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JUNE 2017

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



Mississippi

Economic Impacts of Natural Gas

There were 35,400 jobs in Mississippi related to natural gas. These jobs represented 3.2 percent of total state jobs. The top three sectors with the greatest number of jobs were oil and gas pipeline construction, support activities for oil and gas operations, and chemical manufacturing. The contribution to the Mississippi economy in terms of direct, indirect, and induced value added in 2015 was \$5.50 billion, of which \$2.97 billion was related to the end use segment, \$1.85 billion was from the infrastructure segment, and \$0.68 billion was from the production segment.

Natural Gas Consumers

In 2015, Mississippi consumed 496 Bcf of natural gas. There were a total of 490 thousand customers. The value of natural gas delivered to consumers was \$1.78 billion.

Mississippi has 439,000 residential customers who consumed 23 Bcf in 2015. Average consumption was 53 Mcf per household. Residential demand was 65 percent for space heating, 29 percent for water heating, 3 percent for cooking, and 3 percent for other uses.

Mississippi has 49,800 commercial customers who consumed 20 Bcf in 2015. Average consumption per commercial customer was 395 Mcf. Commercial demand was 50 percent for space heating, 29 percent for water heating, 10 percent for cooking, and 11 percent for other uses.

There are 930 industrial customers in Mississippi who consumed 122 Bcf in 2015. Average consumption per customer was 131 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Petroleum and Coal Products (324), Food (311), Primary Metals (331), and Transportation Equipment (336), representing 86 percent of industrial demand.

Mississippi has 37 power plants consuming natural gas. Gas consumed was 331 Bcf, representing 70 percent of power generation in the state. Average consumption per customer was 8,959 MMcf.

Natural Gas Infrastructure

In 2015, Mississippi had 2,300 producing oil wells and 1,560 producing gas wells. There were 1,630 miles of gas gathering lines and 4 gas processing plants in the state with a capacity of 1,873 MMcf/d. In addition, there were 10,400 miles of gas pipelines, 1,470 miles of crude oil pipelines, 275 miles of NGL pipelines, 1,540 miles of product pipelines, and 524 miles of CO2 pipelines. There were 16,800 miles of gas distribution mains and 11,200 miles of service lines. There were 12 natural gas storage sites in the state with a working gas capacity of 204 Bcf.

Natural Gas and Oil Production

In 2015, Mississippi produced 58 Bcf of dry natural gas, 9.2 million barrels of plant liquids, 2.0 million barrels of lease condensate, and 78.2 million barrels of crude.

Exhibit 7-26: Mississippi State Factsheet

Mississippi			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	2,310	2,890	5,200	187	149	336	1,051	254	1,305
		Industrial	2,268	3,998	6,266	149	184	332	565	353	918
		Residential/ Commercial	1,839	1,902	3,741	115	94	210	530	172	702
		Export	237	292	529	17	15	32	19	26	45
		Transportation	4	3	7	0	0	0	1	0	1
	Infrastructure	Processing	925	921	1,846	91	53	144	294	84	378
		Pipelines	3,146	2,349	5,495	228	114	341	620	215	835
		Distribution	2,687	2,245	4,932	158	104	262	409	204	612
		Wholesalers, Marketers, Other	81	65	146	5	3	8	14	6	20
	Production	Natural Gas/ NGLs	4,365	2,899	7,263	347	136	482	423	258	681
	All Segments	Grand Total	17,861	17,562	35,423	1,296	852	2,148	3,925	1,572	5,497

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	237120	Oil & Gas Pipeline Construction	1,156
	2	213112	Support Activities for Oil & Gas Operations	1,108
	3	325	Chemical Manufacturing	813
	4	811310	Industrial Equip. & Machinery Repair & Maint.	799
	5	221112	Gas-fired Electric Power Generation	648
	6	45431NGL	NGL Retail	605
	7	213111	Drilling Oil & Gas Wells	584
	8	221210	Natural Gas Distribution	580
	9	486210	Pipeline Transportation of Natural Gas	493
	10	236210	Industrial Construction	479

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	439,359	23,248	\$225
	Commercial Sector	49,821	19,697	\$152
	Industrial Sector	930	121,866	\$453
	Transportation	9	81	\$1
	Power Sector	37	331,496	\$947
	All Sectors	490,156	496,388	\$1,778

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)
	16,794	11,201	1,628	10,445	1,468	275	1,538	524

Production	Product	Annual Production
	Dry Natural Gas (mmcf)	57,859
	Gas Plant Liquids (barrels)	9,210,000
	Lease Condensate (barrels)	2,000,000
	Crude Oil (barrels)	78,204,300
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$406
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$4,067

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	2,309	61
	Gas Wells	1,560	4
	All Wells	3,869	65

Annual 2015 Data for Mississippi
Natural Gas Value Chain Basis