

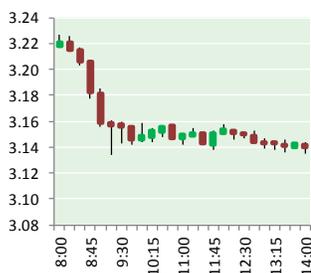
NATURAL GAS



NEWS

APRIL 4, 2017

Prior Day's NYMEX May-17 Contract (CT)



NYMEX NG Futures

Month	Close	Change
May-17	3.190	(0.062)
Jun-17	3.254	(0.050)
Jul-17	3.316	(0.043)
Aug-17	3.333	(0.035)
Sep-17	3.318	(0.031)
Oct-17	3.328	(0.026)
Nov-17	3.372	(0.018)
Dec-17	3.488	(0.010)
Jan-18	3.557	(0.010)
Feb-18	3.514	(0.009)
Mar-18	3.422	(0.008)
Apr-18	2.878	0.007
May-18	2.819	0.007
Jun-18	2.837	0.008
Jul-18	2.857	0.008
Aug-18	2.860	0.007
Sep-18	2.841	0.007
Oct-18	2.859	0.007
Nov-18	2.912	0.006
Dec-18	3.048	0.007
Jan-19	3.150	0.007
Feb-19	3.121	0.007
Mar-19	3.049	0.008
Apr-19	2.678	0.004
1YR Strip	3.331	(0.025)
2017	3.325	(0.034)
5YR Strip	2.941	0.001

IN THE NEWS

Qatar to Drill in World's Biggest Gas Field After 12-Year Freeze — Bloomberg reports: Qatar Petroleum plans to start a new development in the offshore North Field, ending a 12-year ban on new

- **Qatar to Drill in World's Biggest Gas Field After 12-Year Freeze**
- **NAmerico unveils natural gas pipeline plan to relieve Per-**

projects that allowed the company to assess how its current rate of extraction affects the giant reservoir it shares with Iran. The patch, in the southern section of the field, will have a capacity of 2 billion cubic feet per day, or 400,000 barrels of oil equivalent, and should start production in five to seven years, Chief Executive Officer Saad Sherida Al Kaabi told reporters Monday at Qatar Petroleum's headquarters in Doha. By ending the moratorium and earmarking new volumes for exports, QP is giving itself the fuel necessary to reclaim the top spot among LNG exporters it will relinquish to Australia in 2019, if it wants it. Al Kaabi said the company hasn't decided if exports will be in the form of LNG, or other products. If it goes for the super-chilled fuel, the new production can be converted to 15.3 million tons of LNG a year. Qatar currently produces about 77 million tons annually. For more visit [bloomberg.com](http://bit.ly/2oStJmM) or click <http://bit.ly/2oStJmM>

NAmerico unveils natural gas pipeline plan to relieve Permian glut—Reuters reports: NAmerico Partners LP is proposing a multi-billion-dollar pipeline to ferry natural gas from fast-growing fields in West Texas to the Gulf Coast, the company said on Monday, angling to match plans by rivals such as Kinder Morgan. The pipeline would be the first major project by NAmerico Partners, founded two years ago in Houston. The company is backed by private equity fund Cresta Energy LP, whose management includes former executives from Regency Energy Partners LP, a large energy infrastructure company that was bought by Energy Transfer Partners (ETP.N) in 2015. Demand for natural gas in south Texas and the Corpus Christi area is expected to soar in the coming years. For more visit [reuters.com](http://reut.rs/2nR17n5) or click <http://reut.rs/2nR17n5>

12 MONTH CANDLESTICK (WEEKLY)



Prompt Natural Gas (NG) Daily Sentiment

BULLISH



RESISTANCE
3.22 & 3.28

SUPPORT
3.10 & 3.06

Trading Summary

NATURAL GAS

Futures	Close	Change
NG	3.190	(0.062)
Volume	267,968	64,428
Open Int.	1,056,814	23,432

CRUDE AND GASOLINE

Futures	Close	Change
Crude	50.60	(0.36)
RBOB	1.7030	(0.0093)
Crude/NG	15.86	0.19

METALS

Futures	Close	Change
Gold	1,250.80	8.40

EQUITIES

Exchange	Close	Change
DOW	20,650.21	(13.01)
S&P 500	2,294.62	(68.10)

CURRENCY

Currency	Close	Change
EUR/USD	1.0705	(0.0018)
USD/CND	1.3445	0.0068

Contact Us



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Gainesville, GA 30501

www.mansfield.energy

info@mansfieldoil.com

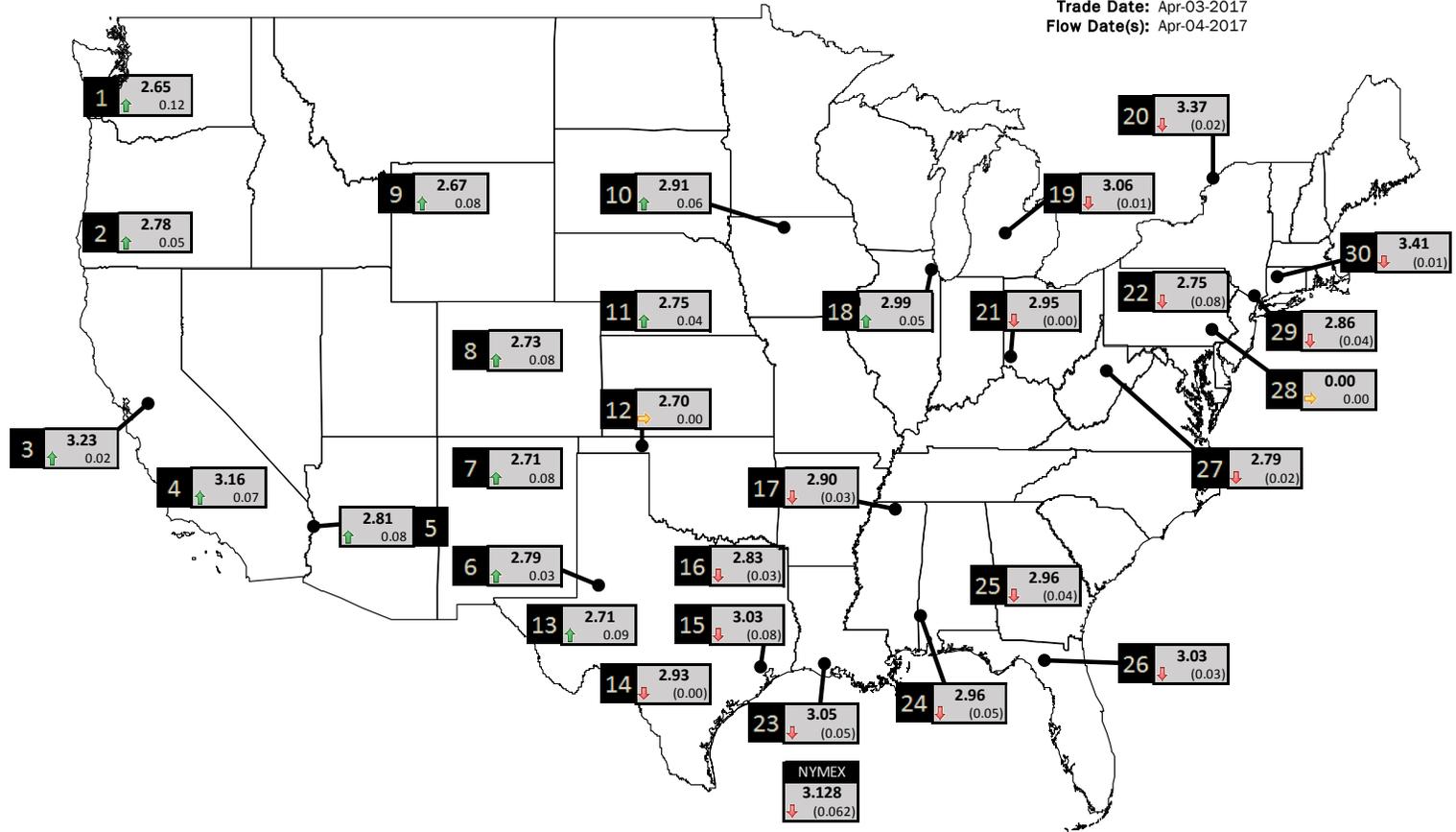
Phone: (800) 695-6626





NATURAL GAS NEWS

PHYSICAL SPOT NATURAL GAS PRICE MAP



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ID	DAILY INDEX	PRICE	CHANGE
1	Stanfield	2.65	0.12
2	Malin	2.78	0.05
3	PG&E - Citygate	3.23	0.02
4	SoCal-Citygate	3.16	0.07
5	SoCal Border	2.81	0.08
6	Waha	2.79	0.03
7	EPSJ Blanco Pool	2.71	0.08
8	Opal Plant Tailgate	2.73	0.08
9	NWP-Wyoming	2.67	0.08
10	Ventura	2.91	0.06

ID	DAILY INDEX	PRICE	CHANGE
11	NGPL-Midcont Pool	2.75	0.04
12	Panhandle	2.70	0.00
13	EP-Permian	2.71	0.09
14	TGP-ZO	2.93	(0.00)
15	Houston Ship Channel	3.03	(0.08)
16	NGPL-TXOK	2.83	(0.03)
17	TETCO-M1.30	2.90	(0.03)
18	Chicago Citygates	2.99	0.05
19	Michcon	3.06	(0.01)
20	Iroquois (into)	3.37	(0.02)

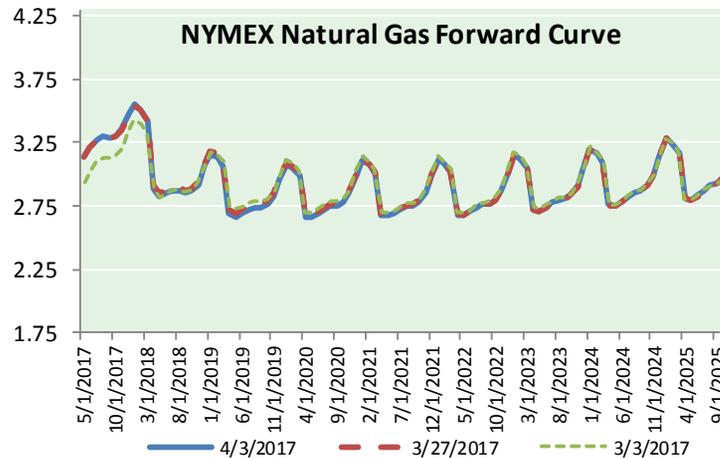
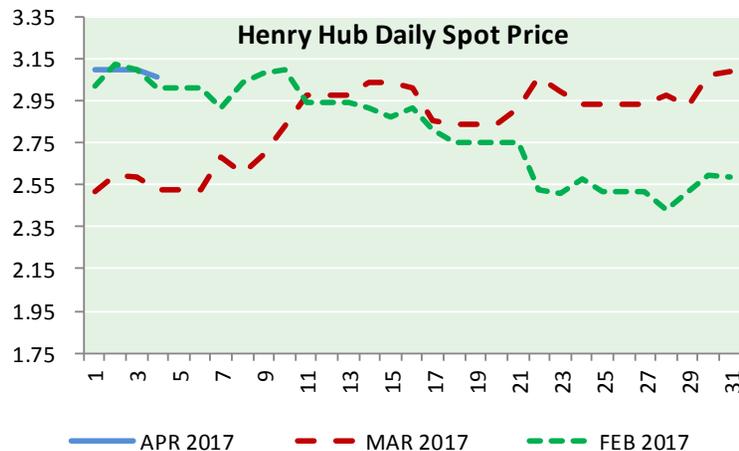
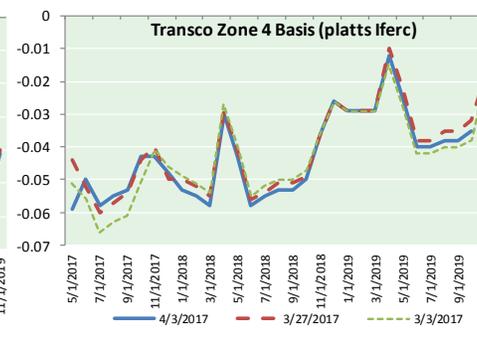
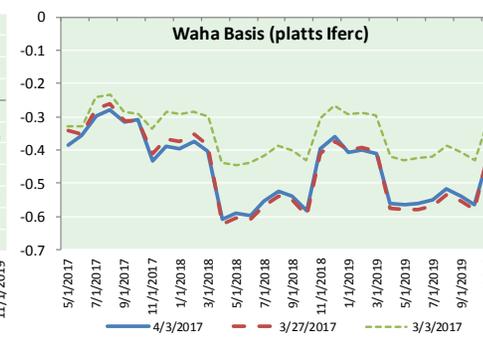
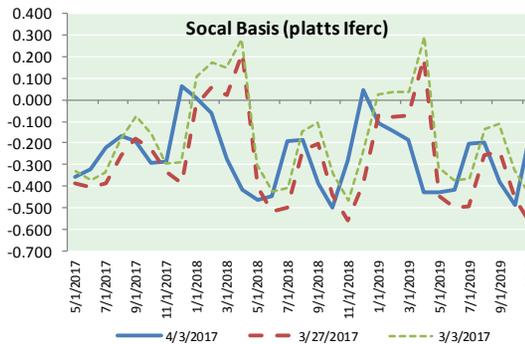
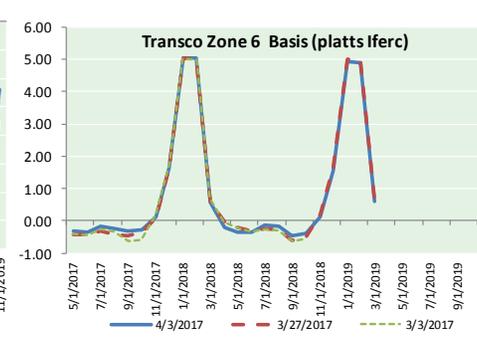
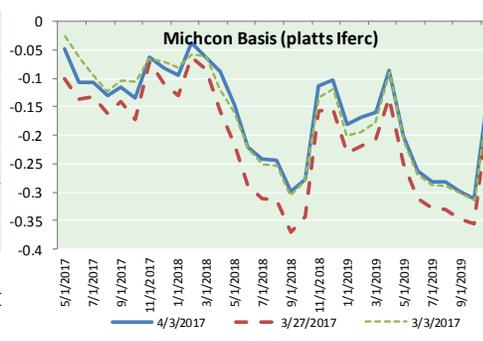
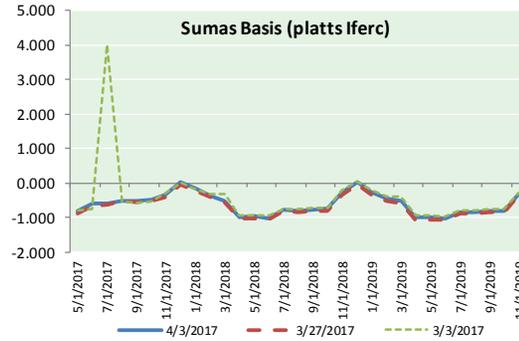
ID	DAILY INDEX	PRICE	CHANGE
21	REX E-ANR	2.95	(0.00)
22	Leidy-Transco	2.75	(0.08)
23	Henry	3.05	(0.05)
24	Transco-85	2.96	(0.05)
25	Sonat-ZO South	2.96	(0.04)
26	FGT-Z3	3.03	(0.03)
27	Dominion-South	2.79	(0.02)
28	Transco-Z6 (non-NY)	0.00	0.00
29	Transco-Z6 (NY)	2.86	(0.04)
30	Iroquois-Z2	3.41	(0.01)





NATURAL GAS NEWS

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



CME NG Option Prices

ATM Call

Month	Strike	Close	Imp Vol
May-17	3.150	0.095	30.0
Jun-17	3.250	0.148	31.9
Jul-17	3.300	0.194	30.0
Aug-17	3.350	0.213	30.0
Sep-17	3.300	0.264	30.0
Oct-17	3.350	0.274	30.0
Nov-17	3.400	0.315	31.9
Dec-17		3.150	0.1
Jan-18		3.150	0.1
Feb-18		3.150	0.1
Mar-18		3.150	0.1
Apr-18		3.150	0.1
May-18		3.150	0.1
Jun-18		3.150	0.1
Jul-18		3.150	0.1
Aug-18		3.150	0.1
Sep-18		3.150	0.1

CME NG Option Prices

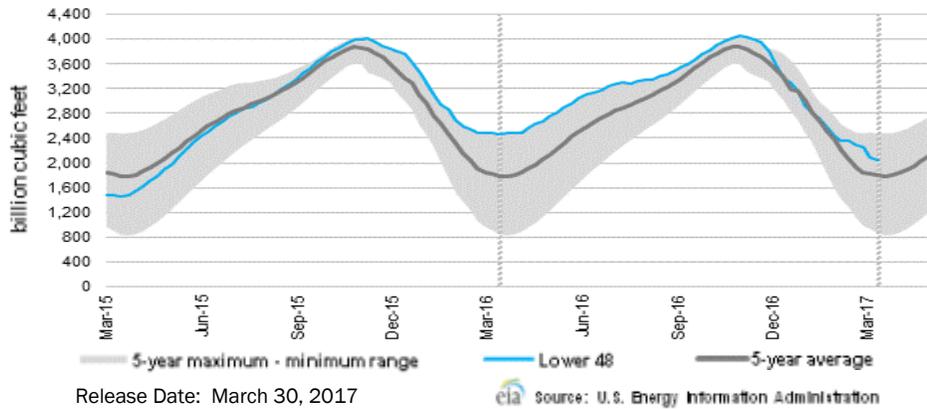
ATM Put

Month	Strike	Close	Imp Vol
May-17	3.150	0.110	37.5
Jun-17	3.250	0.190	37.5
Jul-17	3.300	0.224	35.6
Aug-17	3.350		
Sep-17	3.300		
Oct-17	3.350		
Nov-17	3.400	0.364	34.7
Dec-17		0.000	0.1
Jan-18		0.000	0.1
Feb-18		0.000	0.1
Mar-18		0.000	0.1
Apr-18		0.000	0.1
May-18		0.000	0.1
Jun-18		0.000	0.1
Jul-18		0.000	0.1
Aug-18		0.000	0.1
Sep-18		0.000	0.1

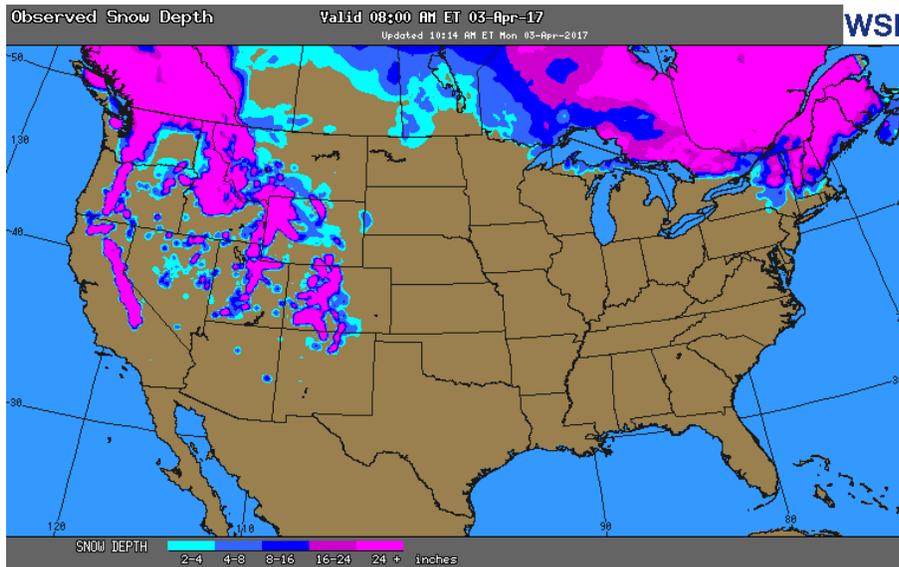


NATURAL GAS NEWS

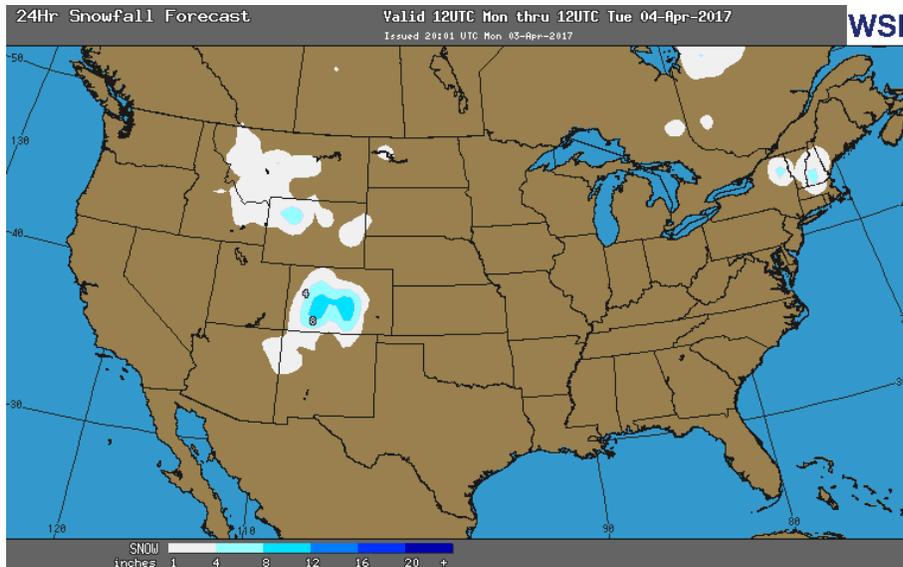
WEEKLY GAS IN UNDERGROUND STORAGE WITH 5-YR RANGE



OBSERVED SNOW DEPTH



24 HOUR SNOWFALL FORECAST



Rig Count

Report Date: March 31, 2017

	Total	Change
US -	824	+15
CN -	155	(30)

EIA Weekly NG Storage Actual and Surveys for March 24, 2017

Released March 30 2017

Range (55) to (28)

PIRA - (45)

ARM - (46)

Reuters - (42)

EIA ACTUAL - (43)

Total Working Gas In Storage

2,049 BCF

(43) BCF (LAST WEEK)

(423) BCF (LAST YEAR)

+250 BCF (5-YR AVG)

U.S. Natural Gas Supply Gas Week 3/23- 3/29

Average daily values (BCF/D):

Last Year (BCF/d)

Dry Production - +72.9

Total Supply - +77.8

Last Week (BCF/d)

Dry Production - +76.5

Total Supply - +76.2

[NEXT REPORT ON APR 6]

U.S. Natural Gas Demand Gas Week 3/23- 3/29

Average daily values (BCF/D):

Last Year (BCF/d)

Power - +22.8

Total Demand - +77.1

Last Week (BCF/d)

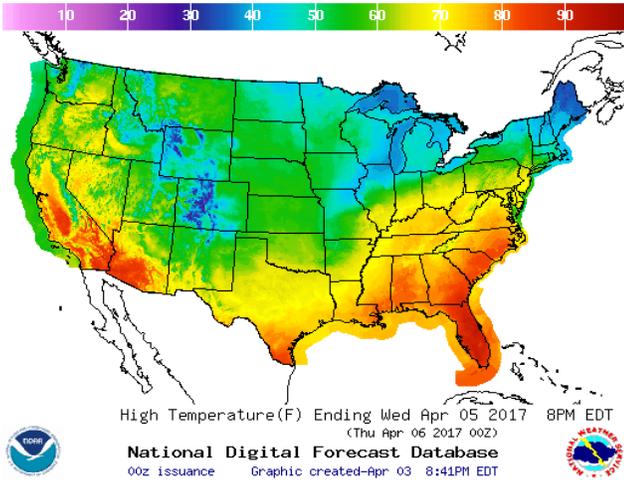
Power - +24.4

Total Demand - +82.9

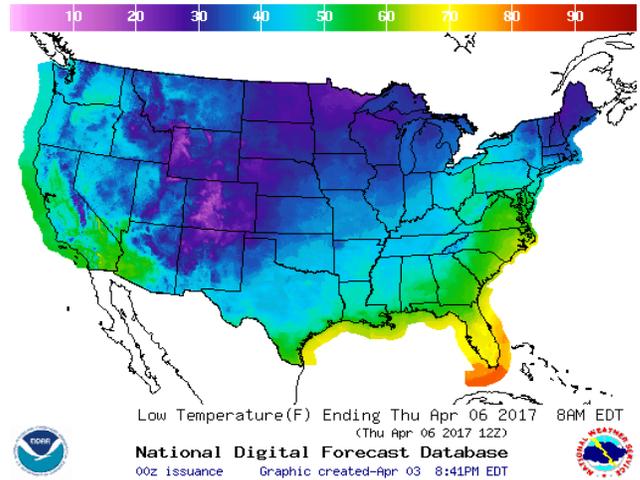
[NEXT REPORT ON APR 6]

WEATHER – HIGH / LOW TEMPERATURE TOMORROW

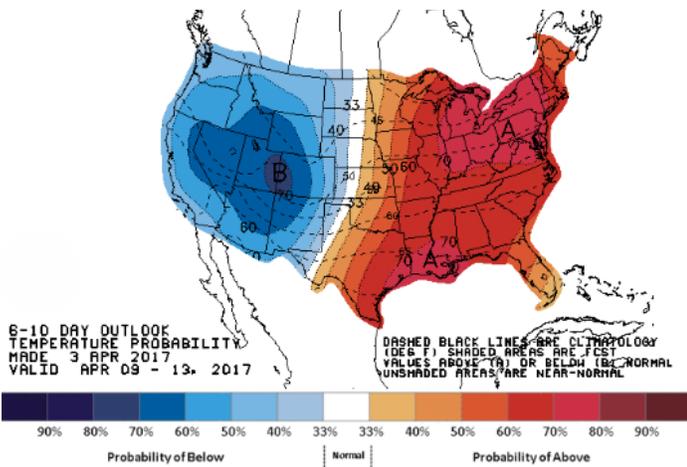
HIGH Temperature



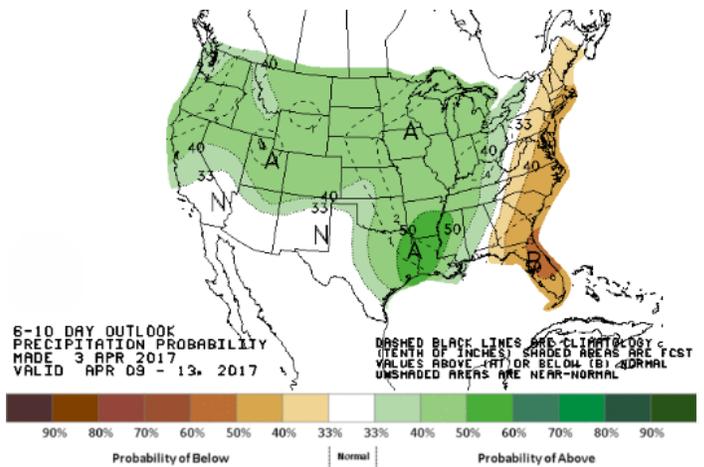
LOW Temperature



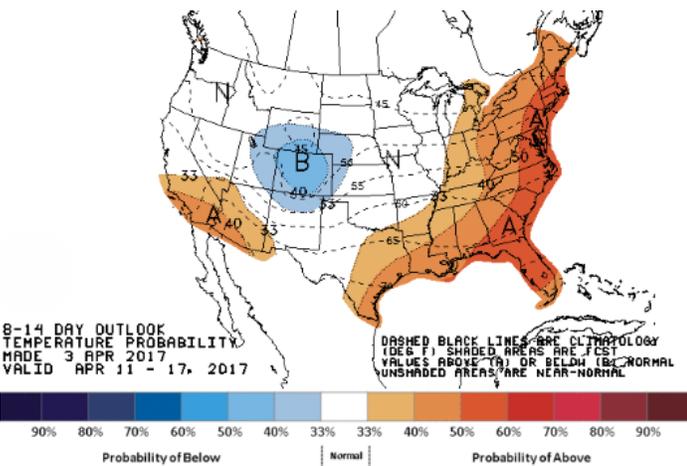
WEATHER – 6 TO 10 DAY OUTLOOK – NOAA
Temperature



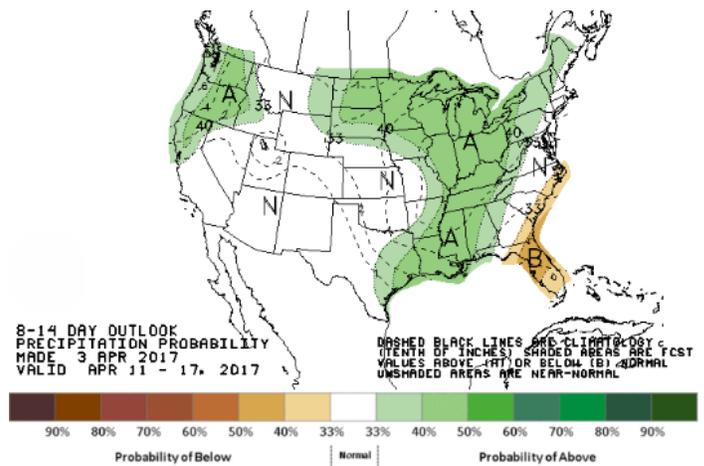
Precipitation



WEATHER – 8 TO 14 DAY OUTLOOK – NOAA
Temperature

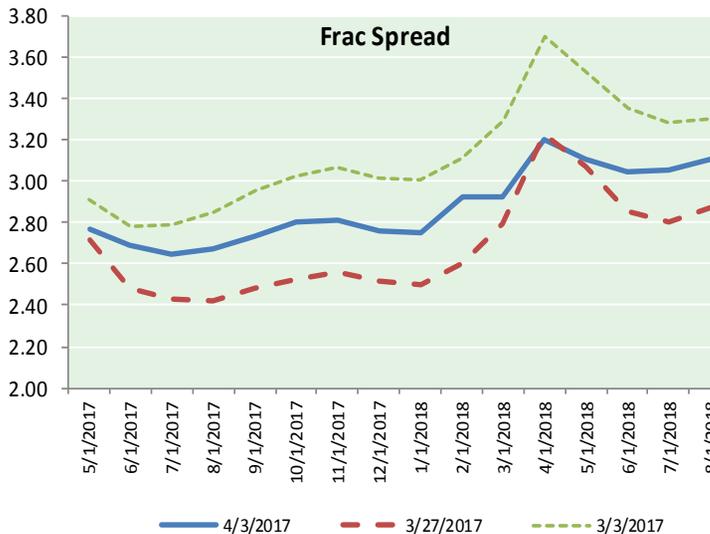
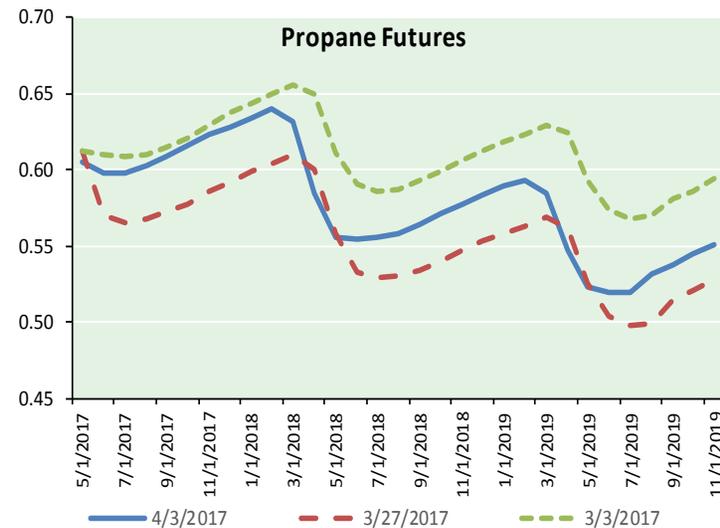
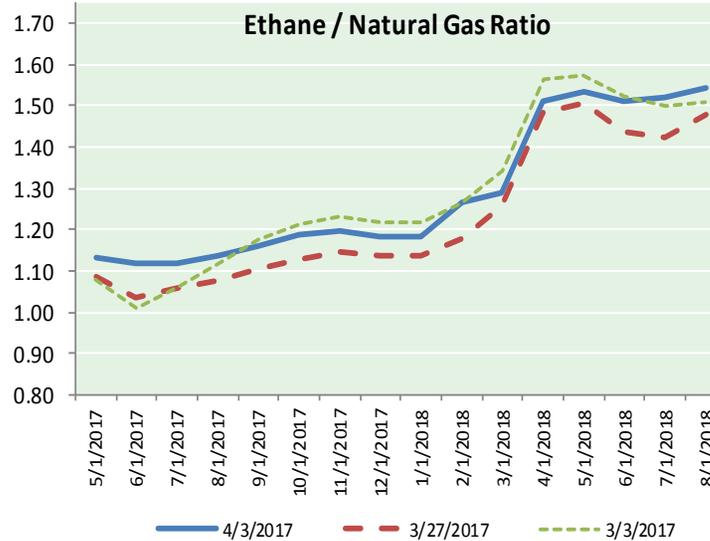
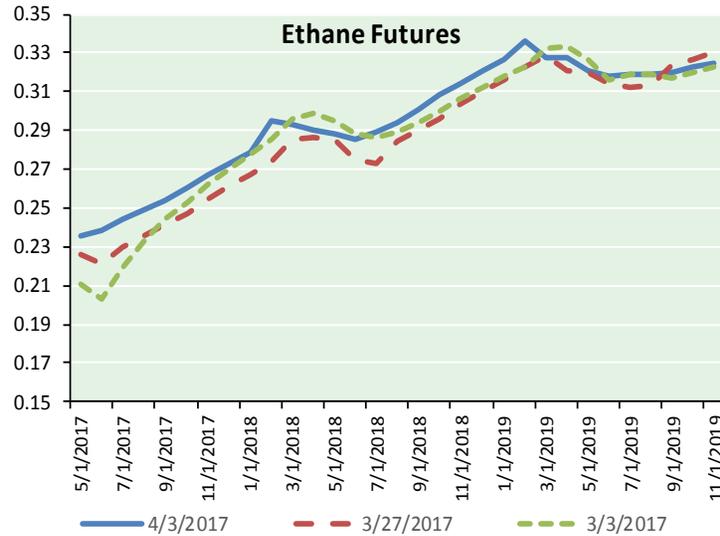


Precipitation





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



CME Future Prices

Ethane (C2)

Non-LDH— Mont Belvieu

Month	Close	Change
May-17	0.236	0.008
Jun-17	0.238	(0.003)
Jul-17	0.244	0.000
Aug-17	0.249	0.000
Sep-17	0.254	0.000
Oct-17	0.261	0.002
Nov-17	0.267	0.001
Dec-17	0.273	0.001
Jan-18	0.279	0.001
Feb-18	0.295	0.011
Mar-18	0.293	(0.006)
Apr-18	0.290	(0.009)

1YR Strip 0.265 0.001

CME Future Prices

Propane (C3)

Non-LDH— Mont Belvieu

Month	Close	Change
May-17	0.606	(0.013)
Jun-17	0.598	(0.011)
Jul-17	0.598	(0.005)
Aug-17	0.603	(0.001)
Sep-17	0.609	0.000
Oct-17	0.617	0.003
Nov-17	0.623	0.000
Dec-17	0.629	(0.000)
Jan-18	0.635	(0.001)
Feb-18	0.640	(0.001)
Mar-18	0.632	(0.015)
Apr-18	0.585	(0.053)

1YR Strip 0.614 (0.008)

NATURAL GAS NEWS



Prompt WTI (CL) Crude Daily Sentiment

BEARISH



RESISTANCE

50.75 & 51.20

SUPPORT

50.00 & 49.50

FOLLOW US ON TWITTER:



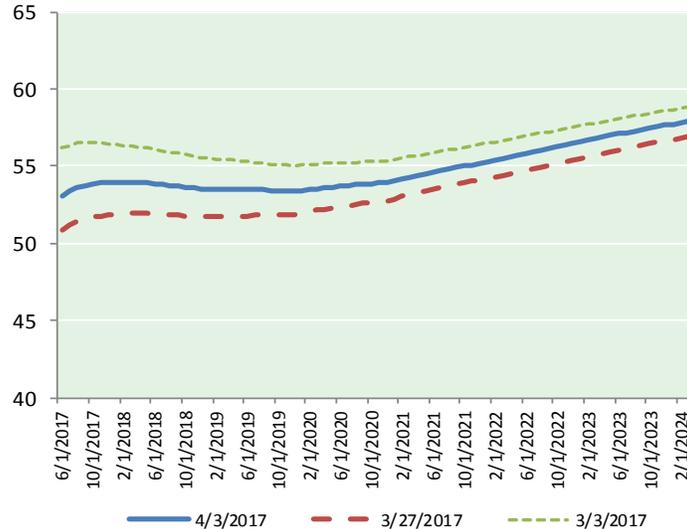
@MPG_NatGasNews

NYMEX Brent (BZ)

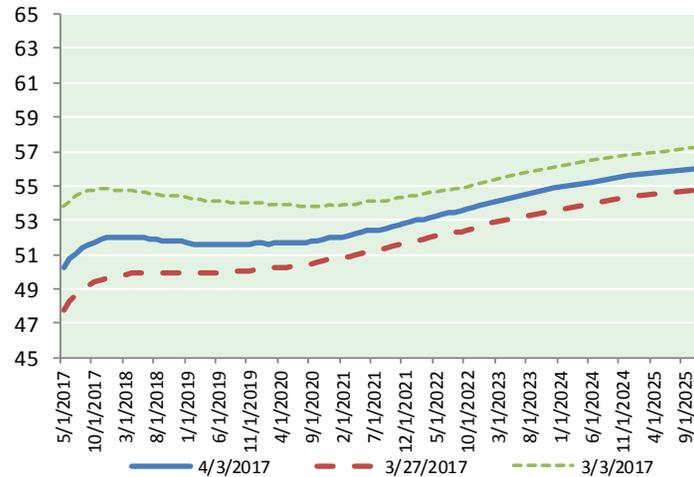
Futures

Month	Close	Change
Jun-17	53.53	(0.41)
Jul-17	53.79	(0.38)
Aug-17	53.98	(0.34)
Sep-17	54.09	(0.31)
Oct-17	54.16	(0.28)
Nov-17	54.17	(0.25)
Dec-17	54.18	(0.22)
Jan-18	54.18	(0.20)
Feb-18	54.15	(0.18)
Mar-18	54.12	(0.17)
Apr-18	54.07	(0.14)
May-18	54.01	(0.11)
Jun-18	53.93	(0.09)
Jul-18	53.87	(0.07)
Aug-18	53.81	(0.04)
Sep-18	53.75	(0.03)
Oct-18	53.66	(0.01)
Nov-18	53.57	0.02
Dec-18	53.52	0.03
Jan-19	53.50	0.04
Feb-19	53.47	0.06
Mar-19	53.45	0.07
Apr-19	53.44	0.08
May-19	53.41	0.10
1YR Strip	54.04	(0.25)
2017	53.99	(0.31)
5YR Strip	53.95	0.07

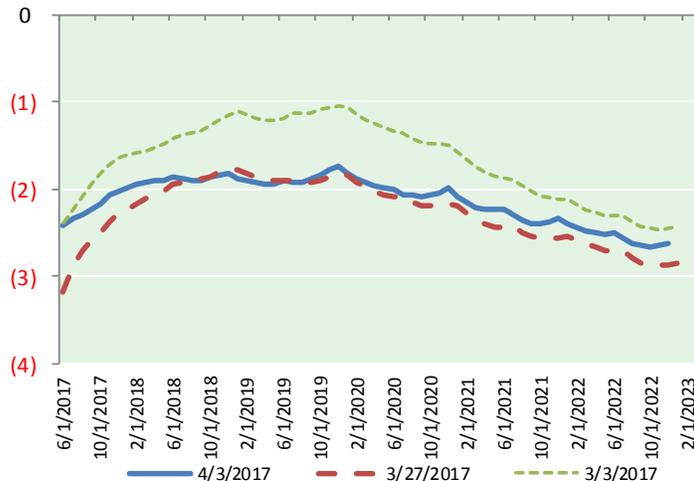
BRENT CRUDE FORWARD CURVE



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

(\$/gallon)

	May-17	Close	Change
Butane	0.739	(0.032)	
Iso-Butane	0.746	(0.014)	
Nat Gasoline	1.149	0.037	

NYMEX WTI (CL) Futures

Month	Close	Change
May-17	50.60	(0.36)
Jun-17	51.07	(0.36)
Jul-17	51.42	(0.34)
Aug-17	51.66	(0.31)
Sep-17	51.84	(0.28)
Oct-17	51.95	(0.23)
Nov-17	52.03	(0.18)
Dec-17	52.08	(0.14)
Jan-18	52.10	(0.11)
Feb-18	52.10	(0.08)
Mar-18	52.09	(0.06)
Apr-18	52.06	(0.03)
May-18	52.01	0.00
Jun-18	51.96	0.02
Jul-18	51.90	0.03
Aug-18	51.84	0.04
Sep-18	51.77	0.06
Oct-18	51.71	0.08
Nov-18	51.65	0.11
Dec-18	51.62	0.12
Jan-19	51.53	0.14
Feb-19	51.47	0.16
Mar-19	51.43	0.17
Apr-19	51.39	0.19
1YR Strip	51.75	(0.21)
2017	51.58	(0.28)
5YR Strip	51.73	0.18