

# **Minnesota**

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

There were 61,100 jobs in Minnesota 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, industrial equipment and machinery repair and maintenance, and NGL retail. The contribution to the Minnesota economy in terms of direct, indirect, and induced value added in 2015 was \$7.19 billion, of which \$3.64 billion was related to the end use segment, \$2.80 billion was from the infrastructure segment, and \$0.74 billion was from the production segment.

#### **Natural Gas Consumers**

In 2015, Minnesota consumed 422 Bcf of natural gas in all sectors. There were a total of 1.64 million customers. The value of natural gas delivered to consumers was \$2.5 billion.

Minnesota has 1.50 million residential customers who consumed 118 Bcf in 2015. Average consumption per was 79 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.

Minnesota has 139,000 commercial customers who consumed 93 Bcf in 2015. Average consumption per commercial customer was 670 Mcf. Commercial demand was 73 percent for space heating, 13 percent for water heating, 4 percent for cooking, and 10 percent for other uses.

There are 1,900 industrial customers in Minnesota who consumed 157 Bcf in 2015. Average consumption per customer was 84 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Petroleum and Coal Products (324), Food (311), Agriculture (11), and Fabricated Metal Products (332), representing 79 percent of industrial demand.

Minnesota has 75 power plants consuming natural gas. Gas consumed was 54 Bcf, representing 13 percent of power generation in the state. Average consumption per customer was 721 MMcf.

### Natural Gas Infrastructure

Minnesota has no oil and gas wells or production and all natural gas consumed comes from other states.

Minnesota had 5,500 miles of gas pipelines, 2,660 miles of crude oil pipelines, 573 miles of NGL pipelines, 1,722 miles of product pipelines, and no CO2 pipelines. There were 31,900 miles of gas distribution mains and 25,100 miles of service lines. There was 1 natural gas storage site in the state with a working gas capacity of 2 Bcf.



## **Exhibit 7-25: Minnesota State Factsheet**

Minnesota			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	1,863	4,250	6,113	138	209	347	263	374	637
		Industrial	3,134	8,581	11,715	217	416	633	551	758	1,308
		Residential/ Commercial	4,426	5,010	9,436	297	260	557	1,109	453	1,561
		Export	753	893	1,646	53	45	98	59	80	138
		Transportation	3	3	7	0	0	0	1	0	1
	Infrastructure	Processing	1,568	2,192	3,760	107	102	210	267	199	466
S		Pipelines	4,160	4,601	8,761	320	234	555	486	422	908
		Distribution	5,609	5,369	10,978	405	270	675	907	487	1,394
		Wholesalers, Marketers, Other	143	143	286	11	7	18	21	13	34
	Production	Natural Gas/ NGLs	3,130	5,259	8,388	246	258	504	270	469	739
	All Segments	Grand Total	24,789	36,301	61,090	1,795	1,802	3,597	3,933	3,253	7,186

	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	1,412
es	2	237120	Oil & Gas Pipeline Construction	1,350
ıstri	3	811310	Industrial Equip. & Machinery Repair & Maint.	956
Industries	4	45431NGL	NGL Retail	640
Top	5	325	Chemical Manufacturing	520
l y	6	236210	Industrial Construction	399
Jobs	7	4841	Freight Truck	394
کر	8	333414	Heating Boilers & Fireplace Manufacturing	376
	9	811412	Household Appliance Repair & Maintenance	340
	10	335228	Other Major Household Appliance Manufacturing	250

	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
ers	Residential Sector	1,496,790	117,586	\$1,029
mo	Commercial Sector	138,871	93,004	\$672
Customers	Industrial Sector	1,868	157,400	\$599
	Transportation	25	69	\$1
	Power Sector	75	54,054	\$194
	All Sectors	1,637,629	422,112	\$2,496

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)
	31,891	25,133	0	5,466	2,660	573	1,722	0

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

ž	Well Type	Operating Wells	New Wells Drilled	
	Oil Wells	0	0	
	Gas Wells	0	0	
	All Wells	0	0	

Annual 2015 Data for Minnesota Natural Gas Value Chain Basis

