

New York

Economic Impacts of Natural Gas

There were 152,300 jobs in New York related to natural gas. These jobs represented 1.7 percent of total state jobs. The top three sectors with the greatest number of jobs were natural gas distribution, turbine and turbine generator manufacturing, and chemical manufacturing. The contribution to the New York economy in terms of direct, indirect, and induced value added in 2015 was \$20.19 billion, of which \$11.50 billion was related to the end use segment, \$6.94 billion was from the infrastructure segment, and \$99 million was from the production segment.

Natural Gas Consumers

In 2015, New York consumed 1.33 Tcf of natural gas in all sectors. There were a total of 4.82 million customers. The value of natural gas delivered to consumers was \$8.82 billion.

New York has 4.44 million residential customers who consumed 452 Bcf in 2015. Average consumption was 102 Mcf per household. Residential demand was 69 percent for space heating, 20 percent for water heating, 5 percent for cooking, and 6 percent for other uses.

New York has 398,000 commercial customers who consumed 311 Bcf in 2015. Average consumption per commercial customer was 783 Mcf. Commercial demand was 53 percent for space heating, 16 percent for water heating, 5 percent for cooking, 2 percent for cogeneration, and 24 percent for other uses.

There are 6,000 industrial customers in New York who consumed 83 Bcf in 2015. Average consumption per customer was 14 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Paper (322), Food (311), Non-metallic Mineral Products (327), and Primary Metals (331), representing 73 percent of industrial demand.

New York has 106 power plants consuming natural gas. Gas consumed was 476 Bcf, representing 41 percent of power generation in the state. Average consumption per customer was 4,487 MMcf.

Natural Gas Infrastructure

New York has 3,900 oil wells and 7,600 gas wells. There were 5,500 miles of gas gathering lines and no gas processing plants in the state. In addition, there were 4,550 miles of gas pipelines, 94 miles of crude oil pipelines, 200 miles of NGL pipelines, 859 miles of product pipelines, and no CO2 pipelines. There were 48,684 miles of gas distribution mains and 37,653 miles of service lines. There were 26 natural gas storage sites in the state with a working gas capacity of 127 Bcf.

Natural Gas and Oil Production

In 2015, New York produced 18 Bcf of dry gas, no gas plant liquids or lease condensate, and 0.28 million barrels of oil.



Exhibit 7-34: New York State Factsheet

New York			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	8,379	14,692	23,072	692	758	1,450	2,369	1,292	3,661
		Industrial	7,704	23,289	30,993	590	1,159	1,749	2,055	2,055	4,110
		Residential/ Commercial	8,481	11,518	19,998	573	598	1,171	2,187	1,041	3,227
2		Export	2,522	2,661	5,183	200	139	339	220	237	457
Summary		Transportation	182	157	340	8	9	13	29	11	40
шn	Infrastructure	Processing	2,426	4,249	6,675	177	211	388	197	387	584
S		Pipelines	6,060	10,282	16,342	503	540	1,043	749	943	1,692
		Distribution	15,603	14,723	30,326	1,402	817	2,223	3,330	1,337	4,667
		Wholesalers, Marketers, Other	336	367	703	30	20	50	66	33	99
	Production	Natural Gas/ NGLs	5,171	13,520	18,692	399	671	1,070	445	1,205	1,650
	All Segments	Grand Total	56,865	95,458	152,324	4,574	4,922	9,496	11,647	8,541	20,187

	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	6,395
es	2	333611	Turbine and Turbine Generator Manufacturing	2,824
Industries	3	325	Chemical Manufacturing	2,190
Ind	4	811310	Industrial Equip. & Machinery Repair & Maint.	1,829
go	5	33241	Power Boiler & Heat Exchanger Manufacturing	1,804
by	6	237120	Oil & Gas Pipeline Construction	1,549
Jobs	7	811412	Household Appliance Repair & Maintenance	1,308
٦	8	45431NGL	NGL Retail	1,088
	9	221112	Gas-fired Electric Power Generation	903
	10	333912	Air & Gas Compressor Manufacturing	738

,	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
mers	Residential Sector	4,439,101	452,148	\$4,770
Custom	Commercial Sector	397,656	311,203	\$2,082
	Industrial Sector	6,030	83,055	\$316
	Transportation	96	4,104	\$31
	Power Sector	106	475,658	\$1,622
	All Sectors	4,842,989	1,326,168	\$8,820

tructure	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)
Infrastr	48,684	37,653	5,495	4,557	94	200	859	0

	Product	Annual Production
	Dry Natural Gas (mmcf)	17,829
on	Gas Plant Liquids (barrels)	0
ıcti	Lease Condensate (barrels)	0
Production	Crude Oil (barrels)	279,000
Pre	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$54
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$67

w	Well Type	Operating Wells	New Wells Drilled	
Wells	Oil Wells	3,922	34	
>	Gas Wells	7,605	3	
	All Wells	11,527	37	

Annual 2015 Data for New York Natural Gas Value Chain Basis

