

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
Boulder Canyon Operations Office
River Operations Group
Bruce Williams
P.O. Box 61470
Boulder City, NV 89006-1470
Phone: 702-293-8571

The operation of Lake Powell and Lake Mead in this December 2010 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2010 Annual Operating Plan (AOP) and draft 2011 AOP. Pursuant to the Interim Guidelines, the August 2010 24-Month Study projections of the January 1, 2011 system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2011.

The Lake Powell operational tier for water year 2011 is the Upper Elevation Balancing Tier. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar years 2010 and 2011.

Consistent with Section 6.B.4 of the Interim Guidelines, if the April 24-Month study projects the September 30 Lake Mead elevation to be below 1,075 feet and the September 30, Lake Powell elevation to be at or above 3,575 feet, the Secretary shall balance the contents of Mead and Powell but release not more than 9.0 maf. Consistent with this provision, the December 24-Month Study projects such an adjustment to occur in April, resulting in a water year release from Lake Powell of 9.0 maf.

Based on analysis of a range of inflow scenarios, the current probability of realizing an inflow volume that would trigger Equalization in 2011 is approximately 48 percent.

The Interim Guidelines are available for download at <http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.
The 2010 AOP is available for download at <http://www.usbr.gov/lc/region/g4000/AOP2010/AOP10.pdf>.
The draft 2011 AOP is available for download at http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP11_draft.pdf.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows: Observed unregulated inflow into Lake Powell for the month of November 2010 was 0.438 maf or 81% of the 30-year average. The forecast for December 2010 unregulated inflow into Lake Powell is 0.360 maf or 83% of the 30-year average. Observed 2010 April through July unregulated inflow was 5.80 maf or 73% of average.

In this study, the Calendar Year (CY) 2010 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 1.103 maf. The CY 2010 diversion for the Central Arizona Project (CAP) is forecasted to be 1.655 maf. Consumptive use for Nevada above Hoover is forecasted to be 0.235 maf for CY 2010.

Due to declining Lake Mead elevations, Hoover's generator capacity is adjusted based on estimated effective capacity and plant availability. The estimated effective capacity is based on projected Lake Mead elevations. Unit capacity tests will be performed as the lake elevation changes in 2-foot increments. This study reflects these changes in the projections.

Hoover, Davis, and Parker historical gross energy figures come from PO&M reports provided by the Lower Colorado Region's Power Management Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Larry Karr at (702) 293-8094.

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 12/2010 Most Prob Water Supply
Taylor Park Reservoir

07-Dec-2010 10:06:05

Regulated Inflow	Total Release 1000 Ac-Ft	Reservoir Elevation 1000 Feet	Live Storage 1000 Ac-Ft
* Dec 2009	4	6	9309.18
H Jan 2010	4	6	9307.90
I Feb 2010	4	6	9306.55
S Mar 2010	4	6	9305.31
T Apr 2010	11	6	9308.40
O May 2010	22	9	9316.36
R Jun 2010	35	18	9325.55
I Jul 2010	10	20	9320.19
C Aug 2010	10	17	9316.06
A Sep 2010	6	14	9311.57
WY 2010	121	122	72
L Oct 2010	7	6	9312.21
* Nov 2010	5	4	9312.27
Dec 2010	4	6	9311.04
Jan 2011	4	6	9309.54
Feb 2011	3	6	9307.61
Mar 2011	3	6	9305.63
Apr 2011	7	6	9305.96
May 2011	24	13	9312.94
Jun 2011	37	20	9322.55
Jul 2011	16	20	9320.39
Aug 2011	8	13	9317.61
Sep 2011	6	13	9313.54
WY 2011	123	120	76
Oct 2011	6	10	9310.85
Nov 2011	5	6	9310.02
Dec 2011	4	6	9309.05
Jan 2012	4	6	9307.90
Feb 2012	4	6	9306.45
Mar 2012	4	6	9305.28
Apr 2012	8	8	9305.84
May 2012	27	14	9314.13
Jun 2012	43	20	9326.66
Jul 2012	20	22	9325.85
Aug 2012	10	22	9319.46
Sep 2012	7	16	9314.30
WY 2012	143	141	77
Oct 2012	6	10	9312.00
Nov 2012	5	6	9311.33

O P E R A T I O N P L A N F O R C O L O R A D O R I V E R S Y S T E M R E S E R V O I R S

Bureau of Reclamation - CRFS 12/2010 Most Prob Water Supply
Vallecito Reservoir

07-Dec-2010 10:06:05

Regulated Inflow	Total Release 1000 Ac-Ft	Reservoir Elevation 1000 Feet	Live Storage 1000 Ac-Ft
* Dec 2009	4	3	7630.60
H Jan 2010	4	3	7631.27
I Feb 2010	3	4	7630.95
S Mar 2010	3	8	7628.45
T Apr 2010	27	4	7640.13
O May 2010	69	20	7660.32
R Jun 2010	46	42	7661.51
I Jul 2010	12	37	7651.21
C Aug 2010	19	33	7645.00
A Sep 2010	10	26	7637.70
WY 2010	209	195	59
L Oct 2010	12	13	7636.95
* Nov 2010	7	2	7639.20
Dec 2010	5	2	7640.65
Jan 2011	4	2	7641.71
Feb 2011	3	2	7642.51
Mar 2011	6	2	7644.29
Apr 2011	19	10	7647.89
May 2011	62	31	7660.16
Jun 2011	75	62	7664.83
Jul 2011	25	43	7657.79
Aug 2011	17	39	7648.63
Sep 2011	15	29	7641.99
WY 2011	249	237	69
Oct 2011	12	20	7638.28
Nov 2011	8	6	7639.19
Dec 2011	6	5	7639.84
Jan 2012	5	3	7640.79
Feb 2012	5	3	7641.62
Mar 2012	8	3	7643.80
Apr 2012	22	10	7648.71
May 2012	69	45	7658.36
Jun 2012	78	60	7664.84
Jul 2012	31	43	7660.05
Aug 2012	19	39	7651.98
Sep 2012	17	29	7646.76
WY 2012	280	266	79
Oct 2012	14	13	7646.99
Nov 2012	8	6	7647.98

