

October 24-Month Study
Date: October 13, 2011

From: Water Resources Group, Salt Lake City
To: All Colorado River Annual Operating Plan (AOP) Recipients

Current Reservoir Status

Reservoir	September Inflow (unregulated) (acre-feet)	Percent of Average (%)	October 12 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	49,000	91	6501.87	313,000
Flaming Gorge	58,000	89	6034.67	3,533,000
Blue Mesa	35,000	95	7509.67	743,000
Navajo	16,000	42	6059.53	1,342,000
Powell	547,000	115	3654.60	17,795,000

Expected Operations

The operation of Lake Powell and Lake Mead in this October 2011 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 2011 Annual Operating Plan (AOP) and draft 2012 AOP. Pursuant to the Interim Guidelines, the August 2011 24-Month Study projections of the January 1, 2012 system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2012.

Consistent with Section 6.A of the Interim Guidelines, the Lake Powell operational tier for water year 2012 is the Equalization Tier. The October 2011 24-Month Study projects the water year release volume from Lake Powell for 2012 to be 12.26 maf.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar years 2011 and 2012.

The Interim Guidelines are available for download at <http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2011 AOP is available for download at <http://www.usbr.gov/lc/region/g4000/aop/AOP11.pdf>.

The draft 2012 AOP is available for download at http://www.usbr.gov/lc/region/g4000/AOP2012/AOP12_draft.pdf .

Fontenelle Reservoir – Inflows for the month of September were 49 kaf, or 91% of average. The reservoir elevation is 6499 feet above sea level and 84% of capacity. Current inflows are approximately 900 cfs and reservoir releases are 1,200 cfs. Releases will likely be close to 1,200 cfs for the fall and winter months. The reservoir elevation will continue to decline through the fall and winter.

The Colorado Basin River Forecast Center has issued the water year 2012 (October 2011 to September 2012) forecast. At this early point, inflows over the next year are expected to be 1,140 kaf, or 92% of average. Inflows over the next three months are forecasted to be slightly above average: 52,000 acre-ft (100%), 47,000 acre-ft (107%) and 40,000 acre-ft (121%), for October, November, and December respectively.

The next Fontenelle Working Group meeting is scheduled for April 26, 2012 at 10:00 am at the Seedskadee National Wildlife Refuge visitor's center. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir.

Flaming Gorge Reservoir – Unregulated inflow into Flaming Gorge Reservoir during the month of September was 58,000 acre-feet (AF), or 89 percent of average inflow. Spring runoff has ended and the Yampa River and Green River above Flaming Gorge Reservoir are at base flows at an average daily release of 2,000 cfs/day. Releases in November are expected to decrease to an average daily release of approximately 1,500 cfs and remain at this level through the end of February. Flaming Gorge reservoir elevation is decreasing and expected to continue decreasing through the winter to meet the May 1 target elevation of 6027 feet.

The Colorado Basin River Forecast Center and Natural Resources Conservation Service have issued the joint water supply forecast for the next three months. The October forecast for October and November is 62 kaf (97 percent of average) and 57 kaf (104 percent of average), respectively.

Yampa River flows during the base flow period impact hourly release schedules because flows must remain within 0.1 meter stage change as measured at the USGS stream gage located on the Green River at Jensen, Utah. As the Yampa River flows decrease, the Flaming Gorge release schedule will change.

The next Flaming Gorge Working Group meeting is scheduled for April 18, 2012, at 1:00 p.m. at the Western Park Convention Center, 302 East 200 South, Vernal, Utah. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stake holders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation

at these meetings. For more information on this group and these meetings please contact Heather Hermansen at 801-524-3883 or Ed Vidmar at 801-379-1182.

Aspinall Unit Reservoirs - September unregulated inflow into Blue Mesa Reservoir was 35,000 acre-feet or 95 percent of average. Precipitation during September was observed to be about 70 percent of average. The current inflow rate into Blue Mesa Reservoir is about 700 cfs and reservoir releases are averaging about 1,700 cfs. Blue Mesa's present elevation is 7501.34 feet, which corresponds to a storage content of about 672,000 acre-feet. The unregulated reservoir inflow into Blue Mesa Reservoir during water year 2011 was 1,162,000 acre-feet, or about 123 percent of average.

Releases from Crystal are currently set at 1600 cfs. The current diversion rate through the Gunnison Diversion Tunnel is about 800 cfs, which results in a river flow below the diversion tunnel of approximately 800 cfs. As the irrigation season comes to a close decreases in Crystal releases will occur as the demand for irrigation water is reduced and the Gunnison Tunnel flows are shut off. Flows in the Gunnison River below the tunnel will gradually be reduced to 500 to 600 cfs through the late fall and early winter months.

The last meeting of the "Aspinall Unit Working Group" was held on Thursday August 18th in the Elk Creek Visitors Center at Blue Mesa Reservoir. Spring and summer operations were reviewed and future fall and winter reservoir operations were discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

Navajo Reservoir - As a result of forecasted cooler, wetter conditions in the San Juan River Basin, the Bureau of Reclamation decreased the release from Navajo Reservoir to 500 cubic cfs on Thursday, October 6, 2010. Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

This scheduled release change is subject to changes in river flows and weather conditions. Reclamation will continue to closely monitor weather and stream flow conditions and make adjustments to the Navajo Reservoir release as necessary.

Precipitation for the month of September in the San Juan River basin was about 80 percent of average. Unregulated inflow into Navajo Reservoir during the month of September was 16,000 acre-feet, or 42 percent of average. Currently, the daily reservoir inflow is averaging about 750 cfs. Diversions for NIIP are currently 100 cfs. The reservoir water surface elevation is at 6058.52 feet, which corresponds to a storage content of about 1,329,000 acre-feet.

The unregulated reservoir inflow into Navajo Reservoir during water year 2011 was recorded at 646,000 acre-feet, or about 64 percent of average. The reservoir had a

seasonal peak elevation of 6068.67 feet on July 1, 2011. This year's spring peak operations happened over June 8th through June 14th when releases of 5,000 cfs were made. Release flows started to decrease on June 15th and reached 500 cfs on Friday, June 17th.

A public meeting on Navajo Reservoir operations was held on Tuesday, August 30, 2011 at 1:00 p.m. in Farmington, New Mexico. At this meeting, review of last spring and summer reservoir operations, and plans for this fall and winter 2011/2012 operations were discussed. These are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Ryan Christianson in Reclamation's Durango, Colorado Office at (970) 385-6590 for information about these meetings or the daily operation of Navajo Reservoir.

Glen Canyon Dam / Lake Powell – During September 2011 the unregulated inflow volume to Lake Powell was 532 kaf (112% of average). This was approximately 93 kaf below what was projected in the September 24-Month Study and resulted in the elevation of Lake Powell ending September about 0.92 feet below what was projected in the September 24-Month Study. The September 30th, 2011 elevation of Lake Powell was 3653.01 feet above sea level which corresponds to a live storage of approximately 17.59 maf and 72.3% of the full capacity of 24.32 maf.

For water year 2011, the observed unregulated inflow volume to Lake Powell was 16.77 maf (139% of average for the 1971-2000 historical period of record). The 2011 water year unregulated inflow volume was the 6th wettest out of 48 years since the closure of Glen Canyon Dam (1963). Water year unregulated inflow volumes of the magnitude observed in water year 2011 (or greater) would statistically be expected to occur in about 12-14% of all years.

The 2011 water year release volume from Glen Canyon Dam was 12.52 maf and this was the largest water year release volume made from Glen Canyon Dam since water year 1998. During water year 2011 the above average inflow volume combined with the large water year release volume from Glen Canyon Dam resulted in Lake Powell realizing a net gain in elevation (year over year) of 19.35 feet which translates to an increase in live storage in Lake Powell of 2.32 maf.

Current Dam Operations

Releases from Glen Canyon Dam are now being made for a steady flow experiment that will continue to the end of October. Releases from Glen Canyon Dam are steady at approximately 15,500 cfs and will likely remain at the level through October 31, 2011 to complete the 2 month steady flow experiment.

In early November through November 10, 2011, releases will likely continue to be steady near 15,500 cfs due to ongoing maintenance work at Glen Canyon Powerplant on units 5

and 6. On or about November 11, 2011 releases will likely be increased to approximately 22,600 cfs when units 5 and 6 are returned to service. The projected release volume for November is 1200 kaf.

While the release rate from Glen Canyon Dam over the next several months will likely be near steady, the instantaneous releases from Glen Canyon Dam may fluctuate somewhat to provide 40 MW of system regulation. These instantaneous release adjustments maintain stable conditions within the electrical generation and transmission system and result in momentary release fluctuations within a range of about 1100 cfs above or below the targeted hourly release rate. The momentary fluctuations for regulation are very short lived and typically balance out over the hour.

Spinning and non-spinning reserve generation is also maintained at Glen Canyon Dam. In order for Colorado River Storage Project (CRSP) powerplants to participate in the electrical generation and transmissions system, these powerplants must maintain a level of generation capacity available in reserve to assist the local control area for when unanticipated generation outages occur. The current CRSP powerplant reserve requirement is 100 MW (equivalent to approximately 2,675 cfs of release from Glen Canyon Dam). When an electrical outage occurs within the control area, CRSP powerplants can be called upon to provide up to 100 MW of additional generation for up to 2 hours. Under normal circumstances, calls for reserves are infrequent and for much less than the required 100 MW. Because Glen Canyon Powerplant is the largest facility of the CRSP powerplants, most of the CRSP reserve requirement is maintained at Glen Canyon Dam.

Current Inflow Forecasts and Model Projections

Over the next three months (October, November and December) the forecasted unregulated inflow to Lake Powell is projected to be above average with monthly percent of average forecasts of 119%, 115% and 120%, respectively. The hydrologic outlook forecast for water year 2012 has been revised in October and now projects that the most probable (median) unregulated inflow volume to be 11.6 maf (96% of average based on the period from 1971 through 2000). Based on this revised hydrologic outlook forecast, the October 24-Month Study projects the annual release volume for water year 2012 will likely be 12.26 maf. The October 24-Month Study also projects that the end of water year reservoir elevation and storage for Lake Powell will likely be 3645.00 feet (55.00 feet from full pool) and 16.60 maf (68% of capacity), respectively.

Upper Colorado River Basin Hydrology

Since water year 2005, hydrologic conditions in the Upper Colorado River Basin have been slightly below average with significant variability from year to year. The unregulated inflow to Lake Powell, which is a good measure of the hydrologic condition in the Colorado River Basin, has averaged 11.15 maf per year during the period from 2005 through 2011. This is slightly below the official average of 12.04 maf per year. The hydrologic variability during this period has been from a low water year unregulated

inflow of 8.40 maf (70% of average) in water year 2006 to a high of over 16.77 maf (139% of average) which occurred in water year 2011.

Overall reservoir storage in the Colorado River Basin has increased by nearly 10 maf since the beginning of water year 2005 and this is a significant improvement over the drought conditions during water years 2000 through 2004. On October 1, 2004, the beginning of water year 2005, the total reservoir storage in the Colorado River Basin was 29.84 maf (50.2% of capacity). As of October 12, 2011, the total reservoir storage in the Colorado River Basin was 38.62 maf (64.9% of capacity).

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION

WATER RESOURCES GROUP

ATTENTION UC-430

125 SOUTH STATE STREET, ROOM 6107

SALT LAKE CITY, UT 84138-5571

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RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:			Obs		sep	Forecast		
:	jun	jul	aug	sep	%Avg	oct	nov	dec
GLDA3:Lake Powell	5409	4330	859	547	115%:	650/	625/	525/
GBRW4:Fontenelle	429	539	118	49	91%:	52/	47/	40/
GRNU1:Flaming Gorge	668	772	144	58	89%:	62/	57/	50/
BMDC2:Blue Mesa	425	223	67	35	95%:	41/	35/	32/
MPSC2:Morrow Point	455	231	68	36	92%:	44/	37/	34/
CLSC2:Crystal	516	255	75	39	81%:	50/	42/	40/
TPIC2:Taylor Park	65	37	11.6	7.2	101%:	7.8/	7/	6.3/
VCRC2:Vallecito	79	23	9.6	7.6	46%:	9.1/	6.5/	4.8/
NVRN5:Navajo	252	40	3.2	16.3	42%:	26/	28/	20/
LEMC2:Lemon	24	4.0	2.1	1.76	45%:	2/	1.09/	0.85/
MPHC2:McPhee	108	23	14.9	11.0	89%:	10.5/	5.7/	4.2/

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow* Fontenelle Reservoir



	Regulated Inflow	Evap Losses	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Oct 2010	31	1	5	55	59	6493.24	250
H Nov 2010	34	1	53	1	54	6490.17	229
I Dec 2010	37	1	55	0	55	6487.27	210
S Jan 2011	29	1	55	0	55	6482.87	183
T Feb 2011	26	1	50	0	50	6478.35	158
O Mar 2011	36	1	58	0	58	6473.74	136
R Apr 2011	92	1	84	15	100	6471.99	128
I May 2011	161	1	89	79	168	6470.20	120
C Jun 2011	429	1	87	283	370	6481.96	178
A Jul 2011	539	2	110	313	424	6498.87	290
L Aug 2011	118	2	88	1	89	6502.38	317
* Sep 2011	49	2	66	0	66	6499.90	298
WY 2011	1581	14	801	747	1549		
Oct 2011	52	1	74	0	74	6496.78	275
Nov 2011	47	1	71	0	71	6493.24	250
Dec 2011	40	1	74	0	74	6488.06	216
Jan 2012	36	1	74	0	74	6481.85	177
Feb 2012	35	1	69	0	69	6475.21	143
Mar 2012	52	0	74	0	74	6470.30	120
Apr 2012	86	1	74	0	74	6472.80	131
May 2012	180	1	101	4	105	6486.52	205
Jun 2012	315	2	104	116	220	6499.88	298
Jul 2012	168	3	101	22	123	6505.33	340
Aug 2012	75	2	86	0	86	6503.64	327
Sep 2012	54	2	71	0	71	6501.22	308
WY 2012	1140	15	972	142	1115		
Oct 2012	52	1	73	0	73	6498.28	286
Nov 2012	43	1	71	0	71	6494.32	258
Dec 2012	32	1	73	0	73	6488.11	216
Jan 2013	30	1	73	0	73	6480.99	172
Feb 2013	28	1	66	0	66	6473.31	134
Mar 2013	52	0	73	0	73	6468.22	112
Apr 2013	89	1	83	0	83	6469.54	117
May 2013	176	1	99	6	105	6483.61	187
Jun 2013	307	2	103	90	193	6500.01	299
Jul 2013	185	3	101	38	138	6505.70	343
Aug 2013	82	2	86	0	86	6504.93	337
Sep 2013	48	2	71	0	71	6501.75	312
WY 2013	1126	15	973	134	1107		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Oct 2010	32	60	7	77	0	77	126	6024.21	3131	113
H	Nov 2010	31	52	4	63	0	63	125	6023.83	3117	107
I	Dec 2010	45	64	2	68	0	68	125	6023.67	3111	114
S	Jan 2011	44	70	2	68	0	68	125	6023.69	3112	525
T	Feb 2011	36	60	2	67	0	67	125	6023.47	3104	489
O	Mar 2011	98	120	3	59	0	59	127	6024.99	3160	181
R	Apr 2011	159	166	5	172	0	172	127	6024.71	3150	472
I	May 2011	327	334	8	279	47	326	127	6024.73	3150	1108
C	Jun 2011	667	608	10	254	173	427	133	6029.11	3315	1570
A	Jul 2011	771	656	14	263	94	357	144	6036.07	3590	908
L	Aug 2011	144	115	13	148	0	148	142	6034.95	3544	243
*	Sep 2011	58	76	11	144	0	144	139	6033.03	3467	200
WY 2011		2414	2381	80	1661	314	1975				6029
	Oct 2011	62	84	8	123	0	123	138	6031.89	3423	123
	Nov 2011	57	81	4	94	0	94	137	6031.50	3407	94
	Dec 2011	50	84	2	92	0	92	137	6031.25	3397	92
	Jan 2012	45	83	2	92	0	92	136	6030.97	3387	92
	Feb 2012	45	79	2	86	0	86	136	6030.74	3377	86
	Mar 2012	75	97	3	176	0	176	133	6028.69	3299	176
	Apr 2012	117	105	5	173	0	173	130	6026.85	3229	173
	May 2012	240	165	8	203	0	203	128	6025.66	3185	203
	Jun 2012	380	285	10	193	0	193	131	6027.75	3263	193
	Jul 2012	183	138	13	98	0	98	132	6028.41	3288	98
	Aug 2012	84	95	13	98	0	98	132	6028.01	3273	98
	Sep 2012	62	79	11	95	0	95	131	6027.31	3246	95
WY 2012		1400	1375	80	1524	0	1524				1524
	Oct 2012	61	82	7	98	0	98	130	6026.71	3224	98
	Nov 2012	51	79	3	95	0	95	129	6026.22	3205	95
	Dec 2012	36	77	2	98	0	98	128	6025.62	3183	98
	Jan 2013	41	84	2	98	0	98	127	6025.20	3168	98
	Feb 2013	46	84	2	89	0	89	127	6025.02	3161	89
	Mar 2013	104	125	3	98	0	98	128	6025.64	3184	98
	Apr 2013	142	136	5	95	0	95	129	6026.58	3219	95
	May 2013	265	193	8	133	0	133	131	6027.90	3269	133
	Jun 2013	399	285	10	205	0	205	134	6029.64	3335	205
	Jul 2013	218	171	14	98	0	98	136	6031.12	3392	98
	Aug 2013	96	100	13	98	0	98	136	6030.84	3382	98
	Sep 2013	58	81	11	95	0	95	135	6030.22	3357	95
WY 2013		1518	1499	80	1304	0	1304				1304

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast



Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
* Oct 2010	7	6	9312.21	73
H Nov 2010	5	5	9312.27	74
I Dec 2010	5	5	9312.71	74
S Jan 2011	5	5	9312.70	74
T Feb 2011	4	4	9312.51	74
O Mar 2011	5	6	9311.89	73
R Apr 2011	7	8	9311.44	72
I May 2011	22	33	9304.21	61
C Jun 2011	65	28	9326.09	98
A Jul 2011	37	39	9325.07	96
L Aug 2011	12	24	9318.44	84
* Sep 2011	7	20	9310.68	71
WY 2011	179	181		
Oct 2011	8	10	9309.30	69
Nov 2011	7	6	9309.93	70
Dec 2011	6	6	9310.12	70
Jan 2012	6	6	9309.87	70
Feb 2012	5	6	9309.04	68
Mar 2012	5	6	9308.34	67
Apr 2012	9	12	9306.44	64
May 2012	27	20	9310.93	71
Jun 2012	42	24	9321.33	89
Jul 2012	18	24	9317.74	83
Aug 2012	9	22	9309.93	70
Sep 2012	7	16	9304.14	61
WY 2012	148	158		
Oct 2012	6	10	9301.55	57
Nov 2012	5	6	9300.80	56
Dec 2012	4	6	9299.67	55
Jan 2013	4	6	9298.33	53
Feb 2013	4	6	9296.78	51
Mar 2013	4	6	9295.40	49
Apr 2013	8	8	9295.67	49
May 2013	27	14	9305.29	63
Jun 2013	43	20	9319.24	86
Jul 2013	20	20	9319.47	86
Aug 2013	10	20	9313.73	76
Sep 2013	7	16	9308.13	67
WY 2013	144	138		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

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October 2011 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir



	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2010	29	29	1	85	0	85	7486.20	552
H	Nov 2010	27	27	0	24	0	24	7486.60	555
I	Dec 2010	30	29	0	27	0	27	7486.84	557
S	Jan 2011	23	23	0	27	0	27	7486.34	553
T	Feb 2011	21	21	0	43	0	43	7483.46	532
O	Mar 2011	38	39	0	75	0	75	7478.48	495
R	Apr 2011	77	78	1	95	0	95	7475.97	477
I	May 2011	168	179	1	162	0	162	7478.26	493
C	Jun 2011	425	389	1	127	19	146	7508.73	735
A	Jul 2011	222	222	2	150	0	150	7516.80	806
L	Aug 2011	67	79	1	123	0	123	7511.67	760
*	Sep 2011	35	48	1	108	0	108	7504.54	699
WY 2011		1162	1163	8	1046	19	1065		
	Oct 2011	41	43	1	81	0	81	7499.93	661
	Nov 2011	35	34	0	43	0	43	7498.76	651
	Dec 2011	32	32	0	101	0	101	7490.00	581
	Jan 2012	29	29	0	82	0	82	7483.07	529
	Feb 2012	25	26	0	62	0	62	7478.16	493
	Mar 2012	34	35	0	38	0	38	7477.70	489
	Apr 2012	78	81	1	47	0	47	7482.26	523
	May 2012	206	199	1	102	0	102	7494.72	619
	Jun 2012	255	237	1	64	0	64	7515.03	790
	Jul 2012	105	112	2	98	0	98	7516.40	802
	Aug 2012	52	65	1	122	0	122	7509.83	744
	Sep 2012	43	52	1	116	0	116	7502.16	679
WY 2012		935	945	9	956	0	956		
	Oct 2012	40	44	1	70	0	70	7498.91	652
	Nov 2012	32	33	0	40	0	40	7498.07	646
	Dec 2012	25	27	0	91	0	91	7490.00	581
	Jan 2013	24	26	0	79	0	79	7482.99	528
	Feb 2013	22	24	0	54	0	54	7478.87	498
	Mar 2013	34	36	0	36	0	36	7478.80	497
	Apr 2013	73	73	1	48	0	48	7482.08	521
	May 2013	212	199	1	107	0	107	7493.90	612
	Jun 2013	271	248	1	66	0	66	7515.32	793
	Jul 2013	121	120	2	109	0	109	7516.40	802
	Aug 2013	62	72	1	122	0	122	7510.58	751
	Sep 2013	36	45	1	113	0	113	7502.51	682
WY 2013		953	947	9	935	0	935		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2010	30	85	1	86	82	0	82	7153.88	112
H	Nov 2010	29	24	1	25	26	0	26	7152.79	111
I	Dec 2010	30	27	0	28	27	0	27	7153.98	112
S	Jan 2011	23	27	0	27	27	0	27	7153.70	112
T	Feb 2011	21	43	0	43	44	0	44	7152.08	111
O	Mar 2011	38	75	1	75	73	0	73	7154.37	113
R	Apr 2011	84	95	7	102	104	0	104	7152.20	111
I	May 2011	191	162	23	185	181	0	181	7156.18	114
C	Jun 2011	455	146	30	176	170	0	176	7155.72	114
A	Jul 2011	231	150	9	159	159	0	159	7155.22	113
L	Aug 2011	68	123	1	125	124	0	124	7155.77	114
*	Sep 2011	36	108	1	109	115	0	115	7148.00	108
WY 2011		1236	1065	74	1139	1133	0	1139		
	Oct 2011	44	81	3	84	80	0	80	7153.73	112
	Nov 2011	37	43	2	45	45	0	45	7153.73	112
	Dec 2011	34	101	2	103	103	0	103	7153.73	112
	Jan 2012	32	82	3	85	85	0	85	7153.73	112
	Feb 2012	27	62	2	64	64	0	64	7153.73	112
	Mar 2012	37	38	3	41	41	0	41	7153.73	112
	Apr 2012	90	47	12	59	59	0	59	7153.73	112
	May 2012	230	102	24	126	126	0	126	7153.73	112
	Jun 2012	275	64	20	84	84	0	84	7153.73	112
	Jul 2012	112	98	7	105	105	0	105	7153.73	112
	Aug 2012	56	122	4	126	126	0	126	7153.73	112
	Sep 2012	46	116	3	119	119	0	119	7153.73	112
WY 2012		1020	956	85	1041	1037	0	1037		
	Oct 2012	43	70	3	73	73	0	73	7153.73	112
	Nov 2012	35	40	2	42	42	0	42	7153.73	112
	Dec 2012	27	91	2	93	93	0	93	7153.73	112
	Jan 2013	26	79	2	81	81	0	81	7153.73	112
	Feb 2013	25	54	3	57	57	0	57	7153.73	112
	Mar 2013	38	36	4	40	40	0	40	7153.73	112
	Apr 2013	84	48	11	59	59	0	59	7153.73	112
	May 2013	237	107	25	132	132	0	132	7153.73	112
	Jun 2013	292	66	21	87	87	0	87	7153.73	112
	Jul 2013	127	109	7	116	116	0	116	7153.73	112
	Aug 2013	65	122	4	126	126	0	126	7153.73	112
	Sep 2013	39	113	3	116	116	0	116	7153.73	112
WY 2013		1039	935	86	1022	1022	0	1022		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*
Crystal Reservoir



Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
* Oct 2010	34	82	4	86	85	0	85	6750.41	16	51	33
H Nov 2010	32	26	4	30	30	0	30	6748.60	16	1	29
I Dec 2010	34	27	4	31	31	0	31	6748.24	16	1	30
S Jan 2011	27	27	4	31	30	1	31	6749.02	16	1	30
T Feb 2011	24	44	3	47	24	23	46	6751.55	17	1	47
O Mar 2011	43	73	5	78	78	0	78	6751.94	17	5	76
R Apr 2011	92	104	8	112	110	2	112	6752.03	17	38	79
I May 2011	204	181	13	195	126	68	194	6753.39	17	63	137
C Jun 2011	516	176	61	237	120	81	237	6752.90	17	62	183
A Jul 2011	255	159	23	182	128	58	186	6739.47	13	62	136
L Aug 2011	75	124	7	131	126	2	129	6748.39	16	66	70
* Sep 2011	39	115	4	119	120	0	120	6744.21	14	64	63
WY 2011	1375	1139	139	1278	1008	235	1279			413	913
Oct 2011	50	80	6	86	83	0	83	6753.04	17	30	53
Nov 2011	42	45	5	50	50	0	50	6753.04	17	0	50
Dec 2011	40	103	6	109	109	0	109	6753.04	17	0	109
Jan 2012	40	85	8	93	93	0	93	6753.04	17	0	93
Feb 2012	32	64	5	69	69	0	69	6753.04	17	0	69
Mar 2012	43	41	6	47	47	0	47	6753.04	17	5	42
Apr 2012	103	59	13	72	72	0	72	6753.04	17	30	42
May 2012	260	126	30	156	134	22	156	6753.04	17	55	101
Jun 2012	305	84	30	114	114	0	114	6753.04	17	60	54
Jul 2012	129	105	17	122	122	0	122	6753.04	17	65	57
Aug 2012	64	126	8	134	134	0	134	6753.04	17	65	69
Sep 2012	52	119	6	125	125	0	125	6753.04	17	55	70
WY 2012	1160	1037	140	1177	1152	22	1174			365	809
Oct 2012	49	73	6	79	79	0	79	6753.04	17	30	49
Nov 2012	40	42	5	47	47	0	47	6753.04	17	0	47
Dec 2012	32	93	5	98	98	0	98	6753.04	17	0	98
Jan 2013	31	81	5	86	86	0	86	6753.04	17	0	86
Feb 2013	29	57	4	61	61	0	61	6753.04	17	0	61
Mar 2013	46	40	7	47	47	0	47	6753.04	17	5	42
Apr 2013	96	59	12	71	71	0	71	6753.04	17	30	41
May 2013	272	132	35	167	134	33	167	6753.04	17	55	112
Jun 2013	330	87	38	125	125	0	125	6753.04	17	60	65
Jul 2013	144	116	17	133	133	0	133	6753.04	17	65	68
Aug 2013	74	126	8	134	134	0	134	6753.04	17	65	69
Sep 2013	45	116	6	122	122	0	122	6753.04	17	55	67
WY 2013	1189	1022	150	1172	1138	33	1172			365	807

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2010	12	13	7636.95	58
H	Nov 2010	7	2	7639.20	63
I	Dec 2010	6	2	7641.20	67
S	Jan 2011	5	2	7642.53	70
T	Feb 2011	4	2	7643.62	72
O	Mar 2011	7	2	7645.67	77
R	Apr 2011	22	4	7653.10	95
I	May 2011	44	27	7659.70	111
C	Jun 2011	79	64	7664.94	125
A	Jul 2011	23	39	7658.78	109
L	Aug 2011	10	37	7647.29	81
*	Sep 2011	8	29	7637.58	59
WY 2011		226	222		
	Oct 2011	9	17	7633.62	51
	Nov 2011	7	1	7636.14	56
	Dec 2011	5	2	7637.72	60
	Jan 2012	4	2	7638.93	62
	Feb 2012	3	1	7639.82	64
	Mar 2012	6	2	7641.81	68
	Apr 2012	20	2	7649.43	86
	May 2012	64	31	7662.14	118
	Jun 2012	75	68	7664.54	124
	Jul 2012	26	42	7658.44	108
	Aug 2012	17	38	7649.91	87
	Sep 2012	14	30	7643.19	71
WY 2012		250	235		
	Oct 2012	12	17	7640.82	66
	Nov 2012	8	3	7642.91	71
	Dec 2012	6	3	7644.07	73
	Jan 2013	5	3	7644.86	75
	Feb 2013	5	3	7645.60	77
	Mar 2013	8	3	7647.66	81
	Apr 2013	22	3	7655.36	100
	May 2013	69	51	7662.41	118
	Jun 2013	78	71	7664.73	125
	Jul 2013	31	42	7660.50	113
	Aug 2013	19	38	7653.01	94
	Sep 2013	17	30	7647.72	82
WY 2013		280	267		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*
Navajo Reservoir



	Mod Unreg Inflow	Azetea Tunnel Div	Reg Inflow	Evap Losses	NIP Diversion	Total Release	Reservoir Elev End of Month	Live Storage	Farmington Flow
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Oct 2010	24	0	26	2	8	36	6063.49	1393	46
H Nov 2010	17	0	12	1	1	29	6062.08	1374	46
I Dec 2010	23	0	19	1	1	30	6061.11	1362	42
S Jan 2011	16	0	13	1	1	31	6059.58	1342	50
T Feb 2011	18	0	15	1	1	28	6058.41	1328	45
O Mar 2011	41	2	35	2	4	31	6058.28	1326	46
R Apr 2011	115	14	84	2	19	31	6060.75	1357	44
I May 2011	172	22	134	4	28	32	6066.13	1428	79
C Jun 2011	252	43	193	4	42	113	6068.65	1462	295
A Jul 2011	40	8	46	5	48	31	6065.88	1424	98
L Aug 2011	3	2	29	4	47	46	6060.64	1356	47
* Sep 2011	16	2	36	3	20	42	6058.35	1327	
WY 2011	738	93	642	28	220	479			838
Oct 2011	26	1	32	2	6	33	6057.70	1319	33
Nov 2011	28	1	22	1	0	30	6057.02	1310	30
Dec 2011	20	0	17	1	0	31	6055.83	1296	31
Jan 2012	19	0	16	1	0	31	6054.61	1281	31
Feb 2012	25	0	23	1	0	29	6054.07	1274	29
Mar 2012	71	3	64	2	2	31	6056.51	1304	31
Apr 2012	136	17	102	2	17	30	6060.70	1357	30
May 2012	260	46	181	4	31	57	6067.49	1446	57
Jun 2012	230	32	191	4	46	146	6067.12	1441	146
Jul 2012	54	7	63	5	51	34	6065.17	1415	34
Aug 2012	29	2	48	4	43	53	6061.21	1363	53
Sep 2012	32	0	47	3	24	36	6059.96	1347	36
WY 2012	930	108	806	28	220	538			538
Oct 2012	34	1	37	2	6	31	6059.87	1346	31
Nov 2012	30	1	25	1	0	30	6059.42	1340	30
Dec 2012	24	0	21	1	0	31	6058.61	1330	31
Jan 2013	22	0	20	1	0	31	6057.70	1319	31
Feb 2013	30	0	29	1	0	28	6057.71	1319	28
Mar 2013	88	3	81	2	2	31	6061.39	1366	31
Apr 2013	174	15	140	3	17	30	6068.24	1456	30
May 2013	279	37	222	4	31	144	6071.41	1500	144
Jun 2013	246	31	208	4	46	259	6063.90	1398	259
Jul 2013	74	6	79	5	51	44	6062.37	1378	44
Aug 2013	43	2	60	4	43	45	6059.87	1346	45
Sep 2013	42	0	54	3	24	38	6059.00	1335	38
WY 2013	1087	96	977	28	220	741			741

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Lake Powell



	Date	Unreg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	PowerPlant Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Bank Storage (1000 Ac-Ft)	EOM Storage (1000 Ac-Ft)	Lees Ferry (1000 Ac-Ft)
*	Oct 2010	362	512	41	495	0	495	3634.08	17976	15315	502
H	Nov 2010	438	474	39	810	0	810	3630.31	18029	14888	826
I	Dec 2010	416	446	30	847	0	847	3626.54	18017	14469	865
S	Jan 2011	381	429	9	997	0	997	3620.55	18086	13822	1015
T	Feb 2011	317	377	10	964	0	964	3614.95	18076	13235	984
O	Mar 2011	579	581	16	1033	0	1033	3610.73	18039	12804	1055
R	Apr 2011	977	937	25	940	0	940	3611.93	17890	12926	965
I	May 2011	2178	2205	30	1171	0	1171	3623.13	17722	14098	1207
C	Jun 2011	5408	4866	54	1377	0	1377	3648.98	18166	17089	1419
A	Jul 2011	4328	3756	74	1483	0	1483	3660.86	18849	18605	1532
L	Aug 2011	858	974	74	1479	0	1479	3655.34	18986	17890	1530
*	Sep 2011	532	744	67	922	0	922	3653.01	19037	17593	957
WY	2011	16774	16301	467	12518	0	12518				12856
	Oct 2011	650	758	46	953	0	953	3651.24	19062	17371	953
	Nov 2011	625	673	43	1200	0	1200	3646.98	19020	16842	1200
	Dec 2011	525	647	34	1200	0	1200	3642.50	18976	16300	1200
	Jan 2012	475	587	10	1000	0	1000	3639.19	18945	15908	1000
	Feb 2012	450	532	11	800	0	800	3636.98	18924	15649	800
	Mar 2012	675	744	19	900	0	900	3635.58	18911	15487	900
	Apr 2012	1050	1002	29	1000	0	1000	3635.36	18909	15462	1000
	May 2012	2250	1984	36	1000	0	1000	3642.83	18979	16340	1000
	Jun 2012	2750	2366	58	1100	0	1100	3651.94	19069	17458	1100
	Jul 2012	1150	1095	71	1171	0	1171	3650.85	19058	17322	1171
	Aug 2012	525	678	70	1100	0	1100	3647.17	19021	16867	1100
	Sep 2012	475	610	63	833	0	833	3645.00	19000	16601	833
WY	2012	11600	11675	490	12257	0	12257				12257
	Oct 2012	525	597	43	861	0	861	3642.64	18977	16316	861
	Nov 2012	529	581	41	600	0	600	3642.17	18973	16260	600
	Dec 2012	414	549	33	800	0	800	3639.95	18952	15998	800
	Jan 2013	384	505	10	800	0	800	3637.55	18929	15715	800
	Feb 2013	398	470	11	800	0	800	3634.82	18904	15399	800
	Mar 2013	628	571	18	600	0	600	3634.44	18901	15356	600
	Apr 2013	950	766	29	850	0	850	3633.52	18892	15251	850
	May 2013	2161	1858	35	950	0	950	3640.48	18957	16059	950
	Jun 2013	2811	2503	57	1050	0	1050	3651.09	19060	17352	1050
	Jul 2013	1346	1240	71	1200	0	1200	3650.86	19058	17323	1200
	Aug 2013	566	676	70	1084	0	1084	3647.29	19023	16880	1084
	Sep 2013	460	594	63	700	0	700	3646.00	19010	16723	700
WY	2013	11172	10910	483	10295	0	10295				10295

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



	Glen Release	Side Inflow	Evap Losses	Total Release	Total Release	SNWP Use	Downstream Requirements	Bank Storage	Reservoir Elev End of Month	EOM Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 CFS)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Oct 2010	495	80	42	638	10.4	24	607	648	1082.36	9971
H Nov 2010	810	13	42	800	13.4	18	795	646	1081.94	9936
I Dec 2010	847	248	37	660	10.7	9	630	670	1086.30	10301
S Jan 2011	997	74	31	540	8.8	8	526	700	1091.73	10765
T Feb 2011	964	84	29	635	11.4	9	616	723	1095.78	11117
O Mar 2011	1033	77	33	1006	16.4	15	1002	726	1096.39	11170
R Apr 2011	940	140	40	1078	18.1	20	1066	722	1095.76	11115
I May 2011	1171	104	47	1001	16.3	25	997	735	1097.90	11304
C Jun 2011	1377	76	57	939	15.8	29	938	761	1102.38	11705
A Jul 2011	1483	74	73	1001	16.3	27	1000	789	1107.07	12133
L Aug 2011	1479	97	80	831	13.5	29	829	827	1113.45	12730
* Sep 2011	922	95	67	670	11.3	17	668	844	1116.04	12977
WY 2011	12518	1161	578	9799		229	9675			
Oct 2011	953	59	49	400	6.5	22	400	877	1121.30	13485
Nov 2011	1200	48	51	614	10.3	21	614	911	1126.62	14013
Dec 2011	1200	99	45	447	7.3	17	447	959	1133.92	14756
Jan 2012	1000	76	37	697	11.3	16	697	979	1136.86	15062
Feb 2012	800	92	35	719	12.5	14	719	987	1137.97	15178
Mar 2012	900	80	39	1018	16.6	20	1018	981	1137.10	15087
Apr 2012	1000	60	48	1140	19.2	16	1140	972	1135.80	14951
May 2012	1000	49	55	983	16.0	27	983	971	1135.65	14936
Jun 2012	1100	23	67	850	14.3	22	850	982	1137.30	15108
Jul 2012	1171	50	84	890	14.5	24	890	996	1139.29	15318
Aug 2012	1100	109	90	811	13.2	26	811	1013	1141.78	15581
Sep 2012	833	70	75	668	11.2	18	668	1021	1143.02	15714
WY 2012	12257	815	676	9238		243	9238			
Oct 2012	861	59	55	398	6.5	22	398	1049	1146.87	16132
Nov 2012	600	48	56	633	10.6	21	633	1045	1146.33	16074
Dec 2012	800	99	48	555	9.0	17	555	1062	1148.71	16336
Jan 2013	800	76	40	709	11.5	16	709	1069	1149.64	16440
Feb 2013	800	92	37	715	12.9	15	715	1076	1150.71	16557
Mar 2013	600	80	41	1053	17.1	21	1053	1050	1147.01	16148
Apr 2013	850	60	50	1142	19.2	17	1142	1031	1144.44	15868
May 2013	950	49	57	1031	16.8	27	1031	1024	1143.43	15758
Jun 2013	1050	23	69	958	16.1	23	958	1026	1143.63	15780
Jul 2013	1200	50	87	949	15.4	25	949	1037	1145.27	15958
Aug 2013	1084	109	93	859	14.0	27	859	1050	1147.10	16158
Sep 2013	700	70	77	700	11.8	19	700	1049	1146.88	16134
WY 2013	10295	815	711	9701		251	9701			

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



	Date	Hoover Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Spill Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Oct 2010	638	6	15	766	0	766	12.5	633.10	1437
H	Nov 2010	800	-29	10	631	0	631	10.6	638.09	1567
I	Dec 2010	660	-15	9	553	0	553	9.0	641.21	1650
S	Jan 2011	540	-7	10	502	0	502	8.2	641.95	1670
T	Feb 2011	635	-10	10	586	0	586	10.5	643.01	1699
O	Mar 2011	1006	-11	13	976	0	976	15.9	643.23	1705
R	Apr 2011	1078	-13	17	1047	0	1047	17.6	643.30	1707
I	May 2011	1001	-10	22	949	0	949	15.4	644.04	1727
C	Jun 2011	939	-9	25	954	0	954	16.0	642.27	1679
A	Jul 2011	1001	-10	25	943	0	943	15.3	643.11	1702
L	Aug 2011	831	-6	23	822	0	822	13.4	642.38	1682
*	Sep 2011	670	-6	18	717	0	717	12.1	639.73	1610
WY 2011		9799	-120	198	9446	0	9446			
	Oct 2011	400	3	15	564	0	564	9.2	633.00	1434
	Nov 2011	614	-10	10	517	0	517	8.7	636.00	1512
	Dec 2011	447	-13	9	353	0	353	5.7	638.71	1583
	Jan 2012	697	-17	10	588	0	588	9.6	641.80	1666
	Feb 2012	719	-6	10	704	0	704	12.2	641.80	1666
	Mar 2012	1018	-15	13	956	0	956	15.5	643.05	1700
	Apr 2012	1140	-15	17	1110	0	1110	18.7	643.00	1699
	May 2012	983	-10	22	951	0	951	15.5	643.00	1699
	Jun 2012	850	-6	25	846	0	846	14.2	642.00	1671
	Jul 2012	890	1	25	879	0	879	14.3	641.50	1658
	Aug 2012	811	-5	23	784	0	784	12.7	641.50	1658
	Sep 2012	668	1	18	744	0	744	12.5	638.00	1564
WY 2012		9238	-91	197	8996	0	8996			
	Oct 2012	398	3	14	579	0	579	9.4	630.49	1371
	Nov 2012	633	-10	10	499	0	499	8.4	635.00	1486
	Dec 2012	555	-13	9	435	0	435	7.1	638.71	1583
	Jan 2013	709	-17	10	600	0	600	9.8	641.80	1666
	Feb 2013	715	-6	10	700	0	700	12.6	641.80	1666
	Mar 2013	1053	-15	13	991	0	991	16.1	643.05	1700
	Apr 2013	1142	-15	17	1111	0	1111	18.7	643.00	1699
	May 2013	1031	-10	22	998	0	998	16.2	643.00	1699
	Jun 2013	958	-6	25	954	0	954	16.0	642.00	1671
	Jul 2013	949	1	25	938	0	938	15.3	641.50	1658
	Aug 2013	859	-5	23	831	0	831	13.5	641.50	1658
	Sep 2013	700	1	18	777	0	777	13.1	638.00	1564
WY 2013		9701	-91	196	9413	0	9413			

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Oct 2010	766	25	12	465	7.6	102	166	449.14	602	106	1.7
H	Nov 2010	631	38	9	428	7.2	98	159	447.59	572	114	1.9
I	Dec 2010	553	33	7	290	4.7	93	183	448.10	582	147	2.4
S	Jan 2011	502	8	6	391	6.4	52	89	446.40	550	141	2.3
T	Feb 2011	586	15	8	415	7.5	22	135	447.29	567	173	3.1
O	Mar 2011	976	6	9	694	11.3	71	186	448.06	581	199	3.2
R	Apr 2011	1047	18	11	786	13.2	71	180	448.54	590	204	3.4
I	May 2011	949	17	13	691	11.2	83	167	448.68	593	115	1.9
C	Jun 2011	954	14	15	708	11.9	96	155	447.73	575	120	2.0
A	Jul 2011	943	35	17	762	12.4	100	77	448.22	584	127	2.1
L	Aug 2011	822	26	17	669	10.9	91	60	448.13	583	97	1.6
*	Sep 2011	717	32	15	538	9.0	83	102	448.28	585	91	1.5
WY	2011	9446	266	140	6837		962	1657			1635	
	Oct 2011	564	20	12	418	6.8	9	142	448.00	580	55	0.9
	Nov 2011	517	26	9	354	5.9	6	167	448.00	580	93	1.6
	Dec 2011	353	21	7	233	3.8	24	124	447.00	561	90	1.5
	Jan 2012	588	15	6	342	5.6	85	165	447.00	561	122	2.0
	Feb 2012	704	6	8	464	8.1	77	156	447.00	561	153	2.7
	Mar 2012	956	22	9	702	11.4	85	174	447.00	561	208	3.4
	Apr 2012	1110	18	11	827	13.9	83	166	448.70	593	200	3.4
	May 2012	951	13	13	696	11.3	86	159	448.70	593	111	1.8
	Jun 2012	846	9	16	653	11.0	83	90	448.70	593	112	1.9
	Jul 2012	879	15	17	719	11.7	85	72	448.00	580	118	1.9
	Aug 2012	784	18	17	629	10.2	85	68	447.50	571	92	1.5
	Sep 2012	744	15	15	540	9.1	61	148	446.81	557	89	1.5
WY	2012	8996	199	140	6575		767	1631			1444	
	Oct 2012	579	20	12	452	7.3	24	113	446.31	548	72	1.2
	Nov 2012	499	26	8	371	6.2	24	111	446.50	552	105	1.8
	Dec 2012	435	21	6	295	4.8	24	125	446.50	552	118	1.9
	Jan 2013	600	15	6	356	5.8	106	142	446.50	552	122	2.0
	Feb 2013	700	6	8	461	8.3	96	136	446.50	552	153	2.8
	Mar 2013	991	22	9	708	11.5	106	179	446.70	555	208	3.4
	Apr 2013	1111	18	11	796	13.4	103	173	448.70	593	200	3.4
	May 2013	998	13	13	703	11.4	106	179	448.70	593	111	1.8
	Jun 2013	954	9	16	676	11.4	103	156	448.70	593	112	1.9
	Jul 2013	938	15	17	730	11.9	106	99	448.00	580	118	1.9
	Aug 2013	831	18	17	625	10.2	106	98	447.50	571	92	1.5
	Sep 2013	777	15	15	530	8.9	103	148	446.81	557	89	1.5
WY	2013	9413	199	139	6702		1007	1660			1500	

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
* Oct 2010	638	10.4	1082.36	9971	-121	440.25	1104.0	241.3	68	378.5
H Nov 2010	800	13.4	1081.94	9936	-35	437.87	1185.0	305.1	74	381.4
I Dec 2010	660	10.7	1086.30	10301	365	439.05	1388.0	246.5	87	373.5
S Jan 2011	540	8.8	1091.73	10765	463	446.84	1103.0	200.9	69	372.4
T Feb 2011	635	11.4	1095.78	11117	353	447.78	1414.0	244.7	88	385.7
O Mar 2011	1006	16.4	1096.39	11170	54	449.79	1232.0	398.2	75	395.8
R Apr 2011	1078	18.1	1095.76	11115	-55	449.53	1157.0	430.9	70	399.6
I May 2011	1001	16.3	1097.90	11304	189	452.71	1468.0	394.5	88	393.9
C Jun 2011	939	15.8	1102.38	11705	401	457.87	1661.0	372.1	100	396.2
A Jul 2011	1001	16.3	1107.07	12133	429	462.21	1698.0	403.2	100	402.6
L Aug 2011	831	13.5	1113.45	12730	597	469.04	1721.0	338.8	100	407.7
* Sep 2011	670	11.3	1116.04	12977	247	473.88	1757.0	272.0	100	406.1
WY 2011	9799							3848.4		
Oct 2011	400	6.5	1121.30	13485	508	471.49	1311.0	161.4	74	403.3
Nov 2011	614	10.3	1126.62	14013	528	479.12	1281.0	261.5	69	425.9
Dec 2011	447	7.3	1133.92	14756	743	483.68	1290.0	187.4	68	419.4
Jan 2012	697	11.3	1136.86	15062	306	487.64	1179.0	302.9	61	434.8
Feb 2012	719	12.5	1137.97	15178	116	488.58	1198.0	317.8	62	441.7
Mar 2012	1018	16.6	1137.10	15087	-91	486.15	1570.0	443.0	81	435.0
Apr 2012	1140	19.2	1135.80	14951	-136	484.00	1687.0	502.6	87	440.9
May 2012	983	16.0	1135.65	14936	-15	483.32	1689.0	428.7	87	436.0
Jun 2012	850	14.3	1137.30	15108	172	482.96	1954.0	370.1	100	435.3
Jul 2012	890	14.5	1139.29	15318	209	485.26	1969.0	389.7	100	437.8
Aug 2012	811	13.2	1141.78	15581	263	487.66	1979.0	352.5	100	434.6
Sep 2012	668	11.2	1143.02	15714	133	490.66	1981.0	284.8	100	426.6
WY 2012	9238							4002.5		
Oct 2012	398	6.5	1146.87	16132	418	496.32	1821.0	165.2	91	415.4
Nov 2012	633	10.6	1146.33	16074	-59	501.21	1683.0	274.2	84	432.9
Dec 2012	555	9.0	1148.71	16336	262	499.42	1692.0	237.1	84	427.4
Jan 2013	709	11.5	1149.64	16440	104	498.83	1695.0	309.8	84	436.9
Feb 2013	715	12.9	1150.71	16557	117	500.08	1467.0	320.5	73	448.0
Mar 2013	1053	17.1	1147.01	16148	-409	497.45	1629.2	469.8	81	446.1
Apr 2013	1142	19.2	1144.44	15868	-281	493.25	1751.6	511.7	87	448.3
May 2013	1031	16.8	1143.43	15758	-110	491.50	1747.3	451.4	87	437.9
Jun 2013	958	16.1	1143.63	15780	22	489.98	2008.0	411.8	100	430.0
Jul 2013	949	15.4	1145.27	15958	178	491.39	2008.0	414.5	100	436.8
Aug 2013	859	14.0	1147.10	16158	201	493.29	2008.0	379.3	100	441.8
Sep 2013	700	11.8	1146.88	16134	-25	495.24	2008.0	303.1	100	433.0
WY 2013	9701							4248.5		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2011 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
* Oct 2010	766	12.5	633.10	1437	-138	129.52	209.1	92.1	82	120.2
H Nov 2010	631	10.6	638.09	1567	130	137.83	153.0	77.2	60	122.5
I Dec 2010	553	9.0	641.21	1650	84	141.87	168.3	67.8	66	122.6
S Jan 2011	502	8.2	641.95	1670	20	140.42	153.0	63.3	60	125.9
T Feb 2011	586	10.5	643.01	1699	29	139.78	181.1	73.6	71	125.6
O Mar 2011	976	15.9	643.23	1705	6	138.82	204.0	123.0	80	126.0
R Apr 2011	1047	17.6	643.30	1707	2	141.68	227.0	131.6	89	125.7
I May 2011	949	15.4	644.04	1727	20	142.61	255.0	120.3	100	126.8
C Jun 2011	954	16.0	642.27	1679	-48	140.41	249.9	120.6	98	126.4
A Jul 2011	943	15.3	643.11	1702	23	143.18	255.0	119.3	100	126.5
L Aug 2011	822	13.4	642.38	1682	-20	140.95	255.0	103.5	100	125.9
* Sep 2011	717	12.1	639.73	1610	-72	137.99	255.0	90.2	100	125.8
WY 2011	9446							1182.3		
Oct 2011	564	9.2	633.00	1434	-176	131.72	168.3	68.4	66	121.3
Nov 2011	517	8.7	636.00	1512	77	129.25	183.6	61.9	72	119.8
Dec 2011	353	5.7	638.71	1583	71	132.41	178.5	43.7	70	123.6
Jan 2012	588	9.6	641.80	1666	83	135.70	170.9	73.3	67	124.7
Feb 2012	704	12.2	641.80	1666	0	137.51	163.2	88.1	64	125.1
Mar 2012	956	15.5	643.05	1700	34	135.78	242.3	119.1	95	124.6
Apr 2012	1110	18.7	643.00	1699	-2	136.07	255.0	137.9	100	124.2
May 2012	951	15.5	643.00	1699	0	136.04	255.0	119.0	100	125.1
Jun 2012	846	14.2	642.00	1671	-27	135.51	255.0	105.8	100	125.1
Jul 2012	879	14.3	641.50	1658	-14	134.73	255.0	109.3	100	124.4
Aug 2012	784	12.7	641.50	1658	0	134.46	255.0	97.7	100	124.7
Sep 2012	744	12.5	638.00	1564	-94	132.62	255.0	91.7	100	123.2
WY 2012	8996							1115.8		
Oct 2012	579	9.4	630.49	1371	-193	127.85	219.3	69.1	86	119.3
Nov 2012	499	8.4	635.00	1486	115	125.53	244.8	59.0	96	118.4
Dec 2012	435	7.1	638.71	1583	97	130.29	229.5	53.4	90	122.6
Jan 2013	600	9.8	641.80	1666	83	134.09	221.9	74.7	87	124.6
Feb 2013	700	12.6	641.80	1666	0	136.08	209.1	87.5	82	125.0
Mar 2013	991	16.1	643.05	1700	34	135.86	239.7	123.3	94	124.4
Apr 2013	1111	18.7	643.00	1699	-2	136.07	255.0	138.1	100	124.2
May 2013	998	16.2	643.00	1699	0	136.04	255.0	124.7	100	124.9
Jun 2013	954	16.0	642.00	1671	-27	135.51	255.0	118.8	100	124.5
Jul 2013	938	15.3	641.50	1658	-14	134.73	255.0	116.4	100	124.1
Aug 2013	831	13.5	641.50	1658	0	134.46	255.0	103.4	100	124.4
Sep 2013	777	13.1	638.00	1564	-94	132.62	255.0	95.5	100	123.0
WY 2013	9413							1163.8		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
* Oct 2010	465	7.6	449.14	602	42	82.79	90.0	31.4	75	67.4
H Nov 2010	428	7.2	447.59	572	-30	79.41	91.2	30.4	76	71.1
I Dec 2010	290	4.7	448.10	582	10	82.60	104.4	19.7	87	67.9
S Jan 2011	391	6.4	446.40	550	-32	80.10	97.2	26.8	81	68.6
T Feb 2011	415	7.5	447.29	567	17	76.83	90.0	29.3	75	70.7
O Mar 2011	694	11.3	448.06	581	15	80.18	112.8	47.4	94	68.4
R Apr 2011	786	13.2	448.54	590	9	82.13	120.0	54.4	100	69.1
I May 2011	691	11.2	448.68	593	3	80.58	120.0	47.9	100	69.3
C Jun 2011	708	11.9	447.73	575	-18	81.68	114.0	49.9	95	70.4
A Jul 2011	762	12.4	448.22	584	9	81.72	116.4	51.6	97	67.7
L Aug 2011	669	10.9	448.13	583	-2	82.04	120.0	46.1	100	68.9
* Sep 2011	538	9.0	448.28	585	3	82.16	120.0	39.4	100	73.2
WY 2011	6837							474.2		
Oct 2011	418	6.8	448.00	580	-5	76.79	92.4	27.5	77	65.9
Nov 2011	354	5.9	448.00	580	0	76.78	90.0	23.1	75	65.4
Dec 2011	233	3.8	447.00	561	-19	77.80	64.8	14.9	54	63.9
Jan 2012	342	5.6	447.00	561	0	77.64	60.0	22.6	50	66.3
Feb 2012	464	8.1	447.00	561	0	76.41	79.2	30.8	66	66.4
Mar 2012	702	11.4	447.00	561	0	75.81	90.0	46.8	75	66.6
Apr 2012	827	13.9	448.70	593	32	75.23	120.0	54.7	100	66.2
May 2012	696	11.3	448.70	593	0	76.05	120.0	46.2	100	66.5
Jun 2012	653	11.0	448.70	593	0	76.05	120.0	43.3	100	66.4
Jul 2012	719	11.7	448.00	580	-13	75.71	120.0	47.7	100	66.3
Aug 2012	629	10.2	447.50	571	-10	75.13	120.0	41.2	100	65.6
Sep 2012	540	9.1	446.81	557	-13	74.55	120.0	35.0	100	64.9
WY 2012	6575							434.0		
Oct 2012	452	7.3	446.31	548	-9	74.77	102.0	29.2	85	64.6
Nov 2012	371	6.2	446.50	552	3	74.62	102.0	23.8	85	64.0
Dec 2012	295	4.8	446.50	552	0	74.71	102.0	18.6	85	63.1
Jan 2013	356	5.8	446.50	552	0	74.71	102.0	22.7	85	63.8
Feb 2013	461	8.3	446.50	552	0	73.92	120.0	29.6	100	64.2
Mar 2013	708	11.5	446.70	555	4	74.01	120.0	45.9	100	64.9
Apr 2013	796	13.4	448.70	593	38	75.08	120.0	52.5	100	66.0
May 2013	703	11.4	448.70	593	0	76.05	120.0	46.7	100	66.5
Jun 2013	676	11.4	448.70	593	0	76.05	120.0	44.9	100	66.5
Jul 2013	730	11.9	448.00	580	-13	75.71	120.0	48.4	100	66.3
Aug 2013	625	10.2	447.50	571	-10	75.13	120.0	41.0	100	65.5
Sep 2013	530	8.9	446.81	557	-13	74.55	120.0	34.4	100	64.8
WY 2013	6702							437.7		

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow* Upper Basin Power



Date	Glen Canyon 1000 MWHR	Flaming Gorge 1000 MWHR	Blue Mesa 1000 MWHR	Morrow Point 1000 MWHR	Crystal Reservoir 1000 MWHR	Fontenelle Reservoir 1000 MWHR
* Oct 2010	226	30	24	29	16	0
H Nov 2010	369	24	7	9	4	4
I Dec 2010	382	26	8	9	4	4
S Jan 2011	445	26	8	9	4	4
T Feb 2011	425	26	12	15	4	3
O Mar 2011	453	23	21	26	15	4
Winter 2011	2299	156	79	97	48	19
R Apr 2011	415	65	26	37	21	5
I May 2011	520	105	44	66	23	5
C Jun 2011	634	98	36	61	23	5
A Jul 2011	708					
L Aug 2011	706	60	39	44	22	8
* Sep 2011	442	58	34	41	22	6
Summer 2011	3425	386	179	248	111	30
Oct 2011	416	45	25	28	14	7
Nov 2011	521	35	13	16	9	6
Dec 2011	517	34	30	37	19	6
Jan 2012	428	34	24	31	16	6
Feb 2012	340	32	18	23	12	5
Mar 2012	382	65	11	15	8	5
Winter 2012	2603	244	120	151	78	35
Apr 2012	423	63	13	21	12	5
May 2012	426	74	30	45	23	7
Jun 2012	476	71	20	30	20	9
Jul 2012	511	36	31	38	21	10
Aug 2012	478	36	38	45	23	8
Sep 2012	360	35	36	43	22	7
Summer 2012	2673	315	168	223	121	46
Oct 2012	370	36	21	26	14	7
Nov 2012	257	35	12	15	8	6
Dec 2012	342	36	27	33	17	6
Jan 2013	341	36	23	29	15	6
Feb 2013	339	32	16	21	11	5
Mar 2013	254	36	10	14	8	5
Winter 2013	1903	211	109	139	72	35
Apr 2013	359	35	14	21	12	5
May 2013	403	49	31	48	23	7
Jun 2013	453	75	20	31	22	9
Jul 2013	523	36	34	42	23	10
Aug 2013	471	36	38	45	23	8
Sep 2013	303	35	35	42	21	7
Summer 2013	2209	231	138	187	103	39

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2011 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
****PREDICTED SPACE****								****CREDITABLE SPACE****										
Oct 2011	328	130	369	6729	7557	14400	21956	328	130	369	828	6729	14400	21956	3040	400	0	38.7
Nov 2011	396	169	377	6951	7894	13892	21786	396	169	377	942	6951	13892	21786	3810	614	0	38.8
Dec 2011	437	178	386	7480	8480	13364	21844	437	178	386	1001	7480	13364	21844	4580	447	0	38.9
Jan 2012	481	248	400	8022	9152	12621	21773	481	248	400	1130	8022	12621	21773	5350	697	0	38.8
****EFFECTIVE SPACE****								****EFFECTIVE SPACE****										
Jan 2012	481	248	400	8022	9152	12621	21773	63	239	284	586	8022	12621	21230	5350	697	0	38.8
Feb 2012	530	301	415	8414	9661	12315	21976	110	292	298	701	8414	12315	21430	1500	719	0	38.5
Mar 2012	574	337	422	8673	10005	12199	22204	152	329	304	785	8673	12199	21656	1500	1018	0	38.2
Apr 2012	675	340	392	8835	10242	12290	22532	252	333	271	856	8835	12290	21981	1500	1140	0	38.1
May 2012	733	307	339	8860	10240	12426	22666	308	302	199	809	8860	12426	22095	1500	983	0	39.2
Jun 2012	704	211	250	7982	9147	12441	21588	271	198	75	544	7982	12441	20968	1500	850	0	40.8
Jul 2012	533	39	255	6864	7691	12269	19960	85	7	29	121	6864	12269	19254	1500	890	0	40.9
****CREDITABLE SPACE****								****CREDITABLE SPACE****										
Aug 2012	466	27	281	7000	7774	12059	19833	466	27	281	774	7000	12059	19833	1500	811	0	40.6
Sep 2012	494	85	333	7455	8368	11796	20163	494	85	333	912	7455	11796	20163	2270	668	0	40.2
Oct 2012	539	150	349	7721	8759	11663	20422	539	150	349	1038	7721	11663	20422	3040	398	0	40.1
Nov 2012	584	177	350	8006	9116	11245	20361	584	177	350	1111	8006	11245	20361	3810	633	0	40.0
Dec 2012	631	184	356	8062	9232	11303	20535	631	184	356	1171	8062	11303	20535	4580	555	0	40.0
Jan 2013	695	248	366	8324	9634	11041	20675	695	248	366	1309	8324	11041	20675	5350	709	0	39.7
****EFFECTIVE SPACE****								****EFFECTIVE SPACE****										
Jan 2013	695	248	366	8324	9634	11041	20675	397	248	213	858	8324	11041	20223	5350	709	0	39.7
Feb 2013	754	302	377	8607	10040	10937	20977	454	302	223	979	8607	10937	20523	1500	715	0	39.5
Mar 2013	799	332	377	8923	10431	10820	21251	497	332	222	1051	8923	10820	20794	1500	1053	0	39.1
Apr 2013	798	332	330	8966	10427	11229	21656	492	332	172	997	8966	11229	21192	1500	1142	0	38.9
May 2013	758	308	240	9071	10377	11509	21887	445	308	62	815	9071	11509	21396	1500	1031	0	39.9
Jun 2013	638	217	196	8263	9314	11619	20933	313	217	-16	514	8263	11619	20395	1500	958	0	41.4
Jul 2013	460	37	298	6970	7765	11597	19362	120	12	35	167	6970	11597	18735	1500	949	0	41.7
****CREDITABLE SPACE****								****CREDITABLE SPACE****										
Aug 2013	359	27	318	6999	7702	11419	19122	359	27	318	703	6999	11419	19122	1500	859	0	41.3
Sep 2013	375	79	350	7442	8245	11219	19464	375	79	350	804	7442	11219	19464	2270	700	0	40.9

* Based on the Colorado River Basin Forecast Center's Most Probable Water Supply Forecast