



South Jersey Energy

Pennsylvania Division

www.openflowenergy.com

Friday, July 6, 2018

Weekly Natural Gas Newsletter

Current Storage and Market Conditions

7/5/18	Projected Underground Storage Injection (Withdrawal) for:	Week Ending June 29, 2018	68 to 82	Bcf
7/5/18	Actual Underground Storage Injection (Withdrawal) for:	Week Ending June 29, 2018	78	Bcf
7/5/18	Actual Underground Storage for:	Week Ending June 29, 2018	2,152	Bcf

7/6/18	August 2018 NYMEX Natural Gas Settle: The final settlement day for the 8/18 NYMEX contract is 7/27/18.	\$2.858 /Dth	Up	\$0.021 /Dth
7/6/18	2018 Summer Diminishing NYMEX Natural Gas Average: (August 18 thru October 18)	\$2.839 /Dth	Up	\$0.016 /Dth
7/6/18	12 Month NYMEX Natural Gas Average: (August 18 thru July 19)	\$2.838 /Dth	Up	\$0.008 /Dth
7/6/18	2019 Winter Forward NYMEX Natural Gas Average: (November 18 thru March 19)	\$2.980 /Dth	Up	\$0.008 /Dth

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

Other Energy Futures

August 2018 Crude Oil Futures closed today @ \$73.80/bbl.

August 2018 Unleaded Gasoline Futures closed today @ \$2.109/gal.

August 2018 Heating Oil Futures closed today @ \$2.168/gal or \$15.393/Dth equivalent (\$2.168 * 7.1).

August 2018 PJM Electricity Futures last traded @ \$38.36/MWh.

Contact Information

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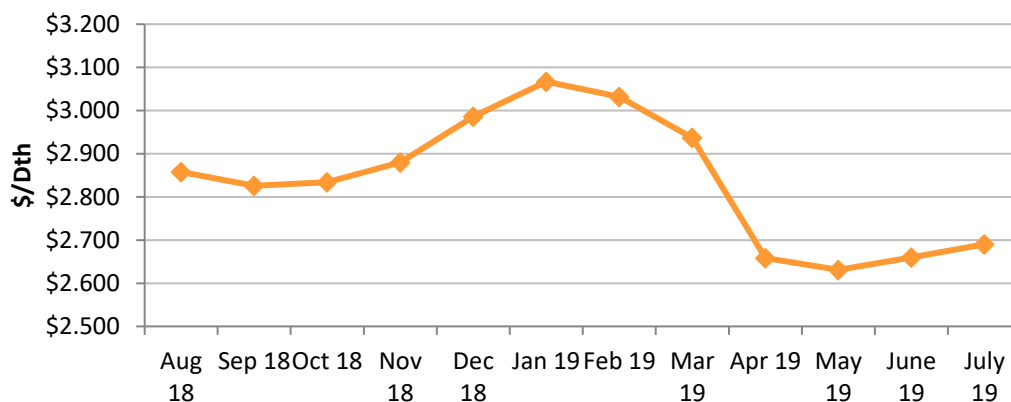
Energy Information Administration (EIA) Weekly Update

For a weekly publication on natural gas conditions from the EIA, follow the link provided. www.eia.gov/naturalgas/weekly/

Forward Looking NYMEX Futures

Month	Price	+/-
Aug 18	\$2.858	\$0.021
Sep 18	\$2.826	\$0.014
Oct 18	\$2.834	\$0.012
Nov 18	\$2.880	\$0.010
Dec 18	\$2.986	\$0.008
Jan 19	\$3.067	\$0.008
Feb 19	\$3.032	\$0.007
Mar 19	\$2.937	\$0.005
Apr 19	\$2.658	\$0.003
May 19	\$2.631	\$0.003
June 19	\$2.660	\$0.003
July 19	\$2.690	\$0.003

Forward Price Curve



NYMEX Front Month Trading

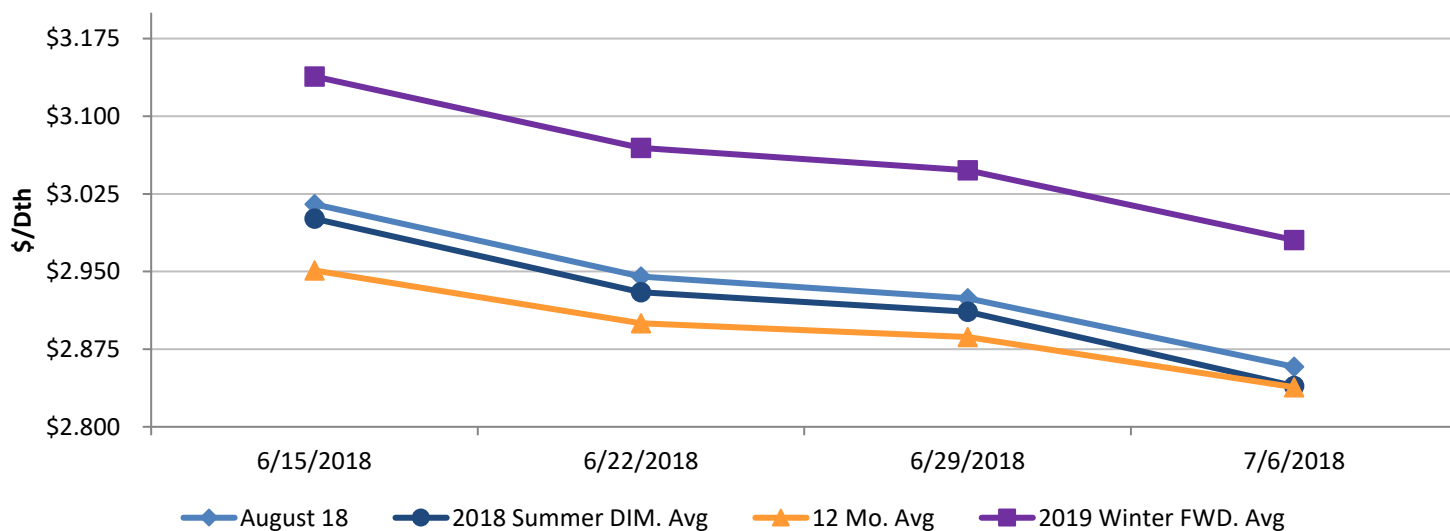
Month	Low	High
Aug 18	\$2.824	\$2.862

August 2018 NYMEX Final Trading Date: 7/27/18

Note: Prices do not include basis.

Near Term Natural Gas Strips

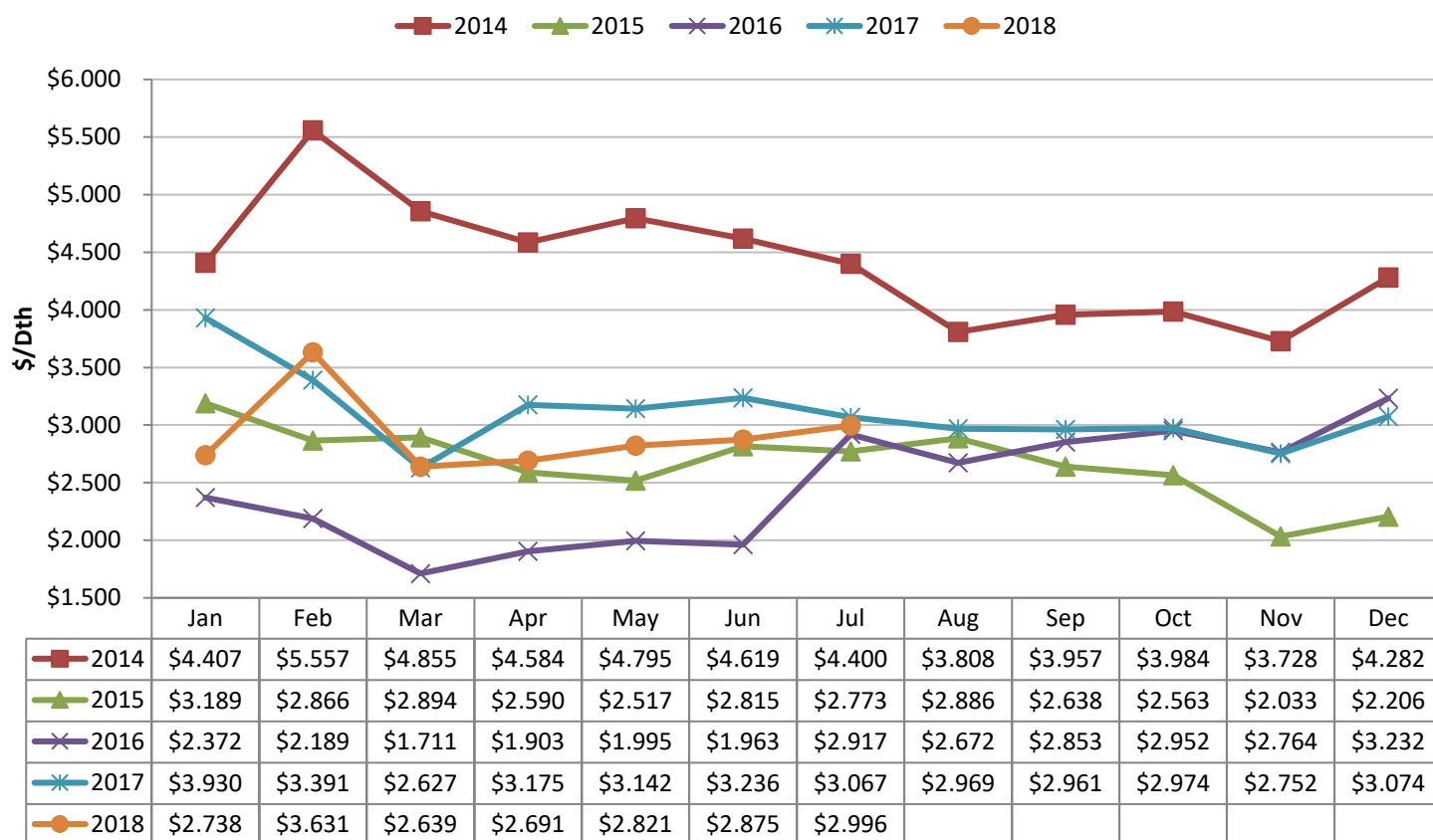
Near Term NYMEX



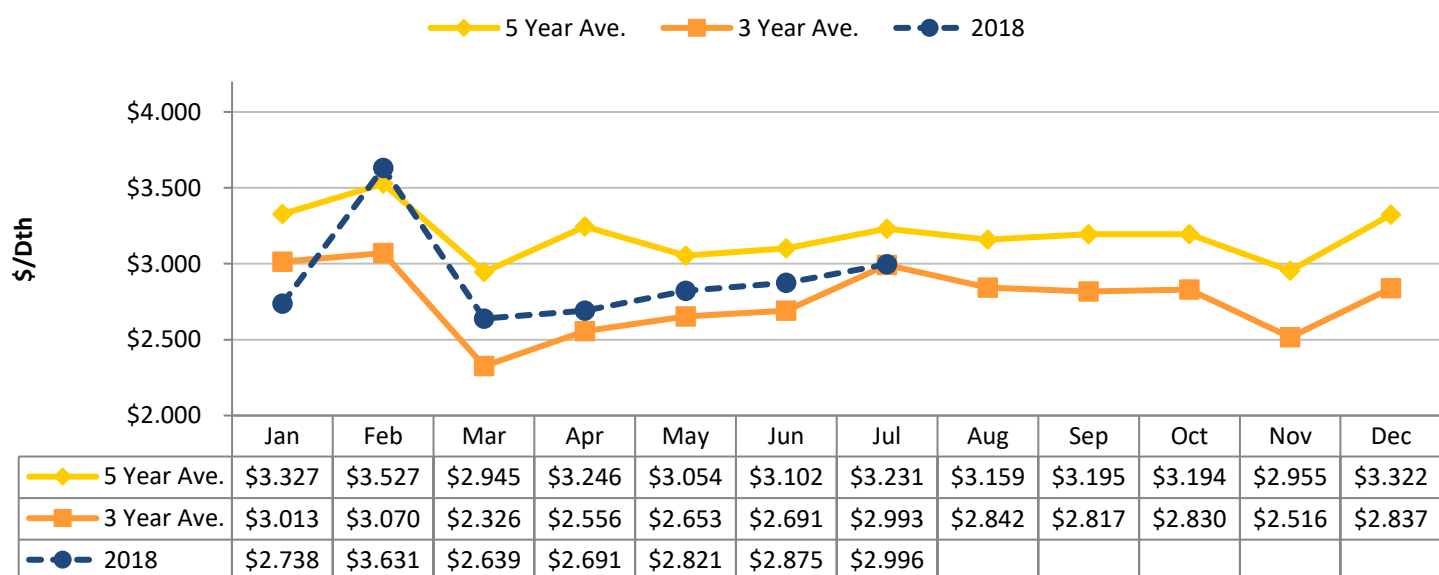
- 3 Month 2018 Summer Diminishing Average is comprised of August 2018 through October 2018.
- 12 Month Average is comprised of August 2018 through July 2019.
- 5 Month 2018/2019 Winter Forward Average is comprised of November 2018 through March 2019.

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	78	Bcf
Prior Year	60	Bcf
Five Year Average	70	Bcf

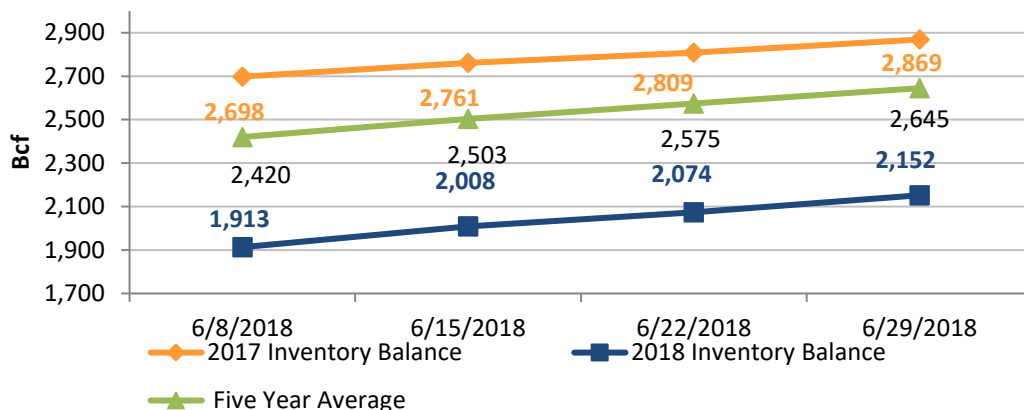
Regional Breakdown for Storage:

Region	6/29	6/22	+/-	
East	460	430	30	Bcf
Midwest	455	425	30	Bcf
Mountain	139	133	6	Bcf
Pacific	257	251	6	Bcf
South Central	841	835	6	Bcf
Total	2,152	2,074	78	Bcf

Summary

Working gas in storage was 2,152 Bcf as of June 29, 2018, according to EIA estimates. This represents a net Increase of 78 Bcf from the previous week. Stocks were 717 Bcf (24.99 %) less than last year at this time at 2,869 Bcf and 493 Bcf (18.63%) below the 5-year average of 2,645 Bcf.

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

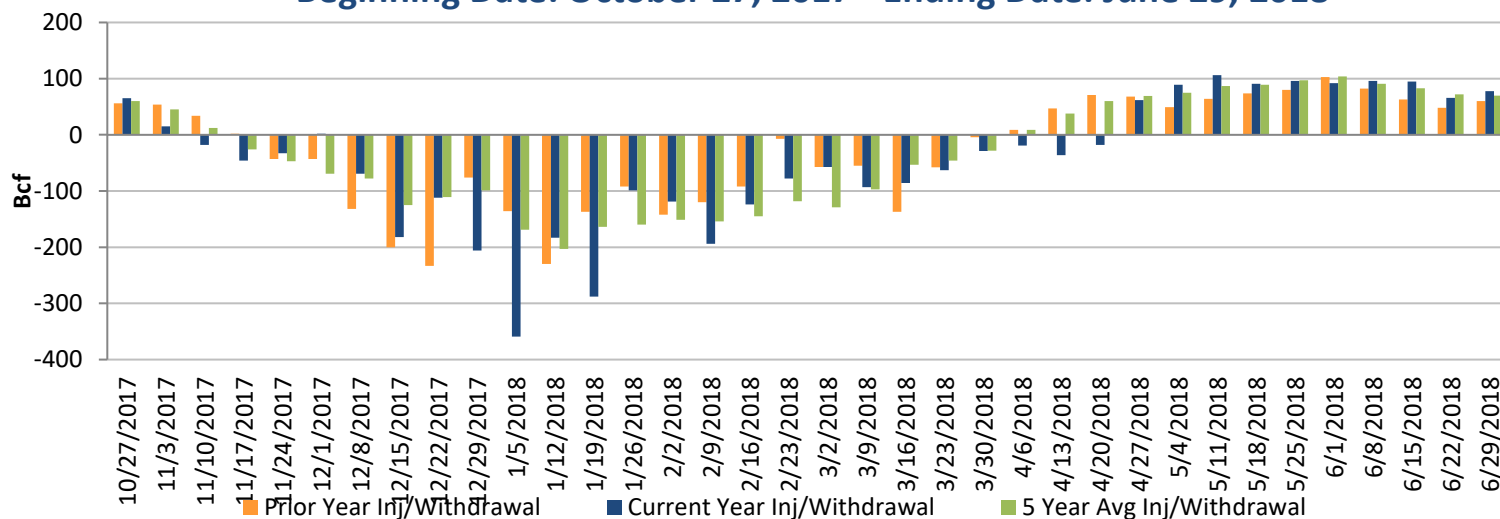


Note: Storage accounts only for the Lower 48

Historical Injection/Withdrawal Figures

Weekly Storage Release Data

Beginning Date: October 27, 2017 - Ending Date: June 29, 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

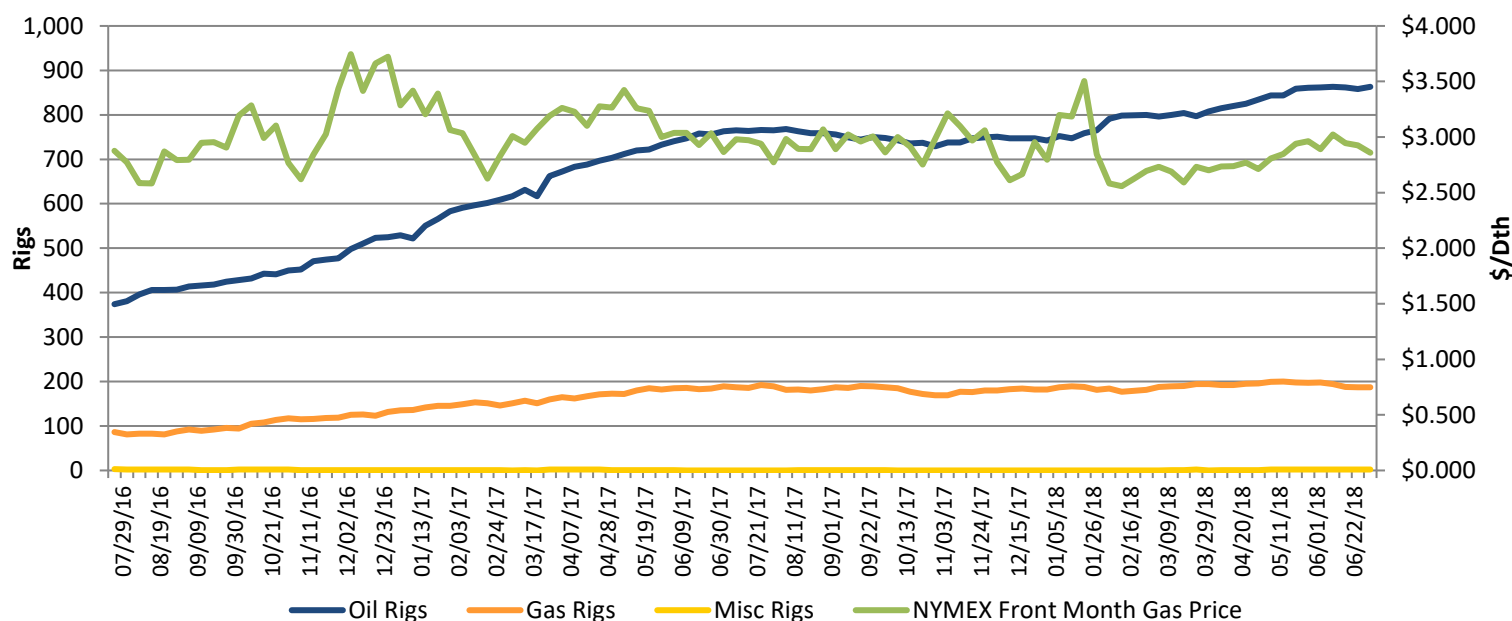
Comparison of U.S. Natural Gas Rig Counts

Rig Count	7/6	6/29	+/-
Current Year	187	187	0
Previous Year	189	184	5
+/-	-2	3	

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 (7/6/18):

6-10 Day: Above average temperatures across nearly all of the US with exception of Alaska who could see cooler than normal.

8-14 Day: Above average temperatures across nearly all of the US with exception for the upper northwest who could see cooler than normal to normal temperatures.

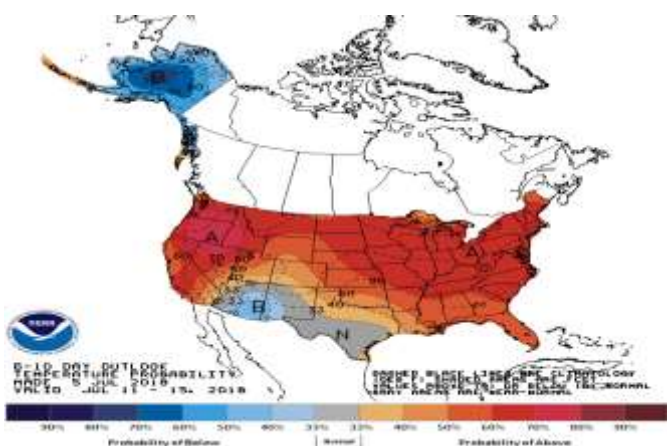
Long Term 90 Day NOAA Temperature Outlook Probability (6/21/18):

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

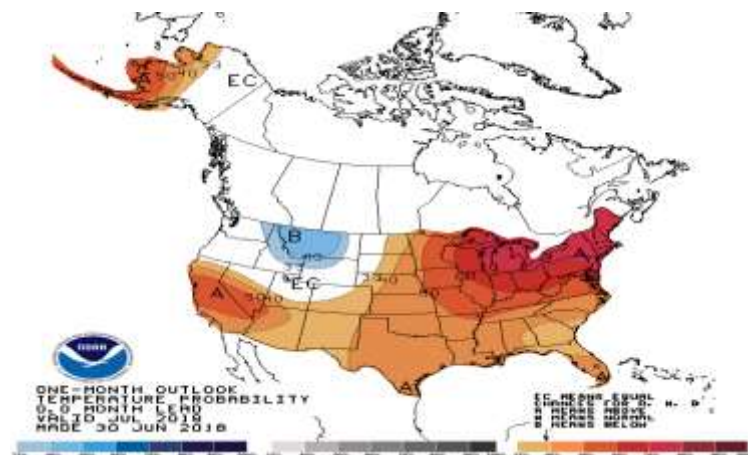
Source for Rig Data: "North American Rotary Rig Counts - Current Weekly Data." BakerHughes.com. Baker Hughes Incorporated, Web.
<http://investor.shareholder.com/bhi/rig_counts/rc_index.cfm>.

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>>.

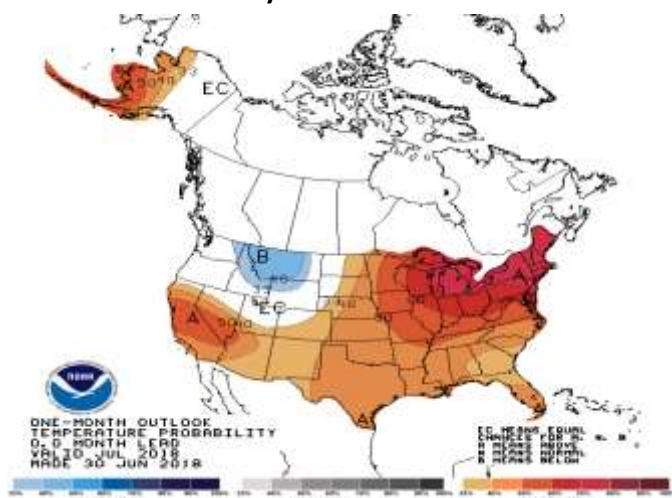
Temperature Maps



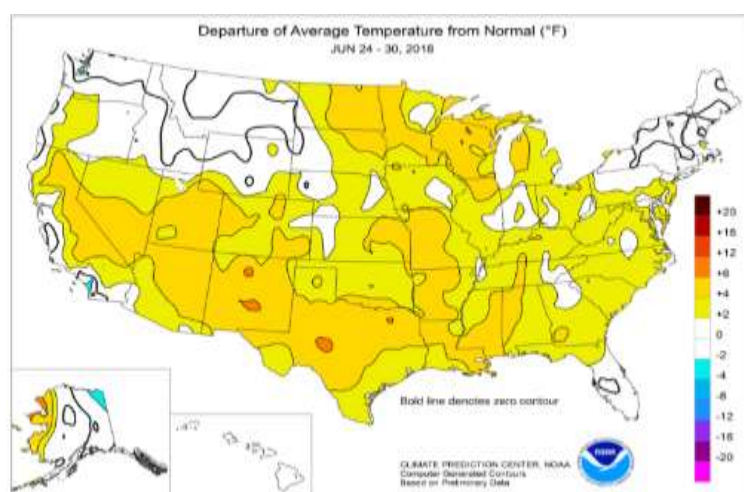
6-10 Day Outlook



8-14 Day Outlook

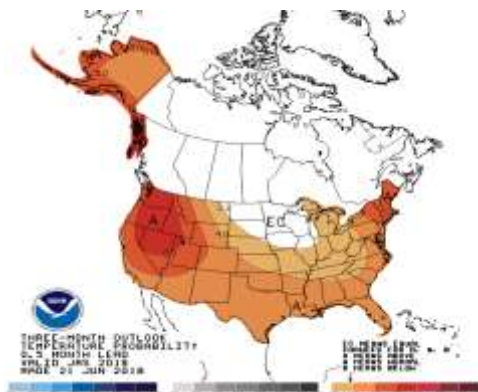


One Month Outlook

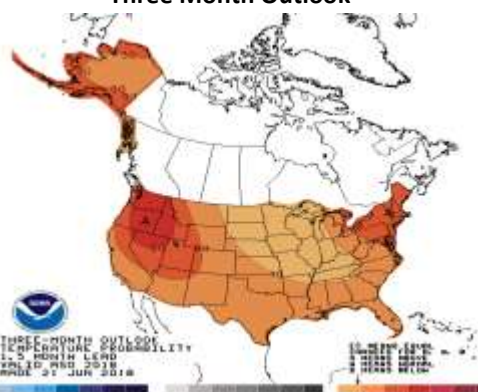


Previous Week Departure from Normal

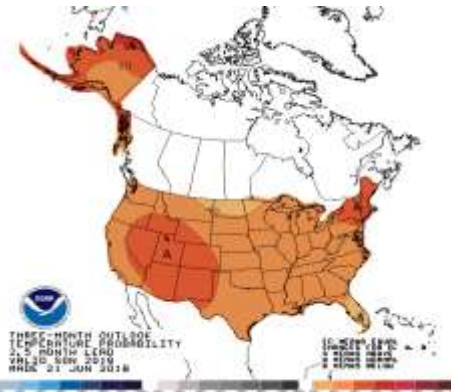
Three Month Outlook



July-August-September



August-September-October



September-October-November

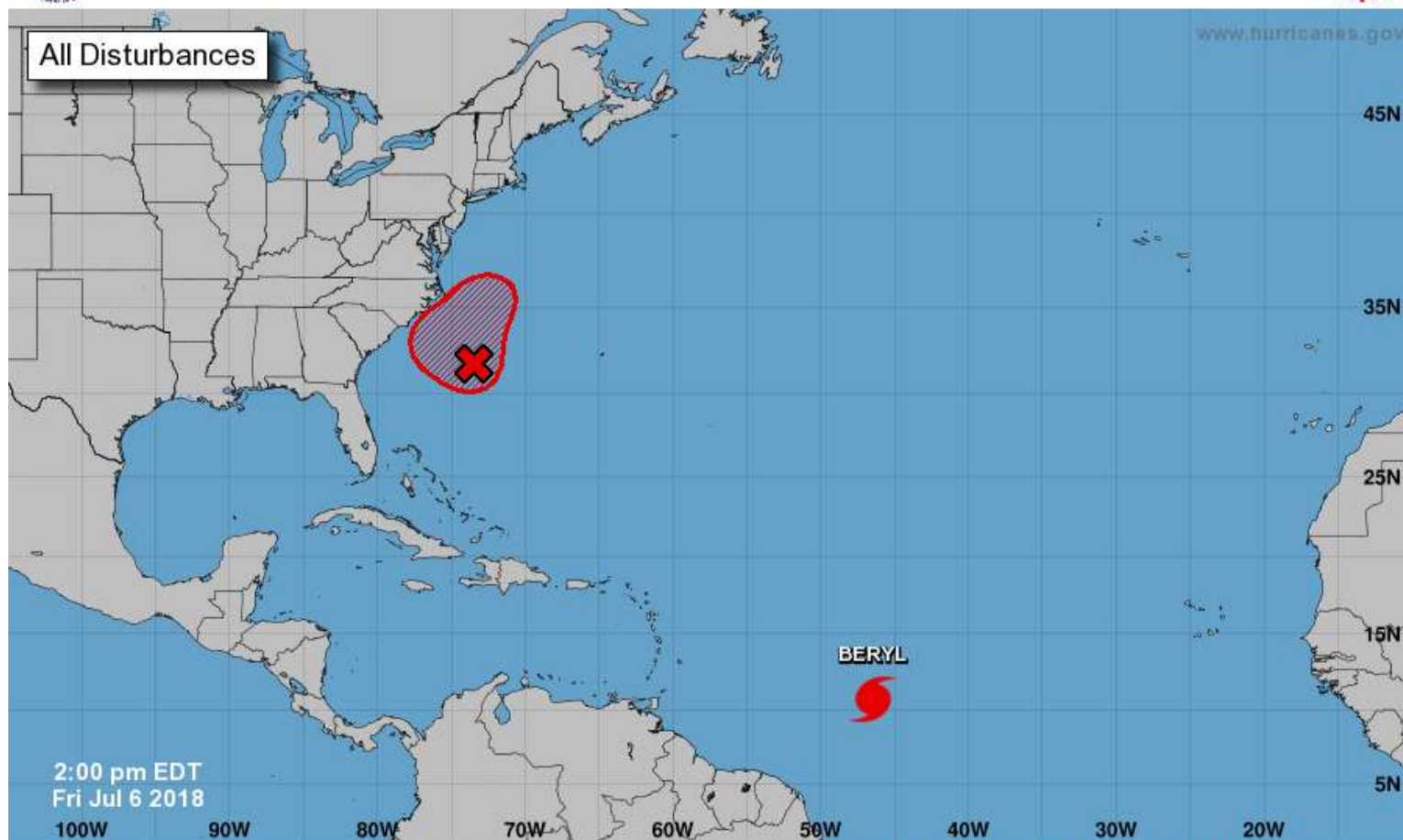
Source for Weather Maps: "Outlook Maps, Graphs and Tables." [nws.noaa.gov](http://www.nws.noaa.gov). National Oceanic Atmospheric Administration, Web.
<<http://www.cpc.ncep.noaa.gov/products/forecasts/>>.

Atlantic Basin Tropical Outlook:

Showers and thunderstorms associated with a well-defined lower pressure system is located a few hundred miles southeast of North Carolina. This storm has an 80% chance of development over the next 5 days with it expected to stall near the coast. - Hurricane Beryl is expected to travel west towards the Dominican Republic by next Tuesday. Currently maximum sustained winds are near 80 MPH. It looks unlikely to be of any threat to the US in the next week.

**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

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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