

## 6-Month Climate Model Forecast Summary for Pennsylvania

November 15, 2017

*Climate models continue to improve and may have some skill in forecasting patterns of temperature and precipitation anomalies several months in advance. However, climate modeling is still a very inexact science. Lacking highly precise observations from the earth's environment (air, land and sea) and a full understanding of the scientific processes that affect the motions in the atmosphere, it is impossible to make precise seasonal-scale weather predictions with any accuracy. Please keep this in mind as you review this forecast.*

*The following forecast is produced based on analysis of monthly forecast products from the Climate Forecast System Version 2 (CFS) and the North American Multi-Model Ensemble (NMME). Links to forecasts are provided at the end of this document.*

### Discussion:

Recent models have shown that the temperature forecast for the next six months will stay at or around normal temperature values. Although some outlier models show that temperatures could reach above normal in October and November, the consensus remains that the temperatures for the next six months will hover around average.

The most recent trends tend to keep with the proposal that the next 6 months will remain to be wetter than normal. Especially during the months of January and February. There are some trends that think the next two months (October and November) will have normal to slightly higher rain totals.

### Forecast:

**Changes highlighted in yellow**  
**Previous forecast in parentheses**

Month	Temperature	Precipitation
November	A(A)	B(B)
December	A(A)	A(A)
January	A(A)	AA(A)
February	A(A)	A(N)
March	A(A)	AA(A)
April	A(N)	N(U)

**BB = Much Below Normal**  
**B = Below Normal**  
**N = Near Normal**  
**A = Above Normal**  
**AA = Much Above Normal**  
**U = Uncertain**

The next forecast will be issued on November 15, 2017.

**REFERENCES:**

**CFSv2 Forecasts:**

<http://www.cpc.ncep.noaa.gov/products/CFSv2/htmls/glbT2me1Mon.html>

**CFS Monthly Forecasts:**

[http://climate.met.psu.edu/CFS/monthly\\_by\\_day.php](http://climate.met.psu.edu/CFS/monthly_by_day.php)

**NMME Forecasts**

<http://www.cpc.ncep.noaa.gov/products/NMME/monanom.shtml>