Status of the Colorado River and Lake Mead

Pima County LDIG
March 9, 2016

Mitch Basefsky
CAP Communications
Pima/Pinal
13 of the last 16 years (2000-2015) had below average Colorado River flow
Current Reservoir Conditions

Upper Colorado River Basin Reservoirs
- 80% Full
  - 5.4 MAF

Lake Powell
- 46% Full
  - 11.2 MAF
  - 3,594’ (106’ below Full Pool)

Lake Mead
- 37.3% Full
  - 9.65 MAF
  - 1,083’ (144’ below Full Pool)
Snow Water Equivalent – Water Year 2016

Colorado Basin River Forecast Center
CR Basin above Lake Powell for LC Report Group

Percent Median To Date: 99% (12.1 / 12.2)
Percent Seasonal Median: 76% (12.1 / 16.0)
Accumulation rate 0.0 in/day
averaged over last 3 days.

# 2016 Release from Lake Powell

## Calendar Year 2016

<table>
<thead>
<tr>
<th>Expected Annual Release (MAF)</th>
<th>&lt;8.23</th>
<th>8.23</th>
<th>&gt;8.23 to 9.0</th>
<th>Equalization &gt;8.23</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Futures</td>
<td>0</td>
<td>10</td>
<td>82</td>
<td>8</td>
</tr>
</tbody>
</table>

**Notes:**
- Expected Annual Release (MAF) refers to the amount of water released from Lake Powell.
- Futures represent the percentage of releases falling into each category.
<table>
<thead>
<tr>
<th>Year</th>
<th>Probability of Shortage</th>
<th>Probability of Tier 1 Shortage</th>
<th>Probability of Tier 2 Shortage</th>
<th>Probability of Tier 3 Shortage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>None</td>
<td>0%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>2017</td>
<td>10%</td>
<td>10%</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>2018</td>
<td>52%</td>
<td>42%</td>
<td>10%</td>
<td>0%</td>
</tr>
<tr>
<td>2019</td>
<td>65%</td>
<td>47%</td>
<td>14%</td>
<td>4%</td>
</tr>
<tr>
<td>2020</td>
<td>59%</td>
<td>35%</td>
<td>18%</td>
<td>7%</td>
</tr>
</tbody>
</table>

Source: BOR January 2016 24 month study
Federal Drought Activities

Reclamation released details of its plan to spend the additional $100 million for western drought activities:

- $11.5 million for Lower Colorado River Basin Drought Response Action Plan (MOU), up from $8.5 million in FY 2015

  Includes funding for upgrades to the Yuma Desalting Plant in preparation for potential operation

- $5 million for the System Conservation Pilot Program ($3.5 million, Lower Basin and $1.5 million, Upper Basin) for additional conservation projects and participants
Federal Drought Activities

Western States Drought Bill

Key long-term provisions ($1.3 Billion)

$100 million for research, design and construction of desalination projects

$500 million in WaterSMART funding

$200 million for Title XVI water recycling programs

$200 million for a new loan guarantee program to store and provide clean water

$600 million for water storage projects
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