

Hawaii

Economic Impacts of Natural Gas

There were 4,100 jobs in Hawaii related to natural gas. These jobs represented 0.6 percent of total state jobs. The top three sectors with the greatest number of jobs were natural gas distribution, NGL retail, and oil and gas pipeline construction. The contribution to the Hawaii economy in terms of direct, indirect, and induced value added in 2015 was \$417 million, of which \$191 million was related to the end use segment, \$165 million was from the infrastructure segment, and \$60 million was from the production segment.

Natural Gas Consumers

In 2015, Hawaii consumed 2.9 Bcf of natural gas in all sectors. There were a total of 32,000 customers. The value of natural gas delivered to consumers was \$91 million.

Hawaii has 29,000 residential customers who consumed 0.6 Bcf in 2015. Average consumption was 20 Mcf per household. Residential demand was 67 percent for space heating, 26 percent for water heating, 2 percent for cooking, and 5 percent for other uses.

Hawaii has 2,800 commercial customers who consumed 1.9 Bcf in 2015. Average consumption per commercial customer was 678 Mcf. Commercial demand was 34 percent for space heating, 23 percent for water heating, 8 percent for cooking, and 35 percent for other uses.

There are 25 industrial customers in Hawaii who consumed 0.4 Bcf in 2015. Average consumption per industrial customer was 18 MMcf. The top industries for gas consumption were Food (NAICS Code 311), Agriculture (11), Mining (21), Petroleum and Coal Products (324), and Transportation Equipment (336), representing 78 percent of industrial demand.

Natural Gas Infrastructure

Hawaii has no oil or gas production. In 2015 there were 96 miles of product pipelines, 610 miles of gas distribution mains, and 425 miles of service lines.



Exhibit 7-13: Hawaii State Factsheet

Hawaii		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	28	364	392	2	18	20	2	32	34
		Industrial	115	851	966	7	41	48	19	75	94
		Residential/ Commercial	99	342	441	7	18	25	22	31	53
Summary		Export	23	88	112	2	4	6	2	8	10
		Transportation	0	0	0	0	0	0	0	0	0
	Infrastructure	Processing	44	166	210	3	8	11	3	15	18
		Pipelines	112	393	505	8	20	28	9	36	45
		Distribution	296	508	803	21	26	47	54	46	100
		Wholesalers, Marketers,									
		Other	6	13	19	0	1	1	1	1	2
	Production	Natural Gas/ NGLs	104	577	681	8	29	37	9	51	60
	All Segments	Grand Total	827	3,302	4,129	58	166	224	121	296	417

	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	78
es	2	45431NGL	NGL Retail	68
Industries	3	237120	Oil & Gas Pipeline Construction	45
Indu	4	325	Chemical Manufacturing	25
Тор	5	4841	Freight Truck	24
by J	6	811310	Industrial Equip. & Machinery Repair & Maint.	14
Jobs	7	333414	Heating Boilers & Fireplace Manufacturing	11
کر	8			
	9			
	10			

	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)	
ers	Residential Sector	28,952	572	\$23	
Customers	Commercial Sector	2,815	1,908	\$60	
	Industrial Sector	25	442	\$8	
	Transportation	1	0	\$0	
	Power Sector		0	\$0	
	All Sectors	31,793	2,922	\$91	

truct	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)
Infras	610	425	0	0	0	0	96	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
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$0
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$0

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

Annual 2015 Data for Hawaii Natural Gas Value Chain Basis

