

# **Rhode Island**

### **Economic Impacts of Natural Gas**

There were 7,400 jobs in the state 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 natural gas distribution, industrial equipment and machinery repair and maintenance, and oil and gas pipeline construction. The contribution to the Rhode Island economy in terms of direct, indirect, and induced value added in 2015 was \$1.04 billion, of which \$0.62 billion was related to the end use segment, \$0.35 billion was from the infrastructure segment, and \$80 million was from the production segment.

## **Natural Gas Consumers**

In 2015, Rhode Island consumed 91 Bcf of natural gas in all sectors. There were a total of 261,000 customers. The value of natural gas delivered to consumers was \$615 million.

Rhode Island has 236,000 residential customers who consumed 20 Bcf in 2015. Average consumption was 85 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.

Rhode Island has 24,000 commercial customers who consumed 12 Bcf. Average consumption per commercial customer was 499 Mcf. Commercial demand was 53 percent for space heating, 7 percent for water heating, 3 percent for cooking, 5 percent for cogeneration, and 32 percent for other uses.

There are 260 industrial customers in Rhode Island who consumed 8.6 Bcf in 2015. Average consumption per industrial customer was 33 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Primary Metals (331), Food (311), Textile Mills (313), and Fabricated Metal Products (332), representing 72 percent of industrial demand.

Rhode Island has 8 power plants consuming natural gas. Gas consumed was 50 Bcf, representing 95 percent of power generation in the state. Average consumption per customer was 6,263 MMcf.

#### Natural Gas Infrastructure

Rhode Island had no production or producing wells and all natural gas consumed comes from other states. There were no gas gathering lines and no gas processing plants in the state. The state has 95 miles of gas pipelines, no crude oil or NGL pipelines, 13 miles of product pipelines, and no CO2 pipelines. There were 3,210 miles of gas distribution mains and 2,436 miles of service lines. There are no natural gas storage sites in the state.



## **Exhibit 7-41: Rhode Island State Factsheet**

Rhode Island		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	463	742	1,206	37	37	74	234	65	299
		Industrial	258	967	1,225	16	46	62	44	85	130
		Residential/ Commercial	444	563	1,007	29	29	57	112	51	162
7		Export	64	103	166	5	5	10	5	9	14
ma		Transportation	5	3	8	0	0	0	1	0	1
Summary	Infrastructure	Processing	65	171	236	5	9	13	5	16	21
S		Pipelines	286	473	759	21	24	46	24	43	68
		Distribution	1,023	810	1,833	76	41	118	183	73	257
		Wholesalers, Marketers, Other	21	19	40	2	1	3	3	2	5
	Production	Natural Gas/ NGLs	278	633	911	22	31	53	24	56	80
	All Segments	Grand Total	2,906	4,485	7,391	212	224	436	636	401	1,038

	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221210	Natural Gas Distribution	432
es	2	811310	Industrial Equip. & Machinery Repair & Maint.	141
Industries	3	237120	Oil & Gas Pipeline Construction	120
Indu	4	221112	Gas-fired Electric Power Generation	111
do	5	236210	Industrial Construction	76
by	6	45431NGL	NGL Retail	71
Jobs	7	811412	Household Appliance Repair & Maintenance	58
۲	8	333414	Heating Boilers & Fireplace Manufacturing	46
	9	333994	Industrial Process Furnace & Oven Manufacturing	26
	10	325	Chemical Manufacturing	20

	Sector Culstomer Count :		Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
ers	Residential Sector	236,323	20,042	\$284
Custome	Commercial Sector	24,088	12,016	\$115
	Industrial Sector	260	8,624	\$34
	Transportation	5	98	\$1
	Power Sector	8	50,110	\$181
	All Sectors	260,684	90,891	\$615

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)
Infrasi	3,210	2,436	0	95	0	0	13	0

	Product	Annual Production
	Dry Natural Gas (mmcf)	0
on	Gas Plant Liquids (barrels)	0
Production	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

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 Rhode Island Natural Gas Value Chain Basis

