Water Supply Conditions

Southern California Water Dialogue
July 23, 2014
Southern California Imported Water Supply

- **Northern Sierra**
- **Upper Colorado River Basin**
- **Southern Sierra**
- **MWD Service Area**

**SWP**
- 1.33 MAF 10 yr avg

**LAA**
- 0.25 MAF 10 yr avg

**CRA**
- 0.73 MAF 10 yr avg
Upper Colorado River Basin Still in a Long-Term Drought

Lake Powell Runoff

Water Year

Actual

Normal

10.88 MAF
Northern Sierra Rainfall

Water year to Date

Precipitation (in.)

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

Actual
Normal

23% 24% 10% 14% 144% 143% 62%

33% 5% 15%
Northern Sierra Snowpack

- Dismal Peak Snowfall
- Driest January Snowpack on Record

On April 1st, there was a 33% decrease in snowfall compared to the normal levels.
Northern California Runoff

Water Year

Runoff (MAF)

<table>
<thead>
<tr>
<th>Year</th>
<th>Actual</th>
<th>Normal</th>
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</thead>
<tbody>
<tr>
<td>2006</td>
<td>32.09</td>
<td>25.21</td>
</tr>
<tr>
<td>2007</td>
<td>10.28</td>
<td>4.0</td>
</tr>
<tr>
<td>2008</td>
<td>10.28</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>13.02</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>16.01</td>
<td></td>
</tr>
<tr>
<td>2011</td>
<td>25.21</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>11.83</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>11.86</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>7.2</td>
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</tr>
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</table>

18.26 MAF

4th Lowest Runoff in over 100 years
Allocation 5%
Southern California Imported Water Supply

- **Northern Sierra**
  - **SWP** 1.33 MAF 10 yr avg
  - **CRA** 0.73 MAF 10 yr avg

- **Southern Sierra**
  - **LAA** 0.25 MAF 10 yr avg
  - **0.04 MAF 2014**

- **Upper Colorado River Basin**
  - **1.20 MAF 2014**

- **MWD Service Area**
# 2014 Supply and Demand Balance

Based on Currently Allocated Supplies and Demands

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<td>In-Region Storage Requirement</td>
<td>200,000</td>
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2014 Imported Water Supply Mix

0.70 MAF

- GW Banking
- Flex Storage
- Carryover
- 5% Allocation

SWP

1.20 MAF

- Lake Mead Storage
- Land Fallowing
- Conservation Programs
- Basic Apportionment

CRA
Nearly 50% of Imported Supplies from Storage
MWD Storage Reserves
End of Year Balances*

Storage use will vary based on actual conditions

*Estimated actual storage balances, may be subject to change.
Drought Response

- MWD Declares a Regional Water Supply Alert
  - Supports Governors 20% reduction in water use
  - Calls for implementation of extraordinary conservation through ordinances and measures

- SWRCB Adopts Emergency Water Conservation Regulations
  - Mandatory outdoor irrigation restrictions
  - Prohibits wasteful use of water outdoors
Drought Response (cont’d)

- Doubled Conservation Budget to $40 million
  - Record activity on BeWaterWise.com
  - Increased interest in turf removal
  - New record on daily rebate applications (devices)

- Historical Demand Comparison
  - Hotter this year with lower local supplies vs. last drought

- Drop in Daily Demands
  - Reduced from 7,000 cfs to 6,000 cfs in last week
Questions?