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



New Hampshire

Economic Impacts of Natural Gas

There were 10,100 jobs in New Hampshire related to natural gas. These jobs represented 1.6 percent of total state jobs. The top three sectors with the greatest number of jobs were NGL retail, natural gas distribution, and industrial equipment and machinery repair and maintenance. The contribution to the New Hampshire economy in terms of direct, indirect, and induced value added in 2015 was \$1.32 billion, of which \$0.73 billion was related to the end use sector, \$0.45 billion was from the infrastructure segment, and \$131 million was from the production segment.

Natural Gas Consumers

In 2015, New Hampshire consumed 69 Bcf of natural gas in all sectors. There were a total of 121,000 customers. The value of natural gas delivered to consumers was \$456 million.

New Hampshire has 103,000 residential customers who consumed 7.8 Bcf in 2015. Average consumption was 76 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.

New Hampshire has 18,000 commercial customers who consumed 10 Bcf in 2015. Average consumption per commercial customer was 529 Mcf. Commercial demand was 54 percent for space heating, 7 percent for water heating, 3 percent for cooking, 3 percent for cogeneration, and 33 percent for other uses.

There are 193 industrial customers in New Hampshire who consumed 8.4 Bcf in 2015. Average consumption per customer was 43 MMcf. The top industries for gas consumption were Paper (NAICS Code 322), Chemicals (325), Fabricated Metal Products (332), Primary Metals (331), and Plastics and Rubber Products (326), representing 62 percent of industrial demand.

New Hampshire has 6 power plants consuming natural gas. Gas consumed was 43 Bcf, representing 30 percent of power generation in the state. Average consumption per customer was 7,112 MMcf.

Natural Gas Infrastructure

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

The state has 248 miles of gas pipelines and 71 miles of crude oil pipelines. There were 1,070 miles of gas distribution mains and 494 miles of service lines. There are no natural gas storage sites in the state.

Exhibit 7-31: New Hampshire State Factsheet

New Hampshire			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	436	884	1,320	34	44	78	195	78	272
		Industrial	546	1,602	2,148	37	77	114	121	141	263
		Residential/ Commercial	494	731	1,225	33	38	71	108	66	174
		Export	112	159	271	8	8	16	9	14	23
		Transportation	4	4	8	0	0	0	1	0	1
	Infrastructure	Processing	125	274	399	9	14	23	10	25	35
		Pipelines	336	662	998	25	34	58	29	61	90
		Distribution	1,064	1,080	2,144	81	59	141	223	98	321
		Wholesalers, Marketers, Other	22	26	48	2	1	3	4	2	7
	Production	Natural Gas/ NGLs	543	989	1,532	39	48	87	43	88	131
	All Segments	Grand Total	3,683	6,412	10,094	268	323	591	743	574	1,317

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	45431NGL	NGL Retail	410
	2	221210	Natural Gas Distribution	185
	3	811310	Industrial Equip. & Machinery Repair & Maint.	116
	4	325	Chemical Manufacturing	112
	5	221112	Gas-fired Electric Power Generation	92
	6	236210	Industrial Construction	64
	7	333994	Industrial Process Furnace & Oven Manufacturing	60
	8	333414	Heating Boilers & Fireplace Manufacturing	46
	9	213112	Support Activities for Oil & Gas Operations	34
	10	4247NGL	NGL Wholesale	33

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	102,567	7,842	\$126
	Commercial Sector	18,185	9,630	\$103
	Industrial Sector	193	8,386	\$36
	Transportation	3	77	\$1
	Power Sector	6	42,673	\$189
	All Sectors	120,954	68,609	\$456

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)
	1,920	1,211	0	248	71	0	0	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 New Hampshire
Natural Gas Value Chain Basis