



## Representing America's Natural Gas Utilities

# Financial and Operational Information Series

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## RESIDENTIAL CUSTOMERS' HEATING DEMAND IN MARCH

### Background

While the typical winter heating season in the United States usually concludes in spring, the need for natural gas to heat homes is still critical for many households in March. With the current energy environment evolving daily because of the COVID-19 pandemic, the need to provide safe and reliable natural gas service to homes is critical and part of our commitment to being there 24/7/365 for customers.

This analysis examines residential natural gas use in March 2018 by region and for the United States. Natural gas consumption in households is driven primarily by space heating based on weather conditions. However, there also exists a "baseload" amount of natural gas demand from hot water consumption, cooking, and other applications.

### Findings

- In the month of March, space heating accounts for 83% of the total natural gas demand per household. On average, the weather-normalized space heating consumption for residential customers in March of 2018 was 7.8 Mcf compared to 56.4 Mcf for the entire year.
- March accounts for 14% of total space heating demand for a household over a typical year.
- The East North Central region (OH, IN, IL, WI, MI) has the highest demand for March space heating, while the Pacific region (CA, OR, WA, HI, AK) has the lowest.
- Baseload demand for March was, on average, 1.6 Mcf. Baseload consumption is derived from the average consumption in July and August. These months typically have no heating degree days reported and account for just water heating, cooking and drying.
- Baseload consumption for March was estimated to be 1.6 Mcf or 19.2 Mcf for the entire year.
- Space heating accounts for 75% of total natural gas demand per household [over what period?]

### Weather Normalized Residential Consumption in the Month of March 2018

	2018 Customer Count	Total Usage Mcf/Home	Space Heating Mcf/Home	Baseload Mcf/Home	Annual Space Heating Avg. Mcf/Home	March Only Share of Total Space Heating
<b>US Average</b>	69,704,122	9.4	7.8	1.6	56.4	14%
<b>New England</b>	2,522,040	12.9	11.1	1.9	70.0	16%
<b>Middle Atlantic</b>	10,140,931	13.5	11.6	1.9	77.2	15%
<b>South Atlantic</b>	7,590,537	8.1	6.8	1.3	50.2	13%
<b>East South Central</b>	3,178,608	6.8	5.8	1.0	49.3	12%
<b>West South Central</b>	7,110,870	8.0	6.7	1.2	38.9	18%
<b>East North Central</b>	14,098,374	13.5	11.8	1.7	79.4	15%
<b>West North Central</b>	5,628,959	10.0	8.7	1.4	65.4	13%
<b>Mountain</b>	6,298,905	6.9	5.5	1.4	46.8	12%
<b>Pacific</b>	13,134,898	5.1	3.3	1.9	28.1	12%

Source: U.S. Energy Information Administration, *Short-Term Energy Outlook*

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US	69,704,122	9.4	7.8	1.6	56.4	14%
AL	778,789	5.3	4.4	0.9	38.3	12%
AK	133,940	17.7	13.4	4.3	104.6	13%
AZ	1,252,498	3.2	2.3	0.9	20.0	12%
AR	554,502	8.8	7.7	1.1	50.2	15%
CA	11,025,789	4.6	2.7	1.9	23.7	12%
CO	1,784,751	8.4	6.8	1.6	60.9	11%
CT	556,724	13.6	11.7	1.9	76.2	15%
DE	176,414	10.6	9.6	1.0	58.8	16%
DC	153,691	10.9	9.2	1.7	66.7	14%
FL	759,925	2.6	1.5	1.0	14.0	11%
GA	1,827,473	8.6	6.5	2.0	50.6	13%
HI	28,890	1.8	0.2	1.6	1.1	17%
ID	402,563	6.7	5.3	1.4	53.4	10%
IL	3,923,751	15.3	13.2	2.0	90.3	15%
IN	1,751,318	11.4	10.0	1.3	68.8	15%
IA	929,583	9.6	8.4	1.2	61.1	14%
KS	870,258	9.3	8.0	1.3	60.9	13%
KY	774,357	8.4	7.4	1.0	57.7	13%
LA	908,283	4.5	3.2	1.3	28.1	11%
ME	34,874	11.8	10.3	1.4	70.6	15%
MD	1,152,670	10.6	9.2	1.4	62.1	15%
MA	1,532,732	12.9	10.9	1.9	69.1	16%
MI	3,294,707	14.8	13.1	1.8	81.5	16%
MN	1,543,581	10.9	9.3	1.6	72.7	13%
MS	463,767	6.3	5.0	1.3	42.0	12%
MO	1,410,150	9.9	8.6	1.3	65.1	13%
MT	278,298	8.4	6.9	1.4	65.1	11%
NE	538,069	10.1	8.7	1.4	60.5	14%
NV	871,236	6.0	4.6	1.5	37.4	12%
NH	107,447	11.1	9.7	1.5	61.4	16%
NJ	2,816,414	12.7	10.9	1.8	69.3	16%
NM	592,775	7.1	5.6	1.5	45.0	13%
NY	4,523,141	14.6	12.4	2.2	84.1	15%
NC	1,279,791	7.5	6.7	0.9	49.2	14%
ND	146,336	11.0	9.6	1.3	71.3	14%
OH	3,353,356	12.4	11.0	1.5	76.6	14%
OK	946,461	8.2	7.0	1.2	55.2	13%
OR	751,904	5.9	4.6	1.3	41.1	11%
PA	2,801,376	12.6	11.2	1.5	74.0	15%
RI	243,891	12.9	11.3	1.6	65.7	17%
SC	669,293	5.2	4.4	0.8	38.8	11%
SD	190,982	8.9	7.7	1.2	59.6	13%
TN	1,161,695	6.8	5.9	0.9	54.0	11%
TX	4,701,624	8.5	7.3	1.2	36.3	20%
UT	950,644	8.6	6.8	1.8	53.7	13%
VT	46,372	12.1	10.3	1.8	68.9	15%
VA	1,235,964	9.5	8.2	1.2	59.1	14%
WA	1,194,375	8.0	6.4	1.6	52.9	12%
WV	335,316	10.8	9.8	1.0	70.0	14%
WI	1,775,242	11.3	9.9	1.4	66.6	15%
WY	166,140	10.6	9.2	1.5	67.0	14%