

NATURAL GAS



JANUARY 18, 2019

Prior Day's NYMEX Feb-19 Contract (CT)



NYMEX NG Futures

Month	Close	Change
Feb-19	3.099	0.119
Mar-19	2.998	0.076
Apr-19	2.844	0.054
May-19	2.838	0.053
Jun-19	2.885	0.052
Jul-19	2.932	0.049
Aug-19	2.932	0.046
Sep-19	2.903	0.043
Oct-19	2.925	0.042
Nov-19	2.972	0.040
Dec-19	3.122	0.041
Jan-20	3.214	0.042
Feb-20	3.143	0.040
Mar-20	2.963	0.030
Apr-20	2.618	0.016
May-20	2.568	0.014
Jun-20	2.591	0.013
Jul-20	2.618	
Aug-20	2.619	0.009
Sep-20	2.606	0.007
Oct-20	2.631	0.006
Nov-20	2.681	0.004
Dec-20	2.851	0.002
Jan-21	2.966	0.001
1YR Strip	2.972	0.055
2018 #DIV/O!	#DIV/O!	#DIV/O!
5YR Strip	2.733	0.006

IN THE NEWS

Permian Basin oil producers flaring more natural gas than reported — Texas Tribune: Companies drilling for fossil fuels in West Texas' Permian Basin are flaring off significantly more gas than they say they are, according to a new analysis by the Environmental Defense Fund. Scientists at the environmental advocacy group used satellite

- Permian Basin oil producers flaring more natural gas than reported
- Ameren: Practice safe natural gas usage during peak heating

data from the National Oceanic and Atmospheric Administration to determine how much gas operators burned in 2017 in the oil-rich Permian and compared that with the amount of flared gas they reported to the Texas Railroad Commission, the state's oil and gas regulatory agency. They discovered a big gap. The satellite data showed Permian operators burned 104 billion cubic feet of natural gas in 2017 — about 4.4 percent of all gas produced in the region — For more on this story visit texastribune.org or click <https://bit.ly/2AXRgnt>

Ameren: Practice safe natural gas usage during peak heating season — Pantagraph reports: Ameren Illinois is urging residents and businesses to practice safe natural gas usage this winter because the season is when customers are the most reliant on natural gas. "Most people have gas furnaces and they don't warm them in the summer," said Gina Meehan-Taylor, public awareness supervisor for Ameren. "... In the wintertime, we use a lot of natural gas." Throughout Ameren's 43,700-square-mile coverage area, the company said, natural gas is delivered to thousands of customers through 18,300 miles of steel pipes. Meehan-Taylor said Ameren is always working to upgrade its gas transmission system in ways like replacing aging pipes and switching some steel materials to longer-lasting plastic. However, she said, gas leaks can still happen due to a variety of reasons. "Anything that's screwed together with fitting pipe sealant, over time that starts to get old and crumbled," Meehan-Taylor said. Other common causes of a gas leak include failing stove connectors or natural gas pipelines being damaged during excavating projects. For more on this story visit pantagraph.com or click <https://bit.ly/2G1l6ee>

12 MONTH CANDLESTICK (WEEKLY)



Prompt Natural Gas (NG) Daily Sentiment

BEARISH



RESISTANCE

3.17 & 3.25

SUPPORT

3.01 & 2.91

Trading Summary

NATURAL GAS

Futures	Close	Change
NG	3.099	0.119
Volume	396,567	(351,267)
Open Int.	1,322,321	(11,620)

CRUDE AND GASOLINE

Futures	Close	Change
Crude	53.13	0.51
RBOB	1.3876	0.0019
Crude/NG	17.72	(0.29)

METALS

Futures	Close	Change
Gold	1,279.10	

EQUITIES

Exchange	Close	Change
DOW	24,553.24	(22.38)
S&P 500	-620.48	3.63

CURRENCY

Currency	Close	Change
EUR/USD	1.1359	0.0055
USD/CND	1.2405	(0.0075)

Contact Us



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Gainesville, GA 30501

www.mansfield.energy

info@mansfieldoil.com

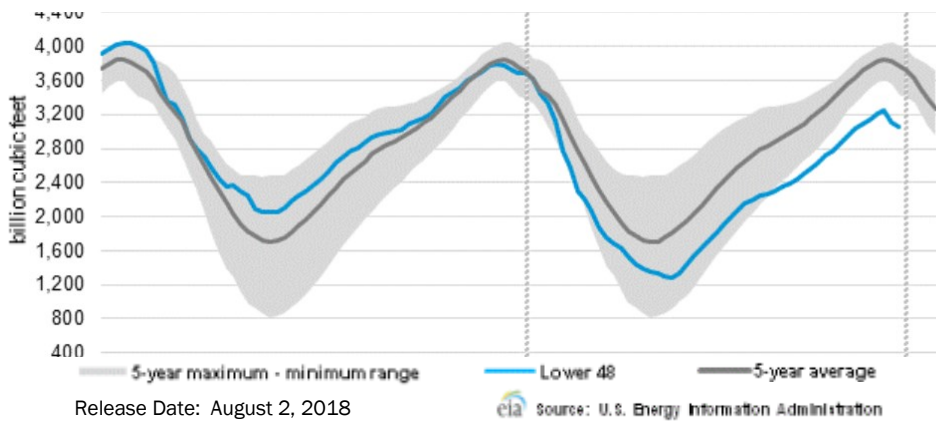
Phone: (800) 695-6626





NATURAL GAS NEWS

WEEKLY GAS IN UNDERGROUND STORAGE WITH 5-YR RANGE



Rig Count

Report Date: January 18, 2019

	Total	Change
US -	1,050	(25)
CN -	209	25

EIA Weekly NG Storage Actual and Surveys for January 25, 2019

Released January 24, 2019
 Range – +163 to +211
 PIRA – (166)
 PointLogic – (150)
 Citi Futures – (151)

EIA ACTUAL – (163)

Total Working Gas In Storage

2,533 BCF

(163) BCF (LAST WEEK)
 (33) BCF (LAST YEAR)
 (305) BCF (5-YR AVG)

U.S. Natural Gas Supply Gas Week 1/17 – 1/23

Average daily values (BCF/d):
Last Year (BCF/d)
 Dry Production – +86.0
 Total Supply – +83.6
Last Week (BCF/d)
 Dry Production – +88.3
 Total Supply – +94.8

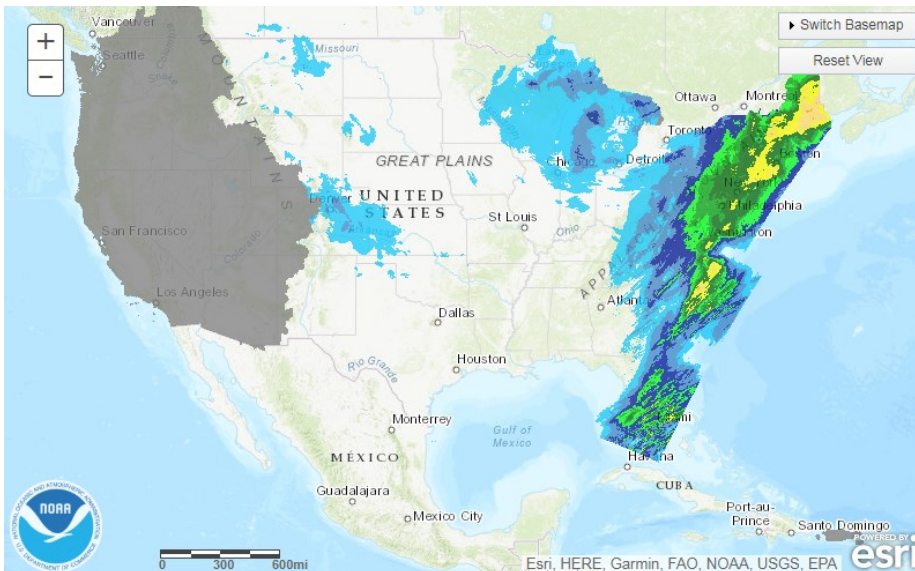
[NEXT REPORT ON Feb 1]

U.S. Natural Gas Demand Gas Week 1/17 – 1/23

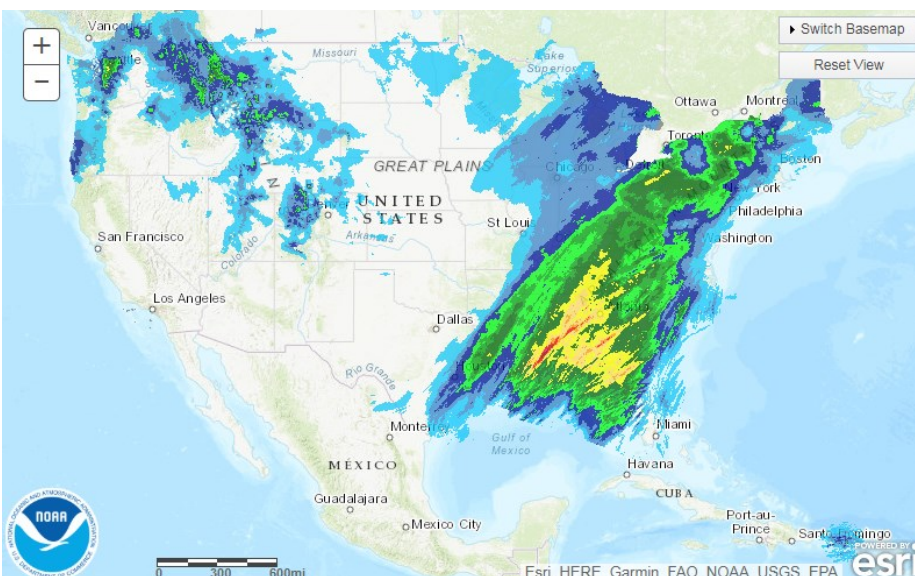
Average daily values (BCF/d):
Last Year (BCF/d)
 Power – +26.1
 Total Demand – +108.5
Last Week (BCF/d)
 Power – +25.3
 Total Demand – +114.3

[NEXT REPORT ON Feb 1]

TODAY'S PRECIPITATION



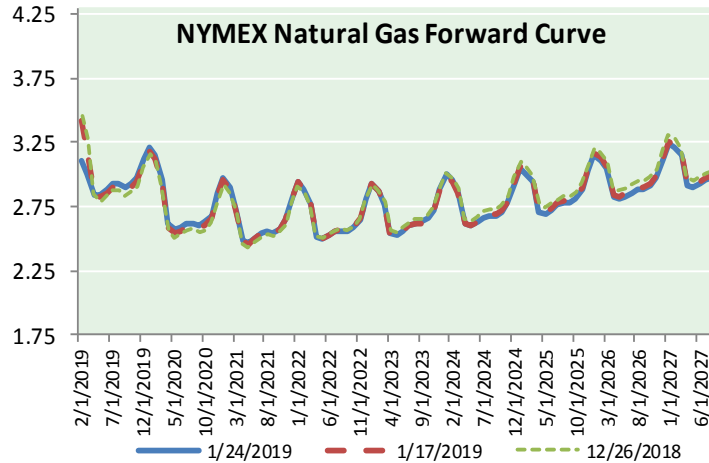
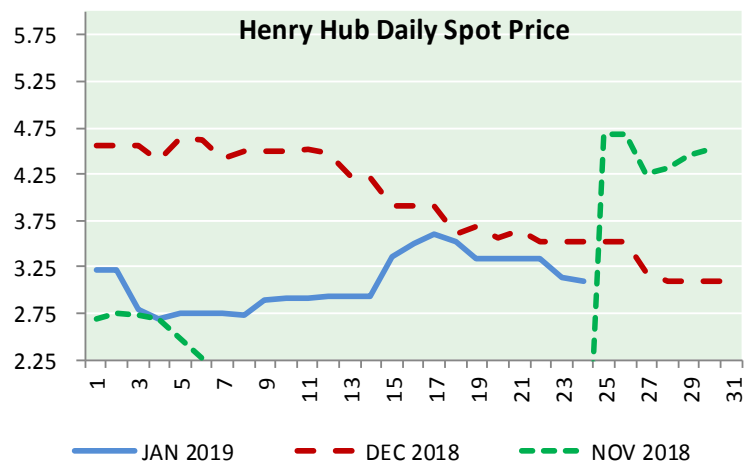
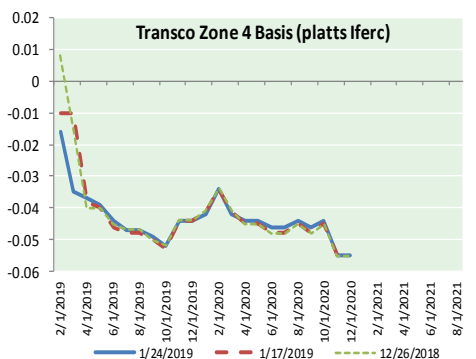
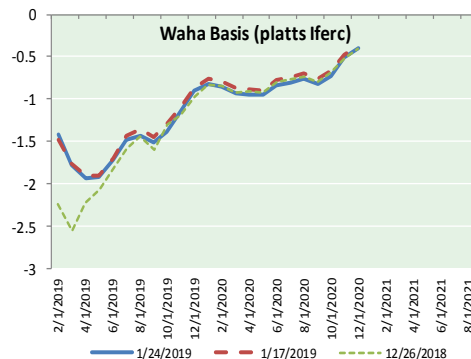
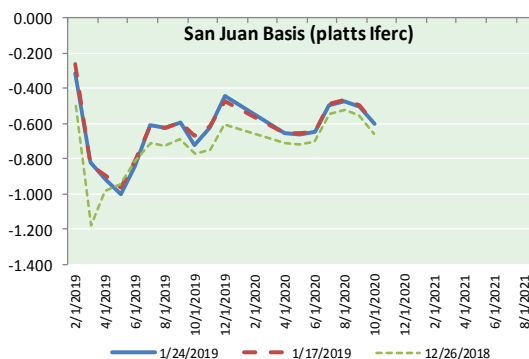
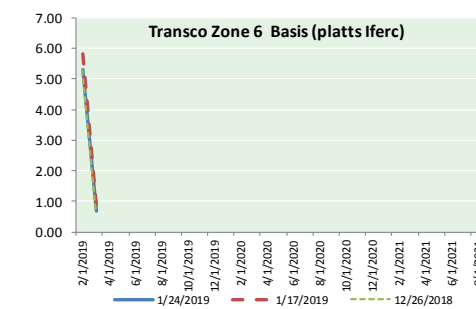
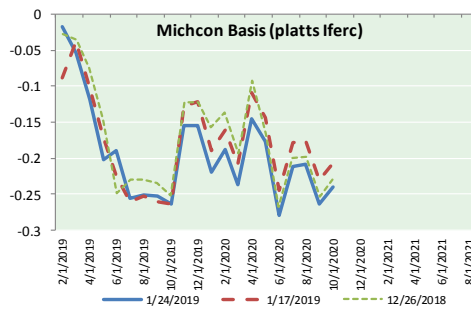
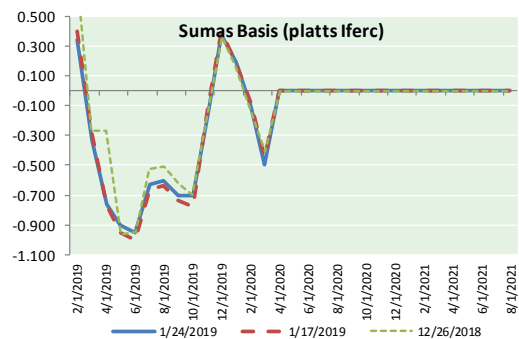
24 HOUR PRECIPITATION



NATURAL GAS NEWS



NATURAL GAS BASIS FUTURES, HENRY HUB SPOT PRICES, AND FORWARD CURVE



NYMEX WTI Delivery Month Average (\$/bbl) (Excluding Weekends and Holidays)

Month: January 2019

Day	Price	Day	Price
1	16	52.31	
2	46.54	17	52.07
3	47.09	18	53.80
4	47.96	19	
5		20	
6		21	
7	48.52	22	52.57
8	49.78	23	52.62
9	52.36	24	53.13
10	52.59	25	
11	51.59	26	
12		27	
13		28	
14	50.51	29	
15	52.11	30	
		31	

Average (Jan) 50.9719
(through 01/24/2019)

Average (Dec) 49.5400

Average (Nov) 56.6933

CME NG Option Prices

ATM Call

Month	Strike	Close	Imp Vol
Mar-19			
Apr-19	2.950	0.211	58.1
May-19			
Jun-19			
Jul-19			

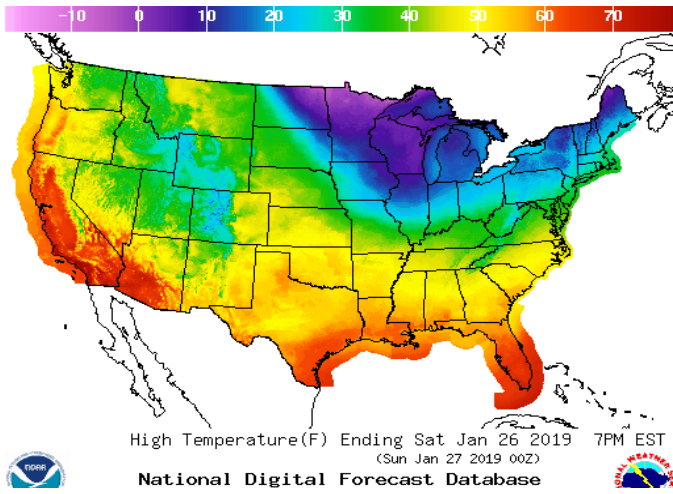
CME NG Option Prices

ATM Put

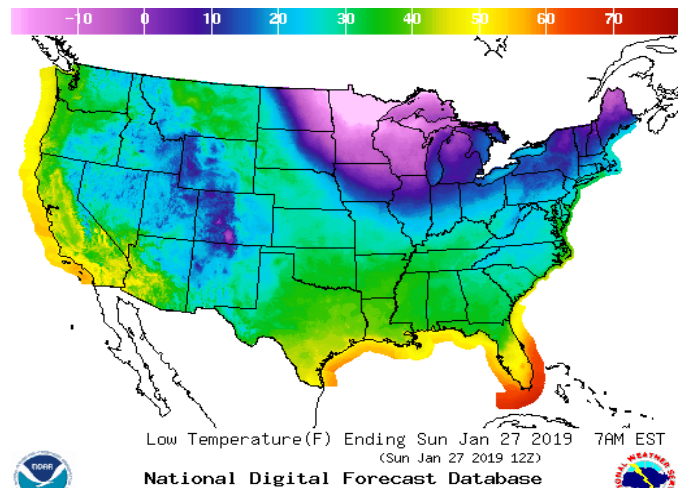
Month	Strike	Close	Imp Vol
Mar-19			
Apr-19	2.950	0.166	50.6
May-19			
Jun-19			
Jul-19			

WEATHER – HIGH / LOW TEMPERATURE SATURDAY

HIGH Temperature

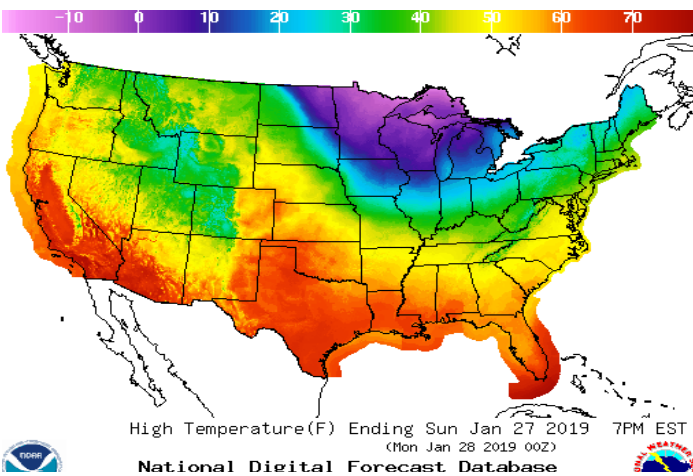


LOW Temperature

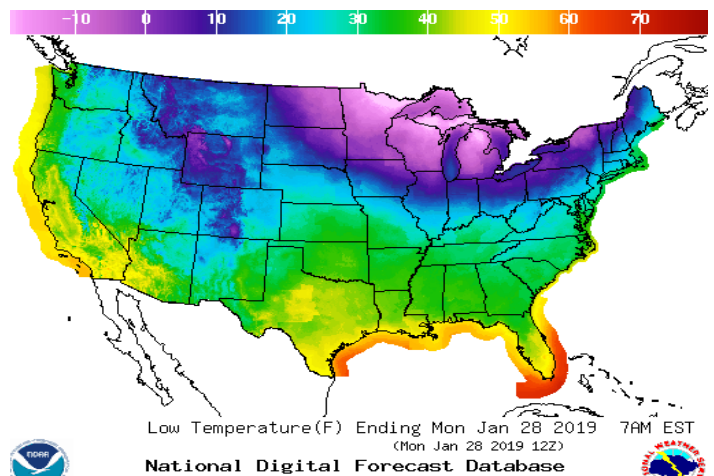


WEATHER – HIGH / LOW TEMPERATURE SUNDAY

Temperature

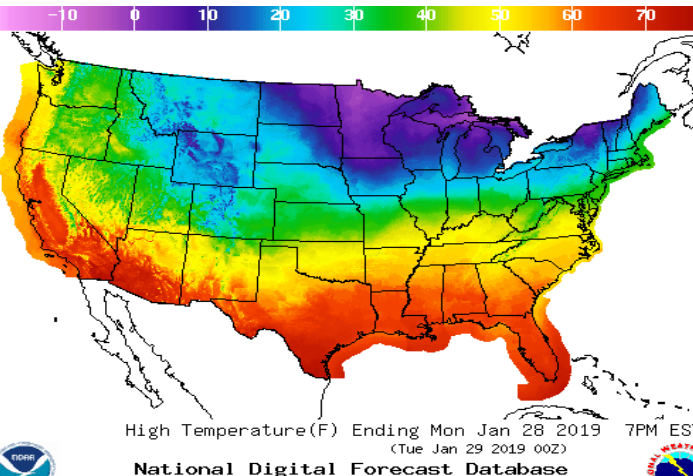


Precipitation

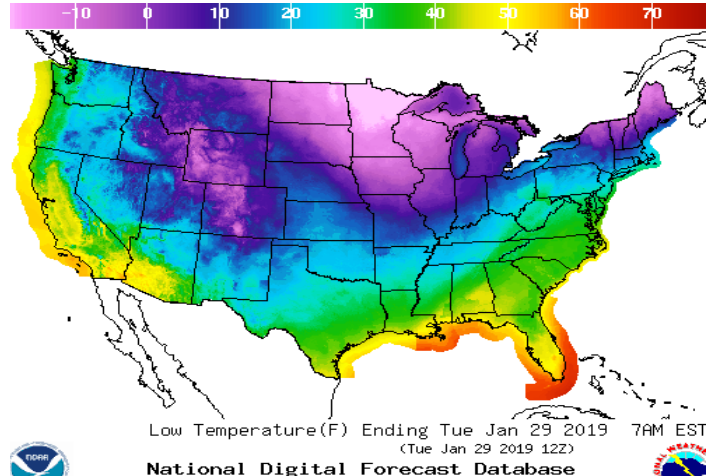


WEATHER – HIGH / LOW TEMPERATURE MONDAY

Temperature

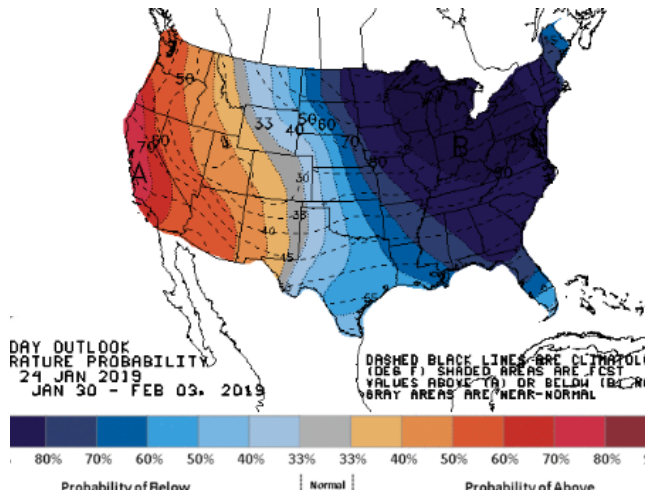


Precipitation

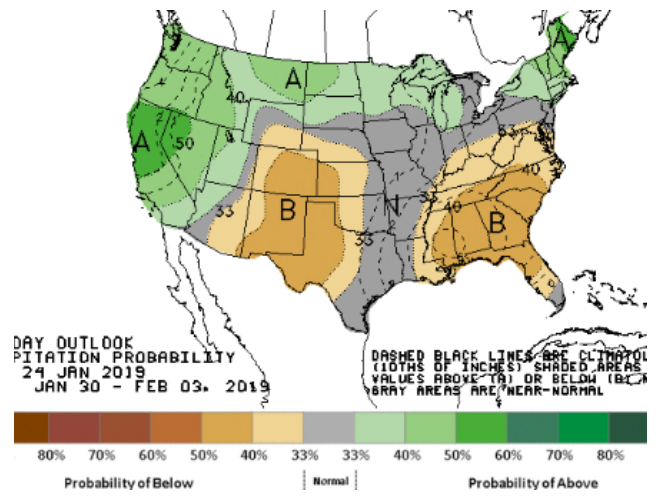


WEATHER – 6 TO 10 DAY OUTLOOK – NOAA

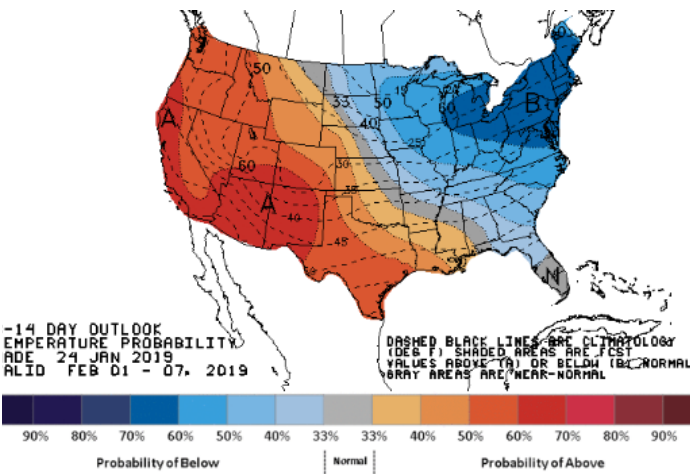
HIGH Temperature



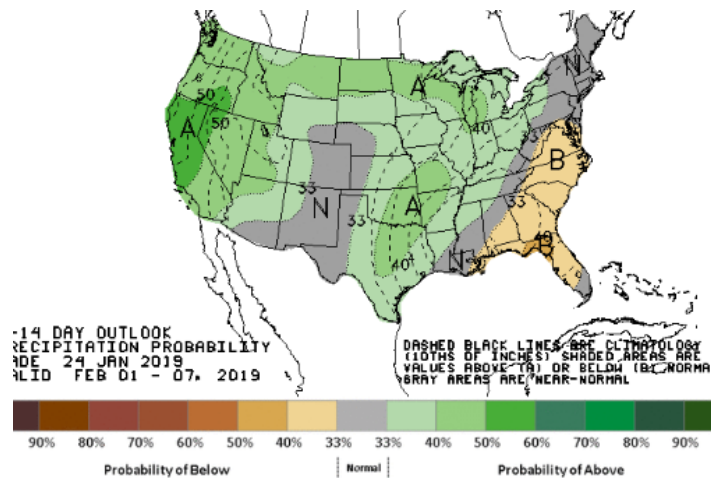
LOW Temperature



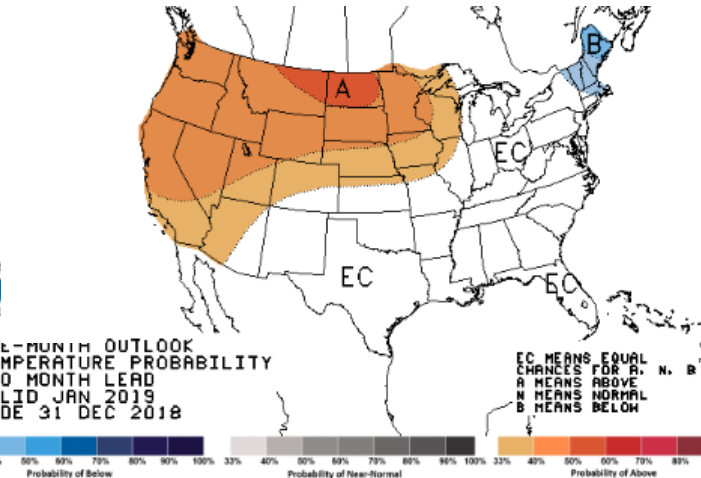
WEATHER – 8 TO 14 DAY OUTLOOK – NOAA
Temperature



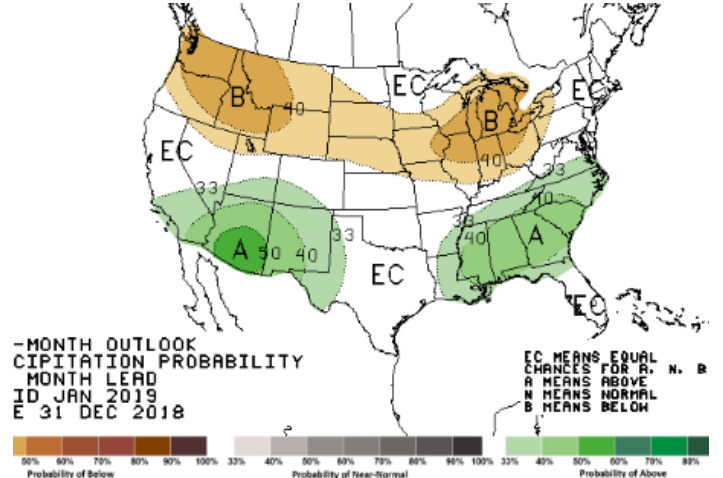
Precipitation



WEATHER – 30 DAY OUTLOOK – NOAA
Temperature



Precipitation

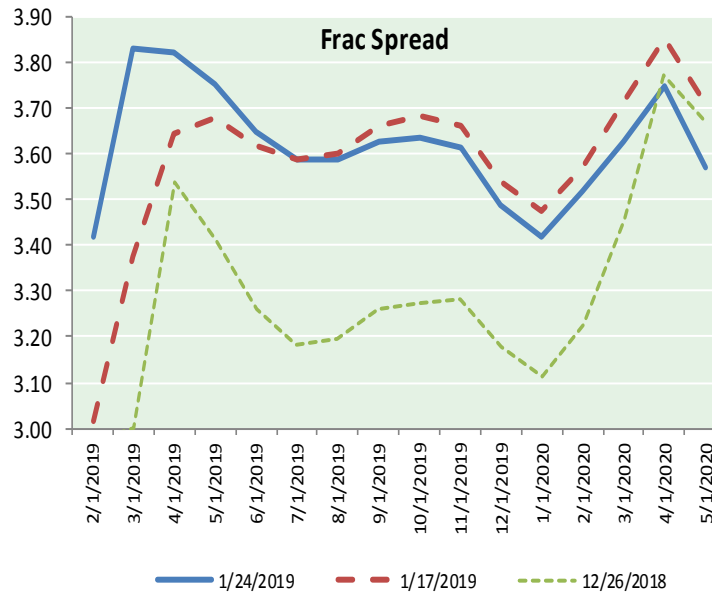
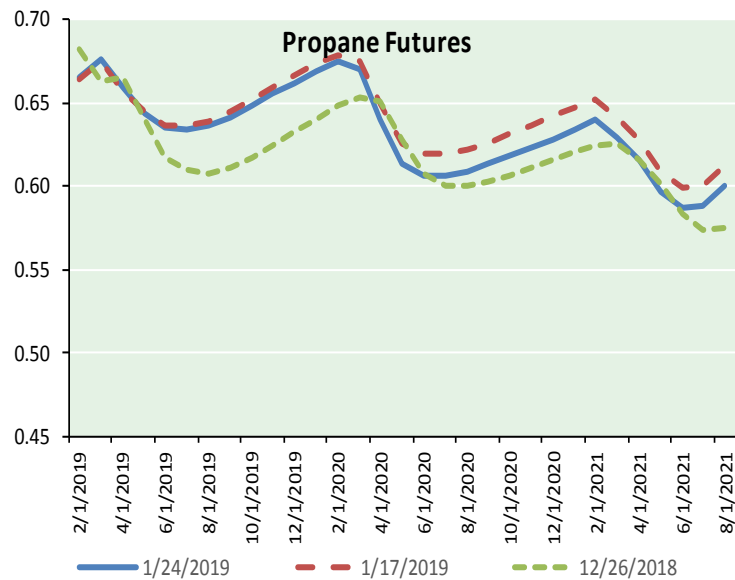
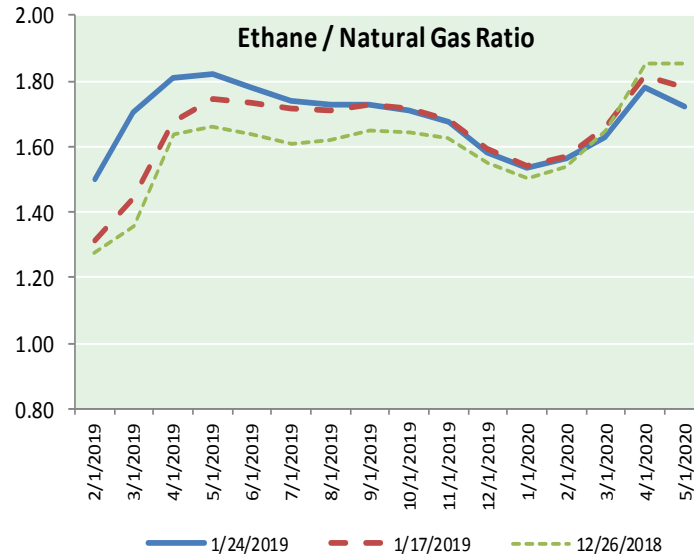
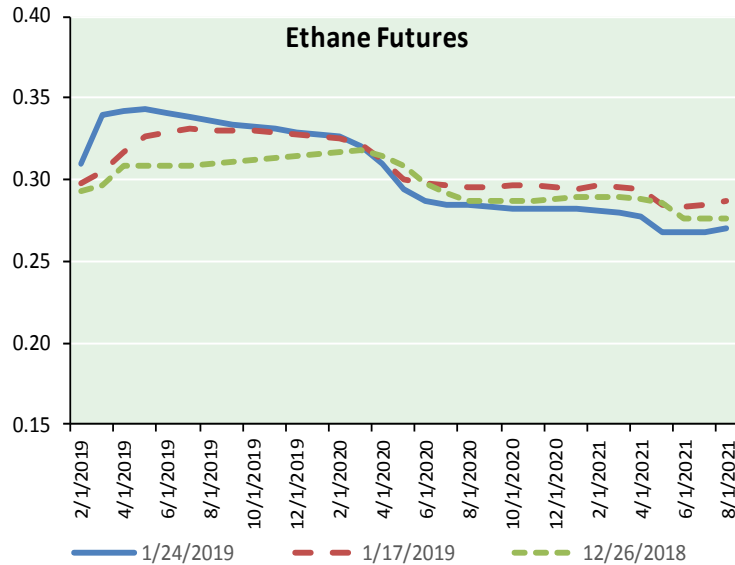


NATURAL GAS NEWS



ETHANE FUTURES, NG/ETHANE RATIO, PROPANE FUTURES, AND THE FRAC SPREAD

CME Future Prices



Month	Close	Change
Feb-19	0.310	0.004
Mar-19	0.340	0.014
Apr-19	0.343	0.012
May-19	0.344	0.010
Jun-19	0.341	0.009
Jul-19	0.339	0.008
Aug-19	0.336	0.009
Sep-19	0.334	0.009
Oct-19	0.333	0.009
Nov-19	0.331	0.009
Dec-19	0.329	0.009
Jan-20	0.328	0.009
1YR Strip	0.334	0.009

**CME Future Prices
Propane (C3)
Non-LDH— Mont Belvieu**

Month	Close	Change
Feb-19	0.665	0.000
Mar-19	0.677	0.001
Apr-19	0.659	0.001
May-19	0.644	0.001
Jun-19	0.636	0.002
Jul-19	0.634	0.002
Aug-19	0.637	0.002
Sep-19	0.642	0.002
Oct-19	0.648	0.002
Nov-19	0.656	0.002
Dec-19	0.663	0.002
Jan-20	0.669	0.002
1YR Strip	0.653	0.002

NATURAL GAS NEWS



Prompt WTI (CL) Crude
Daily Sentiment

BULLISH



RESISTANCE
53.71 & 54.29
SUPPORT
52.31 & 51.49

FOLLOW US ON TWITTER:



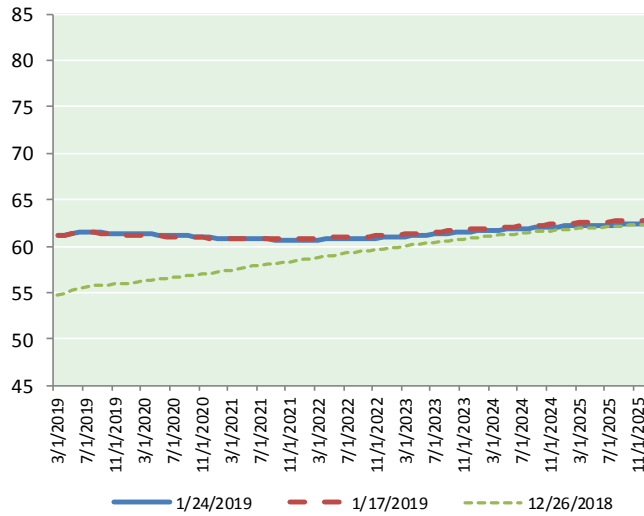
@MPG_NatGasNews

NYMEX Brent (BZ)

Futures

Month	Close	Change
Mar-19	53.13	0.51
Apr-19	53.42	0.50
May-19	53.78	0.46
Jun-19	54.14	0.41
Jul-19	54.45	0.36
Aug-19	54.66	0.32
Sep-19	54.78	0.28
Oct-19	54.85	0.25
Nov-19	54.88	0.21
Dec-19	54.88	0.18
Jan-20	54.85	0.15
Feb-20	54.82	0.13
Mar-20	54.79	0.11
Apr-20	54.74	0.08
May-20	54.70	0.08
Jun-20	54.65	0.06
Jul-20	54.58	0.06
Aug-20	54.51	0.05
Sep-20	54.45	0.03
Oct-20	54.41	0.02
Nov-20	54.38	0.01
Dec-20	54.36	0.01
Jan-21	54.29	0.02
Feb-21	54.21	0.02
1YR Strip	54.39	0.31
2018	#DIV/O!	#DIV/O!
5YR Strip	54.07	0.08

BRENT CRUDE FORWARD CURVE



FRAC Spread

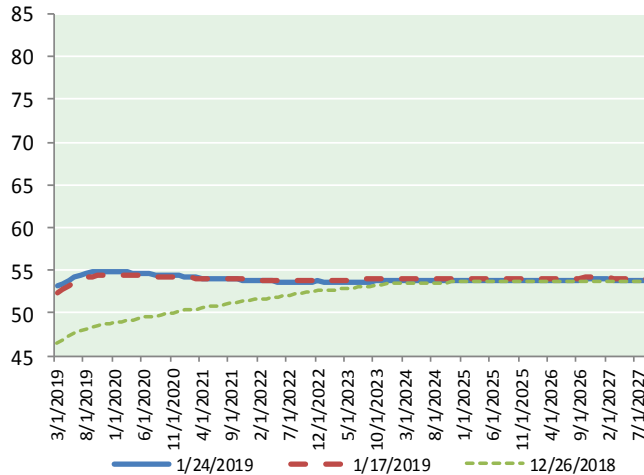
Specifications

Ethane :	42%	66,500 btu/g
Propane:	28%	90,830 btu/g
Butane:	11%	102,916 btu/g
Iso-Butane:	6%	98,935 btu/g
Natural Gasoline:	13%	115,021 btu/g

Prompt NGL Futures

	Feb-19	Close	Change
Butane	0.801	(0.001)	
Iso-Butane	0.810	(0.001)	
Nat Gasoline	1.030	0.003	

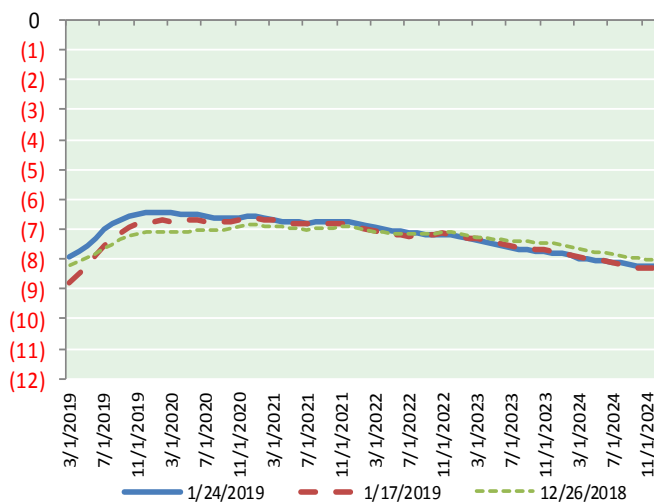
WTI CRUDE FORWARD CURVE



NYMEX WTI (CL) Futures

Month	Close	Change
Mar-19	61.09	(0.05)
Apr-19	61.16	0.13
May-19	61.31	0.14
Jun-19	61.43	0.13
Jul-19	61.45	0.12
Aug-19	61.48	0.12
Sep-19	61.44	0.12
Oct-19	61.41	0.12
Nov-19	61.38	0.11
Dec-19	61.32	0.11
Jan-20	61.29	0.10
Feb-20	61.27	0.09
Mar-20	61.26	0.09
Apr-20	61.24	0.08
May-20	61.21	0.07
Jun-20	61.18	0.07
Jul-20	61.14	0.07
Aug-20	61.11	0.07
Sep-20	61.07	0.06
Oct-20	61.03	0.05
Nov-20	60.98	0.05
Dec-20	60.91	0.04
Jan-21	60.87	0.04
Feb-21	60.86	0.04

WTI-BRENT SPREAD



1YR Strip	61.34	0.10
2018	#DIV/O!	#DIV/O!
5YR Strip	61.07	0.05