

Southeastern Ohio Oil and Gas Association
Gas Committee Report
April, 2018

PRICING

Prices April 9, 2018

NYMEX Settle – April -2018	\$2.69
One Year NYMEX strip (May, 2017 – April, 2019)	\$2.81
Summer NYMEX strip for 2018 (April-October)	\$2.73
Winter NYMEX strip – 2018 (Nov., 2018 – Mar. 2019)	\$2.94
TCO Index Posting – April, 2018	\$2.50
DTI Index Posting – April, 2018	\$2.24

GAS STORAGE AS OF THE March 8, 2018 Report

Working gas in underground storage, Lower 48 states

Region	Stocks billion cubic feet (Bcf)				Historical Comparisons			
	03/30/18	03/23/18	net change	implied flow	Year ago (03/30/17)		5-year average (2013-17)	
					Bcf	% change	Bcf	% change
East	229	242	-13	-13	269	-14.9	284	-19.4
Midwest	266	264	-18	-18	480	-44.6	356	-25.3
Mountain	87	88	-1	-1	142	-38.7	122	-28.7
Pacific	166	166	0	0	215	-22.8	220	-24.5
South Central	606 C	603	3	12 C	944	-35.8	718	-15.6
Salt	188	181	7	7	294	-36.1	196	-4.1
Nonsalt	419 C	422	-3	6 C	650	-35.5	521	-19.6
Total	1,354 C	1,383	-29	-20 C	2,051	-34.0	1,701	-20.4

Working gas in underground storage, Lower 48 states

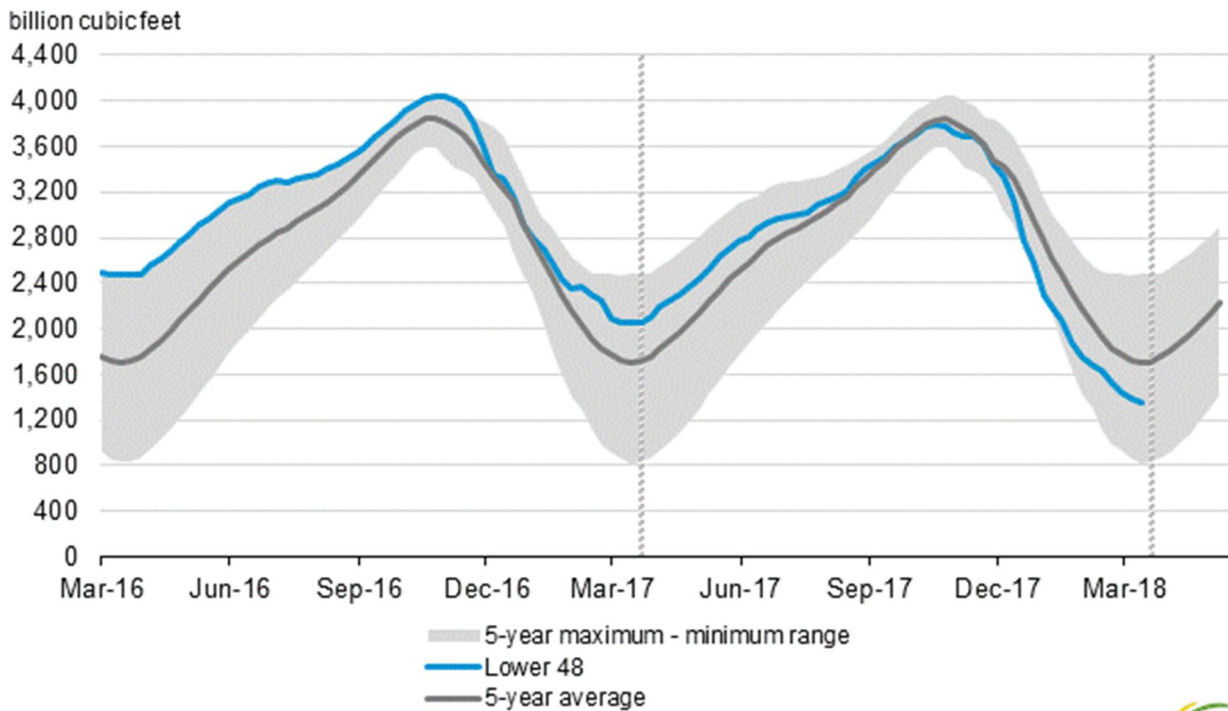
C=Reclassification.

Non-flow-related adjustments decreased working gas stocks by approximately 9 Bcf in the South Central Nonsalt region for the week ending March 30, 2018. The implied flow for the week is a withdrawal of 20 Bcf from working gas stocks in the Lower 48 states. (See Notes and Definitions for more information on "implied flow.")

Summary

Working gas in storage was 1,354 Bcf as of Friday, March 30, 2018, according to EIA estimates. This represents a net decrease of 29 Bcf from the previous week. Stocks were 697 Bcf less than last year at this time and 347 Bcf below the five-year average of 1,701 Bcf. At 1,354 Bcf, total working gas is within the five-year historical range.

Working gas in underground storage compared with the 5-year maximum and minimum



Source: U.S. Energy Information Administration



Note: The shaded area indicates the range between the historical minimum and maximum values for the weekly series from 2013 through 2017. The dashed vertical lines indicate current and year-ago weekly periods.

Natural Gas

Northeast prices rise. At the Algonquin Citygate, which serves Boston-area consumers, prices went up \$4.46 from a low of \$2.35/MMBtu last Wednesday to \$6.81/MMBtu yesterday after reaching a high of \$7.23/MMBtu on Tuesday. In anticipation of cold weather through the weekend, on Wednesday, April 4, Algonquin Gas Transmission delayed a scheduled outage at the Stony Point and Oxford Compressor stations expected to start that day. The outages will now begin April 10.

At the Transcontinental Pipeline Zone 6 trading point for New York, prices increased 40¢ from a low of \$2.52/MMBtu last Wednesday to a high of \$2.92/MMBtu yesterday.

Tennessee Zone 4 Marcellus spot prices increased 37¢ from a low of \$2.06/MMBtu last Wednesday to a high of \$2.43/MMBtu yesterday. Prices at Dominion South in northwest Pennsylvania rose 48¢ from a low of \$2.09/MMBtu last Wednesday to a high of \$2.57/MMBtu yesterday.

Nymex prices show limited movement. At the Nymex, the price of the May 2018 contract increased 2¢, from \$2.698/MMBtu last Wednesday to \$2.718/MMBtu yesterday. The price of the 12-month strip averaging May 2018 through April 2019 futures contracts climbed 2¢ to \$2.876/MMBtu.

Supply remains flat. According to data from PointLogic Energy, the average total supply of natural gas remained the same as in the previous report week, averaging 85.8 Bcf/d. Dry natural gas production increased by an average of 0.4 Bcf/d week over week. Average net imports from Canada decreased by 5% from last week.

Demand falls. Total U.S. consumption of natural gas fell by 6% compared with the previous report week, according to data from PointLogic Energy. Natural gas consumed for power generation declined by 2% week over week. Industrial sector consumption decreased by 1% week over week. In the residential and commercial sectors, consumption declined by 13%, as weather was warmer than normal in California and across the south and close to normal on the eastern seaboard. Natural gas exports to Mexico decreased 9% because of maintenance on the Los Ramones pipeline in Mexico. Mexico has pushed the in-service date for the El Encino-La Laguna pipeline back to October 2018, according to Genscape, which may affect export growth from the Permian basin.

U.S. liquefied natural gas (LNG) exports increase week over week. Six vessels (combined LNG-carrying capacity 21.4 Bcf) departed the Sabine Pass liquefaction facility from March 29 to April 4. One vessel (LNG-carrying capacity 3.8 Bcf) was loading at the terminal on Wednesday.

After loading the first commissioning cargo at Dominion Energy Cove Point liquefaction terminal on March 1, the tanker Gemmata returned to the facility on April 3 to load the second commissioning cargo. Two other vessels are currently en route to Cove Point—Patris, controlled by Tokyo Gas and scheduled to arrive on April 9, and LNG Sakura, controlled by Kansai Electric and scheduled to arrive on April 20.

UTICA WELL LPRODUCTION

During the fourth quarter of 2017, Ohio's horizontal shale wells produced 4,193,562 barrels of oil and 503,066,907 Mcf (503 billion cubic feet) of natural gas, according to the figures released by the Ohio Department of Natural Resources (ODNR).

Horizontal shale well operators are required to submit production data by the 45th day following the close of each calendar quarter. Operators submit the amount of oil, natural gas and brine that each well produces, as well as the number of days that the well was in production.

Fourth Quarter – 2017 – Utica Production Volumes:

	2017 QUARTER 3	2017 QUARTER 4	PERCENTAGE CHANGE
Barrels of Oil	4,165,729	4,193,562	1.01%
MCF Nat. Gas	460,558,077	503,066,758	1.09%

The ODNR quarterly report lists 1,897 horizontal shale wells, 1,869 of which reported oil and natural gas production during the quarter. Of the 1,869 reporting oil and natural gas results:

- The average amount of oil produced was 2,367 barrels.
- The average amount of gas produced was 261,681 Mcf.
- The average number of first quarter days in production was 88.

As of February 5, 2018, there have been 2,799 Utica shale permits issues in Ohio, and 2,314 of them have been developed.

There are currently 1,869 Utica shale wells in production, with 23 rigs running.