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



## Nebraska

### Economic Impacts of Natural Gas

There were 21,100 jobs in Nebraska related to natural gas. These jobs represented 2.2 percent of total state jobs. The top three sectors with the greatest number of jobs were natural gas distribution, freight rail, and chemical manufacturing. The contribution to the Nebraska economy in terms of direct, indirect, and induced value added in 2015 was \$2.43 billion, of which \$1.31 billion was related to the end use segment, \$0.88 billion was from the infrastructure segment, and \$0.25 billion was from the production segment.

### Natural Gas Consumers

In 2015, Nebraska consumed 154 Bcf of natural gas in all sectors. There were a total of 592,000 customers. The value of natural gas delivered to consumers was \$831 million.

Nebraska has 525,000 residential customers who consumed 35 Bcf in 2015. Average consumption was 66 Mcf per household. Residential demand was 60 percent for space heating, 33 percent for water heating, 3 percent for cooking, and 4 percent for other uses.

Nebraska has 58,000 commercial customers who consumed 29 Bcf in 2015. Average consumption per commercial customer was 512 MMcf. 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 8,868 industrial customers in Nebraska who consumed 86 Bcf in 2015. Average consumption per industrial customer was 10 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Food (311), Agriculture (11), Fabricated Metal Products (332), and Plastics and Rubber Products (326), representing 96 percent of industrial demand.

Nebraska has 50 power plants consuming natural gas. Gas consumed was 4.6 Bcf, representing 1 percent of power generation in the state. Average consumption per customer was 93 MMcf.

### Natural Gas Infrastructure

In 2015, Nebraska had 1,824 producing oil wells and 140 producing gas wells. There were 501 miles of gas gathering lines and no gas processing plants in the state. In addition, there were 5,813 miles of gas pipelines, 756 miles of crude oil pipelines, 680 miles of NGL pipelines, 1,489 miles of product pipelines, and no CO2 pipelines. There were 12,780 miles of gas distribution mains and 7,290 miles of service lines. There was 1 natural gas storage site in the state with a working gas capacity of 13 Bcf.

### Natural Gas and Oil Production

In 2015, Nebraska produced 0.5 Bcf of dry natural gas, no plant liquids, no lease condensate, and 3 million barrels of crude.

## Exhibit 7-29: Nebraska State Factsheet

Nebraska			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	589	1,346	1,935	43	66	109	53	118	171
		Industrial	2,262	3,948	6,211	157	186	343	418	348	767
		Residential/ Commercial	956	1,299	2,255	64	67	131	212	117	329
		Export	201	269	471	14	14	28	16	24	40
		Transportation	2	2	4	0	0	0	0	0	0
	Infrastructure	Processing	284	517	800	19	24	43	21	47	68
		Pipelines	988	1,300	2,288	70	65	135	140	119	259
		Distribution	2,209	1,876	4,085	197	104	301	370	170	540
		Wholesalers, Marketers, Other	49	47	96	4	3	7	8	4	12
	Production	Natural Gas/ NGLs	1,190	1,736	2,926	85	83	168	93	155	248
All Segments			Grand Total	8,731	12,339	21,071	654	611	1,265	1,331	2,434

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	769
	2	4821	Freight Rail	516
	3	325	Chemical Manufacturing	484
	4	811310	Industrial Equip. & Machinery Repair & Maint.	411
	5	237120	Oil & Gas Pipeline Construction	311
	6	236210	Industrial Construction	184
	7	45431NGL	NGL Retail	147
	8	4841	Freight Truck	124
	9	811412	Household Appliance Repair & Maintenance	100
	10	326122	Plastics Pipe & Fittings manufacturing	98

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	525,165	34,663	\$307
	Commercial Sector	57,521	29,464	\$191
	Industrial Sector	8,868	85,604	\$315
	Transportation	13	55	\$0
	Power Sector	50	4,634	\$17
	All Sectors	591,617	154,420	\$831

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)
	12,777	7,292	501	5,813	756	680	1,489	0

Production	Product	Annual Production
	Dry Natural Gas (mmcf)	477
	Gas Plant Liquids (barrels)	0
	Lease Condensate (barrels)	0
	Crude Oil (barrels)	2,896,000
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$1
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$117

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	1,824	67
	Gas Wells	140	0
	All Wells	1,964	67

Annual 2015 Data for Nebraska  
Natural Gas Value Chain Basis