

**SOUTHERN NEVADA WATER AUTHORITY
BOARD OF DIRECTORS
REGULAR MEETING
SEPTEMBER 20, 2012
MINUTES**

CALL TO ORDER 9:01 a.m., SNWA Board Chambers, Southern Nevada Water Authority
100 City Parkway, Seventh Floor, Las Vegas, Nevada

BOARD MEMBERS PRESENT Shari Buck, Chair
Mary Beth Scow, Vice Chair
Sam Bateman
Bob Coffin
Duncan McCoy
Steve Sisolak

BOARD MEMBERS ABSENT Tom Collins

STAFF PRESENT Pat Mulroy, Greg Walch, John Entsminger, Phil Speight, Zane Marshall,
Marc Jensen, Kurt Lytle

OTHERS PRESENT None

Unless otherwise indicated, all members present voted in the affirmative.

COMMENTS BY THE GENERAL PUBLIC

Ed Uehling discussed previous public comment at the August 2012 SNWA Board meeting, and spoke directly to agenda item number eight, specifically requesting information on how to be appointed to the Integrated Resource Planning Advisory Committee.

1. Approval of Agenda & Minutes

FINAL ACTION: A motion was made by Director Sisolak to approve the agenda for this meeting and the minutes of the regular meeting of August 16, 2012. The motion was approved.

2. Approve an amendment to the existing agreement among the Metropolitan Water District of Southern California, members of the Water Utility Climate Alliance, and the Authority, and to authorize the General Manager to approve future modifications only if the future modifications do not fiscally impact the Authority.

FINAL ACTION: A motion was made by Director Sisolak to follow staff's recommendation. The motion was approved.

3. Approve a joint funding agreement between the U.S. Geological Survey and the Authority for hydrologic data collection in western Utah in support of the Clark, Lincoln, and White Pine Counties Groundwater Development Project for an amount not to exceed \$36,360.

John Entsminger, Senior Deputy General Manager, responded to a question from the board, indicating that pursuant to a number of stipulations the Authority has entered into with federal bureaus, the SNWA was collecting baseline data of both surface and groundwater sources in Snake Valley. The data collected will be used to establish a baseline and to evaluate impacts from groundwater development.

FINAL ACTION: A motion was made by Director Coffin to follow staff's recommendation. The motion was approved.

4. **Approve a contribution funding agreement between the Nevada Division of Water Resources and the Authority for surface water and groundwater data collection services within Nevada to be performed by the U.S. Geological Survey for an amount not to exceed \$206,875.**

FINAL ACTION: A motion was made by Director Sisolak to follow staff's recommendation. The motion was approved.

5. **Approve a joint funding agreement between the U.S. Geological Survey and the Authority for hydrologic data collection for an amount not to exceed \$232,600.**

Director Coffin asked if Southern Nevada's recent rain events caused damage to any Las Vegas Wash infrastructure. Mr. Entsminger reported that the rain events did not cause damage inside the Wash. Director Coffin asked to be provided with information regarding the rain events, specifically rain gauge information.

FINAL ACTION: A motion was made by Vice Chair Scow to follow staff's recommendation. The motion was approved.

6. **Approve the second amendment, in substantially the same form, to the existing operational agreement among the Metropolitan Water District of Southern California, the Colorado River Commission of Nevada, and the Authority for interstate banking of Colorado River water in California.**

Mr. Entsminger reported that, to date, the SNWA has banked approximately 600,000 acre-feet of water in the state of Arizona. The SNWA also has an agreement with the Metropolitan Water District to bank water in California; to date, the SNWA has banked 70,000 acre-feet in the state. This agreement with Metropolitan avoids the costs associated with direct injection, as is the case with Arizona.

FINAL ACTION: A motion was made by Director McCoy to follow staff's recommendation. The motion was approved.

7. **Approve and authorize the General Manager, or her designee, to sign a utility easement authorizing Nevada Bell Telephone Company d/b/a AT&T Nevada, a Nevada Corporation, to install communication facilities benefitting the Authority's Northern Resource properties.**

Director Sisolak asked about the type of facilities that were to be installed on the property. Zane Marshall, Director of the Environmental Resources, reported that a small cellular tower would be installed. Tower placement will significantly improve the mobile communication and internet capabilities at the ranch properties. Director Sisolak also asked if there were provisions within the agreement for tower removal, in the event the technology becomes obsolete or faulty; Mr. Marshall confirmed the agreement contained those provisions. Chair Buck asked if the SNWA would be the sole user of the tower, Mr. Marshall noted that other users in the area would also benefit from the installation. Director Sisolak asked if the tower would be shared among other cellular providers, Mr. Marshall indicated that at this time, only AT&T would be using the tower. Director Sisolak asked if this action was being taken because SNWA was a subscriber of AT&T. Kurt Lytle, SNWA Right-Of-Way, indicated that SNWA currently used satellite service, but this installation would give SNWA an opportunity to take advantage of the improved AT&T coverage. Director Sisolak wanted to ensure that if another provider approached the SNWA to install similar facilities, they would be allowed to do so; Ms. Mulroy confirmed his request.

FINAL ACTION: A motion was made by Director Sisolak to follow staff's recommendation. The motion was approved.

8. **Make an appointment to fill a vacancy on the Integrated Resource Planning Advisory Committee.**

Ms. Mulroy indicated that Dwight Jones asked that Joyce Haldeman be appointed in his stead since his schedule prevented him from serving. Vice Chair Scow recommended appointment of Ms. Haldeman and noted her capabilities. Director Sisolak noted his concerns about moving forward with replacements as the meetings disseminate a large amount of information.

FINAL ACTION: A motion was made by Vice Chair Scow to follow staff's recommendation. The motion was approved.

9. **Receive an update from staff on water resources including, but not limited to, drought conditions in the Colorado River Basin, the results of the implementation of the Authority's Water Resource and Conservation Plans, activities on the Colorado River, and on the development of in-state water resources.**

Mr. Entsminger provided the Board with an update of drought conditions and local water use information. A copy of his presentation is included with these minutes.

Director Coffin asked about the status of Lake Mead Intake No. 3 and requested a standing intake update at future board meetings. Marc Jensen reported that approximately 1,200 feet of the total 15,000 feet has been drilled and that the tunnel boring machine averages approximately 50 feet a day of tunnel lining.

NO ACTION REQUIRED

Public Comment

Mary Joy Alderman, Las Vegas resident, read a copy of a letter provided to Commissioner Sisolak regarding the SNWA Infrastructure Surcharge.

Director Coffin noted that his property has a one-inch meter and he experienced a \$20 increase with his monthly bill. He also noted that he had understood that properties with one-inch meters were being subsidized by those properties with smaller meters. Ms. Mulroy noted that larger residential meters received more water in the lower tiers.

Vice Chair Scow noted that she had spoken with representatives of the 90-by-20 conservation campaign. Ms. Mulroy discussed the campaign, and noted that the SNWA has exceeded the goal and is currently at 75 gallons per person per day (residential).

Mr. Uehling suggested pushing all future rate increases to the higher water tiers.

Director Sisolak asked if there has been any education provided to the agriculture communities about more sustainable water efforts or technologies available to reduce water use. Ms. Mulroy noted that a number of groups have tried to make the effort; however, irrigation districts typically maintain large areas for farming. The irrigation districts use any water saved from technologies to farm additional land. Ms. Mulroy pointed out that the SNWA was working with a number of regional, national and international partners to provide mutually beneficial information to solving water challenges.

Adjournment

There being no further business to come before the board, the meeting adjourned at 9:40 a.m.

APPROVED:

Shari Buck, Chair

Patricia Mulroy, General Manager

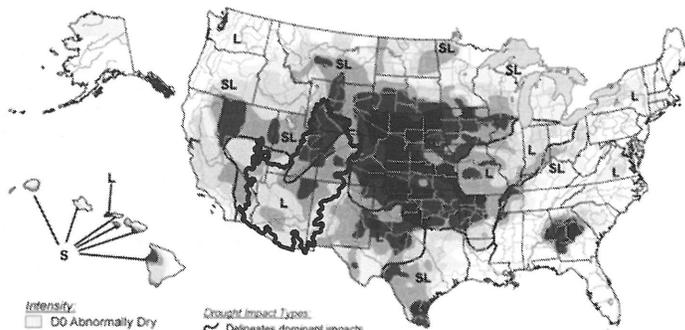
Copies of all original agenda items and minutes, including all attachments, are on file in the General Manager's office at the Las Vegas Valley Water District, 1001 South Valley View Boulevard, Las Vegas, Nevada.

Update on Drought Conditions and Water Use

September 20, 2012



Drought Monitor



Intensity

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Drought Impact Types

- ~ Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g. hydrology, ecology)

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu/>



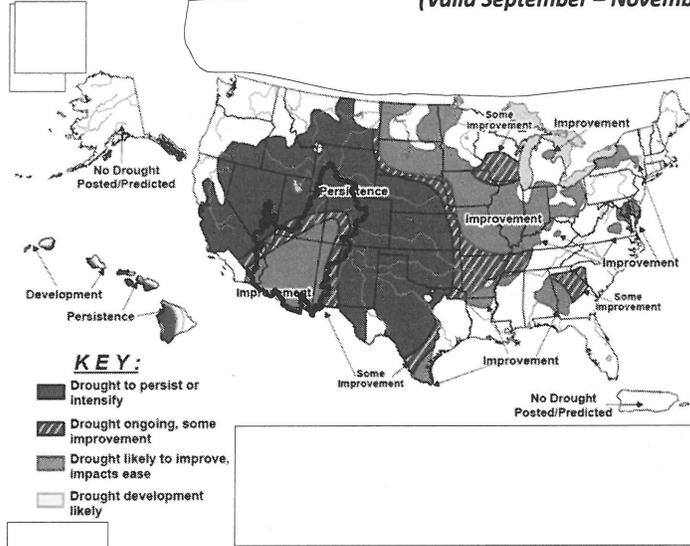
Released Thursday, September 13, 2012

Author: David Simeral, Western Regional Climate Center



Seasonal Drought Outlook

(Valid September – November 2012)



Source: National Oceanic Atmospheric Administration and the U.S. Department of Commerce

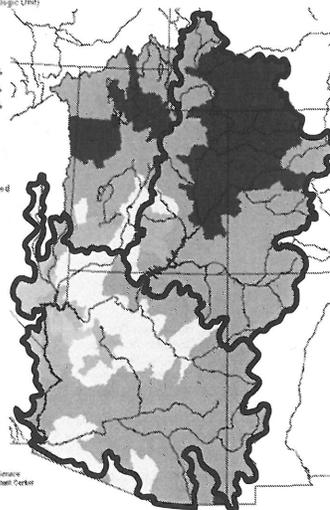
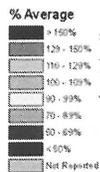


Colorado River Basin Conditions

Seasonal Precipitation, October 2011 - August 2012

(Averaged by Hydrologic Unit)

- **August inflow to Lake Powell:**
20% of average
- **Water Year 2012 Precipitation:**
74% of average
- **Forecasted Water Year 2012 Inflow to Lake Powell:**
46% of average



Prepared by:
F20AA, National Weather Service
Colorado Basin River Forecast Center
S&L, Salt Lake City, Utah
water@rtr.noaa.gov



Precipitation and Inflow Forecast – Lake Powell

2011 Water Year

Month	Actual Precipitation	Inflows Forecast
Jan	140%	110%
Feb	127%	105%
Mar	119%	105%
Apr	118%	111%
May	125%	128%
Jun	126%	138%
Jul	128%	139%
Aug	125%	142%
Sept	123%	140%
Actual	120%	139%

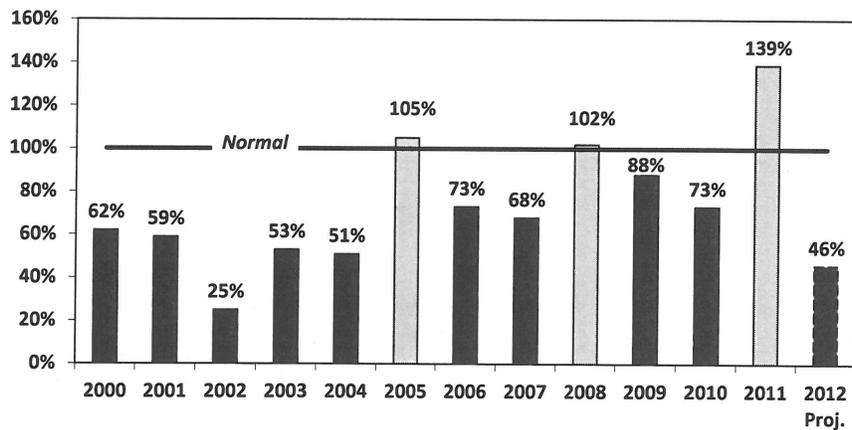
2012 Water Year

Actual Precipitation	Inflows Forecast
75%	79%
84%	78%
86%	80%
78%	63%
74%	51%
71%	47%
71%	46%
74%	48%
74%	46%

Source: Bureau of Reclamation, Lower Colorado Water Supply Reports



Historical and Projected Lake Powell Annual Inflows

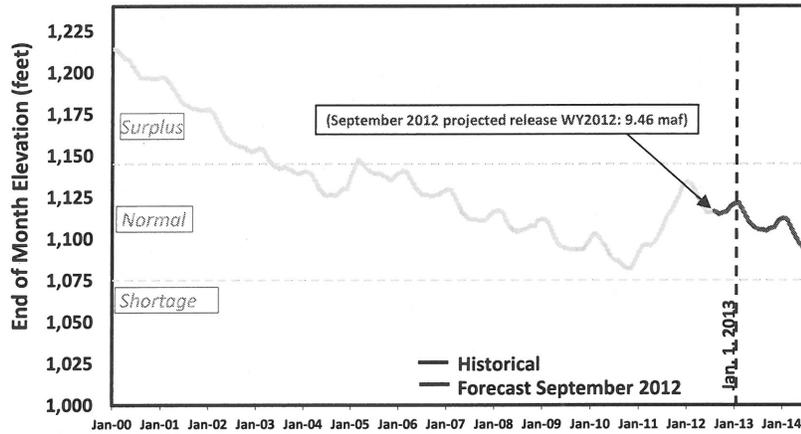


10-Year Average (2003-2012 projection): 80% of normal



Lake Mead Elevations

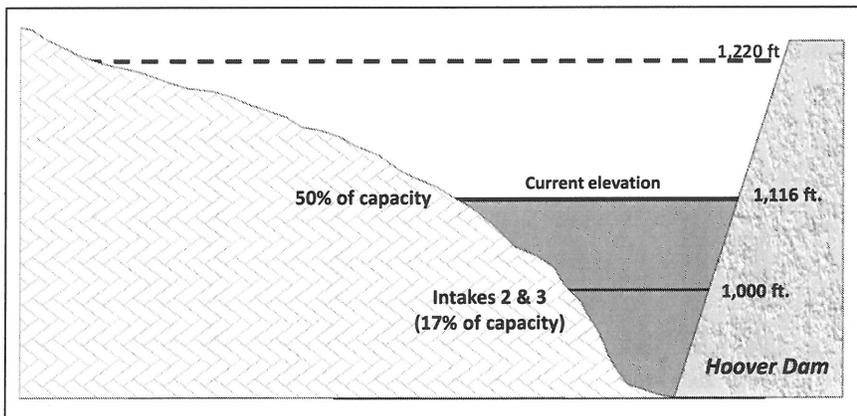
(Historical and Forecasted)



Source: Bureau of Reclamation, September 2012

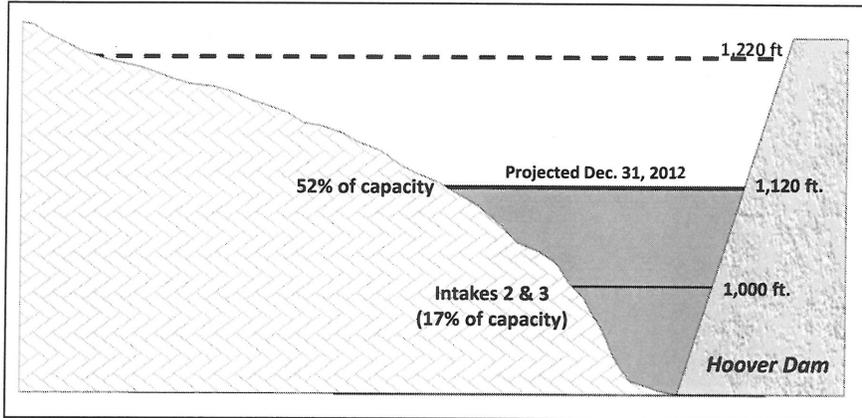


Lake Mead Capacity - Current





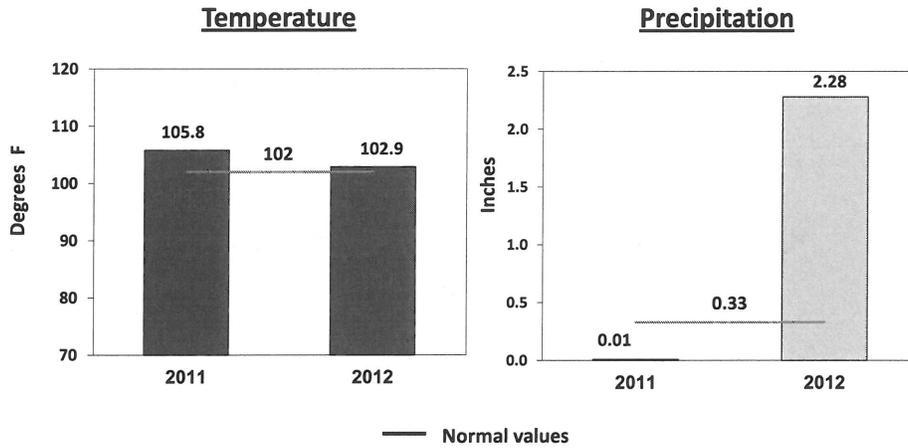
Lake Mead Capacity - Projected (12/31/12)



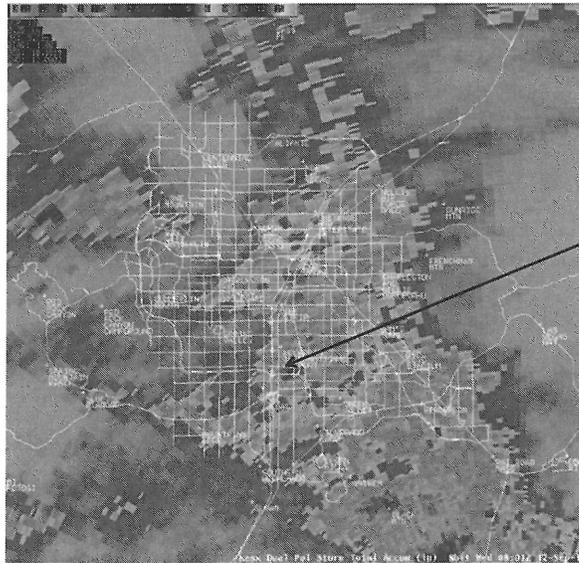
SNWA Water Use



Weather Comparison (August 2012)



Storm Total Precipitation Estimates, September 11, 2012

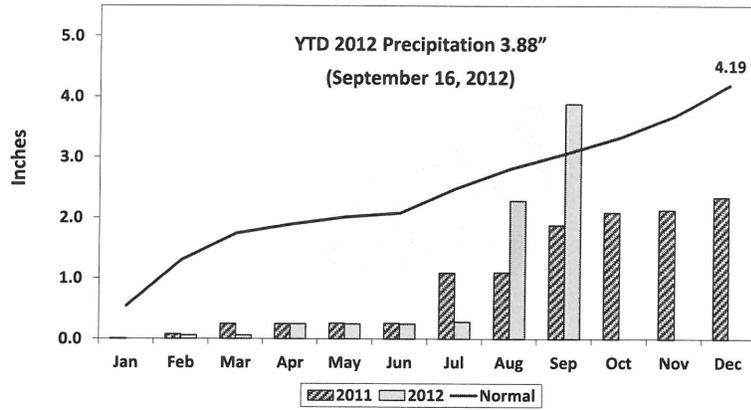


Record
1.18 inches

Source: National Weather Service



Annual Precipitation



SNWA Total Water Use

