

PREPARED FOR **AMERICAN PETROLEUM INSTITUTE**

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



Missouri

Economic Impacts of Natural Gas

There were 58,200 jobs in Missouri 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 natural gas distribution, chemical manufacturing, and oil and gas pipeline construction. The contribution to the Missouri economy in terms of direct, indirect, and induced value added in 2015 was \$7.36 billion, of which \$4.14 billion was related to the end use segment, \$2.60 billion was from the infrastructure segment, and \$0.62 billion was from the production segment.

Natural Gas Consumers

In 2015, Missouri consumed 263 Bcf of natural gas. There were a total of 1.51 million customers. The value of natural gas delivered to consumers was \$2.03 billion.

Missouri has 1.37 million residential customers who consumed 96 Bcf in 2015. Average consumption was 70 Mcf per household. Residential demand was 63 percent for space heating, 29 percent for water heating, 3 percent for cooking, and 5 percent for other uses.

Missouri had 141,000 commercial customers who consumed 61 Bcf in 2015. Average consumption per customer was 435 Mcf. Commercial demand was 73 percent for space heating, 14 percent for water heating, 4 percent for cooking, and 9 percent for other uses.

There are 3,200 industrial customers in Missouri who consumed 66 Bcf in 2015. Average consumption per industrial customer was 20 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Food (311), Primary Metals (331), Agriculture (11), and Fabricated Metal Products (332), representing 76 percent of industrial demand.

Missouri has 54 power plants consuming natural gas. In 2015, gas consumed was 40 Bcf, representing 6 percent of power generation in the state. Average consumption per customer was 743 MMcf.

Natural Gas Infrastructure

In 2015, Missouri had 425 producing oil wells and 6 producing gas wells. There were no gas gathering lines and no gas processing plants in the state. There were 4,608 miles of gas pipelines, 1,850 miles of crude oil pipelines, 1,370 miles of NGL pipelines, 1,913 miles of product pipelines, and no CO2 pipelines. There were 27,300 miles of gas distribution mains and 18,800 miles of service lines. There was 1 natural gas storage site in the state with a working gas capacity of 6 Bcf.

Natural Gas and Oil Production

In 2015, Missouri produced 1 MMcf of dry natural gas, no plant liquids, no lease condensate, and 149,000 barrels of crude.

Exhibit 7-27: Missouri State Factsheet

Missouri			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	1,995	3,963	5,958	145	193	338	218	348	567
		Industrial	5,006	9,625	14,631	321	437	757	1,373	849	2,222
		Residential/ Commercial	3,428	4,035	7,463	212	200	413	870	365	1,235
		Export	621	750	1,371	43	37	80	47	67	114
		Transportation	5	4	10	0	0	0	1	0	1
	Infrastructure	Processing	908	1,453	2,361	65	70	134	74	132	206
		Pipelines	2,906	3,597	6,503	207	178	385	382	330	712
		Distribution	6,929	5,543	12,472	506	284	790	1,147	502	1,649
		Wholesalers, Marketers, Other	151	135	287	11	7	18	24	12	36
	Production	Natural Gas/ NGLs	2,654	4,454	7,108	201	217	418	221	397	618
	All Segments	Grand Total	24,602	33,561	58,163	1,711	1,623	3,334	4,356	3,003	7,359

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	2,434
	2	325	Chemical Manufacturing	2,040
	3	237120	Oil & Gas Pipeline Construction	841
	4	45431NGL	NGL Retail	807
	5	811310	Industrial Equip. & Machinery Repair & Maint.	719
	6	333415	Air-Conditioning and Warm Air Heating Equipment	439
	7	236210	Industrial Construction	401
	8	811412	Household Appliance Repair & Maintenance	276
	9	221112	Gas-fired Electric Power Generation	244
	10	331210	Iron & Steel Pipe & Tube Manufacturing	224

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	1,369,204	95,503	\$1,103
	Commercial Sector	141,216	61,388	\$518
	Industrial Sector	3,232	65,691	\$270
	Transportation	23	122	\$1
	Power Sector	54	40,109	\$133
	All Sectors	1,513,729	262,812	\$2,026

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)
	27,348	18,789	0	4,608	1,847	1,372	1,913	0

Production	Product	Annual Production
	Dry Natural Gas (mmcf)	1
	Gas Plant Liquids (barrels)	0
	Lease Condensate (barrels)	0
	Crude Oil (barrels)	149,000
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$0
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$7

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	425	0
	Gas Wells	6	0
	All Wells	431	0

Annual 2015 Data for Missouri
Natural Gas Value Chain Basis