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



## Connecticut

### Economic Impacts of Natural Gas

There were 33,026 jobs in Connecticut related to natural gas. These jobs represented 2.0 percent of total state jobs. The top three sectors with the greatest number of jobs were natural gas distribution, chemical manufacturing, and industrial equipment and machinery repair and maintenance. The contribution to the Connecticut economy in terms of direct, indirect, and induced value added in 2015 was \$4.35 billion, of which \$2.59 billion was related to the end use segment, \$1.33 billion was from the infrastructure segment, and \$0.44 billion was from the production segment.

### Natural Gas Consumers

In 2015, Connecticut consumed 248 Bcf of natural gas in all sectors. There were a total of 593,000 customers. The value of natural gas delivered to consumers was \$1.73 billion.

Connecticut has 531,000 residential customers who consumed 51 Bcf in 2015. Average consumption was 96 Mcf per household. Residential demand was 69 percent for space heating, 22 percent for water heating, 4 percent for cooking, and 5 percent for other uses.

Connecticut has 57,400 commercial customers who consumed 52 Bcf in 2015. Average consumption per commercial customer was 914 Mcf. Commercial demand was 51 percent for space heating, 7 percent for water heating, 3 percent for cooking, 8 percent for cogeneration, and 31 percent for other uses.

There are 4,000 industrial customers in Connecticut who consumed 26 Bcf. Average consumption per industrial customer was 6.5 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Fabricated Metal Products (336), Transportation Equipment (336), Food (311), and Primary Metals (331), representing 70 percent of industrial demand.

Connecticut has 43 power plants consuming natural gas. In 2015, gas consumed was 119 Bcf, representing 46 percent of power generation in the state. Average consumption per customer was 2,775 MMcf.

### Natural Gas Infrastructure

Connecticut has no oil and gas wells or production and all natural gas consumed comes from other states. In 2015, there were 591 miles of gas pipelines and 93 miles of product pipelines. There were 7,984 miles of gas distribution mains and 5,964 miles of service lines.

## Exhibit 7-8: Connecticut State Factsheet

Connecticut			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	1,423	2,953	4,376	110	147	258	694	260	954
		Industrial	2,022	5,634	7,656	154	279	433	485	497	983
		Residential/ Commercial	1,621	2,448	4,069	110	128	238	346	221	567
		Export	404	550	955	29	28	57	32	49	81
		Transportation	1	1	2	0	0	0	0	0	0
	Infrastructure	Processing	418	919	1,337	30	46	76	33	84	117
		Pipelines	1,367	2,361	3,728	101	120	221	117	217	333
		Distribution	2,729	3,065	5,794	228	166	394	581	278	859
		Wholesalers, Marketers, Other	62	79	141	5	4	9	11	7	18
	Production	Natural Gas/ NGLs	1,668	3,300	4,968	133	163	296	146	294	440
	All Segments	Grand Total	11,714	21,312	33,026	900	1,082	1,982	2,446	1,906	4,352

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	762
	2	325	Chemical Manufacturing	553
	3	811310	Industrial Equip. & Machinery Repair & Maint.	429
	4	45431NGL	NGL Retail	346
	5	237120	Oil & Gas Pipeline Construction	318
	6	221112	Gas-fired Electric Power Generation	275
	7	236210	Industrial Construction	204
	8	811412	Household Appliance Repair & Maintenance	147
	9	333994	Industrial Process Furnace & Oven Manufacturing	131
	10	4841	Freight Truck	76

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	531,380	50,975	\$628
	Commercial Sector	57,403	52,453	\$428
	Industrial Sector	3,945	25,612	\$126
	Transportation	22	21	\$0
	Power Sector	43	119,305	\$549
	All Sectors	592,793	248,366	\$1,731

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)
	7,984	5,964	0	591	0	0	93	0

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

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

Annual 2015 Data for Connecticut  
Natural Gas Value Chain Basis