



# South Jersey Energy

## Pennsylvania Division

BE ADVISED THAT THIS REPORT IS EARLY THIS WEEK DUE TO THE THANKSGIVING HOLIDAY.

www.openflowenergy.com

Wednesday, November 21, 2018

### Weekly Natural Gas Newsletter

#### Current Storage and Market Conditions

11/21/18	Projected Underground Storage Injection (Withdrawal) for:	Week Ending November 16, 2018	-105 to -122	Bcf
11/21/18	Actual Underground Storage Injection (Withdrawal) for:	Week Ending November 16, 2018	-134	Bcf
11/21/18	Actual Underground Storage for:	Week Ending November 16, 2018	3,113	Bcf

11/21/18	<b>December 2018 NYMEX Natural Gas Settle:</b> The final settlement day for the 12/18 NYMEX contract is 11/28/18.	\$4.451 /Dth	Down	(\$0.072) /Dth
11/21/18	<b>2019 Summer Forward NYMEX Natural Gas Average:</b> (April 19 thru October 19)	\$2.731 /Dth	Down	(\$0.007) /Dth
11/21/18	<b>12 Month NYMEX Natural Gas Average:</b> (December 18 thru November 19)	\$3.271 /Dth	Down	(\$0.017) /Dth
11/21/18	<b>2019 Winter Diminishing NYMEX Natural Gas Average:</b> (December 18 thru March 19)	\$4.351 /Dth	Down	(\$0.038) /Dth

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

#### Other Energy Futures

January 2019 Crude Oil Futures closed today @ \$54.63/bbl.  
 December 2018 Unleaded Gasoline Futures closed today @ \$1.511/gal.  
 December 2018 Heating Oil Futures closed today @ \$1.97/gal or \$13.987/Dth equivalent (\$1.97 \* 7.1).  
 December 2018 PJM Electricity Futures last traded @ \$56.44/MWh.

#### Contact Information

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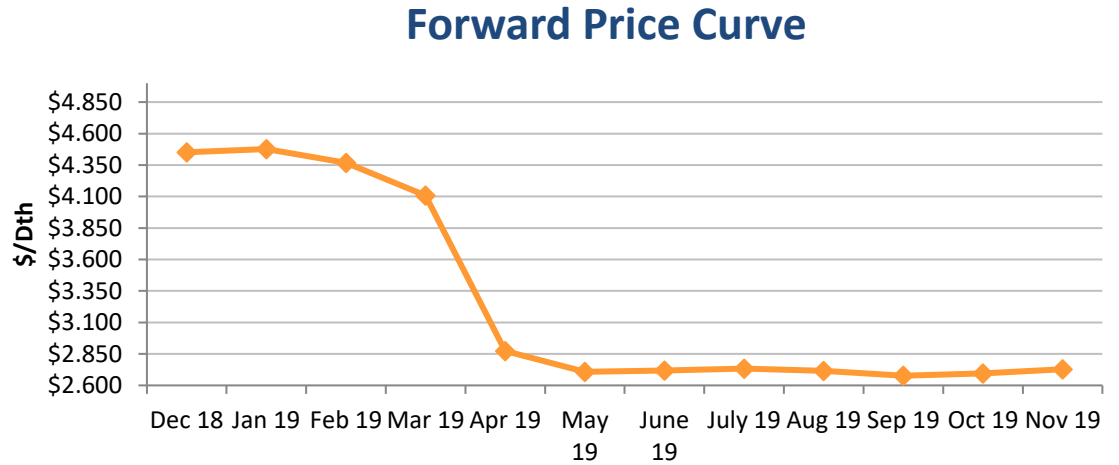
**Website:**  
[www.openflowenergy.com](http://www.openflowenergy.com)

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	+/-
Dec 18	\$4.451	(\$0.072)
Jan 19	\$4.477	(\$0.044)
Feb 19	\$4.368	(\$0.018)
Mar 19	\$4.108	(\$0.017)
Apr 19	\$2.872	(\$0.009)
May 19	\$2.707	(\$0.003)
June 19	\$2.719	(\$0.006)
July 19	\$2.733	(\$0.008)
Aug 19	\$2.716	(\$0.004)
Sep 19	\$2.677	(\$0.008)
Oct 19	\$2.695	(\$0.008)
Nov 19	\$2.728	(\$0.010)



NYMEX Front Month Trading

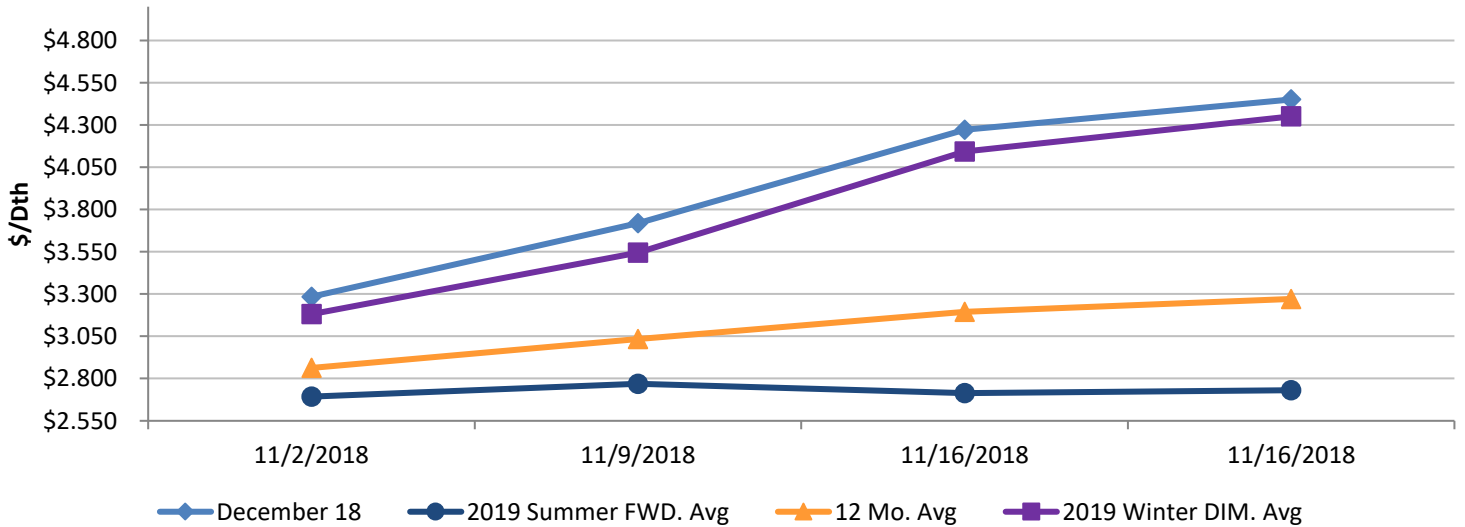
Month	Low	High
Dec 18	\$4.430	\$4.864

December 2018 NYMEX Final Trading Date: 11/28/18

Note: Prices do not include basis.

Near Term Natural Gas Strips

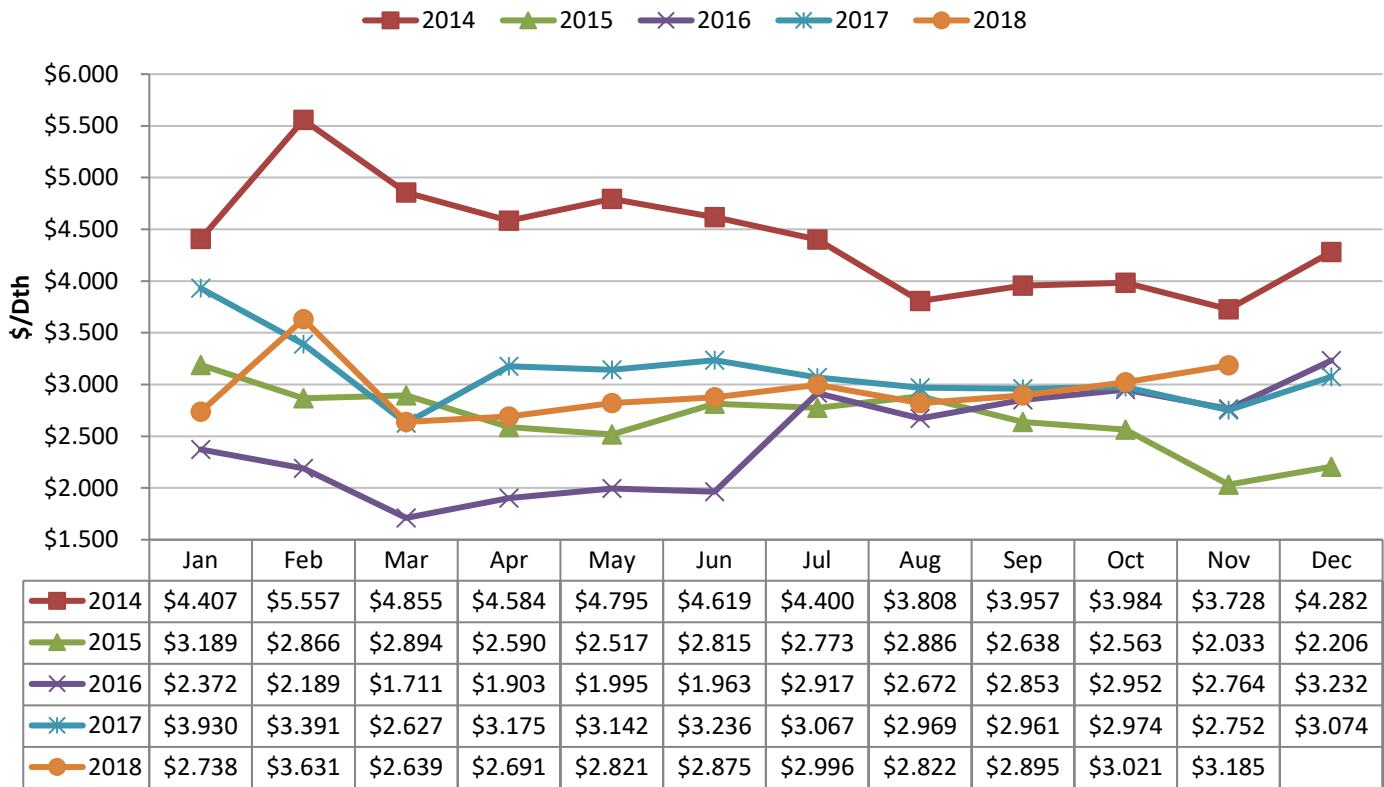
Near Term NYMEX



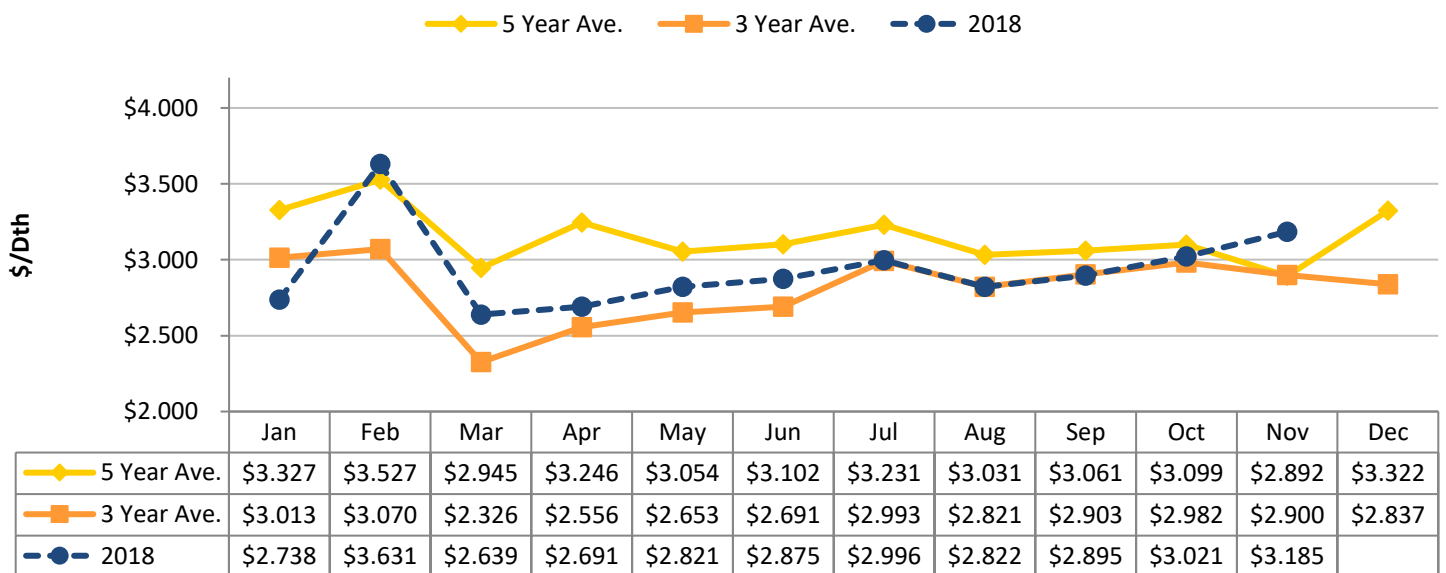
- 7 Month 2019 Summer Forward Average is comprised of April 2019 through October 2019.
- ▲ 12 Month Average is comprised of December 2018 through November 2019.
- 4 Month 2018/2019 Winter Diminishing Average is comprised of December 2018 through March 2019.

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	-134	Bcf
Prior Year	-42	Bcf
Five Year Average	-25	Bcf

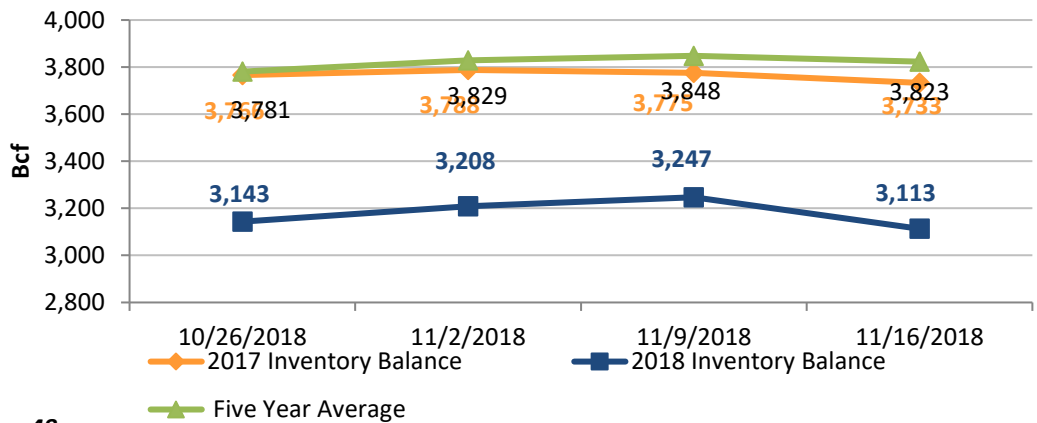
**Regional Breakdown for Storage:**

Region	11/16	11/9	+/-	
East	803	835	-32	Bcf
Midwest	959	991	-32	Bcf
Mountain	174	181	-7	Bcf
Pacific	258	266	-8	Bcf
South Central	919	974	-55	Bcf
<b>Total</b>	<b>3,113</b>	<b>3,247</b>	<b>-134</b>	<b>Bcf</b>

**Summary**

Working gas in storage was 3,113 Bcf as of November 16, 2018, according to EIA estimates. This represents a net **Decrease** of 134 Bcf from the previous week. Stocks were 620 Bcf (16.61 %) less than last year at this time at 3,733 Bcf and 710 Bcf (18.57%) below the 5-year average of 3,823 Bcf.

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

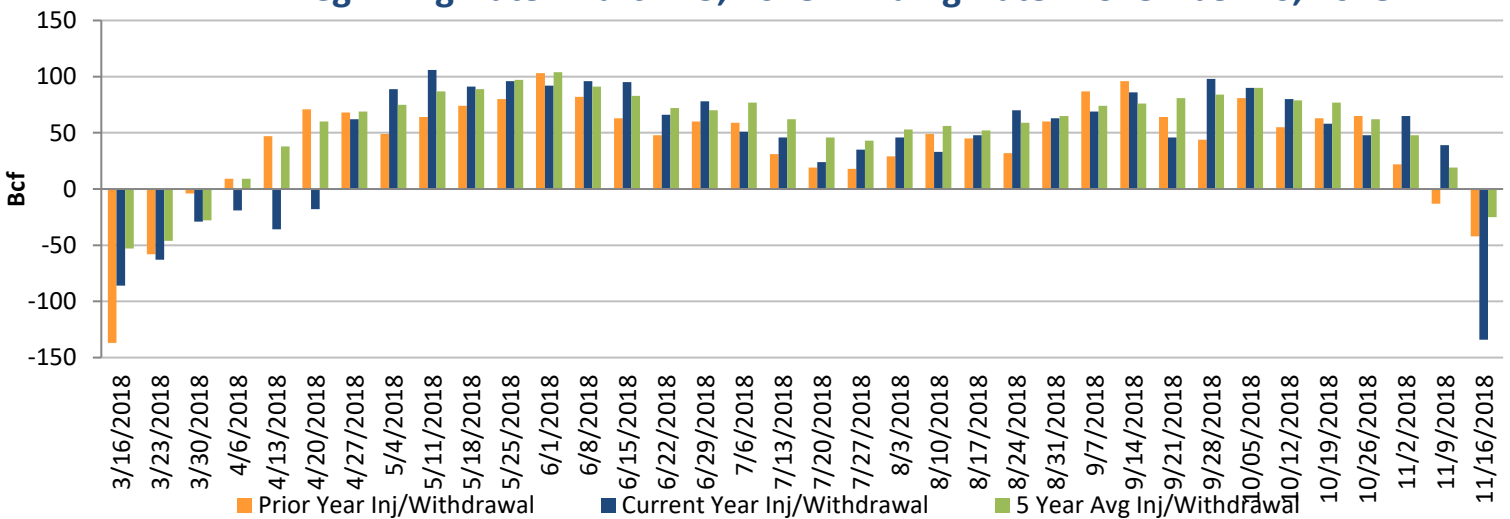


**Note: Storage accounts only for the Lower 48**

**Historical Injection/Withdrawal Figures**

**Weekly Storage Release Data**

Beginning Date: March 15, 2018 - Ending Date: November 16, 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

**Rig Count unavailable for 11/23 at the time of this publication**

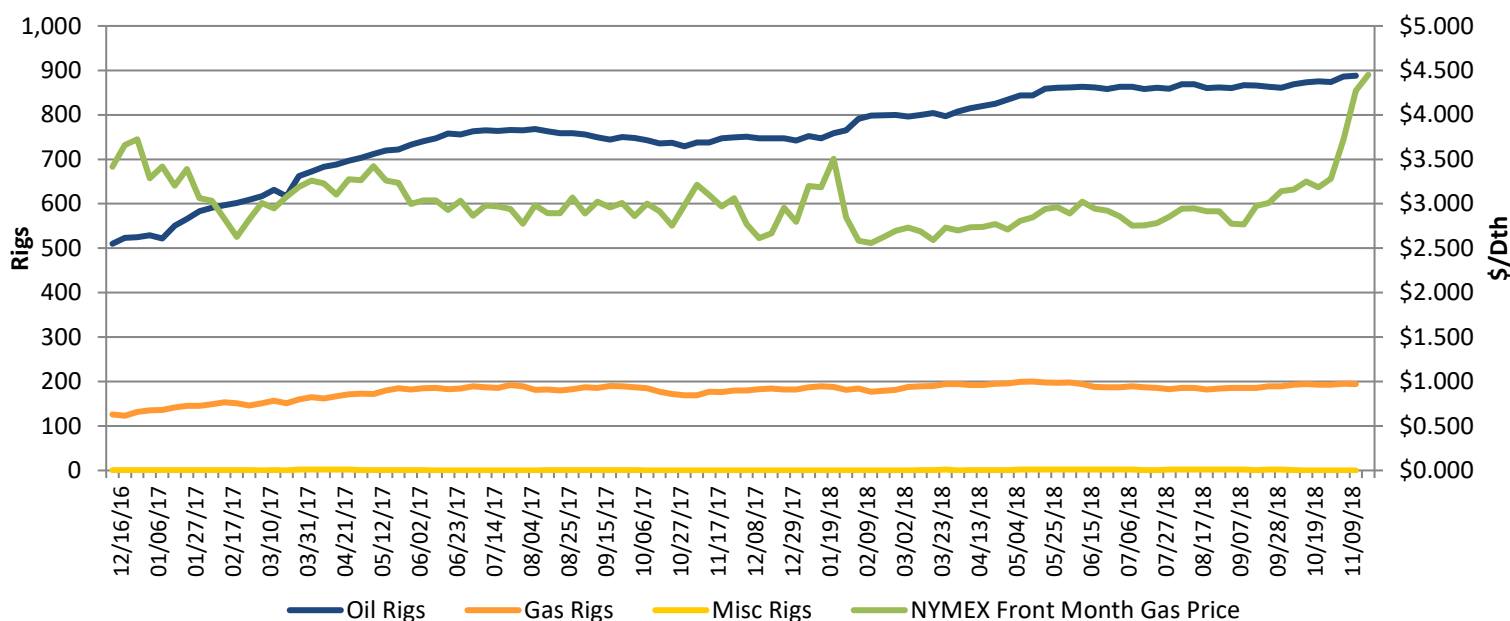
### Comparison of U.S. Natural Gas Rig Counts

Rig Count	11/23	11/16	+/-
Current Year	0	194	-194
Previous Year	176	177	-1
+/-	-176	17	

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 (11/21/18):

6-10 Day: The eastern half of the US will see below normal temperatures while the western US will see average to above average.

8-14 Day: Colder than normal temperatures will develop throughout much of the US while the west coast will see above normal.

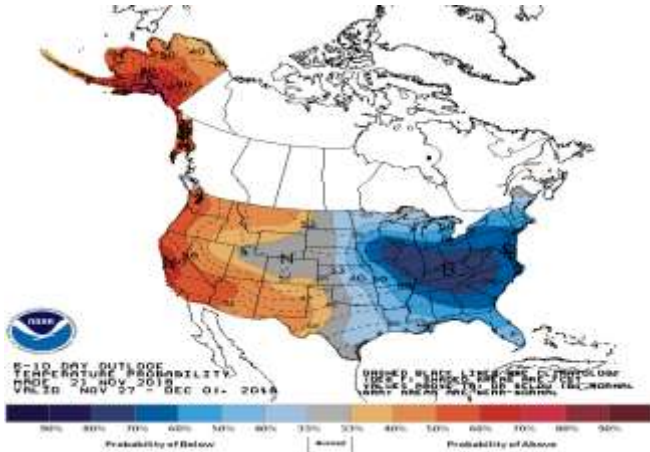
### Long Term 90 Day NOAA Temperature Outlook Probability (11/15/18):

There is a possibility that the northeast could see below normal temperatures while the central US will experience normal temperatures and the western one third will see above normal.

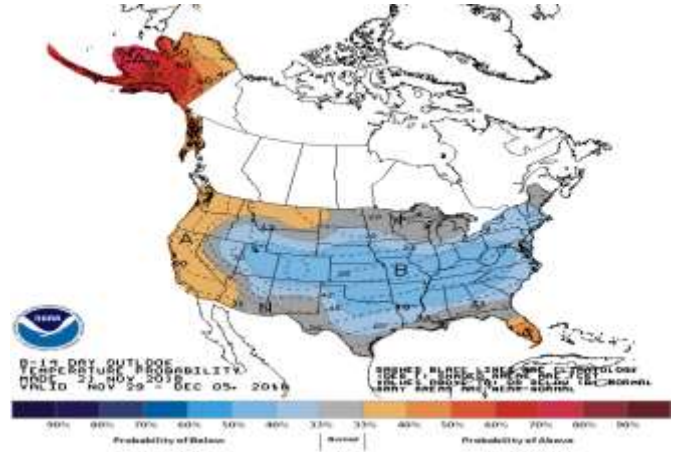
Source for Rig Data: "North American Rotary Rig Counts - Current Weekly Data." BakerHughes.com. Baker Hughes Incorporated, Web. <[http://investor.shareholder.com/bhi/rig\\_counts/rc\\_index.cfm](http://investor.shareholder.com/bhi/rig_counts/rc_index.cfm)>.

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>>.

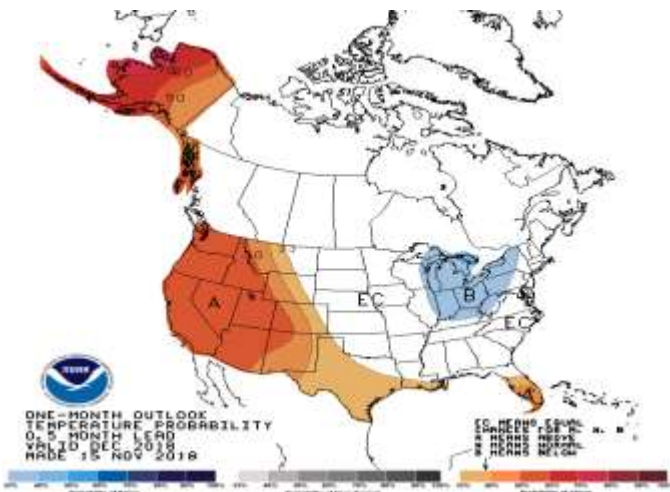
Temperature Maps



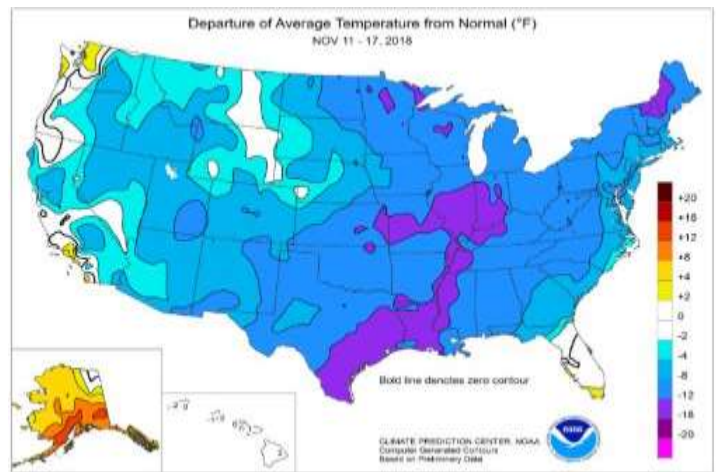
6-10 Day Outlook



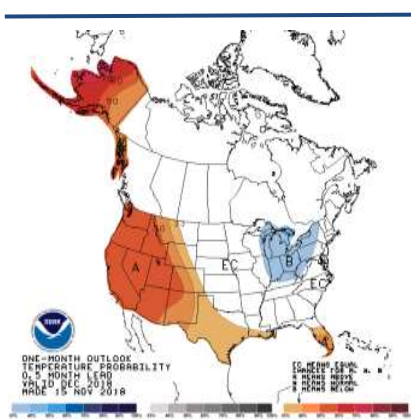
8-14 Day Outlook



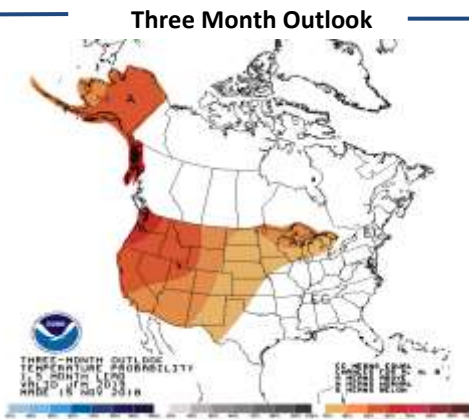
One Month Outlook



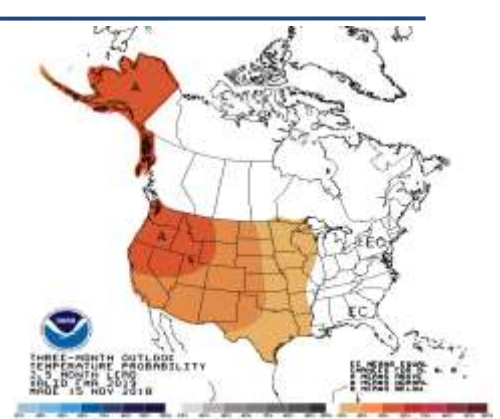
Previous Week Departure from Normal



December-January-February '19



January-February-March



February-March-April

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

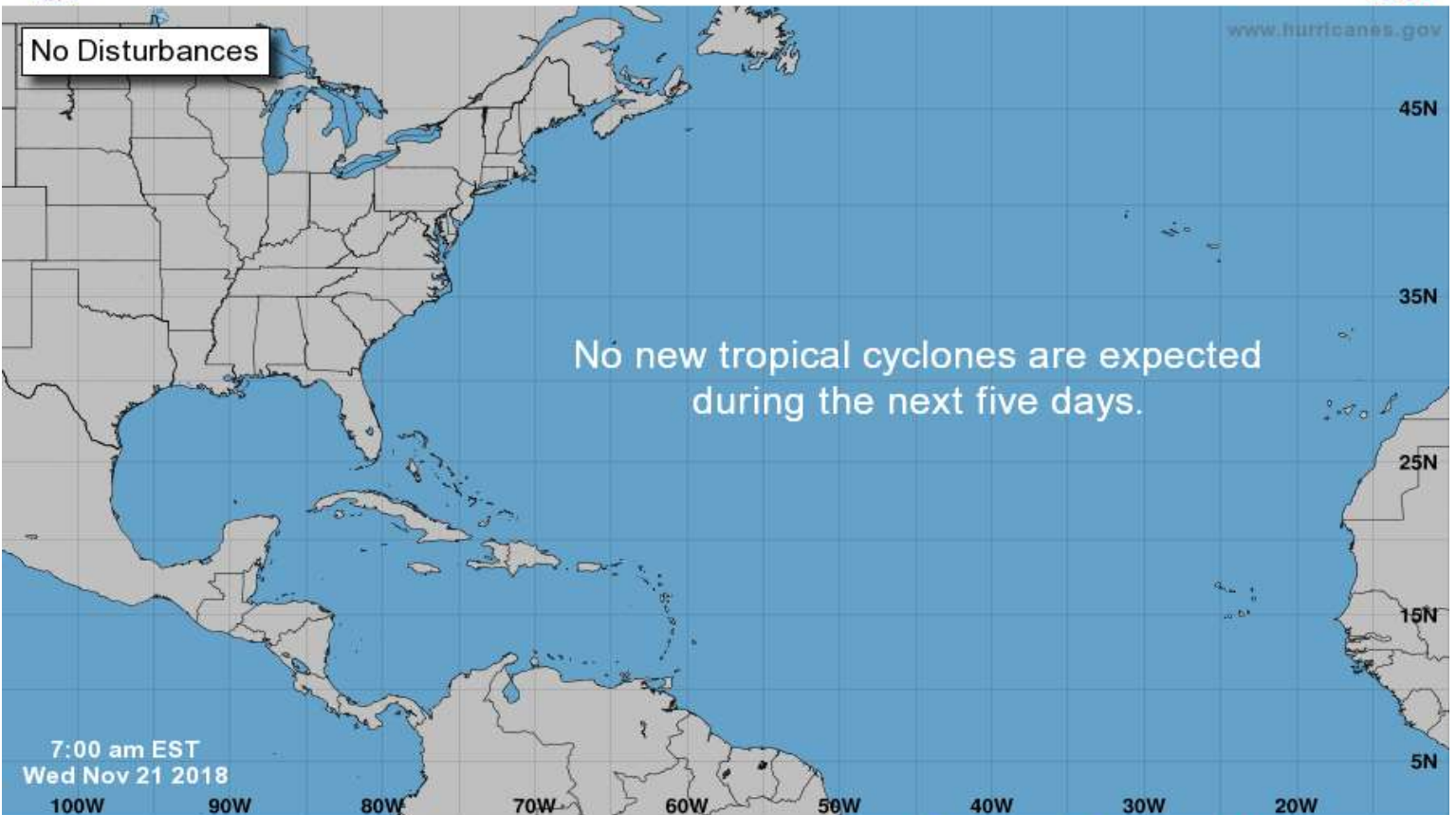
**Atlantic Basin Tropical Outlook:**

No activity expected. ---- **Atlantic Hurricane Season ending on 11/30/2018.**



**Five-Day Graphical Tropical Weather Outlook**

National Hurricane Center Miami, Florida



Current Disturbances and Five-Day Cyclone Formation Chance: < 40% 40-60% > 60%

Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

**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://www.nws.noaa.gov). National Oceanic Atmospheric Administration, Web.  
<http://www.cpc.ncep.noaa.gov/products/forecasts/>.

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