



# South Jersey Energy

## Pennsylvania Division

www.openflowenergy.com

Friday, September 21, 2018

### Weekly Natural Gas Newsletter

#### Current Storage and Market Conditions

9/19/18	Projected Underground Storage <b>Injection</b> ( <b>Withdrawal</b> ) for:	Week Ending September 14, 2018	78 to 94	Bcf
9/19/18	Actual Underground Storage <b>Injection</b> ( <b>Withdrawal</b> ) for:	Week Ending September 14, 2018	86	Bcf
9/19/18	Actual Underground Storage for:	Week Ending September 14, 2018	2,722	Bcf

9/21/18	<b>October 2018 NYMEX Natural Gas Settle:</b> The final settlement day for the 10/18 NYMEX contract is 9/26/18.	\$2.977 /Dth	Up	\$0.001 /Dth
9/21/18	<b>2019 Summer Forward NYMEX Natural Gas Average:</b> (April 19 thru October 19)	\$2.643 /Dth	Down	(\$0.004) /Dth
9/21/18	<b>12 Month NYMEX Natural Gas Average:</b> (October 18 thru September 19)	\$2.832 /Dth	Up	\$0.002 /Dth
9/21/18	<b>2019 Winter Forward NYMEX Natural Gas Average:</b> (November 18 thru March 19)	\$3.033 /Dth	Up	\$0.009 /Dth

**Note: NYMEX pricing set at Henry Hub, Louisiana. These prices do not include Basis to your market area.**

#### Other Energy Futures

October 2018 Crude Oil Futures closed today @ \$70.80/bbl.

October 2018 Unleaded Gasoline Futures closed today @ \$2.017/gal.

October 2018 Heating Oil Futures closed today @ \$2.226/gal or \$15.805/Dth equivalent (\$2.226 \* 7.1).

October 2018 PJM Electricity Futures last traded @ \$38.68/MWh.

#### Contact Information

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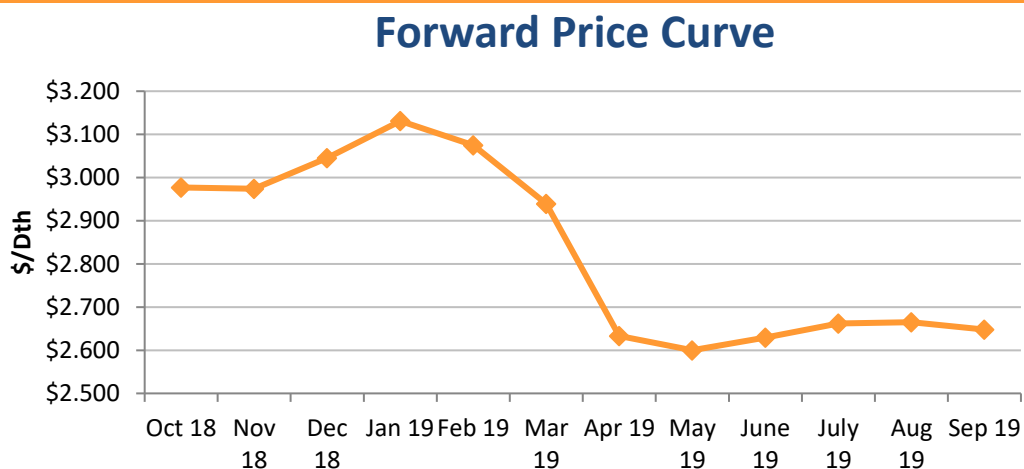
[www.openflowenergy.com](http://www.openflowenergy.com)

## Energy Information Administration (EIA) Weekly Update

For a weekly publication on natural gas conditions from the EIA, follow the link provided. [www.eia.gov/naturalgas/weekly/](http://www.eia.gov/naturalgas/weekly/)

## Forward Looking NYMEX Futures

Month	Price	+/-
Oct 18	\$2.977	\$0.001
Nov 18	\$2.974	\$0.010
Dec 18	\$3.045	\$0.014
Jan 19	\$3.131	\$0.014
Feb 19	\$3.075	\$0.008
Mar 19	\$2.939	\$0.001
Apr 19	\$2.633	(\$0.003)
May 19	\$2.600	(\$0.005)
June 19	\$2.629	(\$0.004)
July 19	\$2.662	(\$0.003)
Aug 19	\$2.665	(\$0.004)
Sep 19	\$2.648	(\$0.004)



## NYMEX Front Month Trading

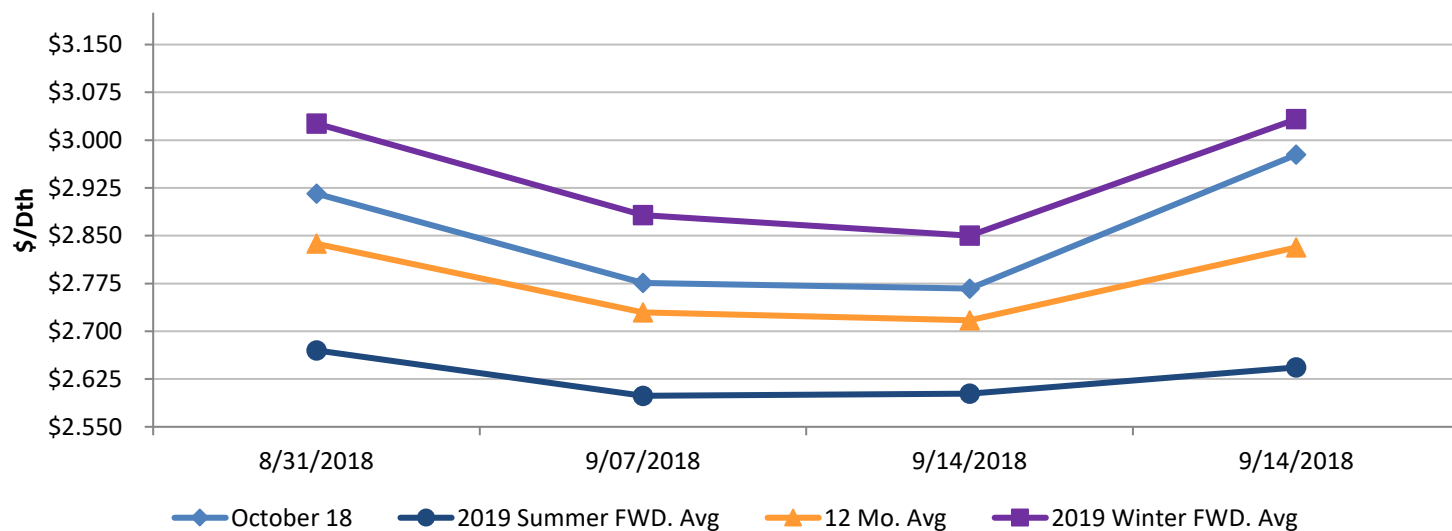
Month	Low	High
Oct 18	\$2.938	\$2.989

October 2018 NYMEX Final Trading Date: 9/26/18

*Note: Prices do not include basis.*

## Near Term Natural Gas Strips

## Near Term NYMEX



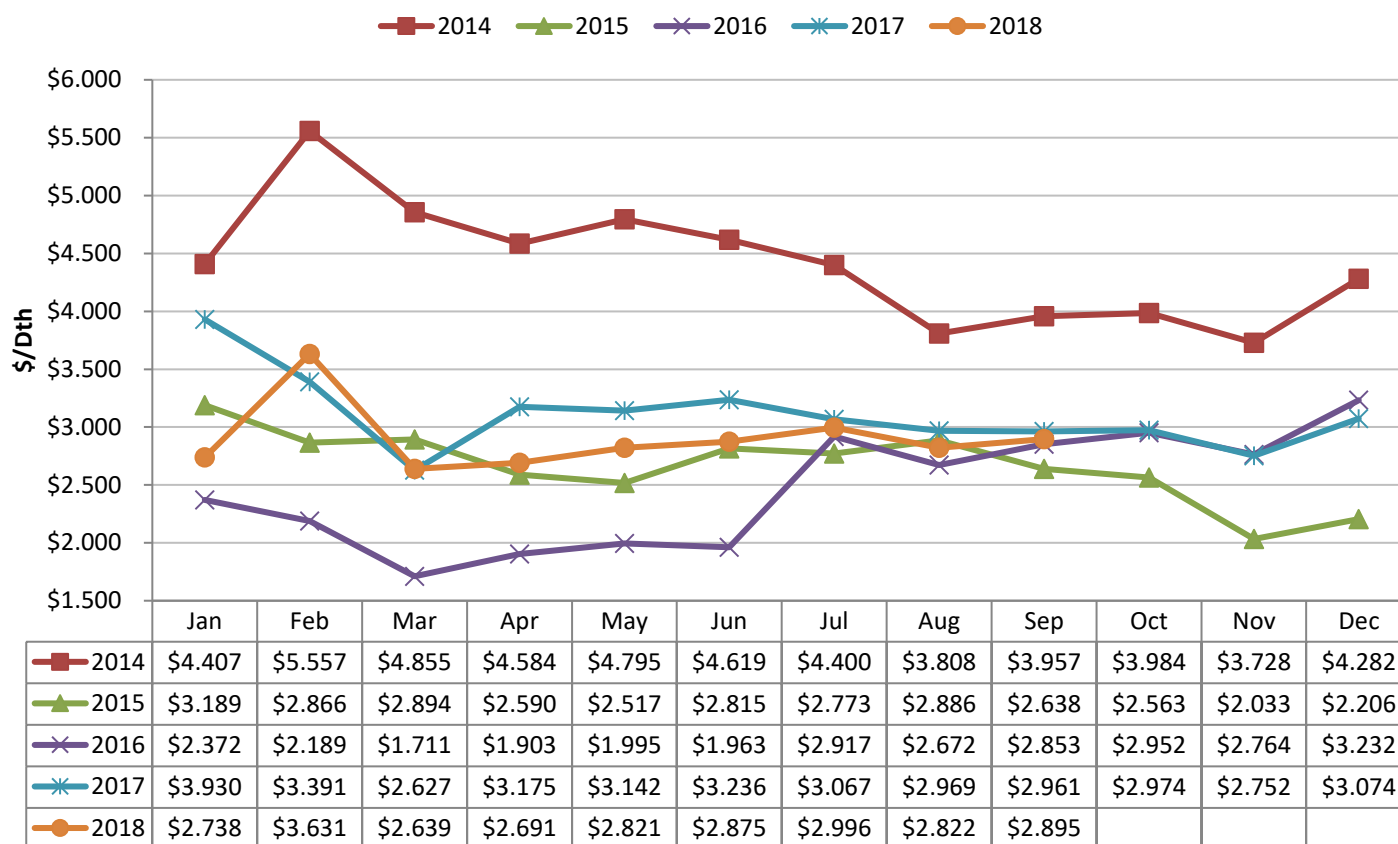
7 Month 2019 Summer Forward Average is comprised of April 2019 through October 2019.

12 Month Average is comprised of October 2018 through September 2019.

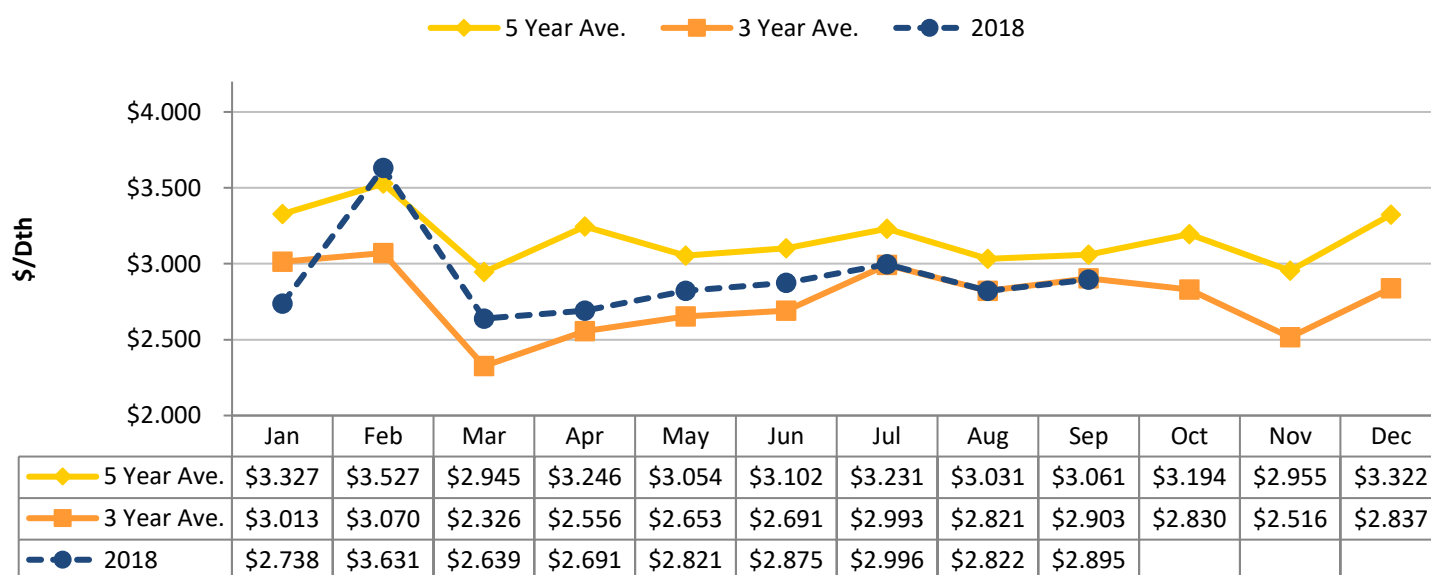
5 Month 2018/2019 Winter Forward Average is comprised of November 2018 through March 2019.

## Historical NYMEX Settlements

## Historical NYMEX Natural Gas Futures Final Settlement Prices



## Average Historical Settlement Comparison



## Current Storage Conditions

### Underground Injection/Withdrawal for:

Time Frame	+/-	
Current Week	86	Bcf
Prior Year	96	Bcf
Five Year Average	76	Bcf

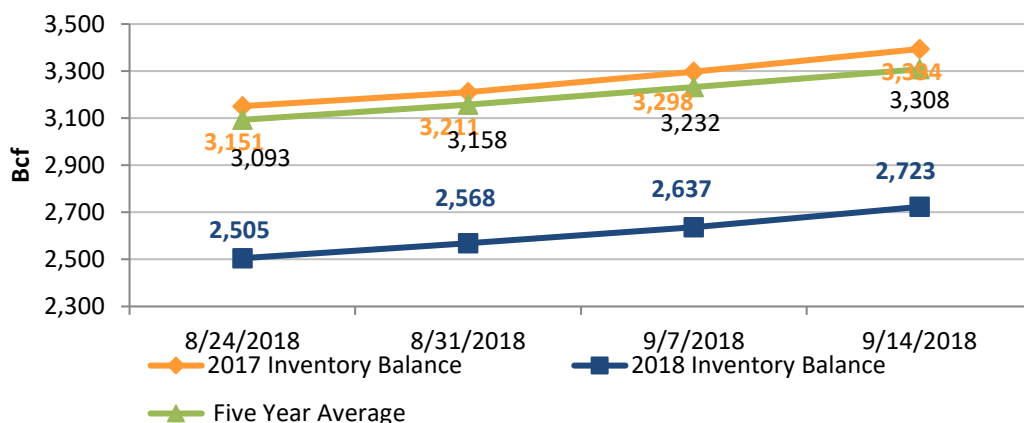
### Regional Breakdown for Storage:

Region	9/14	9/07	+/-	
East	709	679	30	Bcf
Midwest	770	734	36	Bcf
Mountain	170	166	4	Bcf
Pacific	255	250	5	Bcf
South Central	818	806	12	Bcf
Total	2,722	2,635	87	Bcf

## Summary

Working gas in storage was 2,722 Bcf as of September 14, 2018, according to EIA estimates. This represents a net Increase of 86 Bcf from the previous week. Stocks were 672 Bcf (19.80 %) less than last year at this time at 3,394 Bcf and 586 Bcf (17.71%) below the 5-year average of 3,308 Bcf.

### Storage Inventory Balance 2017 vs. 2018 vs. 5 yr Avg

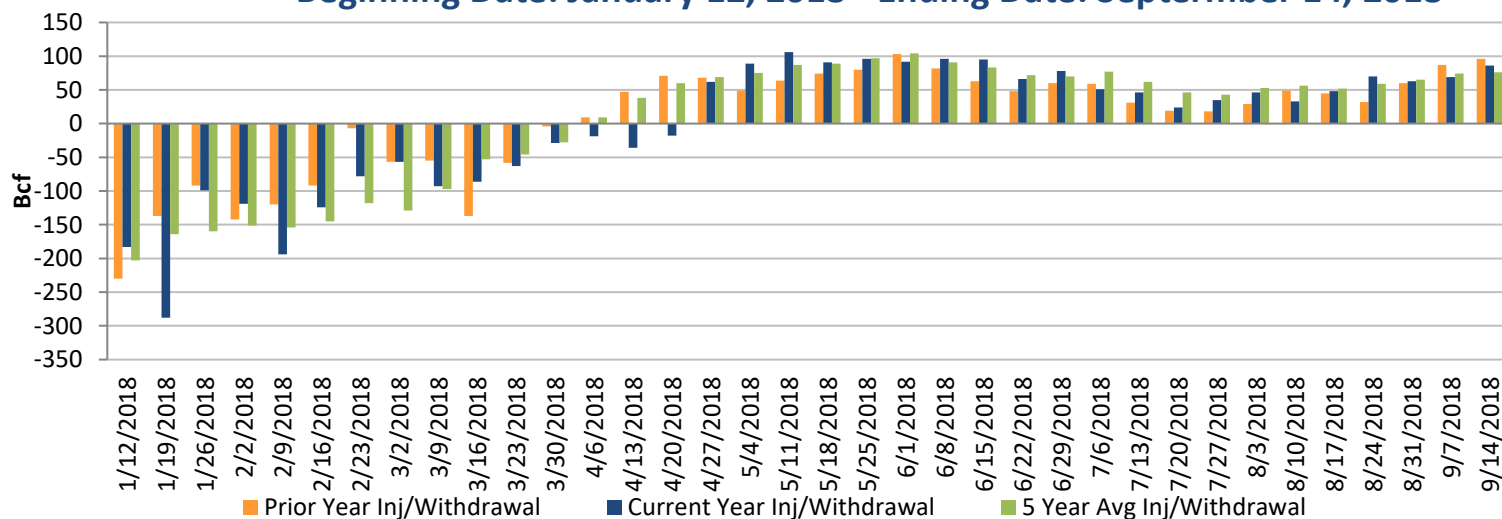


**Note: Storage accounts only for the Lower 48**

## Historical Injection/Withdrawal Figures

### Weekly Storage Release Data

Beginning Date: January 12, 2018 - Ending Date: September 14, 2018



Source for Storage Information: "Weekly Natural Gas Storage Report." Energy Information Administration - EIA's Information Releases Website.  
Eia.gov, <<http://ir.eia.gov/ngs/ngs.html>>.

## Natural Gas Rig Data

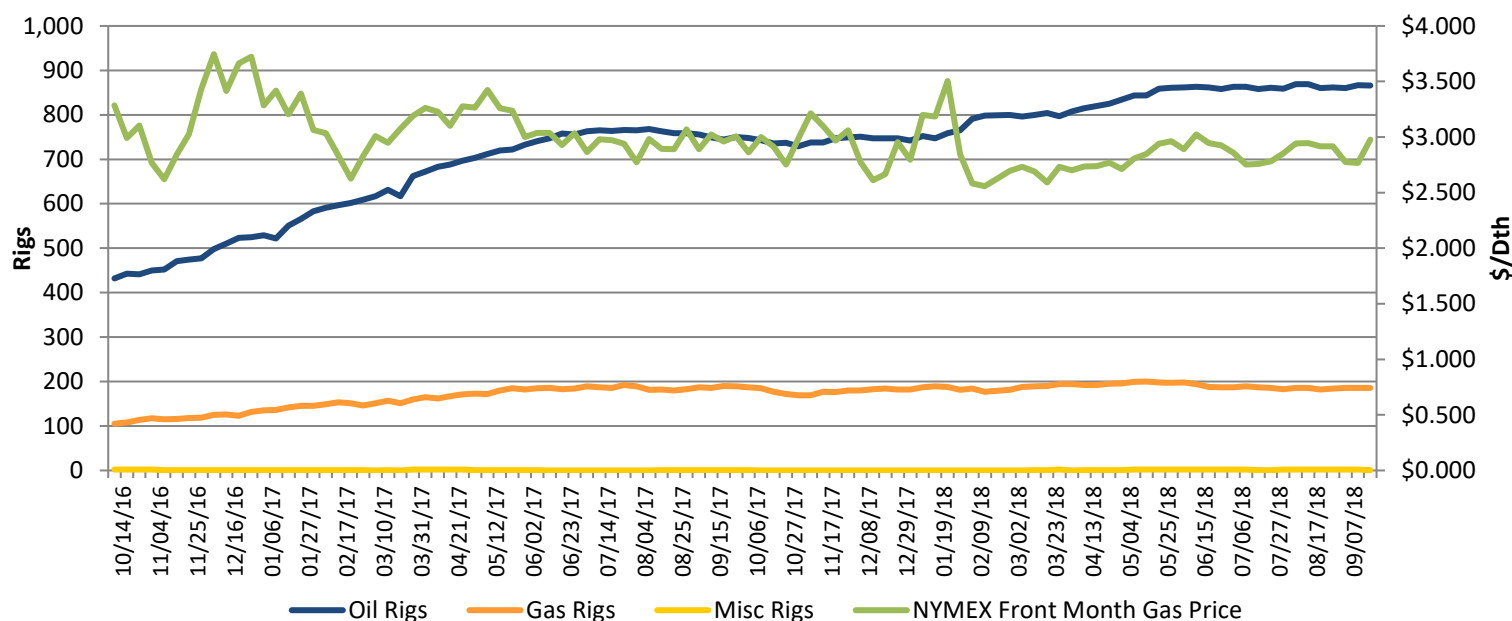
## Comparison of U.S. Natural Gas Rig Counts

Rig Count	9/21	9/14	+/-
Current Year	186	186	0
Previous Year	190	187	3
+/-	-4	-1	

The U.S. Natural Gas Rig Count is comprised of Directional, Horizontal, and Vertical Rigs in use.  
Data obtained from Baker Hughes Inc.

## Rig Count/NYMEX

## Two Year U.S. Rig Count and NYMEX Natural Gas Futures



## Temperature/Tropical Forecasts

**Short Term NOAA Temperature Probability (9/21/18):**

6-10 Day: A strong cold front will settle in the central US as the eastern and western US will see above normal temperatures.

8-14 Day: A strong cold front will settle in the central US as the eastern and western US will see above normal temperatures.

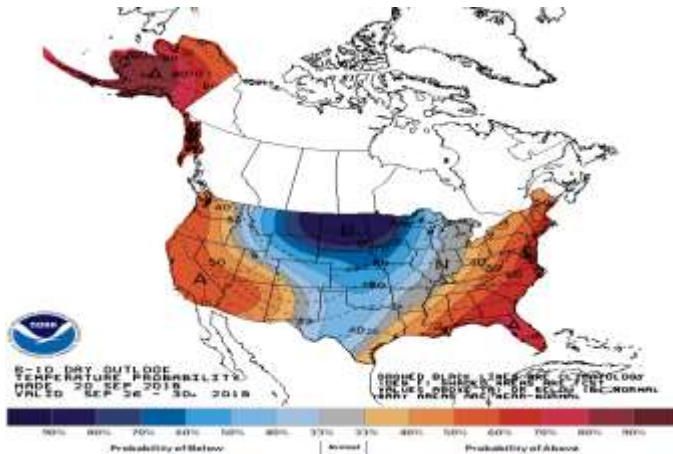
**Long Term 90 Day NOAA Temperature Outlook Probability (9/20/18):**

Most of the US will experience above normal temperatures looking at the long range forecast.

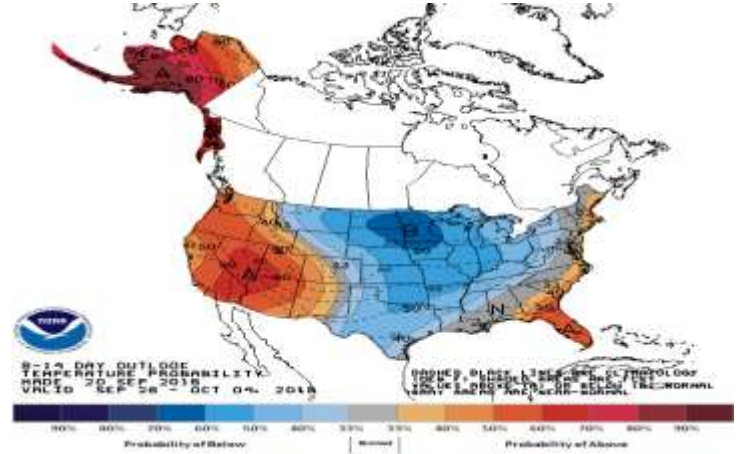
Source for Rig Data: "North American Rotary Rig Counts - Current Weekly Data." BakerHughes.com. Baker Hughes Incorporated, Web.  
<[http://investor.shareholder.com/bhi/rig\\_counts/rc\\_index.cfm](http://investor.shareholder.com/bhi/rig_counts/rc_index.cfm)>.

Source Tropical Outlook: "Atlantic Tropical Weather Outlook." nhc.noaa.gov. National Oceanic Atmospheric Administration, Web.  
<<http://www.nhc.noaa.gov/text/refresh/MIATWOAT+.shtml/131312.shtml>>.

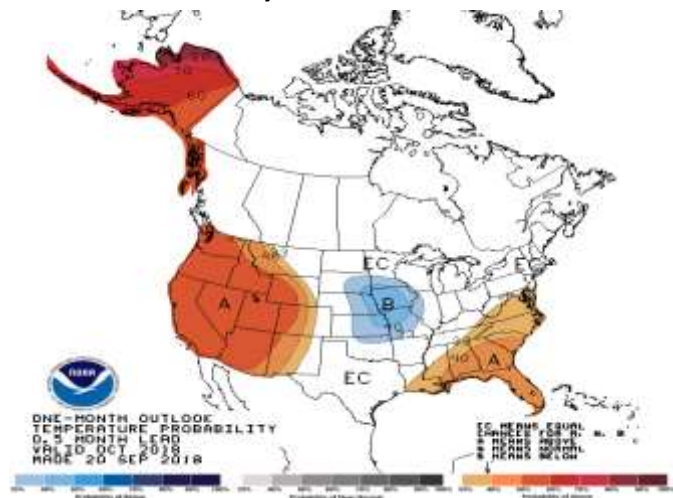
## Temperature Maps



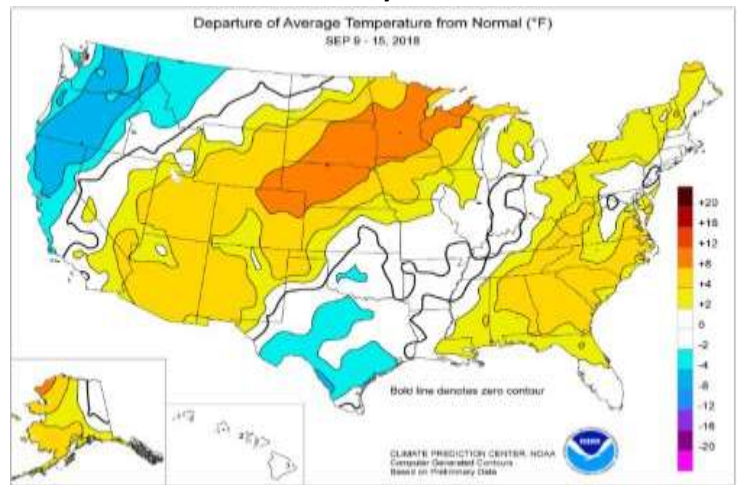
6-10 Day Outlook



8-14 Day Outlook

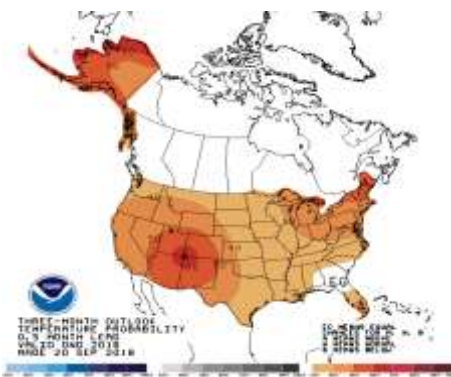


One Month Outlook



Previous Week Departure from Normal

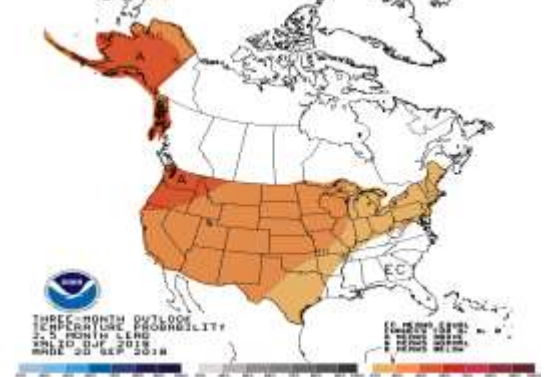
### Three Month Outlook



October-November-December



November-December-January '19



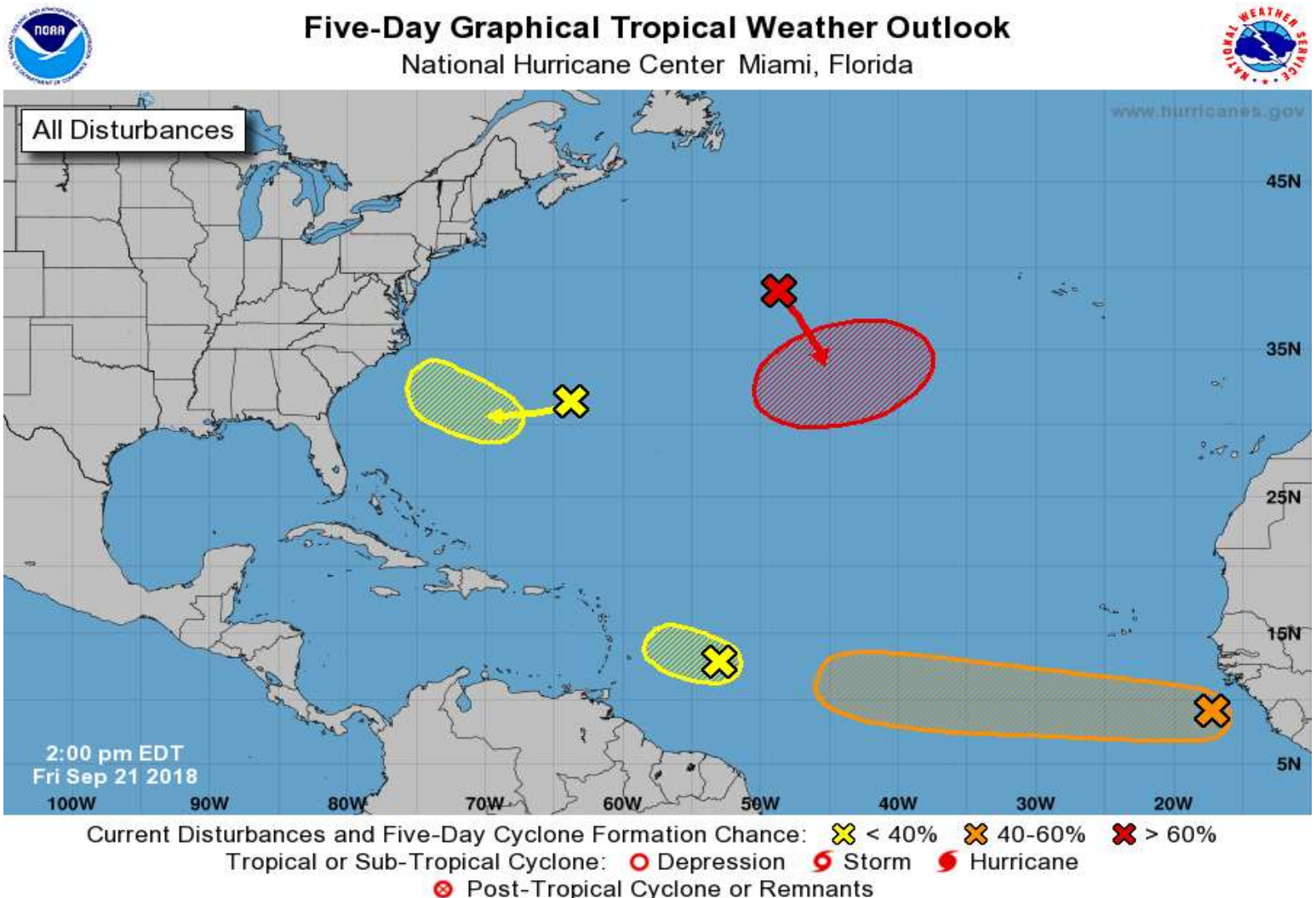
December-January-February '19

Source for Weather Maps: "Outlook Maps, Graphs and Tables." [nws.noaa.gov](http://www.nws.noaa.gov). National Oceanic Atmospheric Administration, Web.  
<<http://www.cpc.ncep.noaa.gov/products/forecasts/>>.



**Atlantic Basin Tropical Outlook:**

Four disturbances are churning in the Atlantic. A 70% chance indicated in **red** on the map could strengthen but no storm track is forecasted as of yet. The two **yellow** markers indicate somewhat low probabilities of further development at 30% chance or less. The **orange** marker has more favorable conditions for development into a tropical cyclone in the coming days as it tracks westward towards the Cabo Verde Islands. Impact to the US is undetermined at this time.



National Hurricane Center - Atlantic Tropical Cyclone

[www.NHC.noaa.gov](http://www.NHC.noaa.gov)

Source for Weather Maps: "Outlook Maps, Graphs and Tables." [nws.noaa.gov](http://nws.noaa.gov). National Oceanic Atmospheric Administration, Web.  
<<http://www.cpc.ncep.noaa.gov/products/forecasts/>>.

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