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



Indiana

Economic Impacts of Natural Gas

There were 105,660 jobs in Indiana related to natural gas. These jobs represented 3.6 percent of total state jobs. The top three sectors with the greatest number of jobs were chemical manufacturing, natural gas distribution, and industrial equipment repair and maintenance. The contribution to the Indiana economy in terms of direct, indirect, and induced value added in 2015 was \$12.18 billion, of which \$6.95 billion was related to the end use segment, \$3.74 billion was from the infrastructure segment, and \$1.49 billion was from the production segment.

Natural Gas Consumers

In 2015, Indiana consumed 711 Bcf of natural gas in all sectors. There were a total of 1.87 million customers. The value of natural gas delivered to consumers was \$3.49 billion.

Indiana has 1.70 million residential customers who consumed 133 Bcf in 2015. Average consumption was 78 Mcf per household. Residential demand was 70 percent for space heating, 21 percent for water heating, 4 percent for cooking, and 5 percent for other uses.

Indiana has 160,000 commercial customers who consumed 78 Bcf in 2015. Average consumption per commercial customer was 484 MMcf. Commercial demand was 73 percent for space heating, 12 percent for water heating, 3 percent for cooking, and 12 percent for other uses.

There are 5,100 industrial customers in Indiana who consumed 373 Bcf in 2015. Average consumption per industrial customer was 73 MMcf. The top industries for gas consumption were Primary Metals (NAICS Code 331), Chemicals (325), Food (311), Non-metallic Mineral Products (327), and Transportation Equipment, representing 83 percent of industrial demand.

Indiana has 46 power plants consuming natural gas. In 2015, gas consumed was 127 Bcf, representing 16 percent of power generation in the state. Average consumption per customer was 2,769 MMcf.

Natural Gas Infrastructure

In 2015, Indiana had 4,647 producing oil wells and 899 producing gas wells. There were 5,332 miles of gas pipelines, 532 miles of crude oil pipelines, 931 miles of NGL pipelines, and 2,654 miles of product pipelines. There were 40,598 miles of gas distribution mains and 35,200 miles of service lines. There were 21 natural gas storage sites in the state with a working gas capacity of 34 Bcf.

Natural Gas and Oil Production

In 2015, Indiana produced 7 Bcf of dry natural gas, no plant liquids, no lease condensate, and 2.2 million barrels of crude.

Exhibit 7-16: Indiana State Factsheet

Indiana			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	3,217	7,032	10,249	237	344	582	692	618	1,311
		Industrial	9,254	17,779	27,032	687	873	1,559	2,164	1,570	3,734
		Residential/ Commercial	5,292	6,878	12,170	369	363	733	985	621	1,607
		Export	1,904	1,695	3,599	132	84	216	145	151	296
		Transportation	4	4	9	0	0	0	1	0	1
	Infrastructure	Processing	2,020	2,866	4,887	140	137	277	154	261	415
		Pipelines	6,692	7,418	14,110	489	370	859	758	680	1,438
		Distribution	7,837	8,075	15,913	540	402	942	1,110	732	1,841
		Wholesalers, Marketers, Other	209	221	430	15	11	26	28	20	48
	Production	Natural Gas/ NGLs	7,828	9,433	17,261	585	451	1,037	646	841	1,486
	All Segments	Grand Total	44,259	61,401	105,660	3,194	3,037	6,231	6,681	5,495	12,176

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	325	Chemical Manufacturing	2,649
	2	221210	Natural Gas Distribution	1,521
	3	811310	Industrial Equip. & Machinery Repair & Maint.	1,509
	4	237120	Oil & Gas Pipeline Construction	1,096
	5	331210	Iron & Steel Pipe & Tube Manufacturing	896
	6	331110	Iron and Steel Mills	808
	7	45431NGL	NGL Retail	770
	8	236210	Industrial Construction	702
	9	4841	Freight Truck	409
	10	811412	Household Appliance Repair & Maintenance	385

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	1,704,243	133,045	\$1,183
	Commercial Sector	160,051	77,526	\$566
	Industrial Sector	5,095	372,537	\$1,366
	Transportation	37	92	\$1
	Power Sector	46	127,365	\$375
	All Sectors	1,869,472	710,564	\$3,490

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)
	40,598	35,200	0	5,332	532	931	2,654	0

Production	Product	Annual Production
	Dry Natural Gas (mmcf)	7,250
	Gas Plant Liquids (barrels)	0
	Lease Condensate (barrels)	0
	Crude Oil (barrels)	2,219,000
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$17
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$116

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	4,647	25
	Gas Wells	899	7
	All Wells	5,546	32

Annual 2015 Data for Indiana
Natural Gas Value Chain Basis