

NATURAL GAS



MARCH 6, 2019

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



NYMEX NG Futures

Month	Close	Change
Apr-19	2.884	0.027
May-19	2.884	0.027
Jun-19	2.918	0.023
Jul-19	2.957	0.020
Aug-19	2.970	0.019
Sep-19	2.956	0.018
Oct-19	2.968	0.015
Nov-19	3.010	0.009
Dec-19	3.147	0.004
Jan-20	3.226	0.004
Feb-20	3.160	0.001
Mar-20	3.025	0.004
Apr-20	2.643	0.003
May-20	2.591	0.005
Jun-20	2.613	0.005
Jul-20	2.638	0.005
Aug-20	2.639	0.005
Sep-20	2.621	0.005
Oct-20	2.642	0.005
Nov-20	2.687	0.008
Dec-20	2.833	0.007
Jan-21	2.946	0.007
Feb-21	2.888	0.001
Mar-21	2.753	0.002
1YR Strip	3.009	0.014
2019	2.966	0.018
5YR Strip	2.743	0.003

IN THE NEWS

Mexico Will Depend On U.S. Natural Gas Despite Energy Sovereignty Push— Oil Price reported: Mexico will continue to need U.S. natural gas imports over the next decade, despite efforts by the new Mexican government to reduce dependence on American natural gas, data and analytics company GlobalData said in a report on Tuesday. Currently, U.S. natural gas pipeline exports,

- **Mexico Will Depend On U.S. Natural Gas Despite Energy Sovereignty Push**
- **Mississippi Band of Choctaw Indians hosts ceremony for natural**

mainly from Texas, look like a much more convenient option for Mexico than grappling with possible shortfalls of natural gas supply, according to GlobalData. "Without a comprehensive strategy that considers development of large natural gas resources, both onshore and offshore, it will be difficult to reduce the volume of imports demanded for power generation and industrial use," the analytics firm said. For more on this story visit oilprice.com or click <https://bit.ly/2tRVNUp>

Mississippi Band of Choctaw Indians hosts ceremony for natural gas line— Meridian Star reported: The Mississippi Band of Choctaw Indians along with CenterPoint Energy officials held a valve turning ceremony recently in Choctaw. The ceremony featured remarks by Tribal Chief Phyliss J. Anderson, Central District Public Service Commissioner Cecil Brown, and CenterPoint Energy District Director Jason Fabre, Jr. "I am very proud to say we have seen this project to its completion and that we will see the benefits for many more decades and generations," said Chief Anderson in a news release. "Changing to natural gas will be a huge cost savings for our Tribe with an estimate \$1 million per year energy cost. This project truly demonstrates what can be accomplished when all parties work together collectively towards a goal. I am very proud of this team and the end results." Bringing natural gas to the Tribe was a project the Economic Development office has worked on for more than 20 years, according to the release. After Tribal Council approval and securing the needed right-of-way from the Bureau of Indian Affairs, the laying of pipe began in July 2017. For more on this story visit meridianstar.com or click <https://bit.ly/2TEGMUJ>

12 MONTH CANDLESTICK (WEEKLY)



Prompt Natural Gas (NG) Daily Sentiment

BULLISH



RESISTANCE

2.90 & 2.92

SUPPORT

2.85 & 2.82

Trading Summary

NATURAL GAS

Futures	Close	Change
NG	2.884	0.027
Volume	269,785	(207,097)
Open Int.	1,203,769	6,422

CRUDE AND GASOLINE

Futures	Close	Change
Crude	56.56	(0.03)
RBOB	1.7674	0.0184
Crude/NG	19.61	(0.20)

METALS

Futures	Close	Change
Gold	1,282.00	0.60

EQUITIES

Exchange	Close	Change
DOW	25,811.50	4.87
S&P 500	-1,878.74	(3.51)

CURRENCY

Currency	Close	Change
EUR/USD	1.1310	0.0002
USD/CND	1.2405	0.0028

Contact Us



Mansfield Energy Corp
1025 Airport Pkwy
Gainesville, GA 30501

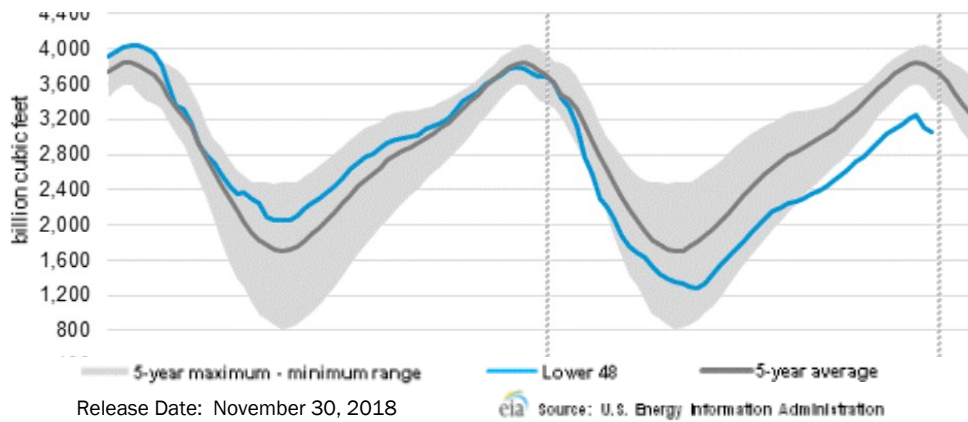
www.mansfield.energy
info@mansfieldoil.com

Phone: (800) 695-6626



NATURAL GAS NEWS

WEEKLY GAS IN UNDERGROUND STORAGE WITH 5-YR RANGE



Rig Count

Report Date: March 1, 2019

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

EIA Weekly NG Storage Actual and Surveys for March 1, 2019

Released February 28, 2019

Range — +165 to +118

PIRA— (175)

PointLogic — (169)

Citi Futures — (173)

EIA ACTUAL — (177)

Total Working Gas In Storage

1,539 BCF

(166) BCF (LAST WEEK)

(154) BCF (LAST YEAR)

(424) BCF (5-YR AVG)

U.S. Natural Gas Supply Gas Week 2/21 – 2/27

Average daily values (BCF/D):

Last Year (BCF/d)

Dry Production — +78.2

Total Supply — +84.1

Last Week (BCF/d)

Dry Production — +88.6

Total Supply — +93.6

[NEXT REPORT ON Mar 8]

U.S. Natural Gas Demand Gas Week 2/21 – 2/27

Average daily values (BCF/D):

Last Year (BCF/d)

Power — +24.1

Total Demand — +91.8

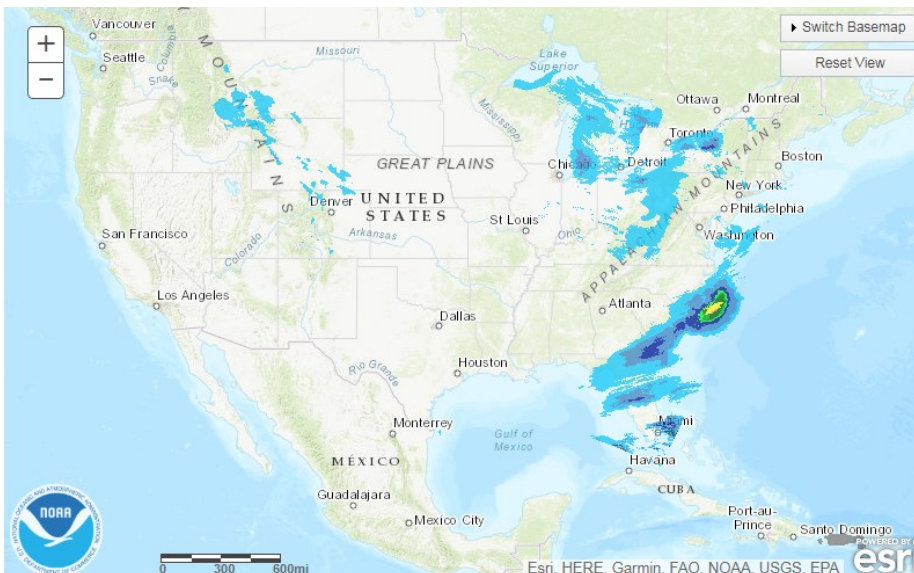
Last Week (BCF/d)

Power — +25.2

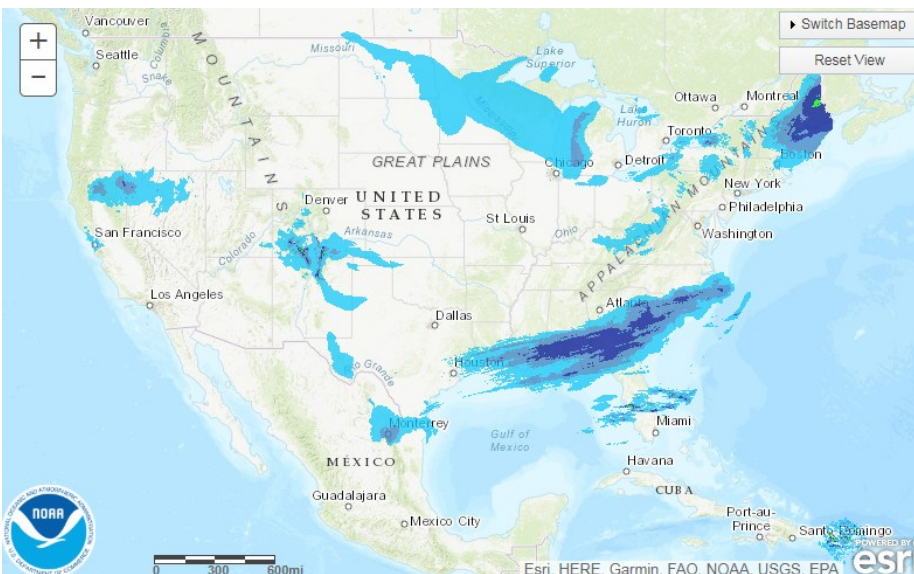
Total Demand — +109.0

[NEXT REPORT ON Mar 8]

TODAY'S PRECIPITATION



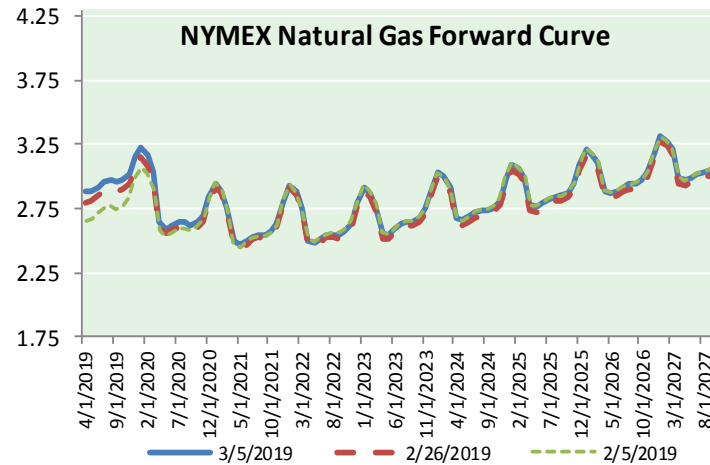
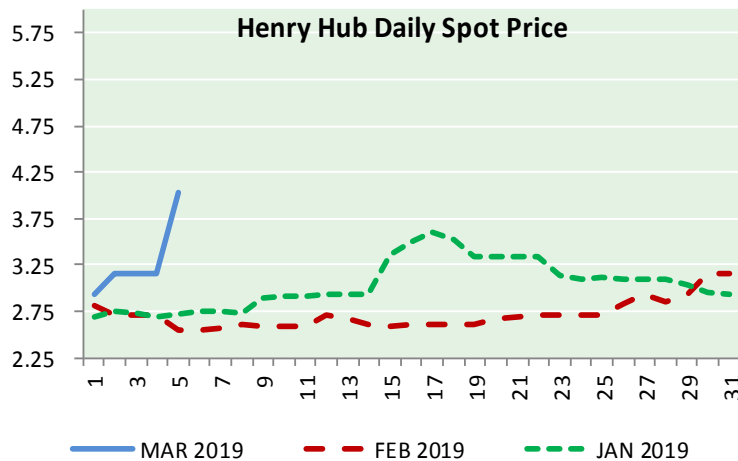
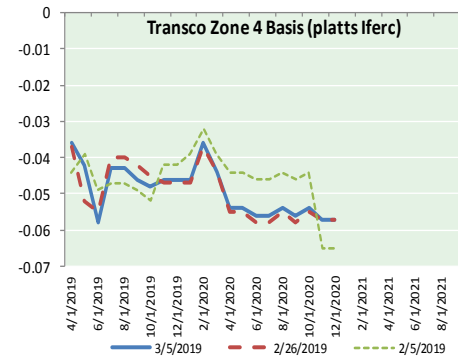
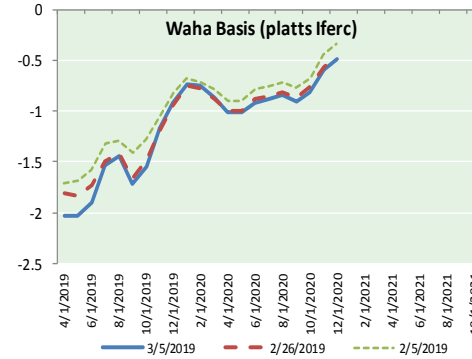
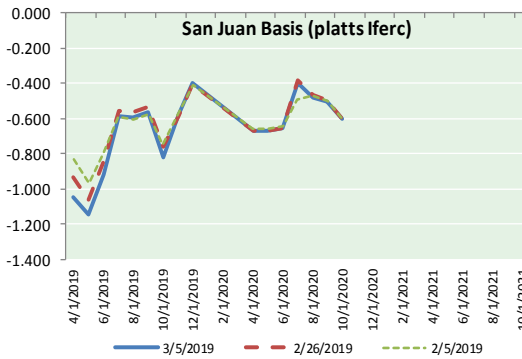
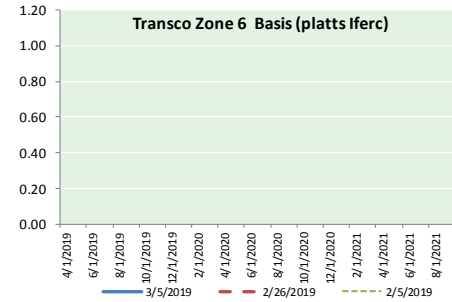
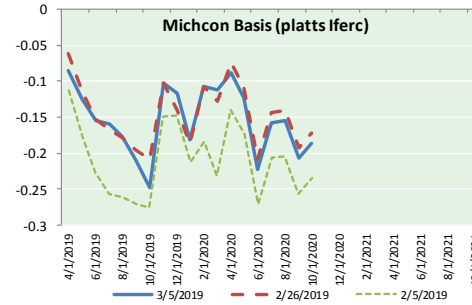
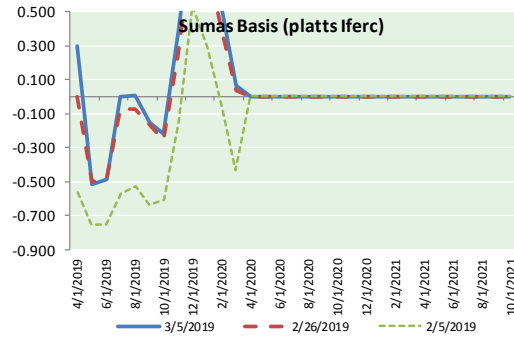
24 HOUR PRECIPITATION





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: March 2019

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

Average (Mar) 56.3167
(through 03/05/2019)

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	0.094	20.6
Jul-19			
Aug-19			
Sep-19			

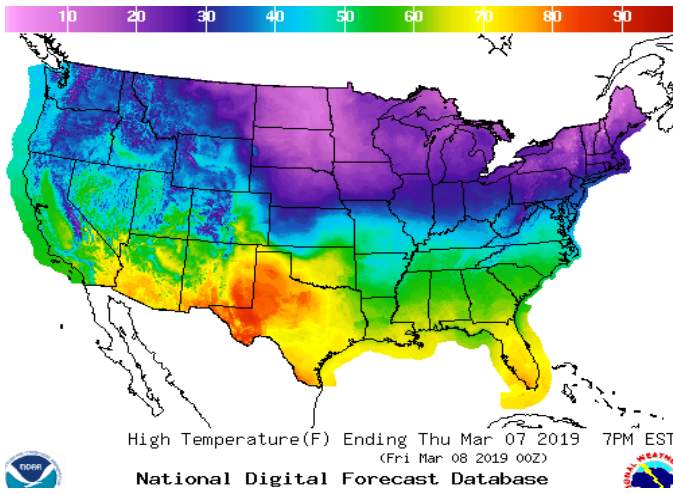
CME NG Option Prices

ATM Put

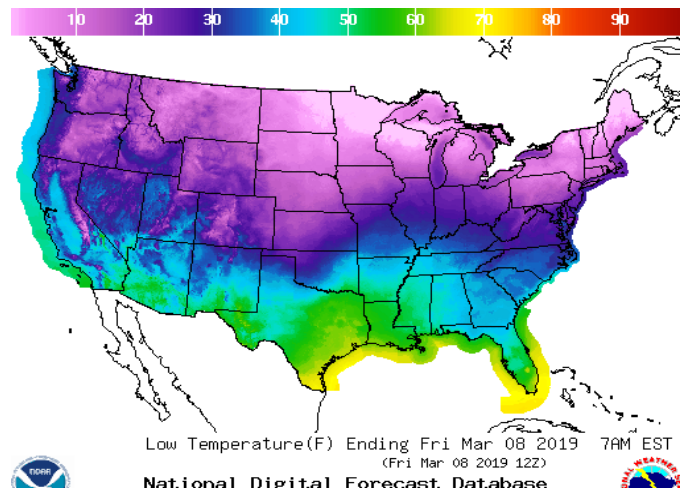
Month	Strike	Close	Imp Vol
May-19			
Jun-19	2.850	0.073	18.7
Jul-19			
Aug-19			
Sep-19			

WEATHER – HIGH / LOW TEMPERATURE TOMORROW

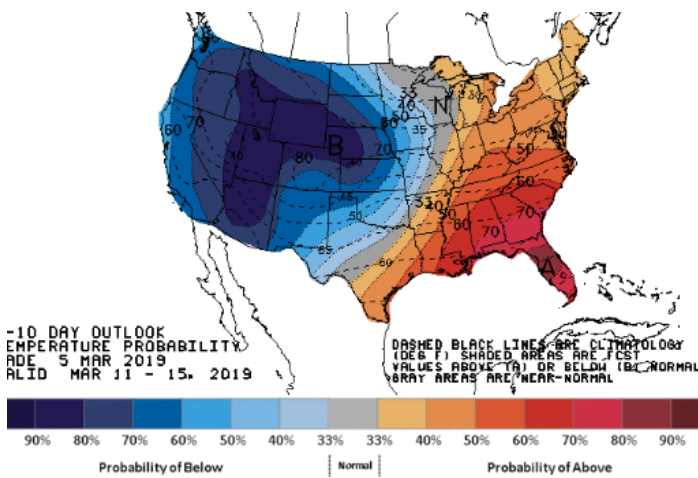
HIGH Temperature



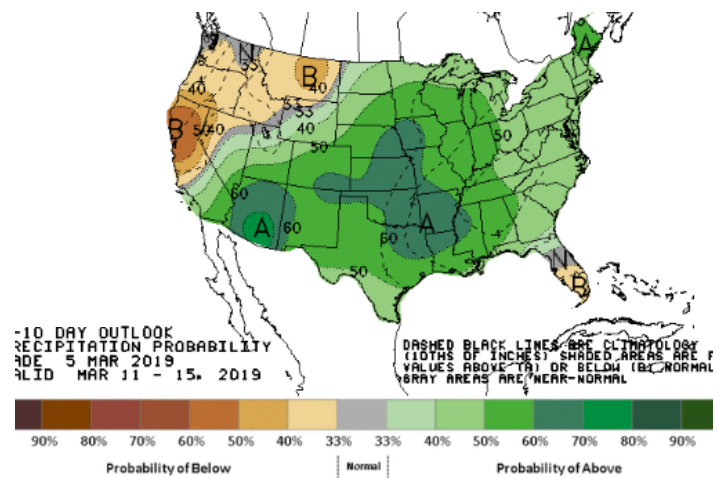
LOW Temperature



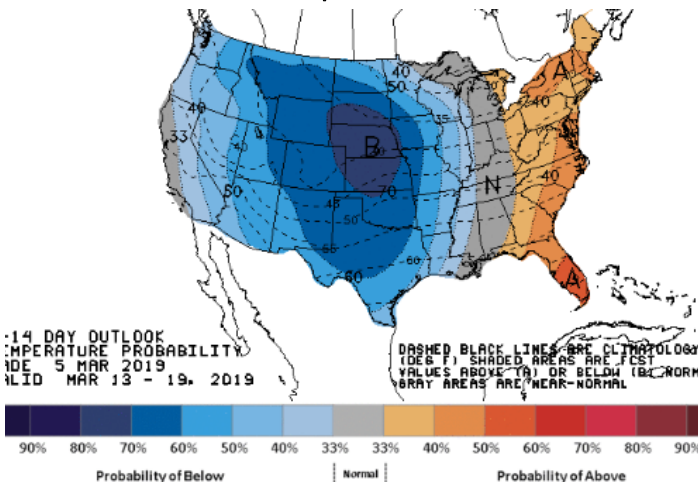
WEATHER – 6 TO 10 DAY OUTLOOK – NOAA
Temperature



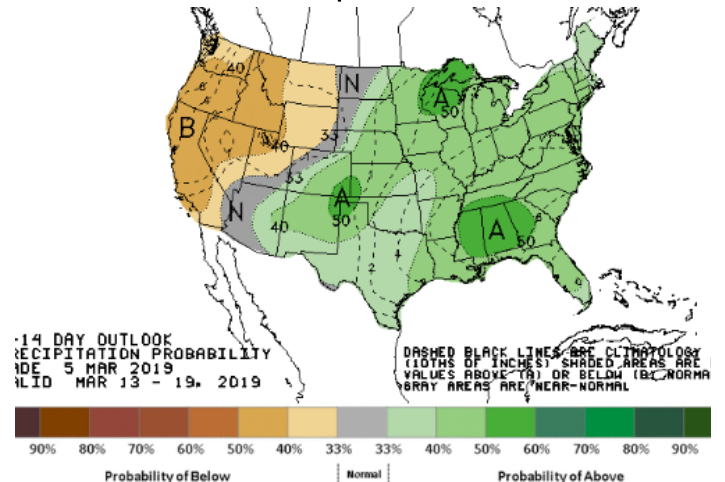
Precipitation



WEATHER – 8 TO 14 DAY OUTLOOK – NOAA
Temperature

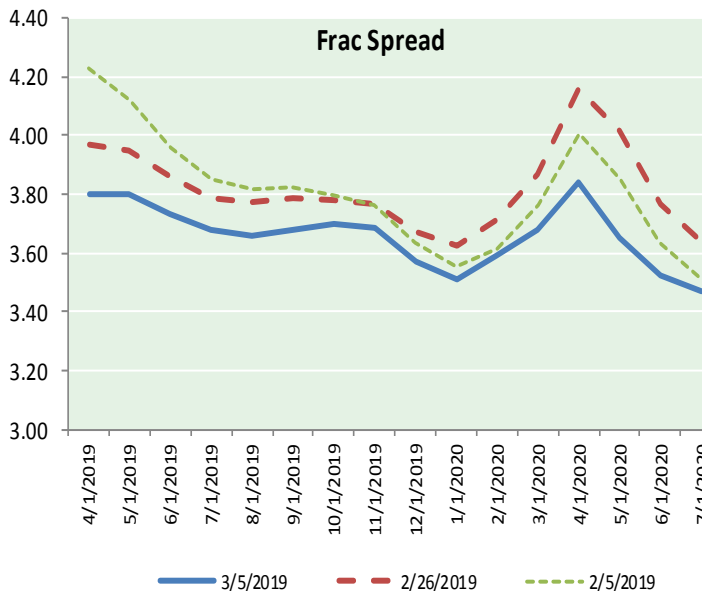
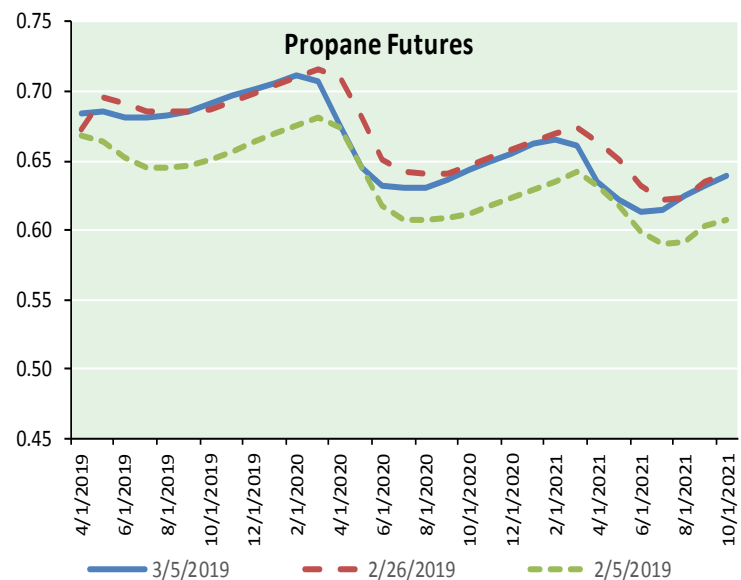
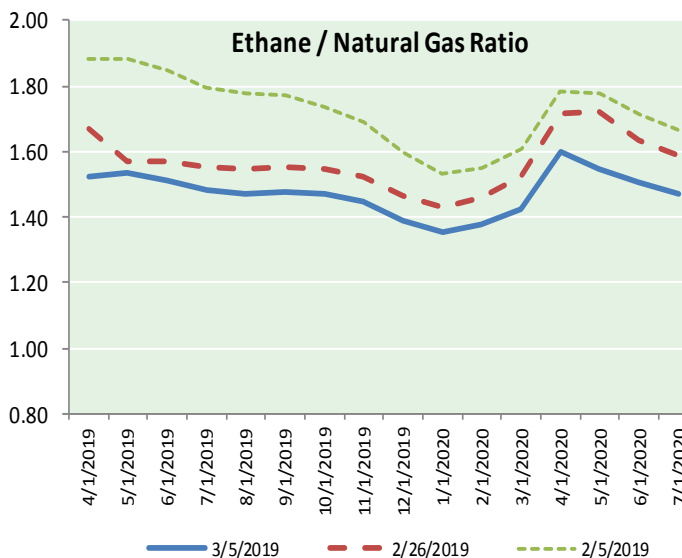
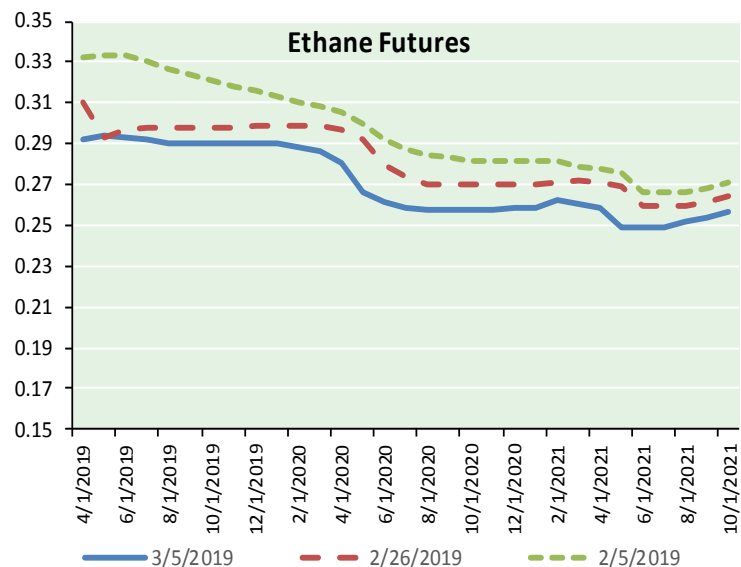


Precipitation





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



CME Future Prices

Month	Close	Change
Apr-19	0.292	0.000
May-19	0.294	0.000
Jun-19	0.293	(0.001)
Jul-19	0.292	(0.001)
Aug-19	0.291	(0.001)
Sep-19	0.290	(0.002)
Oct-19	0.290	(0.002)
Nov-19	0.290	(0.002)
Dec-19	0.290	(0.002)
Jan-20	0.290	(0.002)
Feb-20	0.289	(0.003)
Mar-20	0.286	(0.003)
1YR Strip	0.291	(0.001)

CME Future Prices

Propane (C3)
Non-LDH— Mont Belvieu

Month	Close	Change
Apr-19	0.684	0.006
May-19	0.685	0.006
Jun-19	0.682	0.005
Jul-19	0.682	0.005
Aug-19	0.683	0.004
Sep-19	0.685	0.004
Oct-19	0.691	0.004
Nov-19	0.697	0.003
Dec-19	0.702	0.003
Jan-20	0.706	0.003
Feb-20	0.711	0.003
Mar-20	0.708	0.003
1YR Strip	0.693	0.004



NATURAL GAS NEWS

Prompt WTI (CL) Crude
Daily Sentiment

BULLISH



RESISTANCE
57.14 & 57.71
SUPPORT
56.04 & 55.51

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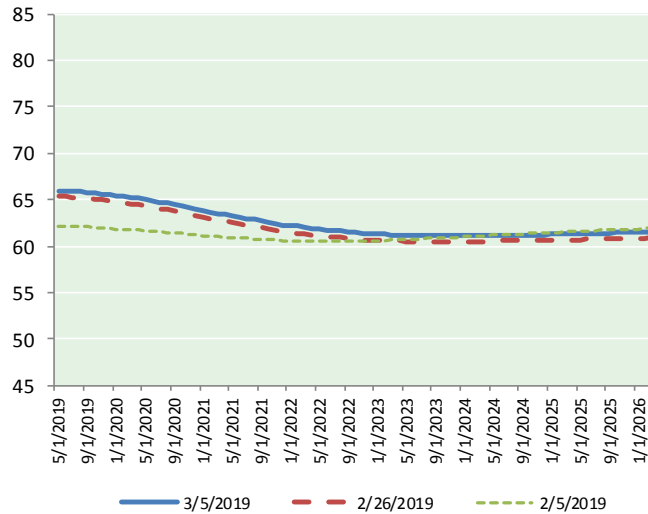
@MPG_NatGasNews

NYMEX Brent (BZ)

Futures

Month	Close	Change
Apr-19	56.56	(0.03)
May-19	56.94	(0.03)
Jun-19	57.40	(0.02)
Jul-19	57.87	(0.02)
Aug-19	58.26	(0.02)
Sep-19	58.54	(0.01)
Oct-19	58.70	(0.01)
Nov-19	58.77	(0.01)
Dec-19	58.78	0.00
Jan-20	58.72	0.00
Feb-20	58.63	0.00
Mar-20	58.51	0.00
Apr-20	58.38	0.00
May-20	58.22	0.00
Jun-20	58.08	0.01
Jul-20	57.90	0.01
Aug-20	57.73	0.02
Sep-20	57.57	0.02
Oct-20	57.41	0.01
Nov-20	57.28	0.02
Dec-20	57.16	0.02
Jan-21	56.97	0.02
Feb-21	56.78	0.02
Mar-21	56.62	0.02
1YR Strip	58.14	(0.01)
2019	57.98	(0.02)
5YR Strip	56.07	0.00

BRENT CRUDE FORWARD CURVE



FRAC Spread

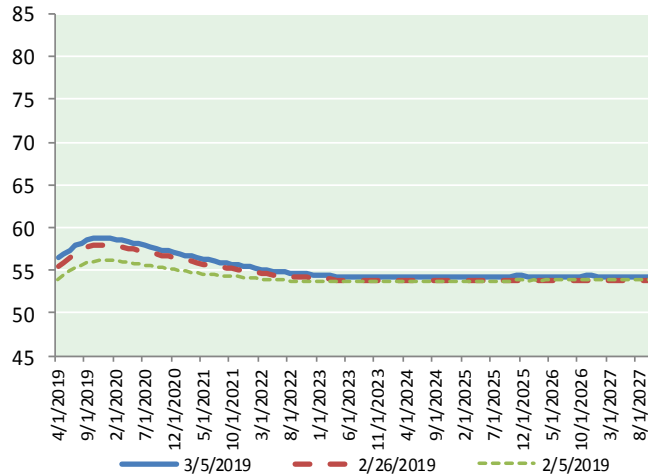
Specifications

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	0.793	0.005	
Iso-Butane	0.826	0.005	
Nat Gasoline	1.221	0.023	

WTI CRUDE FORWARD CURVE



NYMEX WTI (CL) Futures

Month	Close	Change
May-19	65.86	0.19
Jun-19	65.92	0.18
Jul-19	65.86	0.17
Aug-19	65.82	0.15
Sep-19	65.77	0.15
Oct-19	65.70	0.13
Nov-19	65.63	0.12
Dec-19	65.54	0.13
Jan-20	65.45	0.11
Feb-20	65.36	0.11
Mar-20	65.25	0.10
Apr-20	65.15	0.11
May-20	65.02	0.11
Jun-20	64.87	0.11
Jul-20	64.74	0.12
Aug-20	64.59	0.12
Sep-20	64.43	0.11
Oct-20	64.27	0.11
Nov-20	64.09	0.12
Dec-20	63.92	0.13
Jan-21	63.78	0.14
Feb-21	63.64	0.14
Mar-21	63.50	0.14
Apr-21	63.37	0.14
1YR Strip	65.61	0.14
2019	65.76	0.15
5YR Strip	62.94	0.11

WTI-BRENT SPREAD

