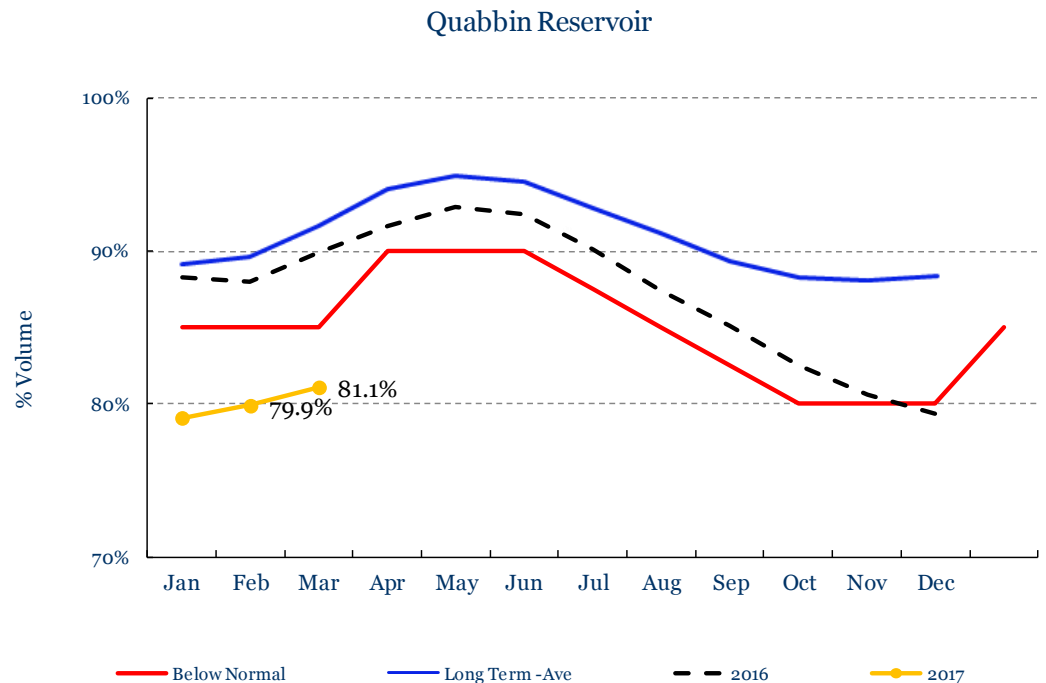




# Quabbin Status as of March 6, 2017

- Elevation : 519.74 ft
- Volume : 334,802 MG (81.2%)
- At current capacity Quabbin can supply the system's current demand\* for 4.6 years

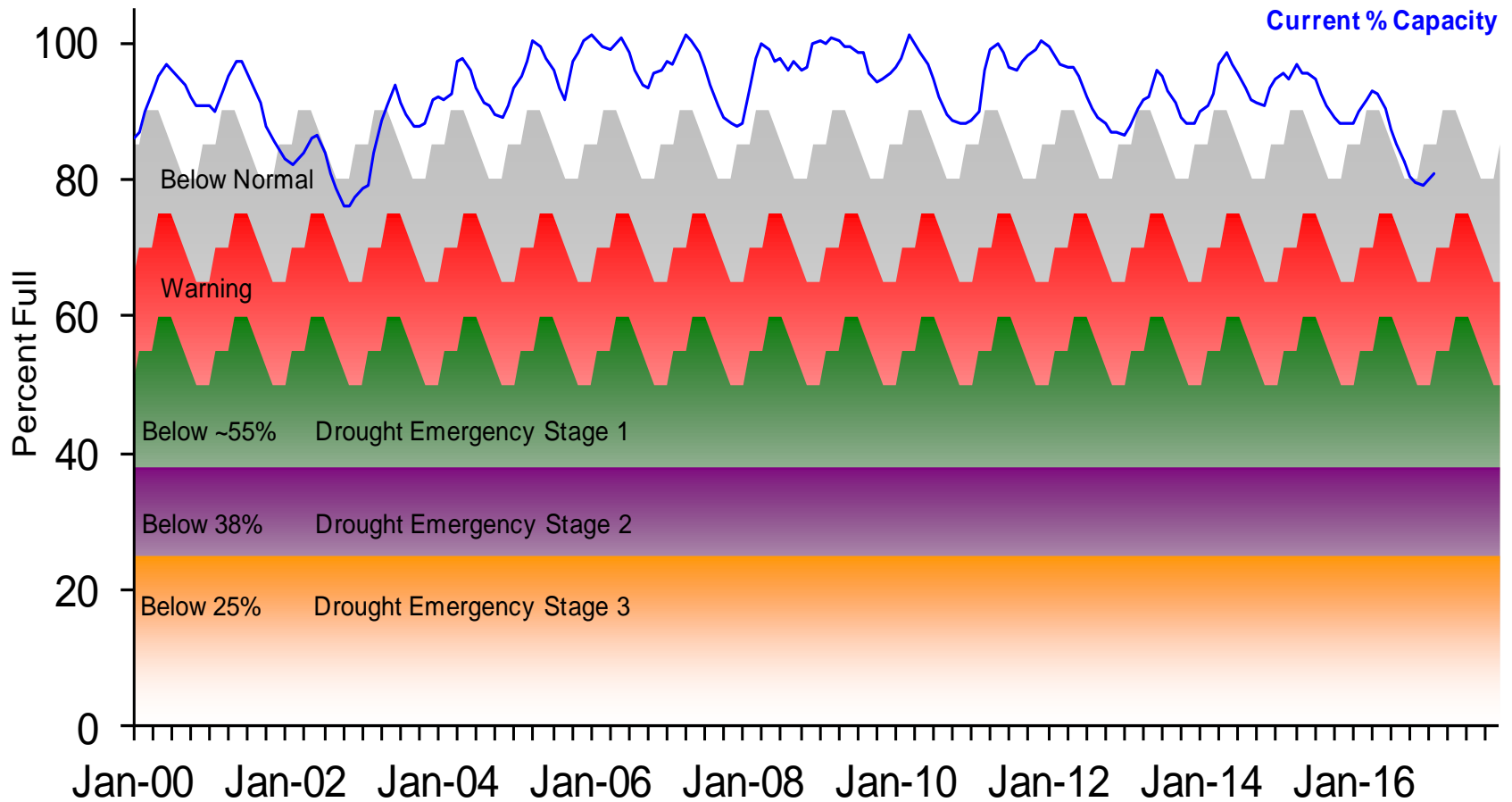


\* Calculated using an average daily demand of 200 MGD



# Quabbin Reservoir Levels relative to Drought Stages

## Quabbin Reservoir Levels With Drought Emergency Planning Stages





# Quabbin Reservoir Projections –March 2017

Quabbin Reservoir levels have been modeled for the next 12 months (March 2017 – February 2018) given varying yield conditions, and an annual demand of 220 mgd (includes a 10 mgd increase from current annual demand levels). The monthly yield for February 2017 was 5,983 MG. It should be noted that February 2017 was about average in the 68 year history of Quabbin yields (32 out of 68.)

Table 1 below shows the ending drought status for the time period being simulated.

**Table 1: Quabbin Reservoir Status with Varying Reservoir Yield Scenarios Looking Forward from March 1, 2017**

	<b>1-Month</b>	<b>3-Months</b>	<b>6-Months</b>	<b>12-Months</b>
<b>Median Yield</b>	Below Normal	Normal	Normal	Normal
<b>Dry (75th Percentile)</b>	Below Normal	Below Normal	Normal	Below Normal
<b>Driest (of Record)</b>	Below Normal	Below Normal	Below Normal	Below Normal*

*\*Reservoir level is at 70.9% full at the end of 12 month simulation which is Below Normal condition but close to Drought Warning Condition (<70%)*

Evaluating a 24-month scenario using the driest conditions, Quabbin Reservoir would end in the Drought Warning Stage Level.



# Quabbin Projections using historical data

## Quabbin Reservoir 12-month Simulation

