

NATURAL GAS



NEWS

MARCH 18, 2019

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



NYMEX NG Futures

Month	Close	Change
Apr-19	2.795	(0.060)
May-19	2.802	(0.058)
Jun-19	2.852	(0.053)
Jul-19	2.904	(0.048)
Aug-19	2.919	(0.045)
Sep-19	2.906	(0.043)
Oct-19	2.919	(0.042)
Nov-19	2.964	(0.038)
Dec-19	3.097	(0.029)
Jan-20	3.175	(0.024)
Feb-20	3.108	(0.024)
Mar-20	2.965	(0.019)
Apr-20	2.644	(0.015)
May-20	2.590	(0.014)
Jun-20	2.616	(0.013)
Jul-20	2.644	(0.011)
Aug-20	2.645	(0.011)
Sep-20	2.627	(0.012)
Oct-20	2.647	(0.013)
Nov-20	2.692	(0.012)
Dec-20	2.841	(0.011)
Jan-21	2.956	(0.011)
Feb-21	2.906	(0.008)
Mar-21	2.773	(0.011)
1YR Strip	2.951	(0.040)
2019	2.906	(0.046)
5YR Strip	2.758	(0.011)

IN THE NEWS

Iran boosts natural gas production at South Pars with \$11 billion expansion— S&P Global reported: Iran completed an \$11 billion expansion of the giant South Pars, part of the world's largest natural gas field, boosting output by more than 100 million cubic meters a day with President Hassan and oil minister Bijan Zanganeh attending opening ceremonies on Sunday. Four phases

- **Iran boosts natural gas production at South Pars with \$11 billion expansion**
- **Gas Tank Explosion in South LA Creates Giant Smoke Cloud, Panic**

launched Sunday in the offshore gas field in the Persian Gulf will increase production by 112 million cm/d and be used for domestic consumption, according to the oil ministry's news service Shana. That will add to existing South Pars output of 610 million cm/d, and a domestic total of 841 million cm/d. Qatar shares the gas field with Iran and now Iran has taken over for Qatar as the world's largest producer of natural gas, Zanganeh told reporters Saturday night, according to Shana. For more on this story visit [spglobal.com](https://bit.ly/2UBw1j0) or click <https://bit.ly/2UBw1j0>

Gas Tank Explosion in South LA Creates Giant Smoke Cloud, Panic— NBC Southern California reported: Two people were injured in an explosion caused by a gasoline leak in South Los Angeles Sunday morning, the Los Angeles Fire Department said. At around 7:45 a.m. a 9,000-gallon tanker that was leaking gasoline caught fire and exploded, and two people were injured, along with a home burning down, the LAFD said. Two women were hospitalized. One of the victims suffered serious burns, the department said. "It was a massive explosion," said Joseph Casillas, who said he saw flames rising from the sewers following the blast. "You could see the fire, it was like a tornado 10-feet high." The fire caused pressure underground that displaced several manhole covers, which initially led to reports that the explosion was the result of a natural gas leak, authorities said. A hazardous materials squad was on scene to assist in preventing the gasoline from reaching the ocean and an arson team is investigating, the department said. For more on this story visit [nbclosangeles.com](https://bit.ly/2CAIY5V) or click <https://bit.ly/2CAIY5V>

12 MONTH CANDLESTICK (WEEKLY)



Prompt Natural Gas (NG) Daily Sentiment

BEARISH



RESISTANCE

2.84 & 2.89

SUPPORT

2.78 & 2.75

Trading Summary

NATURAL GAS

Futures	Close	Change
NG	2.795	(0.060)
Volume	213,897	(115,793)
Open Int.	1,192,213	(5,989)

CRUDE AND GASOLINE

Futures	Close	Change
Crude	58.52	(0.09)
RBOB	1.8577	0.0082
Crude/NG	20.94	0.41

METALS

Futures	Close	Change
Gold	1,301.80	(4.50)

EQUITIES

Exchange	Close	Change
DOW	25,840.88	(7.99)
S&P 500	-1,908.12	8.54

CURRENCY

Currency	Close	Change
EUR/USD	1.1344	0.0001
USD/CND	1.2405	(0.0008)

Contact Us



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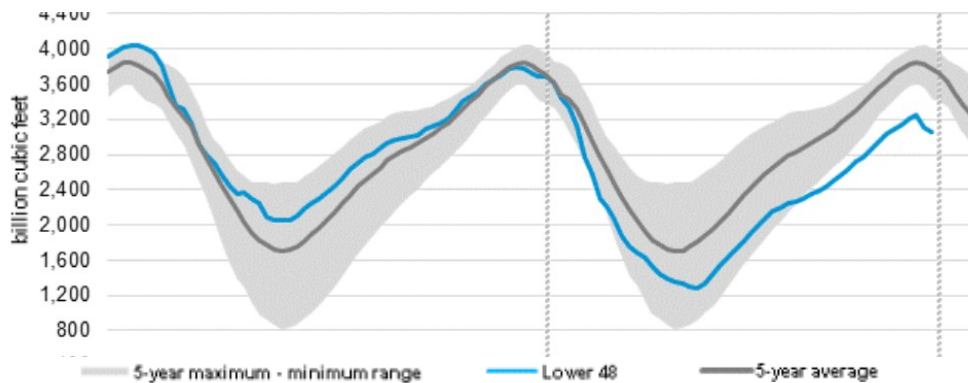
info@mansfieldoil.com

Phone: (800) 695-6626



NATURAL GAS NEWS

WEEKLY GAS IN UNDERGROUND STORAGE WITH 5-YR RANGE



Release Date: November 30, 2018

Source: U.S. Energy Information Administration

Rig Count

Report Date: March 1, 2019

	Total	Change
US -	1,038	(9)
CN -	211	(1)

EIA Weekly NG Storage Actual and Surveys for March 15, 2019

Released March 14, 2019

Range +219 to +198

PIRA— (211)

PointLogic— (210)

Citi Futures— (219)

EIA ACTUAL — (204)

Total Working Gas In Storage

1,186 BCF

(204) BCF (LAST WEEK)

(359) BCF (LAST YEAR)

(569) BCF (5-YR AVG)

U.S. Natural Gas Supply Gas Week 3/07 — 3/13

Average daily values (BCF/D):

Last Year (BCF/d)

Dry Production — +78.2

Total Supply — +85.2

Last Week (BCF/d)

Dry Production — +88.2

Total Supply — +93.9

[NEXT REPORT ON Mar 22]

U.S. Natural Gas Demand Gas Week 3/07 — 3/13

Average daily values (BCF/D):

Last Year (BCF/d)

Power — +23.7

Total Demand — +96.2

Last Week (BCF/d)

Power — +26.4

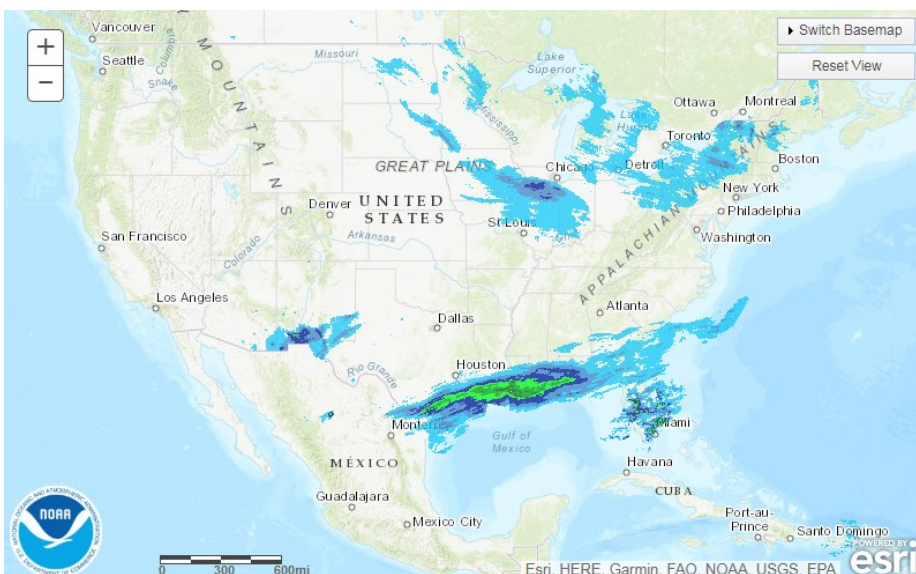
Total Demand — +116.9

[NEXT REPORT ON Mar 22]

TODAY'S PRECIPITATION

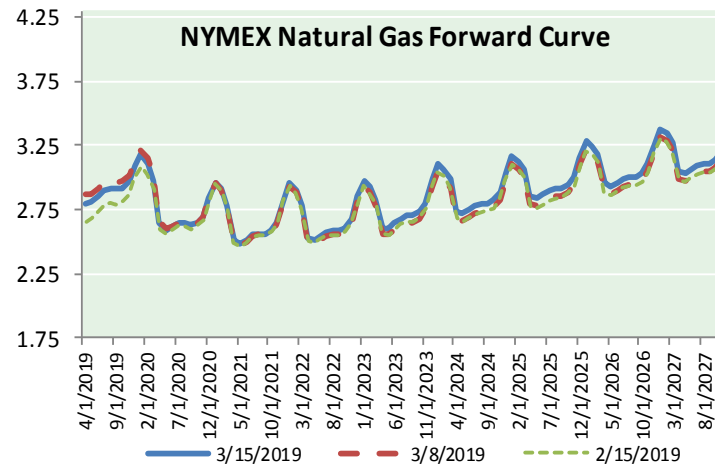
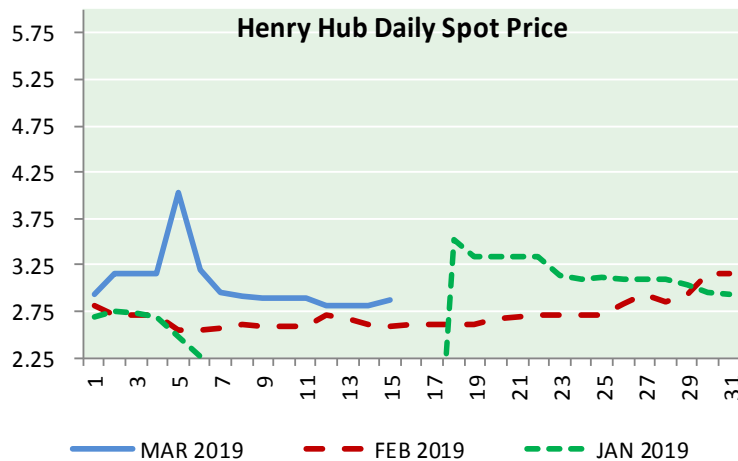
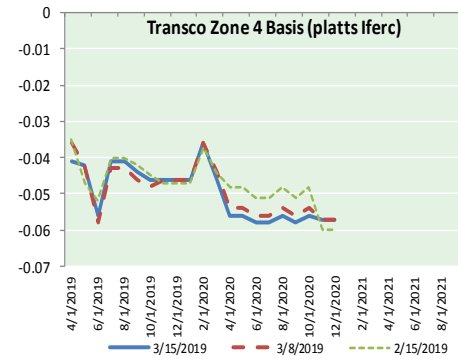
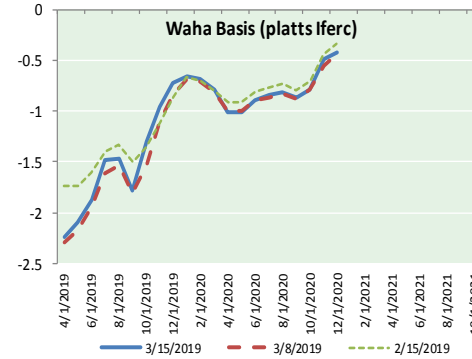
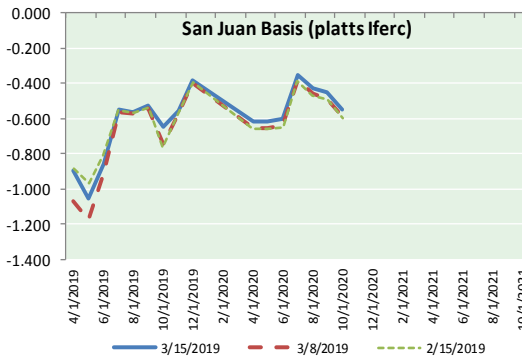
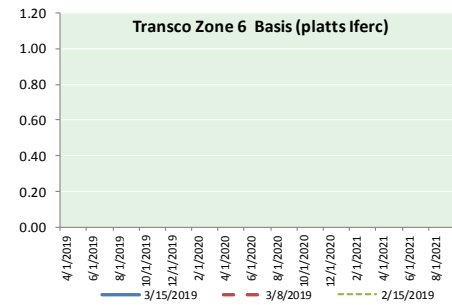
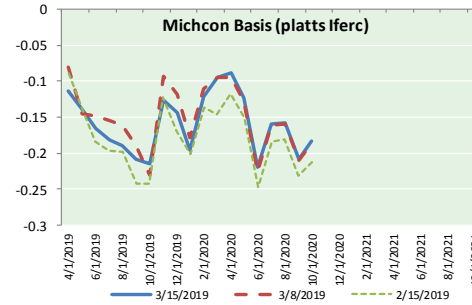
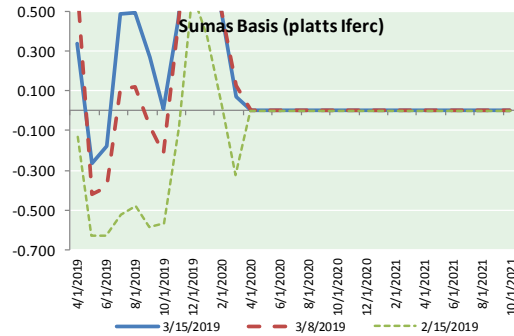


24 HOUR PRECIPITATION





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



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

Month: March 2019

Day	Price	Day	Price
1	55.80	16	
2		17	
3		18	
4	56.59	19	
5	56.56	20	
6	56.22	21	
7	56.66	22	
8	56.07	23	
9		24	
10		25	
11	56.79	26	
12	56.87	27	
13	58.26	28	
14	58.61	29	
15	58.52	30	
		31	

Average (Mar) 56.9955
(through 03/15/2019)

Average (Feb) 55.0360

Average (Jan) 51.5505

CME NG Option Prices

ATM Call

Month	Strike	Close	Imp Vol
May-19			
Jun-19	2.850	0.072	20.6
Jul-19			
Aug-19			
Sep-19			

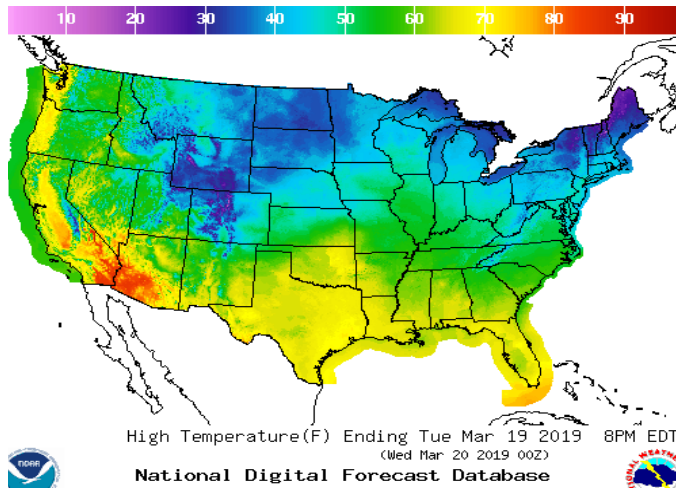
CME NG Option Prices

ATM Put

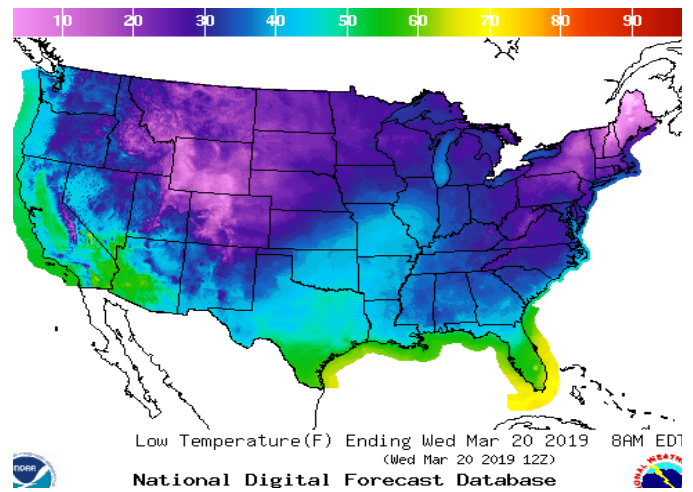
Month	Strike	Close	Imp Vol
May-19			
Jun-19	2.850	0.074	18.7
Jul-19			
Aug-19			
Sep-19			

WEATHER – HIGH / LOW TEMPERATURE TOMORROW

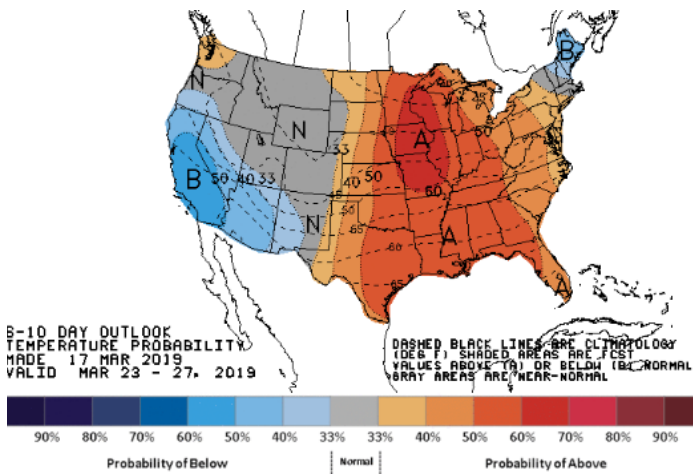
HIGH Temperature



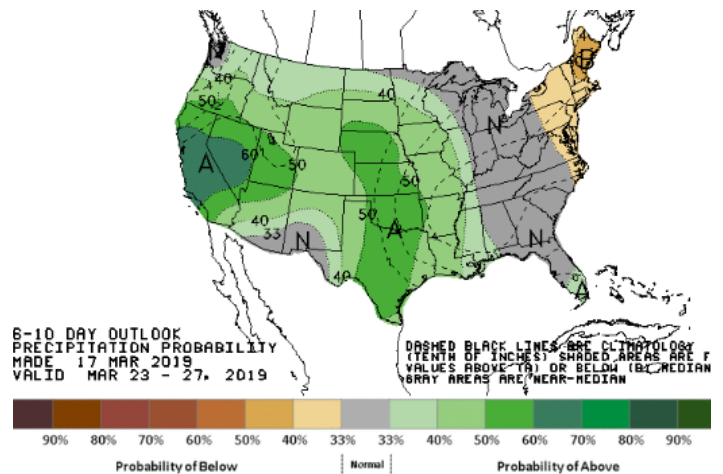
LOW Temperature



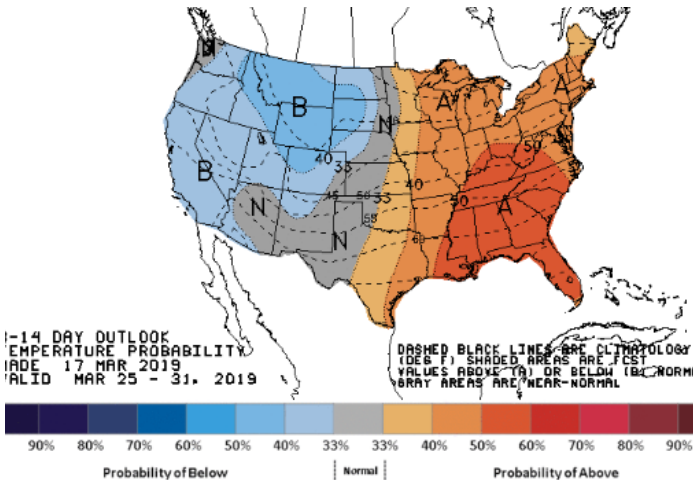
WEATHER – 6 TO 10 DAY OUTLOOK – NOAA
Temperature



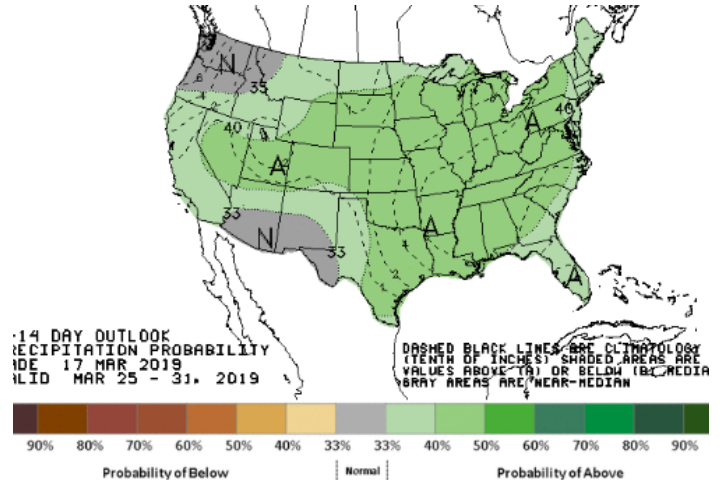
Precipitation



WEATHER – 8 TO 14 DAY OUTLOOK – NOAA
Temperature

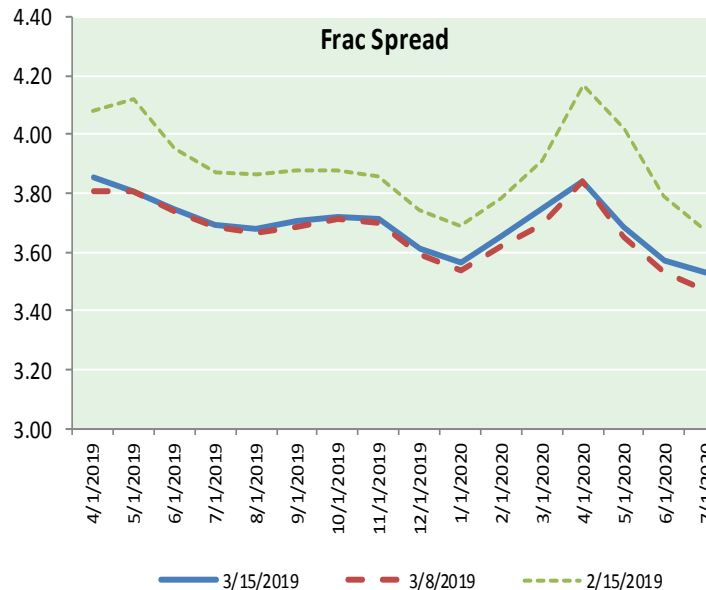
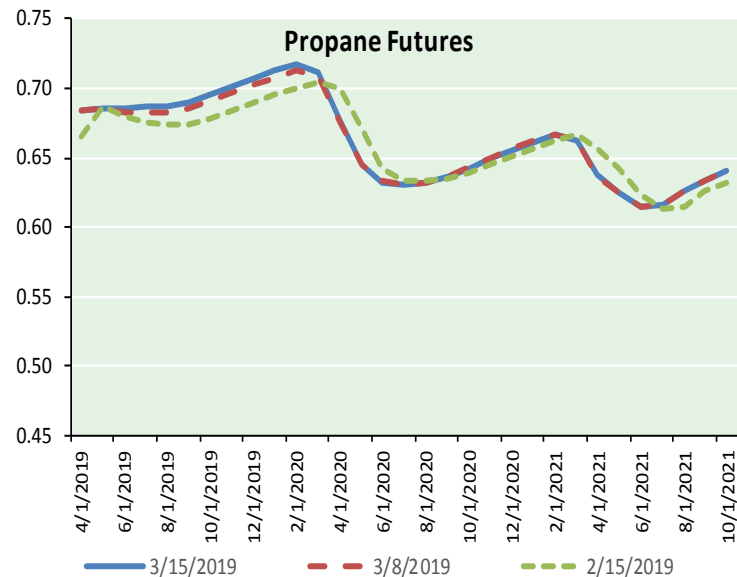
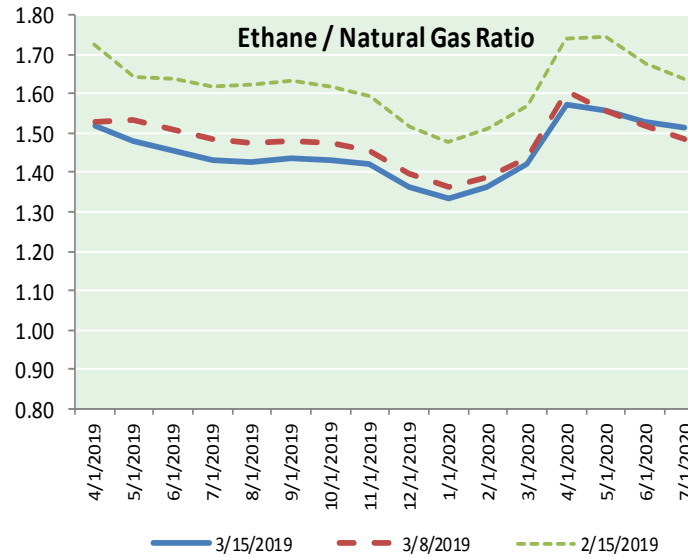
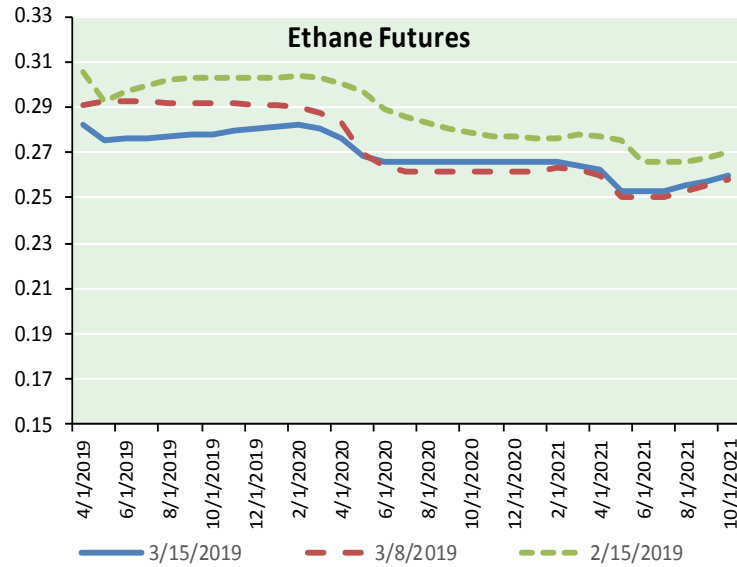


Precipitation





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



CME Future Prices

Month	Close	Change
Apr-19	0.282	(0.006)
May-19	0.276	(0.012)
Jun-19	0.276	(0.012)
Jul-19	0.276	(0.012)
Aug-19	0.277	(0.011)
Sep-19	0.278	(0.011)
Oct-19	0.278	(0.010)
Nov-19	0.280	(0.009)
Dec-19	0.281	(0.009)
Jan-20	0.281	(0.008)
Feb-20	0.282	(0.008)
Mar-20	0.281	(0.009)
1YR Strip	0.279	(0.010)

CME Future Prices

Propane (C3)
Non-LDH— Mont Belvieu

Month	Close	Change
Apr-19	0.684	(0.004)
May-19	0.686	(0.008)
Jun-19	0.685	(0.008)
Jul-19	0.687	(0.007)
Aug-19	0.688	(0.006)
Sep-19	0.689	(0.007)
Oct-19	0.695	(0.007)
Nov-19	0.701	(0.006)
Dec-19	0.708	(0.006)
Jan-20	0.713	(0.006)
Feb-20	0.718	(0.006)
Mar-20	0.712	(0.006)
1YR Strip	0.697	(0.006)

NATURAL GAS NEWS



Prompt WTI (CL) Crude
Daily Sentiment

BULLISH



RESISTANCE
59.07 & 59.61
SUPPORT
57.86 & 57.19

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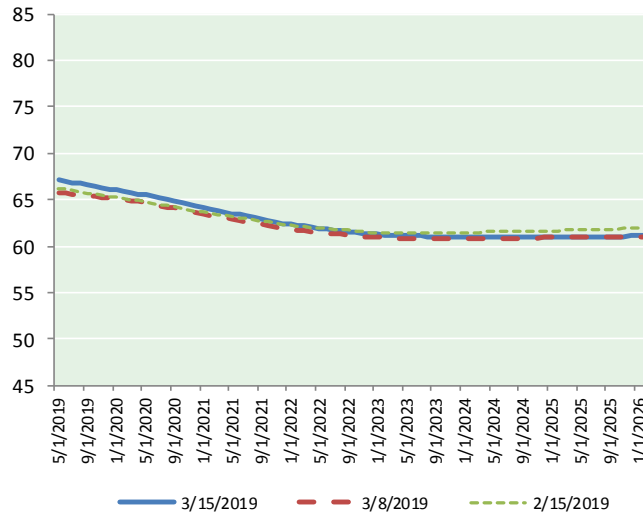
@MPG_NatGasNews

NYMEX Brent (BZ)

Futures

Month	Close	Change
Apr-19	58.52	(0.09)
May-19	58.82	(0.09)
Jun-19	59.12	(0.09)
Jul-19	59.44	(0.10)
Aug-19	59.72	(0.09)
Sep-19	59.89	(0.08)
Oct-19	59.95	(0.08)
Nov-19	59.92	(0.09)
Dec-19	59.84	(0.10)
Jan-20	59.72	(0.08)
Feb-20	59.57	(0.07)
Mar-20	59.38	(0.06)
Apr-20	59.20	(0.05)
May-20	59.01	(0.03)
Jun-20	58.84	(0.03)
Jul-20	58.64	(0.01)
Aug-20	58.46	0.01
Sep-20	58.29	0.02
Oct-20	58.12	0.04
Nov-20	57.98	0.04
Dec-20	57.85	0.05
Jan-21	57.66	0.06
Feb-21	57.46	0.07
Mar-21	57.27	0.07
1YR Strip 2019	59.49	(0.09)
5YR Strip	56.70	0.09

BRENT CRUDE FORWARD CURVE



FRAC Spread

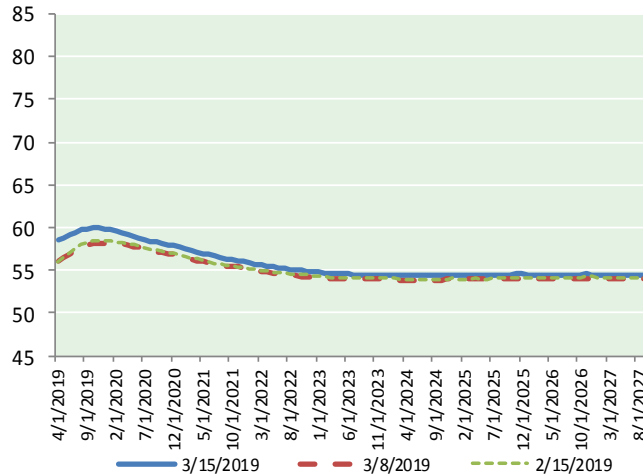
Specifications

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

	Apr-19	Close	Change
Butane	0.789	0.789	(0.005)
Iso-Butane	0.843	0.843	0.001
Nat Gasoline	1.239	1.239	0.003

WTI CRUDE FORWARD CURVE



NYMEX WTI (CL) Futures

Month	Close	Change
May-19	67.16	(0.07)
Jun-19	67.04	(0.09)
Jul-19	66.86	(0.10)
Aug-19	66.70	(0.13)
Sep-19	66.57	(0.14)
Oct-19	66.44	(0.15)
Nov-19	66.31	(0.17)
Dec-19	66.16	(0.18)
Jan-20	66.04	(0.19)
Feb-20	65.92	(0.18)
Mar-20	65.78	(0.17)
Apr-20	65.63	(0.17)
May-20	65.47	(0.16)
Jun-20	65.29	(0.15)
Jul-20	65.14	(0.15)
Aug-20	64.98	(0.14)
Sep-20	64.81	(0.14)
Oct-20	64.64	(0.14)
Nov-20	64.45	(0.13)
Dec-20	64.25	(0.14)
Jan-21	64.10	(0.13)
Feb-21	63.95	(0.13)
Mar-21	63.81	(0.12)
Apr-21	63.66	(0.12)
1YR Strip 2019	66.38	(0.15)
5YR Strip	63.16	(0.10)

WTI-BRENT SPREAD

