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



## South Dakota

### Economic Impacts of Natural Gas

There were 6,500 jobs in South Dakota related to natural gas. These jobs represented 1.6 percent of total state jobs. The top three sectors with the greatest number of jobs were industrial equipment and machinery repair and maintenance, natural gas distribution, and NGL retail. The contribution to the South Dakota economy in terms of direct, indirect, and induced value added in 2015 was \$726 million, of which \$363 million was related to the end use segment, \$278 million was from the infrastructure segment, and \$87 million was from the production segment.

### Natural Gas Consumers

In 2015, South Dakota consumed 73 Bcf of natural gas in all sectors. There were a total of 207,000 customers. The value of natural gas delivered to consumers was \$348 million.

South Dakota has 183,000 residential customers who consumed 12 Bcf in 2015. Average consumption was 64 Mcf per household. Residential demand was 70 percent for space heating, 23 percent for water heating, 3 percent for cooking, and 4 percent for other uses.

South Dakota has 24,000 commercial customers who consumed 10 Bcf in 2015. Average consumption per commercial customer was 434 Mcf. Commercial demand was 74 percent for space heating, 14 percent for water heating, 4 percent for cooking, and 8 percent for other uses.

There are 578 industrial customers in South Dakota who consumed 44 Bcf in 2015. Average consumption per customer was 76 MMcf. The top industries for gas consumption were Food (NAICS Code 331), Chemicals (325), Machinery (333), Fabricated Metal Products (332), and Agriculture (11), representing 75 percent of industrial demand.

South Dakota has 8 power plants consuming natural gas. In 2015, gas consumed was 69 Bcf, representing 8 percent of power generation in the state. Average consumption per customer was 885 MMcf.

### Natural Gas Infrastructure

In 2015, South Dakota had 165 producing oil wells and 124 producing gas wells. There were 183 miles of gas gathering lines and no gas processing plants in the state. In addition, there were 1,560 miles of gas pipelines, 220 miles of crude oil pipelines, no NGL pipelines, 523 miles of product pipelines, and no CO2 pipelines. There were 5,645 miles of gas distribution mains and 3,635 miles of service lines. There are no natural gas storage sites in the state.

### Natural Gas and Oil Production

In 2015, South Dakota produced 15 Bcf of dry natural gas, no plant liquids, no lease condensate, and 1.7 million barrels of crude.

## Exhibit 7-43: South Dakota State Factsheet

South Dakota		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		305	572	877	23	28	51	35	50
Industrial			355	966	1,320	24	47	71	49	85	135
Residential/ Commercial			357	481	839	22	24	46	85	43	129
Export			64	95	159	5	5	9	5	8	14
Transportation			0	0	0	0	0	0	0	0	0
Infrastructure	Processing		106	195	301	7	9	16	7	18	25
	Pipelines		326	461	787	24	23	47	44	42	86
	Distribution		664	638	1,302	43	31	73	105	58	163
	Wholesalers, Marketers, Other		15	16	31	1	1	2	2	1	4
Production	Natural Gas/ NGLs		327	600	927	27	30	57	33	53	87
All Segments	Grand Total		2,519	4,025	6,544	174	197	371	366	361	726

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	811310	Industrial Equip. & Machinery Repair & Maint.	208
	2	221210	Natural Gas Distribution	181
	3	45431NGL	NGL Retail	118
	4	237120	Oil & Gas Pipeline Construction	110
	5	236210	Industrial Construction	98
	6	221112	Gas-fired Electric Power Generation	45
	7	811412	Household Appliance Repair & Maintenance	34
	8	4841	Freight Truck	29
	9	335221	Household Ovens Manufacturing	28
	10	326122	Plastics Pipe & Fittings manufacturing	26

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	182,568	11,751	\$97
	Commercial Sector	24,040	10,434	\$66
	Industrial Sector	578	44,094	\$163
	Transportation	1	0	\$0
	Power Sector	8	7,083	\$22
	All Sectors	207,195	73,362	\$348

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)
	5,645	3,635	183	1,556	220	0	523	0

Production	Product	Annual Production
	Dry Natural Gas (mmcf)	14,511
	Gas Plant Liquids (barrels)	0
	Lease Condensate (barrels)	0
	Crude Oil (barrels)	1,666,000
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$34
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$106

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	165	2
	Gas Wells	124	0
	All Wells	289	2

Annual 2015 Data for South Dakota  
Natural Gas Value Chain Basis