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Energy Market Report

Report Date: November 1, 2019 Report Week: October 23, 2019 to October 30, 2019 Questions? Ph: 888-351-0981 info@legacyenergy.com www.legacyenergy.com

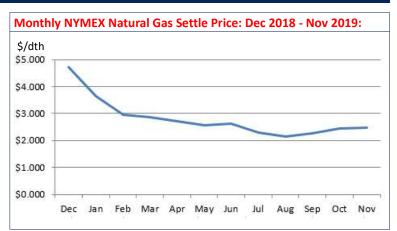
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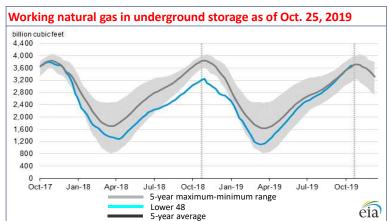
-Natural gas spot prices rose at most locations for the period of Wednesday, October 23 to Wednesday, October 30 (the Report Week). Henry Hub spot prices rose from \$2.28 per million British thermal units (MMBtu) to \$2.67/MMBtu from start to end of the Report Week. -At the New York Mercantile Exchange (Nymex), the November 2019 natural gas futures contract expired Tuesday, October 29th at \$2.597/MMBtu, up 32¢/MMBtu from the previous Wednesday. The December 2019 contract moved into the prompt month spot and increased to \$2.691/MMBtu, up 26¢/MMBtu from the previous Wednesday. The price of the 12-month natural gas strip averaging December 2019 through November 2020 futures contracts climbed 14¢/MMBtu to \$2.498/MMBtu for the term of the Report Week. -Net natural gas injections into storage totaled 89 Bcf for the week ending October 25, compared with the five-year (201418) average net injections of 65 Bcf and last year's net injections of 49 Bcf during the same week. Working gas stocks totaled 3,695 Bcf, which is 52 Bcf (1%) more than the five-year average and 559 Bcf (18%) more than last year at this time. - Total U.S. consumption of natural gas rose by 2% compared with the previous report week, according to data from IHS Markit. Natural gas consumed for power generation declined by 1% week over week. Industrial sector consumption increased by 4% week over week. In the residential and commercial sectors, consumption increased by 6%.

-The natural gas plant liquids composite price at Mont Belvieu, Texas, rose by 2¢/MMBtu, averaging \$5.27/MMBtu for the week ending October 30. The price of isobutane and butane fell by 7% and 1%, respectively. The price of natural gasoline, ethane, and propane rose by 3%, 2%, and 1%, respectively.

Natural gas exports to Mexico increased 1%.

-According to Baker Hughes, for the week ending Tuesday, October 22, the natural gas rig count decreased by 4 to 133. The number of oil-directed rigs fell by 17 to 696. The total rig count decreased by 21, and it now stands at 830.





Forward 12-month NYMEX natural gas strip price - Dec19-Nov20:

Process Load-weighted \$2.498/dth - w/o/w = \$0.140Typical Heat Load-weighted \$2.588/dth - w/o/w = \$0.180

US net natural gas exports in first-half of 2019 doubles year-ago levels for second year:

From January through June of 2019, US net natural gas exports averaged 4.1 billion cubic feet per day (Bcf/d), more than double the average net exports in 2018 (2.0 Bcf/d). The US became a net natural gas exporter (exported more than it imported) on an annual basis in 2017 for the first time in almost 60 years. The US exports natural gas by pipeline to neighboring Canada and Mexico and exports liquefied natural gas (LNG) to several other countries. Much of the recent increase in total exports is a result of more LNG facilities coming online. Total US exports of LNG through the first half of 2019 were 37% higher compared with the same period in 2018. Total US LNG export capacity as of June 2019 was 5.4 Bcf/d across four facilities and nine liquefaction trains. Four of the liquefaction unitsreferred to as trainscame online in 2019. Although US LNG exports have grown substantially, most US natural gas trade is transported via pipeline across shared borders with Canada and Mexico. In the first half of 2019, net exports of natural gas by pipeline to Mexico grew by 5%, and net exports of natural gas by pipeline to Canada remained relatively flat. In every month from April through August, US natural gas exports by pipeline have exceeded



natural gas imports by pipeline, the longest consecutive stretch of exporting more natural gas by pipeline than importing by pipeline on record. US pipeline export capacity to Canada grew in the last few months of 2018 when the second phase of both the Rover pipeline and the new NEXUS pipeline entered service, transporting natural gas from the Marcellus and Utica plays in the Appalachian Basin to the St. Clair point of exit northeast of Detroit, Michigan. Total US natural gas exports to Canada reached 3.3 Bcf/d in February 2019, the highest level this year as of August 2019. US pipeline exports of natural gas to Mexico grew in 2019 as new projects such as the Texas-Tuxpan pipeline transported natural gas from the US Permian Basin to demand centers in Mexico. US natural gas exports by pipeline to Mexico reached all-time highs of 5.2 Bcf/d in June 2019 and 5.3 Bcf/d in July 2019.

"It is paradoxical, yet true, to say, that the more we know, the more ignorant we become in the absolute sense, for it is only through enlightenment that we become conscious of our limitations." -Nicloa Tesla¹

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