

# **Wyoming**

### **Economic Impacts of Natural Gas**

There were 29,500 jobs in Wyoming related to natural gas. These jobs represented 10.5 percent of total state jobs. The top three sectors with the greatest number of jobs were support activities for oil and gas, crude petroleum and natural gas extraction, and oil and gas pipeline construction. The contribution to the Wyoming economy in terms of direct, indirect, and induced value added in 2015 was \$4.6 billion, of which \$0.26 billion was related to the end use segment, \$2.03 billion was from the infrastructure segment, and \$2.33 billion was from the production segment.

#### **Natural Gas Consumers**

In 2015, Wyoming consumed 72 Bcf of natural gas in all sectors. There were a total of 181,000 customers. The value of natural gas delivered to consumers was \$375 million.

Wyoming has 160,000 residential customers who consumed 12 Bcf in 2015. Average consumption was 72 Mcf per household. Residential demand was 68 percent for space heating, 27 percent for water heating, 2 percent for cooking, and 3 percent for other uses.

Wyoming has 21,000 commercial customers who consumed 13 Bcf in 2015. Average consumption per commercial customer was 621 Mcf. Commercial demand was 55 percent for space heating, 17 percent for water heating, 13 percent for cooking, and 15 percent for other uses.

There are 99 industrial customers of natural gas in Wyoming in who consumed 48 Bcf in 2015. Average consumption per industrial customer was 481 MMcf. The top industries for gas consumption were Petroleum and Coal Products (NAICS Code 324), Chemicals (325), Mining (21), Fabricated Metal Products (332), and Food (311), representing 97 percent of industrial demand.

Wyoming has 19 power plants consuming natural gas. In 2015, gas consumed was 0.7 Bcf, representing 2 percent of power generation in the state. Average consumption per customer was 37 MMcf.

#### Natural Gas Infrastructure

In 2015, Wyoming had 9,951 producing oil wells and 25,279 producing gas wells. There were 19,702 miles of gas gathering lines and 35 gas processing plants in the state with a capacity of 7,560 MMcf/d. In addition, there were 6,943 miles of gas pipelines, 4,160 miles of crude oil pipelines, 1,568 miles of NGL pipelines, 1,379 miles of product pipelines, and 658 miles of CO2 pipelines. There were 5,259 miles of gas distribution mains and 1,982 miles of service lines. There were 9 natural gas storage sites in the state with a working gas capacity of 74 Bcf.

#### Natural Gas and Oil Production

In 2015, Wyoming produced 1.75 Tcf of dry natural gas, 36 million barrels of gas plant liquids, 14 million barrels of lease condensate, and 72 million barrels of crude. In recent years, horizontal oil drilling activity has been concentrated in the Powder River basin in southeastern Wyoming, although activity to date has been just a fraction of that in Colorado. In April of 2017, Wyoming had 18 active rigs.



## **Exhibit 7-52: Wyoming State Factsheet**

Wyoming			Employment (# of Workers)		Labor Income (\$ million)			Value Added (\$ million)			
	Segment	Category	Direct & Indirect	Induced	Total	Direct & Indirect	Induced	Total	Direct & Indirect	Induced	Total
	End-Use	Power Generation	92	290	381	7	14	21	21	25	47
		Industrial	300	699	999	20	35	55	42	62	104
		Residential/ Commercial	262	341	604	17	18	35	73	31	103
2		Export	32	61	92	2	3	5	2	5	8
Summary		Transportation	1	1	2	0	0	0	0	0	0
ш	Infrastructure	Processing	1,463	853	2,316	108	40	148	473	78	551
S		Pipelines	4,161	2,230	6,392	312	110	422	1,002	205	1,206
		Distribution	1,342	859	2,201	86	40	127	176	78	254
		Wholesalers, Marketers, Other	69	40	109	5	2	7	14	4	18
	Production	Natural Gas/ NGLs	11,921	4,469	16,390	1,202	244	1,445	1,932	398	2,331
	All Segments	Grand Total	19,643	9,843	29,486	1,761	506	2,266	3,736	886	4,622

	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	213112	Support Activities for Oil & Gas Operations	3,872
es	2	211111	Crude Petroleum & Natural Gas Extraction	3,560
Istri	3	237120	Oil & Gas Pipeline Construction	2,163
Industries	4	213111	Drilling Oil & Gas Wells	785
do	5	486210	Pipeline Transportation of Natural Gas	608
Jobs by T	6	811310	Industrial Equip. & Machinery Repair & Maint.	323
	7	211112	Natural Gas Liquid Extraction	318
۲	8	221210	Natural Gas Distribution	222
	9	4841	Freight Truck	129
	10	45431NGL	NGL Retail	127

	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)	
ers	Residential Sector	159,925	11,576	\$107	
Custome	Commercial Sector	20,816	12,937	\$91	
	Industrial Sector	99	47,667	\$174	
	Transportation	14	29	\$0	
	Power Sector	19	706	\$3	
	All Sectors	180,873	72,916	\$375	

Infrastructure	tructu	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)
	Į.	5,259	1,982	19,702	6,943	4,160	1,568	1,379	658

	Product	Annual Production	
	Dry Natural Gas (mmcf)	1,745,165	
on	Gas Plant Liquids (barrels)	35,632,000	
ıcti	Lease Condensate (barrels)	14,000,000	
Production	Crude Oil (barrels)	72,499,000	
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$5,674	
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$8,620	

S	Well Type	Operating Wells	New Wells Drilled	
Wells	Oil Wells	9,951	710	
>	Gas Wells	25,279	59	
	All Wells	35,230	770	

Annual 2015 Data for Wyoming Natural Gas Value Chain Basis

