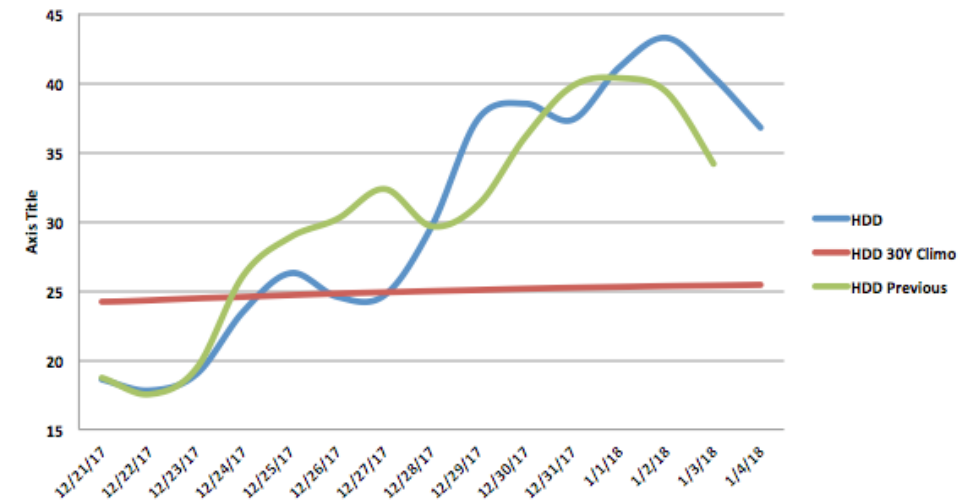


Energy Weather Headlines

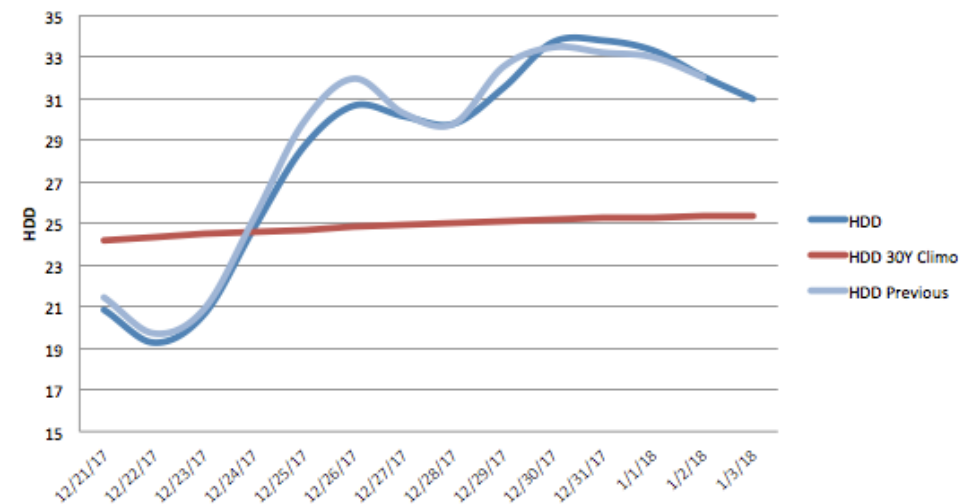
- Cold regime to jumpstart heating demand to end 2017 thanks to -EPO and -WPO.
- Cold lingers into week 1 of January, focusing on the Midwest and East.
- Watching mid-January warmer risks. Some evidence that cold may not have strong durability into January, especially in the high energy usage areas of the Northeast.

Early Morning HDD Round Up

00z GFS Gas Weighted HDD Vs. Normal



00z European Ensemble Gas Weighted HDD Vs. Normal



Time Period	GFS Forecast	European Forecast	30Yr Normal GWHDD	EIA Region of Highest Heating Demand
1-5	105.2	114.3	122.2	Midwest
6-10	154.8	155.8	124.9	Midwest/East
11-14	162.2	130.1	101.3	Midwest/East
14 Day Total	422.2	400.2	348.5	Midwest/East