

# NATURAL GAS



JANUARY 28, 2019

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



## NYMEX NG Futures

Month	Close	Change
Feb-19	3.178	0.079
Mar-19	3.072	0.074
Apr-19	2.884	0.040
May-19	2.868	0.030
Jun-19	2.907	0.022
Jul-19	2.951	0.019
Aug-19	2.953	0.021
Sep-19	2.927	0.024
Oct-19	2.951	0.026
Nov-19	2.998	0.026
Dec-19	3.146	0.024
Jan-20	3.239	0.025
Feb-20	3.164	0.021
Mar-20	2.980	0.017
Apr-20	2.618	0.000
May-20	2.568	0.000
Jun-20	2.592	0.001
Jul-20	2.618	
Aug-20	2.619	0.000
Sep-20	2.606	0.000
Oct-20	2.631	0.000
Nov-20	2.681	0.000
Dec-20	2.851	0.000
Jan-21	2.966	0.000
1YR Strip	3.006	0.034
2018	#DIV/0!	#DIV/0!
5YR Strip	2.745	0.014

## IN THE NEWS

**America Needs More Oil And Natural Gas Pipelines-** Forbes reported: Despite a 140% boom in U.S. crude oil production and a 50% jump in natural gas output since shale took flight in 2008, the midstream infrastructure to pipe this new supply around the country has simply not kept up. This is a major problem for us because pipelines are easily the safest and most eco-

- **Aramco Ready To Pour Billions In U.S. Natural Gas**
- **Natural gas pipeline proposed for northwest North Dakota**

nomical way to transport energy. In addition, hardly "going away," oil and gas will still supply the bulk of U.S. energy through at least 2050, according to just released modeling from the U.S. Department of Energy in the Annual Energy Outlook 2019. The Permian basin in West Texas, giving a third of all U.S. crude production, confronts a pipeline bottleneck from a surge of activity. Yet, most of this will be rectified as the build-out in our largest oilfield continues to catch up. For more on this story visit [forbes.com](https://forbes.com) or click <https://bit.ly/2sQByG4>

**Natural gas pipeline proposed for northwest North Dakota-** Bismarck Tribune reported: A new natural gas pipeline is proposed for the core of the Bakken. MDU Resources Group has announced that subsidiary WBI Energy plans to construct the North Bakken Expansion Project, adding 67 miles of pipeline in Williams and McKenzie counties. The project will transport natural gas that has been processed from the Tioga area to a new connection with Northern Border Pipeline in McKenzie County. The \$220 million project also includes two compressor facilities and other related infrastructure. Trevor Hastings, president and CEO of WBI Energy, said in a statement the expansion will meet the natural gas transportation needs in the Bakken. "We are working with our customers to meet these needs as the industry focuses on reducing natural gas flaring while growing production volumes," Hastings said Friday. North Dakota produced an average of 2.5 billion cubic feet per day of natural gas in November, a figure that's projected to continue breaking records. Operators flared about 527 million cubic feet per day due to inadequate infrastructure. For more on this story visit [bismarcktribune.com](http://bismarcktribune.com) or click <https://bit.ly/2B7iesO>

## 12 MONTH CANDLESTICK (WEEKLY)



## Prompt Natural Gas (NG) Daily Sentiment

**BEARISH**



RESISTANCE

3.24 & 3.30

SUPPORT

3.08 & 2.98

## Trading Summary

### NATURAL GAS

Futures	Close	Change
NG	3.178	0.079
Volume	474,814	(78,247)
Open Int.	1,333,941	(5,581)

### CRUDE AND GASOLINE

Futures	Close	Change
Crude	53.69	0.56
RBOB	1.3894	0.0018
Crude/NG	17.48	(0.24)

### METALS

Futures	Close	Change
Gold	1,297.40	2.80

### EQUITIES

Exchange	Close	Change
DOW	24,737.20	183.96
S&P 500	-804.44	22.43

### CURRENCY

Currency	Close	Change
EUR/USD	1.1418	0.0012
USD/CND	1.2405	0.0050

## Contact Us



**Mansfield Energy Corp**  
1025 Airport Pkwy  
Gainesville, GA 30501

[www.mansfield.energy](http://www.mansfield.energy)

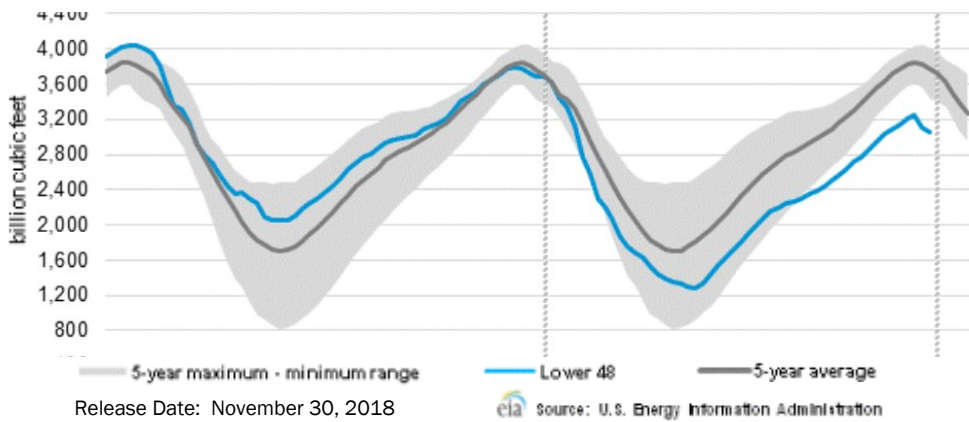
[info@mansfieldoil.com](mailto:info@mansfieldoil.com)

Phone: (800) 695-6626





**WEEKLY GAS IN UNDERGROUND STORAGE WITH 5-YR RANGE**



**Rig Count**

Report Date: January 25, 2019

	Total	Change
US -	1,059	+9
CN -	232	23

**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**

**2,370 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

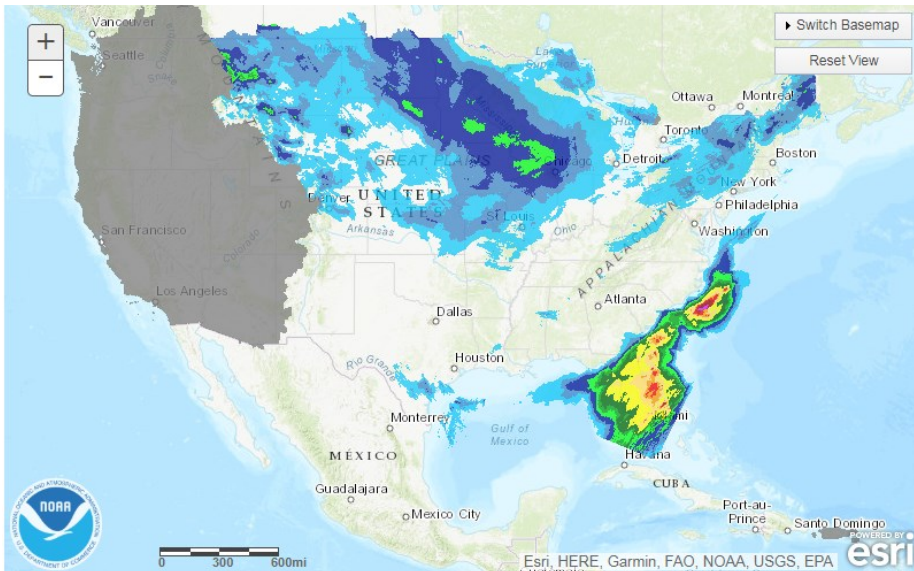
[NEXT REPORT ON Feb 1]

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

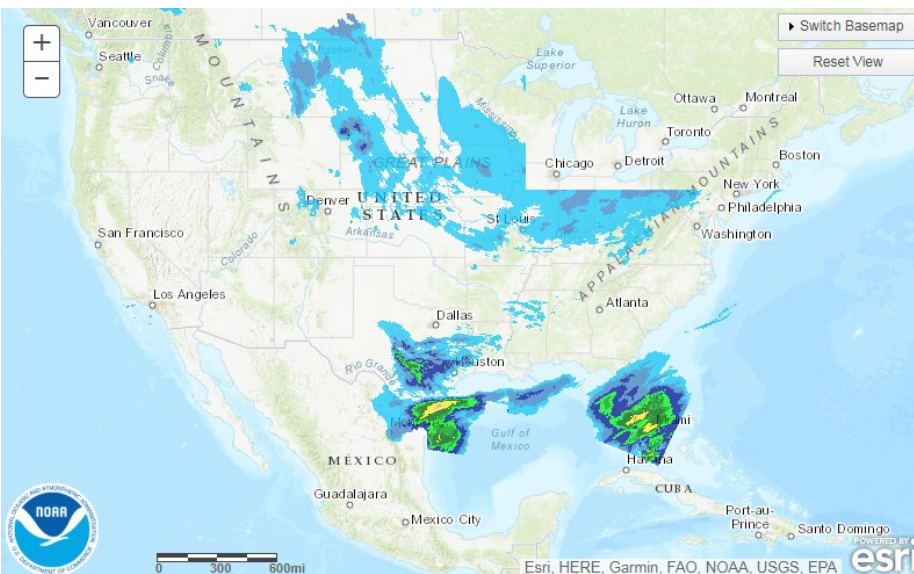
**Average daily values (BCF/D):**  
 Last Year (BCF/d)  
 Power – +26.1  
 Total Demand – +108.5  
 Last Week (BCF/d)  
 Power – +25.3  
 Total Demand – +114.3

[NEXT REPORT ON Feb 1]

**TODAY'S PRECIPITATION**



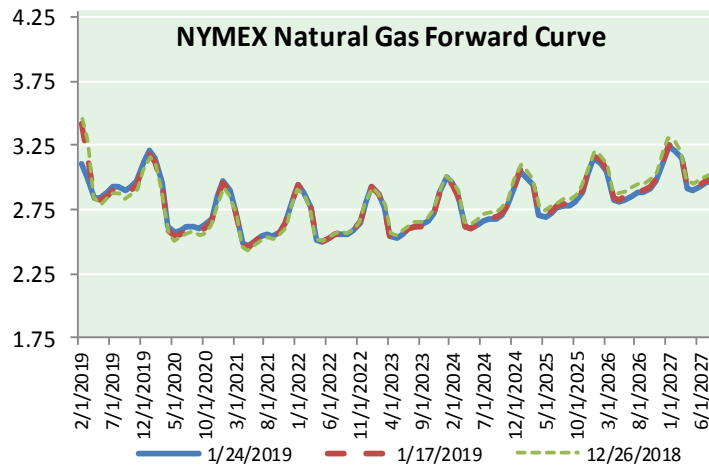
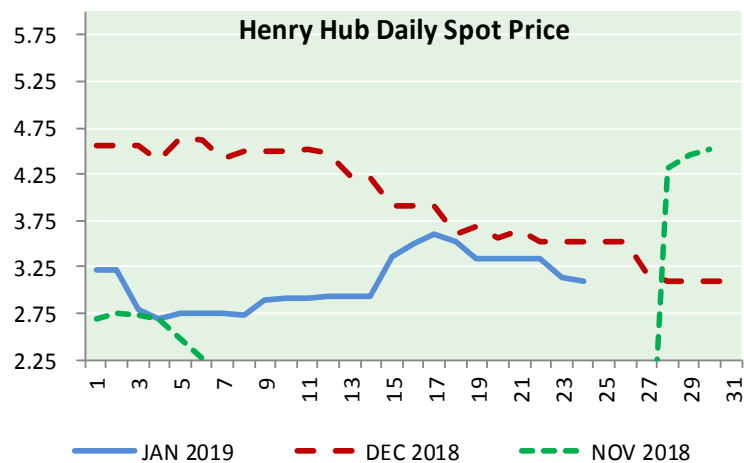
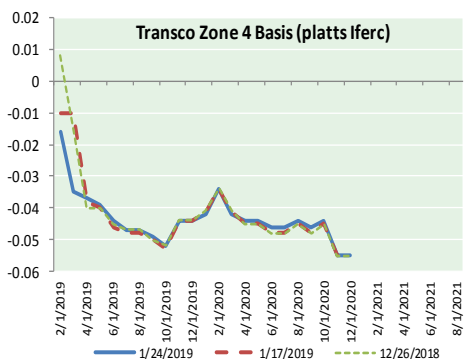
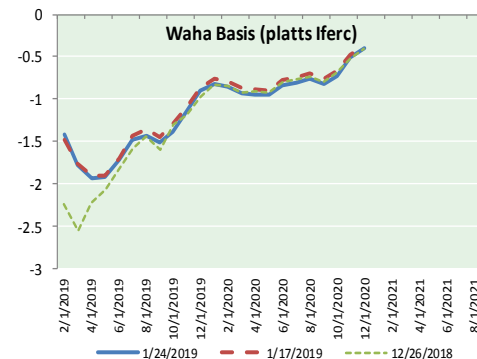
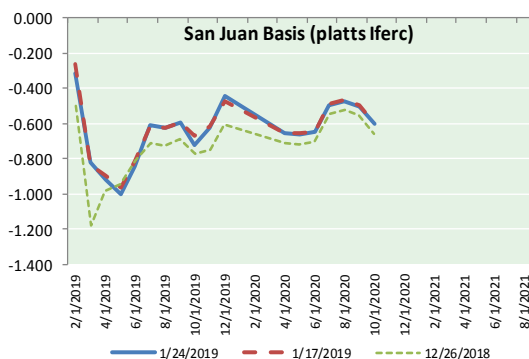
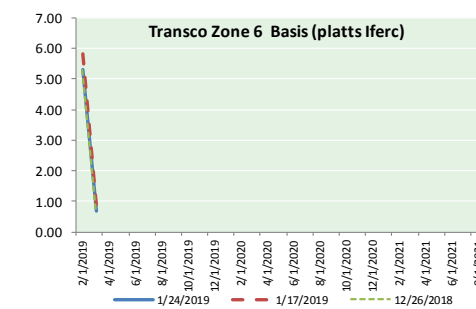
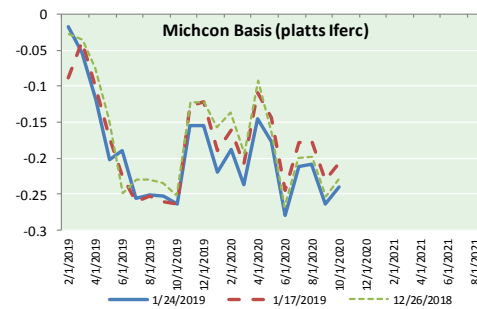
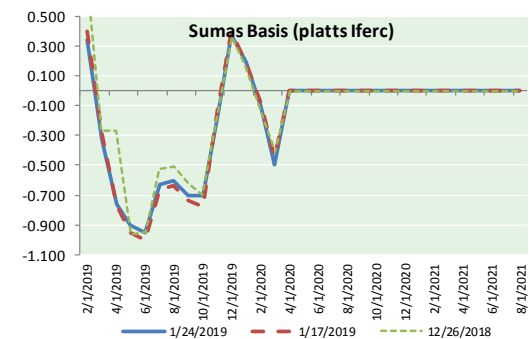
**24 HOUR PRECIPITATION**



# 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	53.69
11	51.59	26	
12		27	
13		28	
14	50.51	29	
15	52.11	30	
		31	

Average (Jan) 51.1318  
(through 01/25/2019)

Average (Dec) 49.5400

Average (Nov) 56.6933

### CME NG Option Prices

#### ATM Call

Month	Strike	Close	Imp Vol
Mar-19			
Apr-19	2.900	0.131	41.2
May-19			
Jun-19			
Jul-19			

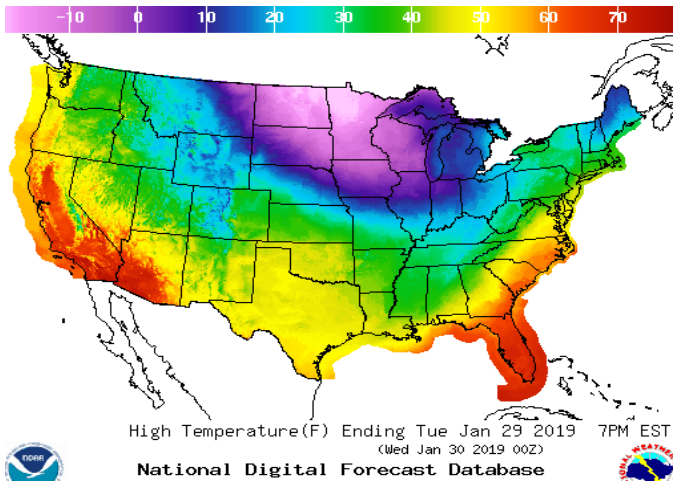
### CME NG Option Prices

#### ATM Put

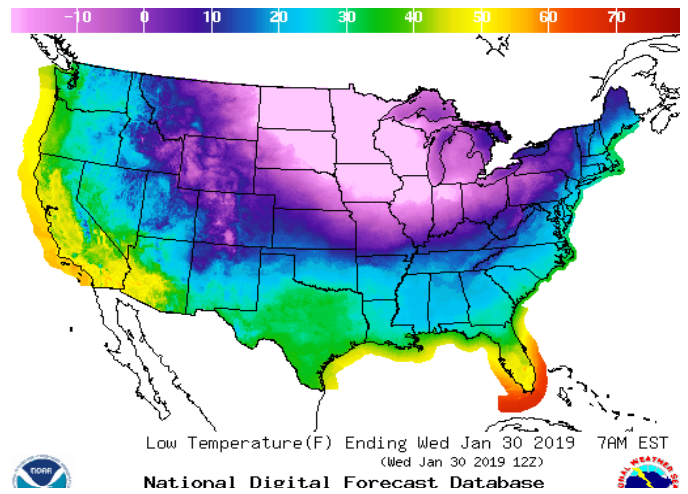
Mar-19			
Apr-19	2.900	0.159	48.7
May-19			
Jun-19			
Jul-19			

WEATHER – HIGH / LOW TEMPERATURE TOMORROW

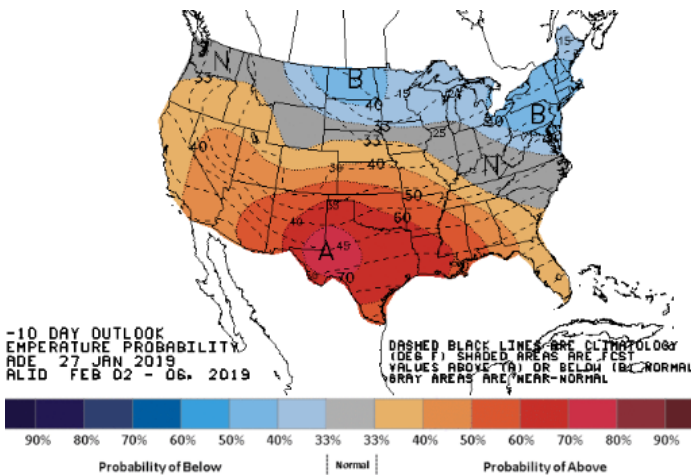
HIGH Temperature



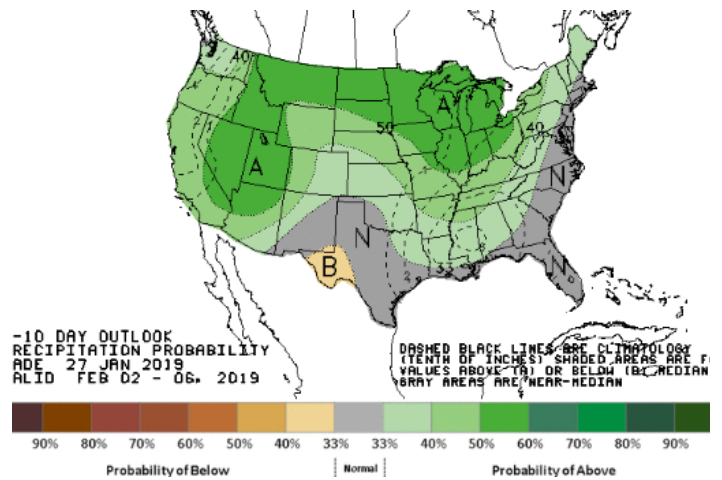
LOW Temperature



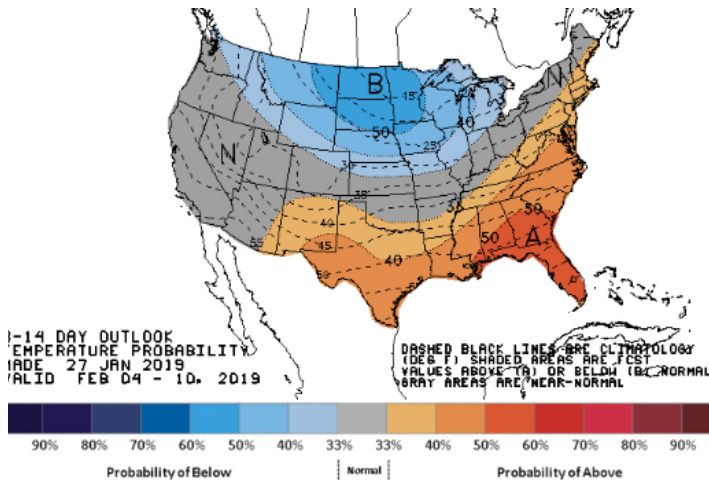
WEATHER – 6 TO 10 DAY OUTLOOK – NOAA  
Temperature



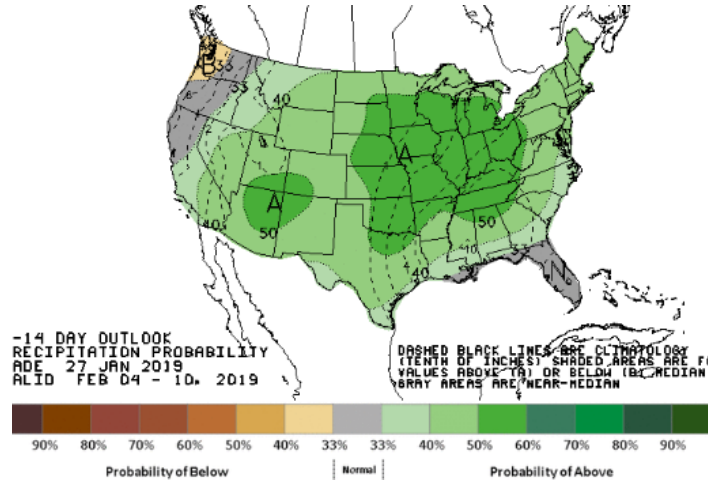
Precipitation



WEATHER – 8 TO 14 DAY OUTLOOK – NOAA  
Temperature



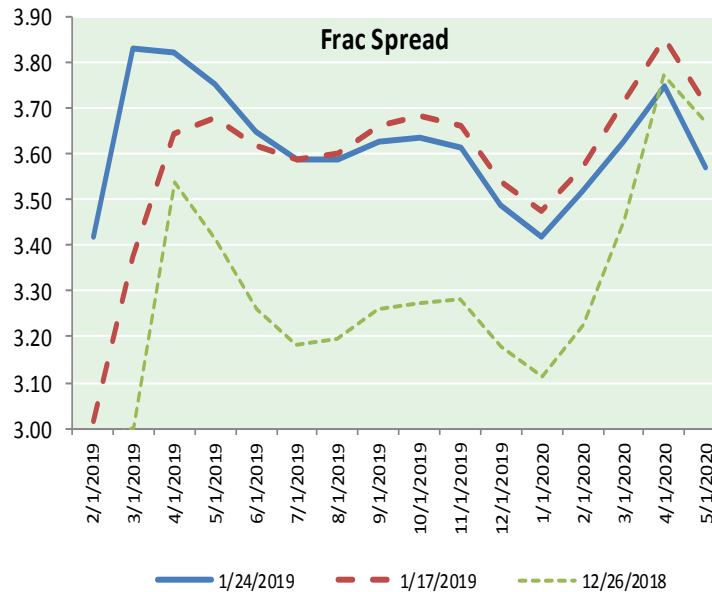
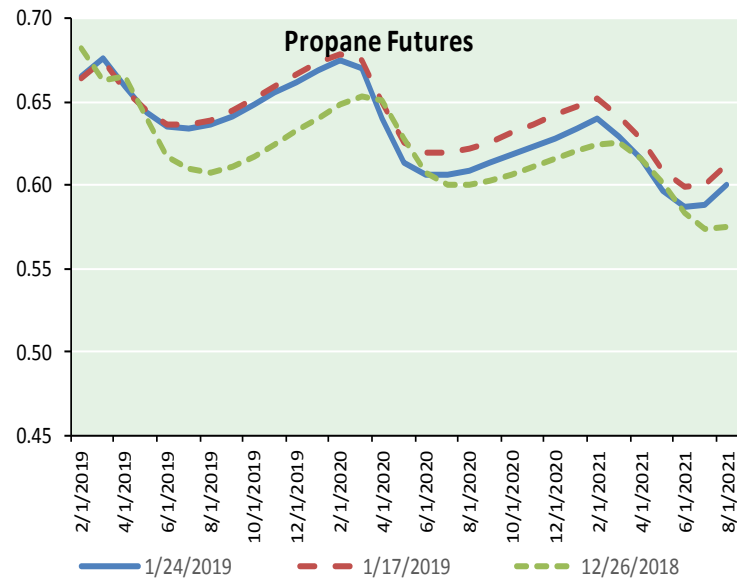
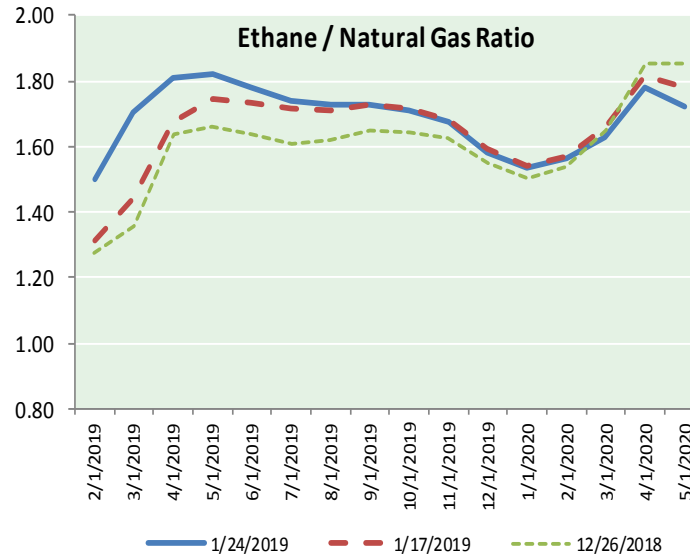
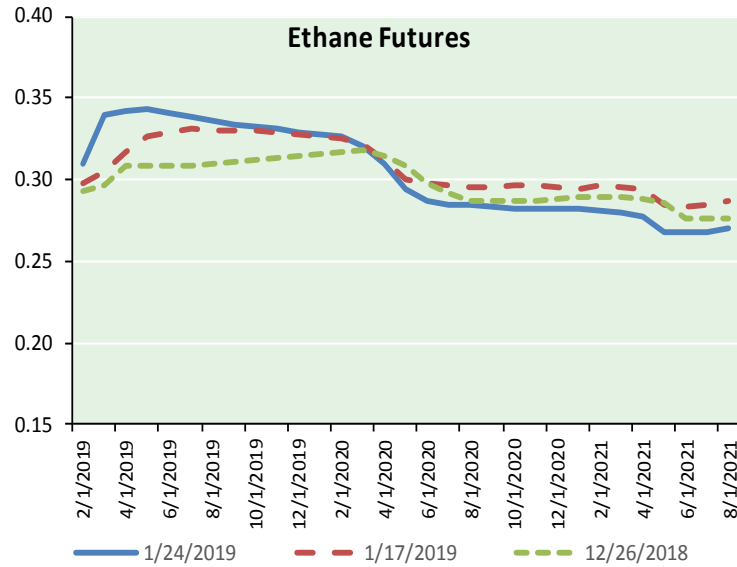
Precipitation



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

**BEARISH**



RESISTANCE  
53.55 & 54.49  
SUPPORT  
51.77 & 50.93

FOLLOW US ON TWITTER:



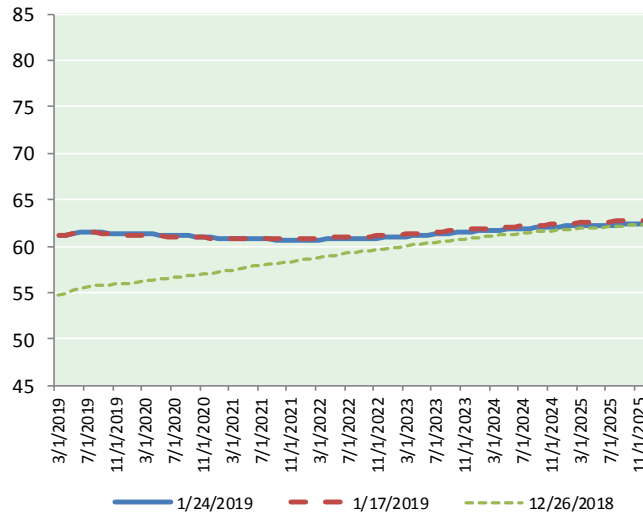
@MPG\_NatGasNews

**NYMEX Brent (BZ)**

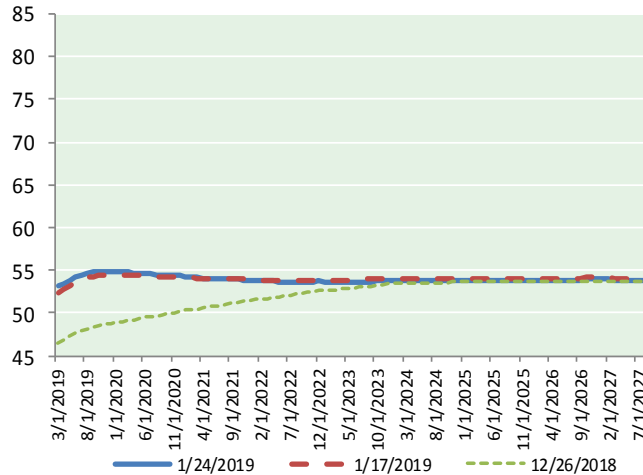
Futures

Month	Close	Change
Mar-19	53.69	0.56
Apr-19	53.98	0.56
May-19	54.31	0.53
Jun-19	54.66	0.52
Jul-19	54.96	0.51
Aug-19	55.16	0.50
Sep-19	55.27	0.49
Oct-19	55.32	0.47
Nov-19	55.32	0.44
Dec-19	55.29	0.41
Jan-20	55.24	0.39
Feb-20	55.19	0.37
Mar-20	55.14	0.35
Apr-20	55.08	0.34
May-20	55.02	0.32
Jun-20	54.96	0.31
Jul-20	54.87	0.29
Aug-20	54.79	0.28
Sep-20	54.73	0.28
Oct-20	54.68	0.27
Nov-20	54.65	0.27
Dec-20	54.63	0.27
Jan-21	54.56	0.27
Feb-21	54.48	0.27
1YR Strip	54.87	0.48
2018	#DIV/O!	#DIV/O!
5YR Strip	54.33	0.26

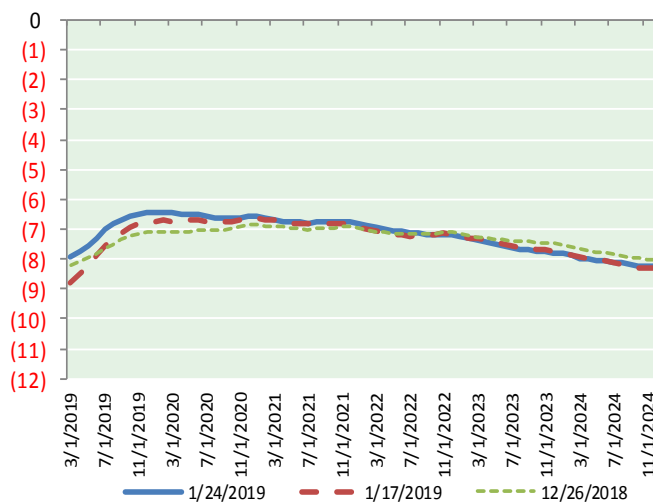
**BRENT CRUDE FORWARD CURVE**



**WTI CRUDE FORWARD CURVE**



**WTI-BRENT SPREAD**



**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	

**NYMEX WTI (CL) Futures**

Month	Close	Change
Mar-19	61.64	0.55
Apr-19	61.59	0.43
May-19	61.72	0.41
Jun-19	61.82	0.39
Jul-19	61.81	0.36
Aug-19	61.81	0.33
Sep-19	61.76	0.32
Oct-19	61.70	0.29
Nov-19	61.65	0.27
Dec-19	61.58	0.26
Jan-20	61.54	0.25
Feb-20	61.51	0.24
Mar-20	61.49	0.23
Apr-20	61.46	0.22
May-20	61.42	0.21
Jun-20	61.38	0.20
Jul-20	61.34	0.20
Aug-20	61.30	0.19
Sep-20	61.26	0.19
Oct-20	61.22	0.19
Nov-20	61.17	0.19
Dec-20	61.10	0.19
Jan-21	61.06	0.19
Feb-21	61.04	0.18
1YR Strip	61.68	0.34
2018	#DIV/O!	#DIV/O!
5YR Strip	61.28	0.22