

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
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The operation of Lake Powell and Lake Mead in this October 2013 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 2013 Annual Operating Plan (AOP) and draft 2014 AOP. Pursuant to the Interim Guidelines, the August 2013 24-Month Study projections of the January 1, 2014, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2014.

Consistent with Section 6.C.1 of the Interim Guidelines, the Lake Powell operational tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf. This was determined in the August 2013 24-Month study which projected that, with an 8.23 maf annual release pattern in water year 2014, the January 1, 2014, the Lake Powell elevation would be below 3,575.0 feet and the Lake Mead elevation would be above 1,025.0 feet.

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 2013 and 2014.

The tier determinations will be documented in the 2014 AOP, which is currently in the final stages of development.

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

The 2013 AOP is available for download at http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP13_final.pdf.

The Draft 2014 AOP is available for download at http://www.usbr.gov/lc/region/g4000/AOP2014/AOP14_draft.pdf.

Runoff projections into Lake Powell were provided by the National Weather Service's Colorado Basin River Forecast Center on October 1, 2013, and are as follows: Observed unregulated inflow into Lake Powell for the month of September was 0.857 maf or 210 percent of the 30-year average from 1981 to 2010. The forecast for October unregulated inflow into Lake Powell is 0.550 maf or 107 percent of the 30-year average. The observed 2013 April through July unregulated inflow was 2.56 maf or 36 percent of average.

In this study, the calendar year 2013 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 0.978 maf. The calendar year 2013 diversion for the Central Arizona Project (CAP) is forecasted to be 1.631 maf. Consumptive use for Nevada above Hoover (SNWP Use) is forecasted to be 0.239 maf for calendar year 2013.

Due to changing 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.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



	Date	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 2012	29	1	25	28	53	6491.56	238
H	Nov 2012	35	1	22	28	51	6489.08	221
I	Dec 2012	28	1	52	0	52	6485.19	196
S	Jan 2013	23	1	53	0	53	6479.94	166
T	Feb 2013	23	0	48	0	48	6475.03	141
O	Mar 2013	41	0	52	0	52	6472.41	129
R	Apr 2013	51	1	51	0	51	6472.25	128
I	May 2013	108	1	51	0	51	6483.26	185
C	Jun 2013	91	2	47	0	48	6489.79	226
A	Jul 2013	67	2	48	0	48	6492.28	243
L	Aug 2013	32	2	43	0	43	6490.28	229
*	Sep 2013	47	2	42	0	42	6490.87	233
WY 2013		575	14	534	57	591		
	Oct 2013	46	1	43	0	43	6491.15	236
	Nov 2013	36	1	42	0	42	6490.10	229
	Dec 2013	28	1	43	0	43	6487.76	214
	Jan 2014	25	1	43	0	43	6484.84	195
	Feb 2014	23	1	39	0	39	6482.06	178
	Mar 2014	42	1	43	0	43	6481.78	177
	Apr 2014	70	1	74	0	74	6480.86	172
	May 2014	142	1	102	8	111	6485.89	201
	Jun 2014	285	2	103	99	202	6497.70	282
	Jul 2014	175	3	102	16	118	6504.77	336
	Aug 2014	65	2	74	0	74	6503.36	325
	Sep 2014	43	2	36	32	68	6499.81	297
WY 2014		980	16	745	156	901		
	Oct 2014	47	1	66	0	66	6497.00	277
	Nov 2014	41	1	68	0	68	6493.07	249
	Dec 2014	32	1	71	0	71	6487.13	209
	Jan 2015	30	1	71	0	71	6480.29	168
	Feb 2015	28	0	64	0	64	6472.87	132
	Mar 2015	53	0	71	0	71	6468.58	113
	Apr 2015	85	1	71	0	71	6471.73	127
	May 2015	164	1	99	5	105	6483.12	185
	Jun 2015	299	2	103	75	179	6500.53	303
	Jul 2015	178	3	100	32	132	6505.99	346
	Aug 2015	77	2	80	0	80	6505.27	340
	Sep 2015	46	2	36	30	65	6502.54	318
WY 2015		1079	15	900	142	1043		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	24	48	7	52	0	52	122	6021.15	3020	71
H	Nov 2012	39	55	3	49	0	49	122	6021.23	3023	75
I	Dec 2012	25	50	2	70	0	70	121	6020.63	3002	219
S	Jan 2013	24	53	2	74	0	74	120	6020.03	2981	579
T	Feb 2013	30	55	2	67	0	67	119	6019.65	2967	415
O	Mar 2013	64	76	3	53	0	53	120	6020.19	2986	109
R	Apr 2013	69	69	5	50	0	50	121	6020.57	3000	150
I	May 2013	135	77	7	67	0	67	121	6020.65	3003	438
C	Jun 2013	91	48	10	135	3	138	117	6017.91	2906	375
A	Jul 2013	66	47	12	68	0	68	116	6016.99	2875	100
L	Aug 2013	22	33	11	68	0	68	114	6015.71	2831	87
*	Sep 2013	67	62	10	66	0	66	113	6015.33	2818	95
WY 2013		657	673	73	818	3	821				2713
	Oct 2013	54	51	7	52	0	52	113	6015.13	2811	52
	Nov 2013	42	48	3	49	0	49	113	6015.01	2807	49
	Dec 2013	29	44	2	50	0	50	113	6014.78	2799	50
	Jan 2014	30	48	2	50	0	50	113	6014.67	2796	50
	Feb 2014	34	50	2	46	0	46	113	6014.74	2798	46
	Mar 2014	85	86	3	50	0	50	114	6015.67	2830	50
	Apr 2014	121	125	4	49	0	49	117	6017.69	2899	49
	May 2014	210	179	7	103	0	103	119	6019.59	2965	103
	Jun 2014	340	257	10	111	0	111	125	6023.27	3097	111
	Jul 2014	200	143	13	81	0	81	126	6024.56	3144	81
	Aug 2014	75	84	12	81	0	81	126	6024.30	3134	81
	Sep 2014	50	75	11	79	0	79	126	6023.93	3121	79
WY 2014		1270	1191	75	801	0	801				801
	Oct 2014	55	75	7	81	0	81	125	6023.57	3108	81
	Nov 2014	50	77	3	79	0	79	125	6023.43	3103	79
	Dec 2014	35	74	2	81	0	81	124	6023.17	3093	81
	Jan 2015	40	81	2	81	0	81	124	6023.11	3091	81
	Feb 2015	45	81	2	74	0	74	125	6023.25	3096	74
	Mar 2015	102	120	3	81	0	81	126	6024.19	3131	81
	Apr 2015	134	119	5	79	0	79	127	6025.13	3165	79
	May 2015	245	186	8	127	0	127	129	6026.46	3214	127
	Jun 2015	390	269	10	158	0	158	133	6029.02	3312	158
	Jul 2015	210	165	14	98	0	98	135	6030.34	3362	98
	Aug 2015	89	92	13	98	0	98	134	6029.87	3344	98
	Sep 2015	55	75	11	95	0	95	133	6029.07	3313	95
WY 2015		1449	1413	79	1134	0	1134				1134

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2012	4	4	9301.04	57
H	Nov 2012	3	3	9301.07	57
I	Dec 2012	3	3	9301.09	57
S	Jan 2013	3	3	9301.07	57
T	Feb 2013	3	3	9301.01	57
O	Mar 2013	3	3	9301.27	57
R	Apr 2013	6	4	9302.94	59
I	May 2013	21	7	9312.29	74
C	Jun 2013	26	12	9320.43	88
A	Jul 2013	9	15	9316.95	81
L	Aug 2013	7	14	9312.37	74
*	Sep 2013	8	12	9309.95	70
WY 2013		96	83		
	Oct 2013	7	5	9310.64	71
	Nov 2013	5	4	9311.14	72
	Dec 2013	4	4	9311.32	72
	Jan 2014	4	4	9311.14	72
	Feb 2014	3	4	9310.51	71
	Mar 2014	3	4	9310.14	70
	Apr 2014	7	8	9309.51	69
	May 2014	28	18	9315.58	79
	Jun 2014	41	21	9326.44	99
	Jul 2014	15	22	9322.79	92
	Aug 2014	9	18	9317.87	83
	Sep 2014	7	16	9312.61	74
WY 2014		133	128		
	Oct 2014	6	12	9309.15	69
	Nov 2014	5	6	9308.53	68
	Dec 2014	5	6	9307.67	66
	Jan 2015	4	6	9306.59	65
	Feb 2015	4	6	9305.11	62
	Mar 2015	4	6	9304.05	61
	Apr 2015	9	6	9305.92	64
	May 2015	28	14	9314.86	78
	Jun 2015	42	20	9326.69	100
	Jul 2015	20	20	9326.76	100
	Aug 2015	10	20	9321.69	90
	Sep 2015	7	16	9316.90	81
WY 2015		145	138		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*
Blue Mesa Reservoir



		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)
Date									
*	Oct 2012	20	20	0	33	0	33	7452.55	327
H	Nov 2012	19	19	0	19	0	19	7452.39	326
I	Dec 2012	18	18	0	16	0	16	7452.65	328
S	Jan 2013	16	16	0	15	0	15	7452.77	328
T	Feb 2013	16	16	0	15	0	15	7452.95	329
O	Mar 2013	23	23	0		0	16	7454.12	336
R	Apr 2013	43	41	1	38	0	38	7454.46	338
I	May 2013	133	119	1	58	0	58	7464.34	399
C	Jun 2013	126	111	1	69	0	69	7470.58	440
A	Jul 2013	44	51	1	98	0	98	7463.20	391
L	Aug 2013	46	54	1	89	0	89	7457.29	355
*	Sep 2013	57	61	1	66	0	66	7456.24	348
WY 2013		561	547	6	517	0	532		
	Oct 2013	46	45	0	48	0	48	7455.65	345
	Nov 2013	31	30	0	13	0	13	7458.49	362
	Dec 2013	25	25	0	15	0	15	7460.14	372
	Jan 2014	20	20	0	16	0	16	7460.81	376
	Feb 2014	18	19	0	13	0	13	7461.74	382
	Mar 2014	30	31	0	18	0	18	7463.76	395
	Apr 2014	70	71	1	29	0	29	7470.06	436
	May 2014	225	215	1	107	0	107	7485.03	543
	Jun 2014	260	240	1	34	0	34	7510.24	748
	Jul 2014	92	99	2	92	0	92	7510.86	753
	Aug 2014	51	60	1	126	0	126	7503.00	686
	Sep 2014	37	46	1	114	0	114	7494.62	618
WY 2014		905	901	8	624	0	624		
	Oct 2014	38	43	1	60	0	60	7492.49	601
	Nov 2014	31	32	0	30	0	30	7492.75	603
	Dec 2014	26	27	0	48	0	48	7490.00	581
	Jan 2015	24	26	0	55	0	55	7486.20	552
	Feb 2015	22	25	0	55	0	55	7482.11	521
	Mar 2015	36	38	0	32	0	32	7482.81	527
	Apr 2015	77	74	1	60	0	60	7484.63	540
	May 2015	221	207	1	109	0	109	7497.02	637
	Jun 2015	261	239	1	76	0	76	7516.00	799
	Jul 2015	117	117	2	112	0	112	7516.40	802
	Aug 2015	63	73	1	121	0	121	7510.87	753
	Sep 2015	38	47	1	112	0	112	7503.10	687
WY 2015		954	947	9	869	0	869		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	22	33	1	34	40	0	40	7142.80	104
H	Nov 2012	20	19	1	20	16	0	16	7148.49	108
I	Dec 2012	18	16	1	17	18	0	18	7146.50	106
S	Jan 2013	17	15	1	16	17	0	17	7144.75	105
T	Feb 2013	17	15	1	15	16	0	16	7144.30	105
O	Mar 2013	24	16	1	17	17	0	17	7144.36	105
R	Apr 2013	49	38	6	44	42	0	42	7146.71	107
I	May 2013	148	58	15	72	67	0	67	7154.02	112
C	Jun 2013	132	69	6	75	75	0	75	7154.39	113
A	Jul 2013	45	98	0	98	99	0	99	7153.53	112
L	Aug 2013	46	89	0	90	89	0	89	7154.91	113
*	Sep 2013	58	66	2	68	69	0	69	7154.20	112
WY 2013		596	532	35	567	563	0	563		
	Oct 2013	48	48	2	50	50	0	50	7153.73	112
	Nov 2013	33	13	2	15	15	0	15	7153.73	112
	Dec 2013	26	15	1	16	16	0	16	7153.73	112
	Jan 2014	21	16	1	17	17	0	17	7153.73	112
	Feb 2014	19	13	1	14	14	0	14	7153.73	112
	Mar 2014	31	18	1	19	19	0	19	7153.73	112
	Apr 2014	80	29	10	39	39	0	39	7153.73	112
	May 2014	250	107	25	132	132	0	132	7153.73	112
	Jun 2014	280	34	20	54	54	0	54	7153.73	112
	Jul 2014	96	92	4	96	96	0	96	7153.73	112
	Aug 2014	53	126	2	128	128	0	128	7153.73	112
	Sep 2014	39	114	2	116	116	0	116	7153.73	112
WY 2014		976	624	71	695	695	0	695		
	Oct 2014	40	60	2	62	62	0	62	7153.73	112
	Nov 2014	33	30	2	32	32	0	32	7153.73	112
	Dec 2014	28	48	2	51	51	0	51	7153.73	112
	Jan 2015	27	55	2	57	57	0	57	7153.73	112
	Feb 2015	25	55	3	58	58	0	58	7153.73	112
	Mar 2015	40	32	4	36	36	0	36	7153.73	112
	Apr 2015	88	60	11	71	71	0	71	7153.73	112
	May 2015	247	109	26	135	135	0	135	7153.73	112
	Jun 2015	281	76	20	96	96	0	96	7153.73	112
	Jul 2015	123	112	6	118	118	0	118	7153.73	112
	Aug 2015	67	121	3	124	124	0	124	7153.73	112
	Sep 2015	41	112	3	115	115	0	115	7153.73	112
WY 2015		1039	869	84	953	953	0	953		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Crystal Reservoir



		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(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)	(1000 Ac-Ft)
*	Oct 2012	24	40	3	42	40	0	40	6750.72	16	20	20
H	Nov 2012	23	16	4	19	21	0	21	6746.77	15	1	19
I	Dec 2012	22	18	4	22	22	0	22	6749.11	16	1	20
S	Jan 2013	20	17	4	21	19	2	21	6747.09	15	0	20
T	Feb 2013	20	16	3	19	10	9	19	6745.57	15	0	19
O	Mar 2013	29	17	5	21	22	0	22	6744.50	15	0	22
R	Apr 2013	55	42	7	49	51	0	51	6738.38	13	33	20
I	May 2013	161	67	13	80	80	0	80	6736.96	13	66	18
C	Jun 2013	144	75	11	86	84	0	84	6744.76	15	65	25
A	Jul 2013	49	99	4	103	101	1	102	6748.24	16	67	41
L	Aug 2013	50	89	3	92	92	1	93	6745.72	15	62	35
*	Sep 2013	63	69	5	74	73	0	73	6746.17	15	48	27
WY 2013		660	563	65	628	613	14	627			363	286
	Oct 2013	54	50	6	56	54	0	54	6753.04	17	30	24
	Nov 2013	37	15	4	19	19	0	19	6753.04	17	0	19
	Dec 2013	29	16	3	19	19	0	19	6753.04	17	0	19
	Jan 2014	23	17	2	19	19	0	19	6753.04	17	0	19
	Feb 2014	22	14	3	17	17	0	17	6753.04	17	0	17
	Mar 2014	36	19	5	24	24	0	24	6753.04	17	5	18
	Apr 2014	91	39	11	50	50	0	50	6753.04	17	30	20
	May 2014	280	132	30	162	134	28	162	6753.04	17	55	107
	Jun 2014	310	54	30	84	84	0	84	6753.04	17	60	24
	Jul 2014	105	96	9	105	105	0	105	6753.04	17	65	40
	Aug 2014	58	128	5	133	133	0	133	6753.04	17	65	68
	Sep 2014	44	116	5	121	121	0	121	6753.04	17	55	65
WY 2014		1089	695	113	808	778	28	806			365	441
	Oct 2014	45	62	5	67	67	0	67	6753.04	17	30	37
	Nov 2014	37	32	4	36	36	0	36	6753.04	17	0	36
	Dec 2014	32	51	5	55	55	0	55	6753.04	17	0	55
	Jan 2015	31	57	5	62	62	0	62	6753.04	17	0	62
	Feb 2015	29	58	4	61	61	0	61	6753.04	17	0	61
	Mar 2015	46	36	6	42	42	0	42	6753.04	17	5	37
	Apr 2015	101	71	12	84	84	0	84	6753.04	17	30	54
	May 2015	281	135	34	169	134	35	169	6753.04	17	55	114
	Jun 2015	315	96	34	130	130	0	130	6753.04	17	60	70
	Jul 2015	138	118	14	132	132	0	132	6753.04	17	65	67
	Aug 2015	75	124	8	133	133	0	133	6753.04	17	65	68
	Sep 2015	47	115	6	121	121	0	121	6753.04	17	55	66
WY 2015		1177	953	139	1092	1057	35	1092			365	727

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Vallecito Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Oct 2012	3	3	7624.51	36
H	Nov 2012	3	1	7625.69	37
I	Dec 2012	3	0	7627.33	40
S	Jan 2013	3	0	7629.10	43
T	Feb 2013	3	0	7630.60	46
O	Mar 2013	4	0	7632.64	50
R	Apr 2013	15	1	7639.26	63
I	May 2013	49	31	7647.20	80
C	Jun 2013	19	35	7639.75	64
A	Jul 2013	8	32	7626.95	40
L	Aug 2013	13	26	7617.79	26
*	Sep 2013	45	7	7639.82	64
WY 2013		169	138		
	Oct 2013	20	7	7645.57	77
	Nov 2013	10	9	7645.84	77
	Dec 2013	7	7	7645.84	77
	Jan 2014	6	5	7645.82	77
	Feb 2014	5	4	7645.84	77
	Mar 2014	8	3	7647.88	82
	Apr 2014	27	3	7657.51	106
	May 2014	70	50	7665.00	125
	Jun 2014	66	66	7664.69	125
	Jul 2014	27	42	7658.99	109
	Aug 2014	18	38	7650.91	89
	Sep 2014	15	30	7644.53	74
WY 2014		278	264		
	Oct 2014	14	17	7643.09	71
	Nov 2014	8	5	7644.68	75
	Dec 2014	6	5	7645.31	76
	Jan 2015	5	5	7645.55	77
	Feb 2015	5	4	7645.74	77
	Mar 2015	9	3	7648.04	82
	Apr 2015	23	3	7656.21	102
	May 2015	71	48	7664.99	125
	Jun 2015	70	70	7664.94	125
	Jul 2015	29	42	7660.01	112
	Aug 2015	20	38	7652.74	94
	Sep 2015	17	30	7647.54	81
WY 2015		279	269		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Navajo Reservoir



	Date	Mod Unreg Inflow (1000 Ac-Ft)	Azetea Tunnel Div (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	NIIP Diversion (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Farmington Flow (1000 Ac-Ft)
*	Oct 2012	3	0	3	1	11	40	6027.78	986	43
H	Nov 2012	9	0	7	1	0	23	6026.11	970	32
I	Dec 2012	12	0	9	0	0	22	6024.73	957	30
S	Jan 2013	14	0	11	0	0	20	6023.77	947	
T	Feb 2013	13	0	10	1	0	19	6022.74	938	36
O	Mar 2013	31	1	26	1	6	22	6022.39	934	33
R	Apr 2013	71	7	53	2	21	36	6021.77	928	40
I	May 2013	154	17	118	3	36	17	6028.15	990	93
C	Jun 2013	40	8	46	3	42	33	6024.88	958	50
A	Jul 2013	2	1	25	3	40	51	6017.54	889	53
L	Aug 2013	43	3	53	3	34	41	6014.89	865	55
*	Sep 2013	151	5	110	2	15	25	6022.28	933	90
WY 2013		543	42	472	20	205	348			555
	Oct 2013	65	0	52	1	4	16	6025.53	964	16
	Nov 2013	38	0	37	1	0	15	6027.74	986	15
	Dec 2013	25	0	25	0	0	15	6028.66	995	15
	Jan 2014	20	0	20	0	0	28	6027.83	987	28
	Feb 2014	26	0	26	1	0	25	6027.86	987	25
	Mar 2014	90	0	85	1	2	25	6033.47	1044	25
	Apr 2014	160	9	127	2	18	20	6041.70	1131	20
	May 2014	275	16	239	3	33	25	6056.94	1309	25
	Jun 2014	190	6	184	4	48	91	6060.21	1350	91
	Jul 2014	47	0	61	4	53	31	6058.03	1323	31
	Aug 2014	35	0	55	3	46	51	6054.35	1278	51
	Sep 2014	33	0	48	3	26	39	6052.69	1257	39
WY 2014		1004	32	958	25	229	380			380
	Oct 2014	40	0	43	2	7	27	6053.32	1265	27
	Nov 2014	31	0	27	1	0	18	6054.00	1273	18
	Dec 2014	25	0	24	1	0	22	6054.07	1274	22
	Jan 2015	22	0	21	1	0	31	6053.24	1264	31
	Feb 2015	30	0	30	1	0	28	6053.33	1265	28
	Mar 2015	92	2	84	2	2	31	6057.42	1315	31
	Apr 2015	170	14	136	2	18	30	6064.12	1401	30
	May 2015	277	37	217	4	33	66	6072.48	1515	66
	Jun 2015	224	32	191	5	49	128	6073.12	1524	128
	Jul 2015	66	6	72	5	54	38	6071.33	1499	38
	Aug 2015	45	2	61	4	46	53	6068.31	1457	53
	Sep 2015	43	0	55	3	26	42	6067.15	1442	42
WY 2015		1065	94	961	29	235	513			513

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

Model Run ID: 2156

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Lake Powell



		Unreg Inflow	Regulated Inflow	Evap Losses	PowerPlant Release	Bypass Release	Total Release	Reservoir Elev End of Month	Bank Storage	EOM Storage	Lees Ferry Gage
	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)	(1000 Ac-Ft)
*	Oct 2012	190	294	37	498	0	498	3619.46	5150	13706	495
H	Nov 2012	246	273	35	652	78	730	3615.10	5114	13251	736
I	Dec 2012	201	247	27	801	0	801	3609.82	5071	12713	800
S	Jan 2013	168	230	8	801	0	801	3604.42	5028	12177	801
T	Feb 2013	262	300	9	600	0	600	3601.47	5005	11891	595
O	Mar 2013	362	357	14	601	0	601	3598.96	4986	11651	594
R	Apr 2013	355	326	22	551	0	551	3596.53	4967	11422	547
I	May 2013	1122	925	26	602	0	602	3599.44	4989	11697	591
C	Jun 2013	939	907	42	800	0	800	3600.07	4994	11757	800
A	Jul 2013	143	298	49	848	0	848	3594.17	4950	11202	862
L	Aug 2013	273	401	47	801	0	801	3589.64	4917	10788	815
*	Sep 2013	857	802	44	600	0	600	3591.25	4928	10934	607
WY 2013		5117	5358	361	8154	78	8232				8244
	Oct 2013	550	503	30	480	0	480	3591.17	4928	10927	491
	Nov 2013	400	366	29	500	0	500	3589.50	4916	10775	509
	Dec 2013	290	291	23	600	0	600	3586.07	4891	10468	612
	Jan 2014	280	304	7	800	0	800	3580.74	4854	10003	813
	Feb 2014	320	326	7	600	0	600	3577.68	4833	9742	610
	Mar 2014	590	480	12	600	0	600	3576.23	4823	9620	611
	Apr 2014	950	723	19	500	0	500	3578.46	4838	9809	512
	May 2014	2200	1773	24	600	0	600	3590.57	4923	10873	611
	Jun 2014	2500	2000	41	600	0	600	3603.94	5024	12130	611
	Jul 2014	840	759	51	800	0	800	3603.07	5017	12045	819
	Aug 2014	400	543	51	800	0	800	3600.11	4995	11760	821
	Sep 2014	330	467	46	600	0	600	3598.37	4981	11595	614
WY 2014		9650	8535	341	7480	0	7480				7634
	Oct 2014	447	489	32	600	0	600	3596.96	4971	11462	611
	Nov 2014	443	458	30	600	0	600	3595.25	4958	11303	609
	Dec 2014	363	429	24	800	0	800	3591.28	4929	10937	812
	Jan 2015	361	442	7	800	0	800	3587.53	4902	10599	813
	Feb 2015	393	452	8	650	0	650	3585.39	4886	10408	660
	Mar 2015	665	583	13	650	0	650	3584.56	4880	10335	661
	Apr 2015	1056	875	21	600	0	600	3587.22	4899	10570	612
	May 2015	2343	1971	26	650	0	650	3600.21	4995	11770	661
	Jun 2015	2666	2235	44	800	0	800	3613.23	5098	13058	811
	Jul 2015	1091	1007	55	1000	0	1000	3612.79	5095	13013	1019
	Aug 2015	500	623	54	1050	0	1050	3608.38	5059	12568	1071
	Sep 2015	408	547	49	800	0	800	3605.56	5037	12289	814
WY 2015		10735	10111	361	9000	0	9000				9154

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

Model Run ID: 2156

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



	Date	Glen Release (1000 Ac-Ft)	Side Inflow Glen to Hoover (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	SNWP Use (1000 Ac-Ft)	Downstream Requirements (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)
*	Oct 2012	498	53	49	346	5.6	20	331	862	1116.50	13263
H	Nov 2012	730	60	49	650	10.9	14	649	867	1117.24	13334
I	Dec 2012	801	50	43	476	7.7	11	432	886	1120.36	13636
S	Jan 2013	801	56	35	609	9.9	9	591	899	1122.32	13828
T	Feb 2013	600	68	32	646	11.6	8	644	898	1122.14	13810
O	Mar 2013	601	69	36	987	16.1	15	986	875	1118.59	13465
R	Apr 2013	551	37	44	1103	18.5	20	1102	840	1112.91	12921
I	May 2013	602	28	50	1007	16.4	27	1008	812	1108.36	12495
C	Jun 2013	800	1	59	948	15.9	28	947	798	1105.98	12276
A	Jul 2013	848	113	73	865	14.1	28	858	798	1105.92	12270
L	Aug 2013	801	133	78	808	13.1	28	790	799	1106.13	12289
*	Sep 2013	600	155	64	599	10.1	15	590	804	1106.92	12362
WY 2013		8232	824	612	9043		224	8927			
	Oct 2013	480	54	47	686	11.2	18	686	790	1104.70	12158
	Nov 2013	500	44	46	561	9.4	24	561	785	1103.79	12076
	Dec 2013	600	99	40	514	8.4	19	514	793	1105.09	12194
	Jan 2014	800	81	33	718	11.7	16	718	800	1106.27	12302
	Feb 2014	600	94	30	714	12.9	18	714	795	1105.56	12238
	Mar 2014	600	77	34	1030	16.8	21	1030	771	1101.33	11854
	Apr 2014	500	80	41	1115	18.7	14	1115	735	1095.08	11300
	May 2014	600	64	46	1002	16.3	24	1002	710	1090.69	10917
	Jun 2014	600	33	55	939	15.8	22	939	686	1086.49	10556
	Jul 2014	800	55	68	861	14.0	28	861	680	1085.36	10460
	Aug 2014	800	109	72	827	13.5	23	827	679	1085.21	10447
	Sep 2014	600	81	59	634	10.7	19	634	677	1084.87	10419
WY 2014		7480	870	570	9603		246	9603			
	Oct 2014	600	54	43	465	7.6	17	465	685	1086.30	10540
	Nov 2014	600	44	43	610	10.3	23	610	683	1085.94	10509
	Dec 2014	800	99	38	500	8.1	18	500	704	1089.70	10831
	Jan 2015	800	81	31	726	11.8	16	726	711	1090.87	10932
	Feb 2015	650	94	28	696	12.5	18	696	711	1090.88	10933
	Mar 2015	650	77	32	1045	17.0	22	1045	688	1086.83	10585
	Apr 2015	600	80	39	1132	19.0	14	1132	657	1081.20	10111
	May 2015	650	64	44	1019	16.6	24	1019	634	1076.95	9760
	Jun 2015	800	33	52	955	16.0	23	955	622	1074.68	9575
	Jul 2015	1000	55	65	878	14.3	29	878	627	1075.64	9653
	Aug 2015	1050	109	70	842	13.7	24	842	641	1078.21	9863
	Sep 2015	800	81	58	647	10.9	19	647	651	1079.99	10010
WY 2015		9000	870	542	9515		248	9515			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	346	-3	14	556	0	556	9.0	630.75	1377
H	Nov 2012	650	-11	10	499	0	499	8.4	635.82	1507
I	Dec 2012	476	-6	9	395	0	395	6.4	638.30	1572
S	Jan 2013	609	-11	10	510	0	510	8.3	641.20	1650
T	Feb 2013	646	-12	10	609	0	609	11.0	641.78	1665
O	Mar 2013	987	-11	13	956	0	956	15.5	642.06	1673
R	Apr 2013	1103	-20	17	1017	0	1017	17.1	643.87	1723
I	May 2013	1007	-15	22	959	0	959	15.6	644.24	1733
C	Jun 2013	948	-16	26	928	0	928	15.6	643.45	1711
A	Jul 2013	865	-24	26	810	0	810	13.2	643.66	1717
L	Aug 2013	808	-16	23	749	0	749	12.2	644.35	1736
*	Sep 2013	599	-11	18	681	0	681	11.4	640.23	1624
WY 2013		9043	-158	198	8669	0	8669			
	Oct 2013	686	0	15	757	0	757	12.3	637.00	1538
	Nov 2013	561	-16	10	561	0	561	9.4	636.00	1512
	Dec 2013	514	-17	9	416	0	416	6.8	638.71	1583
	Jan 2014	718	-16	10	610	0	610	9.9	641.80	1666
	Feb 2014	714	-8	10	696	0	696	12.5	641.80	1666
	Mar 2014	1030	-16	13	967	0	967	15.7	643.05	1700
	Apr 2014	1115	-15	17	1085	0	1085	18.2	643.00	1699
	May 2014	1002	-14	22	966	0	966	15.7	643.00	1699
	Jun 2014	939	-12	25	929	0	929	15.6	642.00	1671
	Jul 2014	861	-5	25	845	0	845	13.7	641.50	1658
	Aug 2014	827	-8	23	797	0	797	13.0	641.50	1658
	Sep 2014	634	-1	18	708	0	708	11.9	638.00	1564
WY 2014		9603	-129	197	9336	0	9336			
	Oct 2014	465	0	15	580	0	580	9.4	633.00	1434
	Nov 2014	610	-16	10	533	0	533	9.0	635.00	1486
	Dec 2014	500	-17	9	376	0	376	6.1	638.71	1583
	Jan 2015	726	-16	10	618	0	618	10.1	641.80	1666
	Feb 2015	696	-8	10	678	0	678	12.2	641.80	1666
	Mar 2015	1045	-16	13	982	0	982	16.0	643.05	1700
	Apr 2015	1132	-15	17	1102	0	1102	18.5	643.00	1699
	May 2015	1019	-14	22	983	0	983	16.0	643.00	1699
	Jun 2015	955	-12	25	944	0	944	15.9	642.00	1671
	Jul 2015	878	-5	25	861	0	861	14.0	641.50	1658
	Aug 2015	842	-8	23	812	0	812	13.2	641.50	1658
	Sep 2015	647	-1	18	721	0	721	12.1	638.00	1564
WY 2015		9515	-129	197	9189	0	9189			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	556	34	12	482	7.8	14	32	449.31	606	70	1.1
H	Nov 2012	499	27	9	348	5.9	14	174	448.06	581	88	1.5
I	Dec 2012	395	21	7	289	4.7	15	132	446.41	550	132	2.2
S	Jan 2013	510	17	6	352	5.7	57	80	448.01	580	143	2.3
T	Feb 2013	609	4	8	444	8.0	7	147	448.13	583	158	2.8
O	Mar 2013	956	7	9	680	11.1	98	180	447.58	572	191	3.1
R	Apr 2013	1017	13	11	765	12.9	84	148	448.35	587	185	3.1
I	May 2013	959	20	13	677	11.0	97	174	448.76	595	98	1.5
C	Jun 2013	928	15	16	688	11.6	104	129	448.45	589	98	1.7
A	Jul 2013	810	27	17	626	10.2	100	80	448.51	590	110	1.8
L	Aug 2013	749	38	17	552	9.0	99	95	449.22	604	109	1.8
*	Sep 2013	681	26	15	486	8.2	91	149	446.96	560	97	1.6
WY 2013		8669	250	141	6389		780	1521			1477	
	Oct 2013	757	26	12	484	7.9	99	170	447.50	570	55	0.9
	Nov 2013	561	32	9	375	6.3	49	155	447.50	570	86	1.4
	Dec 2013	416	26	6	260	4.2	93	124	445.00	525	94	1.5
	Jan 2014	610	16	6	340	5.5	98	176	445.00	525	125	2.0
	Feb 2014	696	10	7	450	8.1	88	127	446.50	552	156	2.8
	Mar 2014	967	17	9	690	11.2	98	175	446.70	555	201	3.3
	Apr 2014	1085	21	11	785	13.2	95	169	448.70	593	212	3.6
	May 2014	966	20	13	690	11.2	98	173	448.70	593	111	1.8
	Jun 2014	929	15	16	683	11.5	95	137	448.70	593	109	1.8
	Jul 2014	845	25	17	716	11.6	98	38	448.00	580	111	1.8
	Aug 2014	797	24	17	633	10.3	98	70	447.50	571	105	1.7
	Sep 2014	708	23	15	549	9.2	70	101	446.81	557	102	1.7
WY 2014		9336	256	139	6655		1079	1616			1468	
	Oct 2014	580	26	12	448	7.3	24	124	446.31	548	65	1.1
	Nov 2014	533	32	8	376	6.3	24	147	446.50	552	99	1.7
	Dec 2014	376	26	6	275	4.5	24	92	446.50	552	105	1.7
	Jan 2015	618	16	6	348	5.7	98	176	446.50	552	125	2.0
	Feb 2015	678	10	8	458	8.3	88	127	446.50	552	156	2.8
	Mar 2015	982	17	9	704	11.5	98	175	446.70	555	201	3.3
	Apr 2015	1102	21	11	801	13.5	95	169	448.70	593	212	3.6
	May 2015	983	20	13	707	11.5	98	173	448.70	593	111	1.8
	Jun 2015	944	15	16	698	11.7	95	137	448.70	593	109	1.8
	Jul 2015	861	25	17	733	11.9	98	38	448.00	580	111	1.8
	Aug 2015	812	24	17	648	10.5	98	70	447.50	571	105	1.7
	Sep 2015	721	23	15	563	9.5	70	101	446.81	557	102	1.7
WY 2015		9189	256	139	6759		910	1531			1500	

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	346	5.6	1116.50	13263	128	476.50	1051.0	141.3	58	409.0
H	Nov 2012	650	10.9	1117.24	13334	71	473.22	1051.0	276.3	58	424.7
I	Dec 2012	476	7.7	1120.36	13636	302	475.06	1520.0	198.5	84	417.3
S	Jan 2013	609	9.9	1122.32	13828	192	474.10	1062.0	259.8	59	426.6
T	Feb 2013	646	11.6	1122.14	13810	-18	475.07	1072.0	276.4	59	427.6
O	Mar 2013	987	16.1	1118.59	13465	-346	472.93	1073.0	425.6	59	431.1
R	Apr 2013	1103	18.5	1112.91	12921	-544	463.52	1042.0	467.6	57	423.9
I	May 2013	1007	16.4	1108.36	12495	-426	463.02	1353.0	419.9	75	417.1
C	Jun 2013	948	15.9	1105.98	12276	-219	460.72	1726.0	388.1	97	409.5
A	Jul 2013	865	14.1	1105.92	12270	-5	460.74	1753.0	348.3	100	402.7
L	Aug 2013	808	13.1	1106.13	12289	19	461.35	1737.0	325.9	100	403.4
*	Sep 2013	599	10.1	1106.92	12362	73	464.61	1737.0	242.5	100	405.1
WY 2013		9043							3770.1		
	Oct 2013	686	11.2	1104.70	12158	-203	457.53	1332.0	278.9	77	406.5
	Nov 2013	561	9.4	1103.79	12076	-82	458.32	1171.0	227.7	68	405.5
	Dec 2013	514	8.4	1105.09	12194	118	456.51	1405.0	209.2	81	407.2
	Jan 2014	718	11.7	1106.27	12302	108	460.02	747.0	306.3	43	426.5
	Feb 2014	714	12.9	1105.56	12238	-64	456.44	1190.0	297.0	69	415.8
	Mar 2014	1030	16.8	1101.33	11854	-383	451.89	1437.0	420.0	84	407.7
	Apr 2014	1115	18.7	1095.08	11300	-554	446.71	1343.0	458.6	80	411.2
	May 2014	1002	16.3	1090.69	10917	-384	441.36	1334.0	399.0	81	398.0
	Jun 2014	939	15.8	1086.49	10556	-360	436.09	1517.0	371.1	93	395.2
	Jul 2014	861	14.0	1085.36	10460	-97	433.21	1619.0	339.4	100	394.1
	Aug 2014	827	13.5	1085.21	10447	-13	432.74	1618.0	324.3	100	392.0
	Sep 2014	634	10.7	1084.87	10419	-29	433.63	1616.0	241.7	100	381.4
WY 2014		9603							3873.2		
	Oct 2014	465	7.6	1086.30	10540	121	438.27	1320.0	180.7	82	388.8
	Nov 2014	610	10.3	1085.94	10509	-31	441.89	1096.0	242.6	68	397.4
	Dec 2014	500	8.1	1089.70	10831	322	439.66	1409.0	196.3	87	392.8
	Jan 2015	726	11.8	1090.87	10932	101	441.80	1129.0	289.8	70	399.0
	Feb 2015	696	12.5	1090.88	10933	1	441.38	1126.0	279.6	69	401.7
	Mar 2015	1045	17.0	1086.83	10585	-348	437.39	1348.8	413.8	84	396.0
	Apr 2015	1132	19.0	1081.20	10111	-474	432.60	1261.5	451.8	80	399.2
	May 2015	1019	16.6	1076.95	9760	-351	427.64	1253.4	394.3	81	386.9
	Jun 2015	955	16.0	1074.68	9575	-185	423.42	1433.5	360.5	93	377.7
	Jul 2015	878	14.3	1075.64	9653	78	422.54	1541.9	338.2	100	385.2
	Aug 2015	842	13.7	1078.21	9863	210	424.45	1556.4	324.7	100	385.4
	Sep 2015	647	10.9	1079.99	10010	147	427.74	1566.5	244.5	100	377.7
WY 2015		9515							3716.8		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	556	9.0	630.75	1377	-228	130.98	206.6	68.5	81	123.3
H	Nov 2012	499	8.4	635.82	1507	130	136.16	168.3	67.9	66	136.0
I	Dec 2012	395	6.4	638.30	1572	65	134.78	183.6	44.1	72	111.7
S	Jan 2013	510	8.3	641.20	1650	78	139.33	163.2	63.2	64	123.8
T	Feb 2013	609	11.0	641.78	1665	16	138.67	153.0	76.8	60	126.1
O	Mar 2013	956	15.5	642.06	1673	8	140.26	191.3	120.2	75	125.8
R	Apr 2013	1017	17.1	643.87	1723	49	142.09	252.5	128.5	99	126.3
I	May 2013	959	15.6	644.24	1733	10	143.40	244.8	121.8	96	127.0
C	Jun 2013	928	15.6	643.45	1711	-22	141.69	247.4	116.9	97	126.0
A	Jul 2013	810	13.2	643.66	1717	6	141.93	249.9	102.9	98	127.1
L	Aug 2013	749	12.2	644.35	1736	19	143.01	255.0	92.1	100	122.9
*	Sep 2013	681	11.4	640.23	1624	-112	138.83	255.0	89.1	100	130.8
WY 2013		8669							1092.0		
	Oct 2013	757	12.3	637.00	1538	-86	133.15	196.4	92.5	77	122.2
	Nov 2013	561	9.4	636.00	1512	-26	132.23	158.1	68.1	62	121.3
	Dec 2013	416	6.8	638.71	1583	71	132.59	173.4	51.2	68	123.2
	Jan 2014	610	9.9	641.80	1666	83	135.97	163.2	76.0	64	124.5
	Feb 2014	696	12.5	641.80	1666	0	137.17	173.4	87.0	68	125.0
	Mar 2014	967	15.7	643.05	1700	34	135.44	255.0	120.5	100	124.5
	Apr 2014	1085	18.2	643.00	1699	-2	136.07	255.0	134.9	100	124.3
	May 2014	966	15.7	643.00	1699	0	136.04	255.0	120.8	100	125.1
	Jun 2014	929	15.6	642.00	1671	-27	135.51	255.0	115.7	100	124.6
	Jul 2014	845	13.7	641.50	1658	-14	134.73	255.0	105.2	100	124.6
	Aug 2014	797	13.0	641.50	1658	0	134.46	255.0	99.2	100	124.6
	Sep 2014	708	11.9	638.00	1564	-94	132.62	255.0	87.4	100	123.4
WY 2014		9336							1158.5		
	Oct 2014	580	9.4	633.00	1434	-130	129.88	196.4	69.8	77	120.5
	Nov 2014	533	9.0	635.00	1486	51	129.62	158.1	63.5	62	119.3
	Dec 2014	376	6.1	638.71	1583	97	132.06	173.4	46.2	68	123.0
	Jan 2015	618	10.1	641.80	1666	83	135.97	163.2	76.9	64	124.5
	Feb 2015	678	12.2	641.80	1666	0	137.17	173.4	84.8	68	125.1
	Mar 2015	982	16.0	643.05	1700	34	135.44	255.0	122.2	100	124.5
	Apr 2015	1102	18.5	643.00	1699	-2	136.07	255.0	136.9	100	124.3
	May 2015	983	16.0	643.00	1699	0	136.04	255.0	122.8	100	125.0
	Jun 2015	944	15.9	642.00	1671	-27	135.51	255.0	117.6	100	124.6
	Jul 2015	861	14.0	641.50	1658	-14	134.73	255.0	107.2	100	124.5
	Aug 2015	812	13.2	641.50	1658	0	134.46	255.0	101.1	100	124.5
	Sep 2015	721	12.1	638.00	1564	-94	132.62	255.0	89.0	100	123.3
WY 2015		9189							1138.1		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 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 2012	482	7.8	449.31	606	44	83.52	96.0	33.3	80	69.0
H	Nov 2012	348	5.9	448.06	581	-24	82.22	92.4	24.1	77	69.2
I	Dec 2012	289	4.7	446.41	550	-31	80.98	103.2	19.5	86	67.5
S	Jan 2013	352	5.7	448.01	580	30	83.56	102.0	24.4	85	69.4
T	Feb 2013	444	8.0	448.13	583	2	80.52	115.2	31.2	96	70.1
O	Mar 2013	680	11.1	447.58	572	-10	81.73	120.0	46.8	100	68.9
R	Apr 2013	765	12.9	448.35	587	15	82.42	97.2	51.1	81	66.8
I	May 2013	677	11.0	448.76	595	8	80.83	104.4	46.4	87	68.6
C	Jun 2013	688	11.6	448.45	589	-6	82.20	117.6	47.4	98	68.9
A	Jul 2013	626	10.2	448.51	590	1	80.88	120.0	43.4	100	69.3
L	Aug 2013	552	9.0	449.22	604	14	82.71	120.0	37.0	100	67.0
*	Sep 2013	486	8.2	446.96	560	-43	80.66	120.0	34.5	100	71.0
WY 2013		6389							439.1		
	Oct 2013	484	7.9	447.50	570	10	75.72	96.0	31.7	80	65.6
	Nov 2013	375	6.3	447.50	570	0	76.17	92.4	24.4	77	65.2
	Dec 2013	260	4.2	445.00	525	-46	74.95	92.4	16.3	77	62.7
	Jan 2014	340	5.5	445.00	525	0	73.61	94.8	21.5	79	63.0
	Feb 2014	450	8.1	446.50	552	27	74.46	92.4	29.1	77	64.8
	Mar 2014	690	11.2	446.70	555	4	74.93	99.6	45.4	83	65.8
	Apr 2014	785	13.2	448.70	593	38	75.08	120.0	51.8	100	66.0
	May 2014	690	11.2	448.70	593	0	76.05	120.0	45.9	100	66.4
	Jun 2014	683	11.5	448.70	593	0	76.05	120.0	45.4	100	66.5
	Jul 2014	716	11.6	448.00	580	-13	75.71	120.0	47.5	100	66.3
	Aug 2014	633	10.3	447.50	571	-9	75.13	120.0	41.5	100	65.6
	Sep 2014	549	9.2	446.81	557	-13	74.55	120.0	35.6	100	64.9
WY 2014		6655							436.1		
	Oct 2014	448	7.3	446.31	548	-9	74.77	102.0	28.9	85	64.6
	Nov 2014	376	6.3	446.50	552	3	74.62	102.0	24.1	85	64.1
	Dec 2014	275	4.5	446.50	552	0	74.71	102.0	17.2	85	62.7
	Jan 2015	348	5.7	446.50	552	0	74.71	102.0	22.2	85	63.7
	Feb 2015	458	8.3	446.50	552	0	73.92	120.0	29.4	100	64.2
	Mar 2015	704	11.5	446.70	555	4	74.01	120.0	45.7	100	64.9
	Apr 2015	801	13.5	448.70	593	38	75.08	120.0	52.9	100	66.0
	May 2015	707	11.5	448.70	593	0	76.05	120.0	47.0	100	66.5
	Jun 2015	698	11.7	448.70	593	0	76.05	120.0	46.5	100	66.5
	Jul 2015	733	11.9	448.00	580	-13	75.71	120.0	48.6	100	66.3
	Aug 2015	648	10.5	447.50	571	-9	75.13	120.0	42.5	100	65.6
	Sep 2015	563	9.5	446.81	557	-13	74.55	120.0	36.5	100	65.0
WY 2015		6759							441.6		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Upper Basin Power



		Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
Date		1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
*	Oct 2012	221	20	8	13	6	2
I	Dec 2012	346	27	4	6	2	4
S	Jan 2013	349	28	4	6	2	4
T	Feb 2013	259	25	4	5	1	3
O	Mar 2013	258	20	4	5	2	3
	Winter 2013	1433	121	23	35	12	15
R	Apr 2013	235	19	10	14	8	3
I	May 2013	257	26	15	23	15	3
C	Jun 2013	344	52	18	26	16	3
A	Jul 2013	361	26	26	35	20	3
L	Aug 2013	338	26	23	31	18	3
*	Sep 2013	253	25	17	24	14	3
	Summer 2013	1789	173	108	153	90	19
	Oct 2013	187	18	13	18	9	4
	Nov 2013	194	17	3	5	3	3
	Dec 2013	230	18	4	6	3	4
	Jan 2014	304	18	4	6	3	3
	Feb 2014	227	16	4	5	3	3
	Mar 2014	226	18	5	7	4	3
	Winter 2014	1368	106	33	47	26	20
	Apr 2014	188	18	8	14	9	6
	May 2014	229	37	30	48	23	8
	Jun 2014	236	40	10	19	15	9
	Jul 2014	318	30	29	35	18	10
	Aug 2014	317	30	39	46	23	7
	Sep 2014	237	29	34	42	21	3
	Summer 2014	1526	182	150	203	108	42
	Oct 2014	237	30	18	22	12	6
	Nov 2014	235	29	9	11	6	6
	Dec 2014	311	30	14	18	10	6
	Jan 2015	308	30	16	21	11	6
	Feb 2015	250	27	16	21	11	5
	Mar 2015	249	30	9	13	7	5
	Winter 2015	1590	174	82	106	56	33
	Apr 2015	229	29	17	26	14	5
	May 2015	252	46	32	49	23	7
	Jun 2015	319	58	23	35	22	9
	Jul 2015	404	36	35	42	23	10
	Aug 2015	423	36	38	45	23	8
	Sep 2015	321	35	34	41	21	3
	Summer 2015	1628	205	146	196	106	38

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2013 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Lake Powell KAF	Upper Basin Total KAF	Lake Mead KAF	Total KAF	Flaming Gorge KAF	Blue Mesa KAF	Navajo KAF	Tot or Max Allow KAF	Lake Powell KAF	Lake Mead KAF	Total KAF	BOM Space Required KAF	Mead Sched Rel KAF	Mead FC Rel KAF	Sys Cont MAF
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****										
Oct 2013	1,042	481	763	13388	15674	15015	30689	1042	481	763	2286	13388	15015	30689	3040	686	0	29.7
Nov 2013	1,047	485	732	13395	15659	15219	30877	1047	485	732	2263	13395	15219	30877	3810	561	0	29.5
Dec 2013	1,058	467	710	13547	15782	15301	31083	1058	467	710	2235	13547	15301	31083	4580	514	0	29.4
Jan 2014	1,081	457	701	13854	16093	15183	31276	1081	457	701	2239	13854	15183	31276	5350	718	0	29.0
								**** EFFECTIVE SPACE ****										
Jan 2014	1,081	457	701	13854	16093	15183	31276	530	407	498	1435	13854	15183	30471	5350	718	0	29.1
Feb 2014	1,104	453	709	14319	16585	15075	31660	551	403	506	1459	14319	15075	30853	1500	714	0	28.7
Mar 2014	1,118	447	709	14580	16854	15139	31994	562	398	505	1464	14580	15139	31184	1500	1030	0	28.4
Apr 2014	1,088	435	652	14702	16877	15523	32399	527	385	445	1357	14702	15523	31582	1500	1115	0	28.2
May 2014	1,023	393	565	14513	16495	16077	32571	455	344	338	1137	14513	16077	31727	1500	1002	0	29.3
Jun 2014	927	286	387	13449	15050	16460	31510	348	226	124	698	13449	16460	30608	1500	939	0	30.7
Jul 2014	715	82	346	12192	13334	16821	30155	119	0	30	149	12192	16821	29161	1500	861	0	30.5
								**** CREDITABLE SPACE ****										
Aug 2014	614	76	373	12277	13341	16917	30258	614	76	373	1064	12277	16917	30258	1500	827	0	30.1
Sep 2014	635	143	418	12562	13758	16930	30688	635	143	418	1197	12562	16930	30688	2270	634	0	29.6
Oct 2014	676	212	439	12727	14053	16958	31012	676	212	439	1326	12727	16958	31012	3040	465	0	29.4
Nov 2014	710	229	431	12860	14229	16837	31066	710	229	431	1369	12860	16837	31066	3810	610	0	29.3
Dec 2014	743	227	423	13019	14411	16868	31279	743	227	423	1392	13019	16868	31279	4580	500	0	29.3
Jan 2015	791	248	422	13385	14846	16546	31392	791	248	422	1461	13385	16546	31392	5350	726	0	29.0
								**** EFFECTIVE SPACE ****										
Jan 2015	791	248	422	13385	14846	16546	31392	467	248	400	1115	13385	16546	31046	5350	726	0	29.0
Feb 2015	835	277	432	13723	15267	16445	31712	509	277	409	1195	13723	16445	31363	1500	696	0	28.8
Mar 2015	866	308	431	13914	15519	16444	31963	538	308	407	1253	13914	16444	31610	1500	1045	0	28.5
Apr 2015	850	303	381	13987	15521	16792	32313	517	303	354	1173	13987	16792	31953	1500	1132	0	28.4
May 2015	802	289	295	13752	15138	17266	32404	462	289	247	999	13752	17266	32016	1500	1019	0	29.6
Jun 2015	695	193	181	12552	13620	17617	31237	344	190	96	630	12552	17617	30799	1500	955	0	31.1
Jul 2015	480	31	172	11264	11946	17802	29748	112	5	34	151	11264	17802	29216	1500	878	0	31.1
								**** CREDITABLE SPACE ****										
Aug 2015	386	27	197	11309	11919	17724	29643	386	27	197	610	11309	17724	29643	1500	842	0	30.8
Sep 2015	410	76	239	11754	12479	17514	29993	410	76	239	725	11754	17514	29993	2270	647	0	30.4

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

Model Run ID: 2156

Processed On: 10/21/2013 10:45:42AM