• Current Elevation: 518.74 ft
• Current Volume: 357,502 MG (74.9%)
• At current capacity Quabbin can supply the system’s current demand* for 4.9 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

- Below Normal: ≤ 80%
- Warning: 80% - 85%
- Below ~55%: 85% - 90%
- Below 38%: 90% - 95%
- Below 25%: 95% - 100%

Percent Full

Jan-00 Jan-02 Jan-04 Jan-06 Jan-08 Jan-10 Jan-12 Jan-14 Jan-16

Current % Capacity
Quabbin Reservoir levels have been modeled for the next 12 months (December 2016 – November 2017) given varying yield conditions, and our current annual demand of 210 mgd. It should be noted that November 2016 was the 5th driest November in the 68 year history of Quabbin yields. The monthly yield for November 2016 was 312.8 MG.

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

Table 1: Quabbin Reservoir Ending Status with Varying Reservoir Yield Scenarios Looking Forward from December 1, 2016

<table>
<thead>
<tr>
<th></th>
<th>1-Month</th>
<th>3-Months</th>
<th>6-Months</th>
<th>12-Months</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Median Yield</strong></td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Normal</td>
<td>Normal</td>
</tr>
<tr>
<td><strong>Dry (75th Percentile)</strong></td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Normal</td>
</tr>
<tr>
<td><strong>Driest (of Record)</strong></td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Below Normal</td>
<td>Below Normal</td>
</tr>
</tbody>
</table>
Using 2001/2002 (also a very dry year) we actually end up lower but still not Drought Warning.
Wachusett Reservoir Status – Normal operations

Wachusett Reservoir

- 2016
- Long Term Average
- Lower Band
- Upper Band
- Winter Band

Drawdown for construction project
Sudbury System Elevations – recovery in **drought** conditions

**Sudbury Reservoir**

Winter drawdowns suspended for 2016/17 season due to drought conditions.

**Foss Reservoir**

Winter drawdown for record snowpack

Winter drawdown for invasives plants control