

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
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The operation of Lake Powell and Lake Mead in this December 2015 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 2015 Annual Operating Plan (AOP) and the draft 2016 AOP. Pursuant to the Interim Guidelines, the August 2015 24-Month Study projections of the January 1, 2016, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2016.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2016 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2016. This December 2015 24-Month Study indicates that, consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is projected to occur and Lake Powell is projected to release 9.0 maf in water year 2016.

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 2015 and 2016.

The 2016 operating determinations for Lake Powell and Lake Mead will be documented in the 2016 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 2015 AOP is available for download at: <http://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP15.pdf>.

The draft 2016 AOP is available for download at http://www.usbr.gov/lc/region/q4000/AOP2016/AOP16_draft.pdf.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows: Observed unregulated inflow into Lake Powell for the month of November was 0.445 maf or 94 percent of the 30-year average from 1981 to 2010. The forecast for December unregulated inflow into Lake Powell is 0.320 maf or 88 percent of the 30-year average. The observed 2015 April through July unregulated inflow is 6.71 maf or 94 percent of average.

In this study, the calendar year 2015 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 1.177 maf. The calendar year 2015 diversion for the Central Arizona Project (CAP) is forecasted to be 1.515 maf. Consumptive use for Nevada above Hoover (SNWP Use) is forecasted to be 0.220 maf for calendar year 2015.

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. 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



December 2015 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)
*	Dec 2014	51	1	77	0	77	6495.49	265
H	Jan 2015	46	1	77	0	77	6490.98	234
I	Feb 2015	46	1	69	1	69	6487.37	210
S	Mar 2015	70	1	78	0	78	6486.00	201
T	Apr 2015	87	1	102	0	103	6483.35	185
O	May 2015	223	2	104	4	108	6499.95	298
R	Jun 2015	332	3	101	229	330	6499.84	297
I	Jul 2015	126	3	91	17	108	6501.77	312
C	Aug 2015	53	2	83	1	84	6497.37	279
A	Sep 2015	37	2	0	61	61	6493.88	254
WY 2015		1210	16	930	324	1254		
L	Oct 2015	46	1	46	15	61	6491.60	238
*	Nov 2015	40	1	56	1	57	6489.03	221
	Dec 2015	30	1	58	0	58	6484.54	193
	Jan 2016	27	1	58	0	58	6478.92	161
	Feb 2016	26	0	55	0	55	6472.92	132
	Mar 2016	45	0	58	0	58	6469.76	118
	Apr 2016	65	1	60	0	60	6470.90	123
	May 2016	120	1	74	0	74	6480.22	168
	Jun 2016	220	2	81	0	81	6500.78	305
	Jul 2016	135	3	92	0	92	6505.90	345
	Aug 2016	56	2	77	0	77	6502.98	322
	Sep 2016	36	2	68	0	68	6498.50	288
WY 2016		847	15	783	16	799		
	Oct 2016	42	1	68	0	68	6494.74	261
	Nov 2016	39	1	65	0	65	6490.83	233
	Dec 2016	32	1	68	0	68	6485.21	197
	Jan 2017	30	1	68	0	68	6478.57	159
	Feb 2017	28	0	61	0	61	6471.45	125
	Mar 2017	53	0	68	0	68	6467.77	110
	Apr 2017	85	1	74	0	74	6470.30	120
	May 2017	164	1	99	6	105	6482.05	178
	Jun 2017	299	2	103	67	170	6500.90	306
	Jul 2017	178	3	101	41	141	6505.18	339
	Aug 2017	77	2	100	4	105	6501.30	309
	Sep 2017	46	2	101	0	101	6493.49	252
WY 2017		1072	15	975	118	1093		
	Oct 2017	49	1	105	0	105	6484.83	195
	Nov 2017	42	1	97	11	108	6472.15	128

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 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)
* Dec 2014	53	79	2	113	0	113	131	6027.71	3262	164
H Jan 2015	67	98	2	124	0	124	130	6026.99	3234	171
I Feb 2015	63	86	2	113	0	113	129	6026.25	3207	168
S Mar 2015	77	85	3	124	0	124	127	6025.15	3166	219
T Apr 2015	112	127	5	73	0	73	129	6026.41	3213	252
O May 2015	333	218	8	169	57	226	129	6026.01	3198	652
R Jun 2015	434	432	11	100	0	100	141	6034.01	3506	485
I Jul 2015	157	140	14	104	0	104	142	6034.55	3528	195
C Aug 2015	56	87	13	104	0	104	141	6033.81	3498	130
A Sep 2015	39	62	11	100	1	101	139	6032.59	3450	127
WY 2015	1562	1606	82	1293	58	1352				2856
L Oct 2015	48	63	7	131	0	131	136	6030.73	3377	162
* Nov 2015	38	55	4	131	0	131	133	6028.73	3300	176
Dec 2015	30	58	2	135	0	135	130	6026.73	3225	154
Jan 2016	34	65	2	135	0	135	127	6024.88	3156	152
Feb 2016	38	67	2	127	0	127	125	6023.26	3096	144
Mar 2016	85	98	3	52	0	52	126	6024.40	3138	107
Apr 2016	110	105	5	48	0	48	128	6025.76	3188	203
May 2016	165	119	8	110	0	110	128	6025.78	3189	500
Jun 2016	260	121	10	140	0	140	127	6025.02	3161	510
Jul 2016	155	112	13	77	0	77	128	6025.60	3182	133
Aug 2016	65	86	12	77	0	77	128	6025.51	3179	92
Sep 2016	43	75	11	74	0	74	128	6025.25	3170	85
WY 2016	1072	1024	78	1237	0	1237				2418
Oct 2016	50	76	7	77	0	77	127	6025.06	3162	100
Nov 2016	47	74	3	74	0	74	127	6024.95	3158	102
Dec 2016	35	71	2	77	0	77	127	6024.74	3151	102
Jan 2017	40	78	2	77	0	77	127	6024.72	3150	102
Feb 2017	45	78	2	69	0	69	127	6024.89	3156	94
Mar 2017	102	117	3	77	0	77	128	6025.86	3192	105
Apr 2017	134	122	5	74	0	74	130	6026.97	3234	151
May 2017	245	186	8	137	0	137	132	6028.01	3273	353
Jun 2017	390	260	10	192	0	192	134	6029.46	3328	724
Jul 2017	210	174	14	111	0	111	136	6030.70	3376	531
Aug 2017	89	117	13	111	0	111	136	6030.53	3369	211
Sep 2017	55	110	11	107	0	107	135	6030.33	3362	132
WY 2017	1442	1463	80	1184	0	1184				2707
Oct 2017	59	115	7	111	0	111	135	6030.25	3359	130
Nov 2017	51	117	4	107	0	107	135	6030.40	3365	139

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 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)
* Dec 2014	6	6	9315.74	79
H Jan 2015	6	6	9315.48	79
I Feb 2015	4	5	9314.94	78
S Mar 2015	7	6	9315.31	79
T Apr 2015	9	6	9317.32	82
O May 2015	19	10	9321.95	91
R Jun 2015	62	50	9328.14	102
I Jul 2015	21	28	9324.75	96
C Aug 2015	9	22	9317.56	83
A Sep 2015	7	18	9311.10	72
WY 2015	166	171		
L Oct 2015	7	8	9310.71	71
* Nov 2015	5	6	9310.55	71
Dec 2015	5	6	9309.92	70
Jan 2016	5	6	9308.97	68
Feb 2016	4	6	9307.55	66
Mar 2016	4	6	9306.23	64
Apr 2016	7	6	9306.76	65
May 2016	23	8	9316.02	80
Jun 2016	37	18	9326.32	99
Jul 2016	15	18	9324.77	96
Aug 2016	8	18	9319.41	86
Sep 2016	6	14	9314.85	78
WY 2016	126	120		
Oct 2016	6	12	9311.13	72
Nov 2016	5	6	9310.37	70
Dec 2016	5	6	9309.54	69
Jan 2017	4	6	9308.49	68
Feb 2017	4	6	9307.06	65
Mar 2017	4	6	9306.03	64
Apr 2017	9	6	9307.84	67
May 2017	28	14	9316.55	81
Jun 2017	42	21	9327.66	102
Jul 2017	20	21	9327.23	101
Aug 2017	10	20	9322.18	91
Sep 2017	7	16	9317.43	82
WY 2017	144	140		
Oct 2017	7	12	9314.33	77
Nov 2017	5	6	9313.80	76

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 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)
*	Dec 2014	34	34	0	55	0	55	7489.11	574
H	Jan 2015	30	30	0	58	0	58	7485.48	547
I	Feb 2015	28	29	0	29	0	29	7485.47	547
S	Mar 2015	54	53	0	26	0	26	7488.96	573
T	Apr 2015	73	70	1	45	0	45	7492.04	597
O	May 2015	136	128	1	71	0	71	7498.96	653
R	Jun 2015	368	356	1	125	62	192	7517.76	815
I	Jul 2015	131	137	2	135	10	145	7516.74	806
C	Aug 2015	59	73	1	105	0	105	7512.97	772
A	Sep 2015	39	50	1	95	0	95	7507.65	726
WY 2015		1042	1047	9	835	72	912		
L	Oct 2015	33	34	1	87	0	87	7501.39	673
*	Nov 2015	30	31	0	45	0	45	7499.64	658
	Dec 2015	26	27	0	66	0	66	7494.80	619
	Jan 2016	24	26	0	63	0	63	7490.02	582
	Feb 2016	21	23	0	41	0	41	7487.69	564
	Mar 2016	31	33	0	34	0	34	7487.50	562
	Apr 2016	67	66	1	47	0	47	7489.90	581
	May 2016	168	153	1	147	0	147	7490.54	586
	Jun 2016	218	199	1	54	0	54	7508.07	729
	Jul 2016	79	82	2	92	0	92	7506.72	718
	Aug 2016	48	58	1	105	0	105	7500.99	670
	Sep 2016	37	45	1	95	0	95	7494.72	619
WY 2016		783	777	9	875	0	875		
	Oct 2016	38	44	1	47	0	47	7494.24	615
	Nov 2016	31	32	0	17	0	17	7496.09	630
	Dec 2016	26	27	0	75	0	75	7490.00	581
	Jan 2017	24	26	0	75	0	75	7483.54	532
	Feb 2017	22	25	0	46	0	46	7480.62	511
	Mar 2017	36	38	0	32	0	32	7481.32	516
	Apr 2017	77	74	1	46	0	46	7485.03	543
	May 2017	221	207	1	150	0	150	7492.26	599
	Jun 2017	261	240	1	60	0	60	7513.66	778
	Jul 2017	117	118	2	92	0	92	7516.40	802
	Aug 2017	63	73	1	122	0	122	7510.76	752
	Sep 2017	38	47	1	116	0	116	7502.51	682
WY 2017		954	950	9	878	0	878		
	Oct 2017	38	44	1	47	0	47	7502.04	678
	Nov 2017	31	32	0	17	0	17	7503.80	693

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



	Unreg Inflow	Blue Mesa Release	Side Inflow	Total Inflow	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)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Dec 2014	35	55	1	56	56	0	56	7153.68	112
H Jan 2015	30	58	1	58	60	0	60	7152.01	111
I Feb 2015	29	29	1	30	31	0	31	7151.25	110
S Mar 2015	56	26	3	29	28	0	28	7151.69	110
T Apr 2015	79	45	6	50	51	0	51	7150.61	110
O May 2015	151	71	15	86	84	0	84	7153.24	112
R Jun 2015	388	192	20	212	188	0	211	7154.42	113
I Jul 2015	135	145	3	148	148	0	148	7154.93	113
C Aug 2015	60	105	0	105	106	0	106	7153.74	112
A Sep 2015	39	95	0	95	103	0	103	7143.98	104
WY 2015	1095	912	53	965	926	0	972		
L Oct 2015	34	87	0	87	93	0	93	7135.56	98
* Nov 2015	31	45	1	46	47	0	47	7133.97	97
Dec 2015	27	66	1	67	52	0	52	7153.73	112
Jan 2016	25	63	1	64	64	0	64	7153.73	112
Feb 2016	23	41	2	43	43	0	43	7153.73	112
Mar 2016	34	34	3	37	37	0	37	7153.73	112
Apr 2016	76	47	9	56	56	0	56	7153.73	112
May 2016	187	147	19	166	166	0	166	7153.73	112
Jun 2016	234	54	16	70	70	0	70	7153.73	112
Jul 2016	82	92	3	95	95	0	95	7153.73	112
Aug 2016	51	105	3	108	108	0	108	7153.73	112
Sep 2016	39	95	2	97	97	0	97	7153.73	112
WY 2016	843	875	60	935	928	0	928		
Oct 2016	40	47	2	49	49	0	49	7153.73	112
Nov 2016	33	17	2	19	19	0	19	7153.73	112
Dec 2016	28	75	2	77	77	0	77	7153.73	112
Jan 2017	27	75	2	77	77	0	77	7153.73	112
Feb 2017	25	46	3	49	49	0	49	7153.73	112
Mar 2017	40	32	4	36	36	0	36	7153.73	112
Apr 2017	88	46	11	57	57	0	57	7153.73	112
May 2017	247	150	26	176	176	0	176	7153.73	112
Jun 2017	281	60	20	80	80	0	80	7153.73	112
Jul 2017	123	92	6	98	98	0	98	7153.73	112
Aug 2017	67	122	3	125	125	0	125	7153.73	112
Sep 2017	41	116	3	119	119	0	119	7153.73	112
WY 2017	1039	878	84	962	962	0	962		
Oct 2017	41	47	3	50	50	0	50	7153.73	112
Nov 2017	33	17	2	19	19	0	19	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 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)
* Dec 2014	39	56	5	61	61	0	61	6746.42	15	1	62
H Jan 2015	35	60	5	64	55	9	64	6746.05	15	1	65
I Feb 2015	34	31	4	35	11	22	33	6751.96	17	0	34
S Mar 2015	63	28	6	35	35	0	35	6752.00	17	1	34
T Apr 2015	85	51	7	58	58	0	58	6751.65	17	37	21
O May 2015	164	84	13	97	90	6	96	6752.09	17	62	36
R Jun 2015	429	211	41	253	110	78	252	6755.80	18	55	209
I Jul 2015	143	148	9	156	114	44	158	6751.21	16	65	96
C Aug 2015	63	106	4	110	110	0	111	6749.17	16	65	47
A Sep 2015	42	103	3	106	96	11	107	6744.61	15	57	50
WY 2015	1201	972	106	1078	843	171	1078			393	709
L Oct 2015	37	93	3	96	0	94	94	6750.81	16	51	44
* Nov 2015	34	47	3	50	0	50	50	6750.12	16	0	49
Dec 2015	30	52	3	55	54	0	54	6753.04	17	0	54
Jan 2016	28	64	3	67	67	0	67	6753.04	17	0	67
Feb 2016	26	43	3	46	46	0	46	6753.04	17	0	46
Mar 2016	39	37	5	42	42	0	42	6753.04	17	5	37
Apr 2016	86	56	10	66	66	0	66	6753.04	17	30	36
May 2016	211	166	24	190	134	56	190	6753.04	17	55	135
Jun 2016	260	70	26	96	96	0	96	6753.04	17	60	36
Jul 2016	90	95	8	103	103	0	103	6753.04	17	65	38
Aug 2016	57	108	6	114	114	0	114	6753.04	17	65	49
Sep 2016	45	97	6	103	103	0	103	6753.04	17	55	48
WY 2016	943	928	100	1028	825	200	1026			387	640
Oct 2016	46	49	6	55	55	0	55	6753.04	17	30	25
Nov 2016	38	19	5	24	24	0	24	6753.04	17	0	24
Dec 2016	32	77	5	82	82	0	82	6753.04	17	0	82
Jan 2017	31	77	5	82	82	0	82	6753.04	17	0	82
Feb 2017	29	49	4	52	52	0	52	6753.04	17	0	52
Mar 2017	46	36	6	42	42	0	42	6753.04	17	5	37
Apr 2017	101	57	12	70	70	0	70	6753.04	17	30	40
May 2017	281	176	34	210	134	76	210	6753.04	17	55	155
Jun 2017	315	80	34	114	114	0	114	6753.04	17	60	54
Jul 2017	138	98	14	112	112	0	112	6753.04	17	65	47
Aug 2017	75	125	8	134	134	0	134	6753.04	17	65	69
Sep 2017	47	119	6	125	125	0	125	6753.04	17	55	70
WY 2017	1178	962	140	1102	1026	76	1102			365	737
Oct 2017	47	50	6	56	56	0	56	6753.04	17	30	26
Nov 2017	38	19	5	24	24	0	24	6753.04	17	0	24

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 24-Month Study

Most Probable Inflow*

Vallecito Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Dec 2014	6	4	7653.53	96
H Jan 2015	6	5	7654.18	97
I Feb 2015	7	4	7655.19	100
S Mar 2015	13	12	7655.67	101
T Apr 2015	19	11	7658.49	108
O May 2015	43	31	7662.94	120
R Jun 2015	106	103	7664.05	123
I Jul 2015	37	42	7661.73	117
C Aug 2015	13	35	7652.83	94
A Sep 2015	11	29	7645.08	75
WY 2015	294	285		
L Oct 2015	17	15	7645.65	77
* Nov 2015	11	5	7648.25	83
Dec 2015	7	2	7650.31	88
Jan 2016	6	2	7651.91	92
Feb 2016	5	1	7653.12	95
Mar 2016	8	2	7655.61	101
Apr 2016	25	2	7664.11	123
May 2016	68	68	7664.11	123
Jun 2016	70	69	7664.11	123
Jul 2016	25	41	7657.63	106
Aug 2016	17	38	7649.10	85
Sep 2016	15	29	7642.75	70
WY 2016	273	274		
Oct 2016	14	16	7641.62	68
Nov 2016	8	1	7644.68	75
Dec 2016	6	2	7646.74	79
Jan 2017	5	2	7648.35	83
Feb 2017	5	1	7649.71	86
Mar 2017	9	2	7652.54	93
Apr 2017	23	1	7660.97	115
May 2017	71	63	7664.10	123
Jun 2017	70	70	7664.10	123
Jul 2017	29	42	7659.06	110
Aug 2017	20	38	7651.74	91
Sep 2017	17	30	7646.49	79
WY 2017	279	267		
Oct 2017	16	17	7645.72	77
Nov 2017	9	1	7648.80	84

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 24-Month Study

Most Probable Inflow*
Navajo Reservoir



	Mod Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir Elev	Live	Farmington
	Inflow	Tunnel Div	Inflow	Losses	Diversion	Release	End of Month	Storage	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)
* Dec 2014	19	0	17	1	0	21	6037.94	1091	44
H Jan 2015	23	0	21	1	0	21	6037.90	1090	40
I Feb 2015	28	1	25	1	0	19	6038.43	1096	41
S Mar 2015	86	7	79	1	3	20	6043.43	1150	56
T Apr 2015	80	8	63	2	20	21	6045.22	1170	38
O May 2015	178	24	144	3	23	21	6053.44	1267	93
R Jun 2015	285	38	241	4	20	22	6068.60	1461	254
I Jul 2015	76	9	71	5	39	27	6068.68	1462	90
C Aug 2015	15	1	36	4	33	42	6065.47	1419	70
A Sep 2015	15	0	33	3	25	33	6063.41	1392	66
WY 2015	900	90	797	27	170	289			903
L Oct 2015	40	1	38	2	9	27	6063.43	1392	
* Nov 2015	35	1	28	1	0	19	6064.00	1400	
Dec 2015	25	0	20	1	0	21	6063.85	1398	35
Jan 2016	21	0	17	1	0	22	6063.46	1392	34
Feb 2016	24	0	21	1	0	20	6063.45	1392	31
Mar 2016	65	2	57	2	5	22	6065.59	1421	39
Apr 2016	155	14	118	3	20	21	6071.06	1495	72
May 2016	250	37	212	4	34	104	6075.99	1566	232
Jun 2016	201	32	169	5	49	150	6073.53	1530	284
Jul 2016	44	6	54	5	53	37	6070.64	1489	90
Aug 2016	36	1	55	4	44	47	6067.76	1450	80
Sep 2016	34	1	47	3	24	83	6063.09	1388	108
WY 2016	930	96	837	30	238	574			1005
Oct 2016	40	2	41	2	9	23	6063.65	1395	47
Nov 2016	31	1	24	1	0	21	6063.79	1397	38
Dec 2016	25	0	20	1	0	22	6063.64	1395	37
Jan 2017	22	0	18	1	0	22	6063.32	1391	37
Feb 2017	30	0	27	1	0	19	6063.82	1397	33
Mar 2017	92	2	83	2	5	22	6067.94	1452	34
Apr 2017	170	15	133	3	20	47	6072.58	1517	69
May 2017	277	41	227	4	34	231	6069.61	1475	284
Jun 2017	224	33	190	4	49	212	6064.03	1400	358
Jul 2017	66	7	72	5	53	22	6063.45	1392	173
Aug 2017	45	2	62	4	45	22	6062.80	1384	89
Sep 2017	43	1	55	3	25	23	6063.08	1387	62
WY 2017	1066	103	951	29	238	684			1259
Oct 2017	47	2	47	2	9	24	6063.98	1399	57
Nov 2017	34	1	25	1	0	21	6064.26	1403	49

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 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 Gage (1000 Ac-Ft)
*	Dec 2014	409	465	25	864	0	864	3597.75	4977	11537	880
H	Jan 2015	348	449	8	862	0	862	3593.57	4945	11147	878
I	Feb 2015	424	464	8	589	0	589	3592.23	4936	11024	595
S	Mar 2015	552	543	14	649	0	649	3591.02	4927	10913	656
T	Apr 2015	639	539	21	600	0	600	3590.18	4921	10837	610
O	May 2015	1613	1431	25	699	0	699	3597.27	4973	11491	708
R	Jun 2015	3389	2570	44	800	0	800	3613.54	5101	13090	801
I	Jul 2015	1072	1002	55	1048	0	1048	3612.62	5093	12996	1079
C	Aug 2015	313	466	54	799	0	799	3609.07	5065	12637	821
A	Sep 2015	276	435	49	714	0	714	3606.01	5040	12333	732
	WY 2015	10174	9419	368	8868	132	9000				9154
L	Oct 2015	535	680	34	600	0	600	3606.44	5044	12375	617
*	Nov 2015	449	534	32	604	0	604	3605.47	5036	12280	593
	Dec 2015	320	446	26	900	0	900	3600.89	5001	11836	906
	Jan 2016	280	421	8	900	0	900	3596.13	4964	11385	909
	Feb 2016	330	435	8	700	0	700	3593.41	4944	11132	705
	Mar 2016	540	473	14	650	0	650	3591.49	4930	10956	656
	Apr 2016	820	638	22	600	0	600	3591.65	4931	10971	610
	May 2016	1680	1530	26	700	0	700	3599.63	4991	11715	708
	Jun 2016	2300	2046	43	800	0	800	3610.97	5080	12828	809
	Jul 2016	800	787	54	950	0	950	3608.98	5064	12628	965
	Aug 2016	350	475	53	900	0	900	3604.51	5029	12186	917
	Sep 2016	320	483	47	695	0	695	3602.03	5009	11945	708
	WY 2016	8724	8947	366	9000	0	9000				9102
	Oct 2016	438	467	32	600	0	600	3600.44	4997	11792	609
	Nov 2016	439	442	31	600	0	600	3598.61	4983	11618	606
	Dec 2016	363	450	24	800	0	800	3594.91	4955	11271	806
	Jan 2017	361	448	7	800	0	800	3591.30	4929	10939	809
	Feb 2017	393	431	8	650	0	650	3588.98	4912	10728	655
	Mar 2017	665	572	13	650	0	650	3588.04	4905	10644	656
	Apr 2017	1056	876	21	600	0	600	3590.66	4924	10880	610
	May 2017	2343	2193	27	650	0	650	3605.51	5036	12284	658
	Jun 2017	2666	2338	46	800	0	800	3619.08	5147	13666	809
	Jul 2017	1091	982	57	1000	0	1000	3618.42	5141	13596	1015
	Aug 2017	500	603	56	1050	0	1050	3613.94	5104	13131	1067
	Sep 2017	408	544	51	800	0	800	3611.15	5081	12847	813
	WY 2017	10723	10347	373	9000	0	9000				9113
	Oct 2017	512	561	35	600	0	600	3610.48	5076	12778	609
	Nov 2017	473	503	33	600	0	600	3609.28	5066	12657	606

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 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)
* Dec 2014	864	56	37	493	8.0	8	492	693	1087.79	10667
H Jan 2015	862	73	31	832	13.5	6	832	697	1088.51	10729
I Feb 2015	589	90	28	600	10.8	8	599	700	1088.98	10769
S Mar 2015	649	57	31	1034	16.8	14	1033	677	1084.87	10419
T Apr 2015	600	26	38	1087	18.3	20	1086	646	1079.03	9931
O May 2015	699	25	43	871	14.2	25	862	632	1076.57	9729
R Jun 2015	800	16	52	868	14.6	25	868	624	1075.08	9607
I Jul 2015	1048	80	65	767	12.5	28	766	641	1078.15	9858
C Aug 2015	799	114	70	803	13.1	27	802	642	1078.31	9871
A Sep 2015	714	73	58	723	12.1	25	722	641	1078.10	9854
WY 2015	9000	722	540	9246		221	9216			
L Oct 2015	600	118	42	578	9.4	20	577	645	1078.99	9927
* Nov 2015	604	14	42	631	10.6	12	630	641	1078.23	9865
Dec 2015	900	96	36	617	10.0	10	617	662	1082.00	10177
Jan 2016	900	72	30	678	11.0	8	678	677	1084.86	10418
Feb 2016	700	77	28	569	9.9	7	569	688	1086.77	10580
Mar 2016	650	61	31	1023	16.6	15	1023	666	1082.80	10244
Apr 2016	600	76	38	1107	18.6	21	1107	636	1077.24	9784
May 2016	700	49	43	1014	16.5	29	1014	615	1073.36	9468
Jun 2016	800	23	51	939	15.8	30	939	603	1071.06	9284
Jul 2016	950	67	64	890	14.5	31	890	605	1071.44	9314
Aug 2016	900	127	68	795	12.9	29	795	614	1073.01	9440
Sep 2016	695	114	56	726	12.2	16	726	614	1073.14	9451
WY 2016	9000	894	531	9567		227	9565			
Oct 2016	600	61	41	483	7.9	20	483	621	1074.49	9560
Nov 2016	600	50	41	629	10.6	11	629	620	1074.14	9531
Dec 2016	800	96	36	560	9.1	7	560	637	1077.52	9806
Jan 2017	800	72	30	699	11.4	8	699	646	1079.06	9933
Feb 2017	650	77	27	627	11.3	7	627	650	1079.80	9995
Mar 2017	650	61	30	1025	16.7	15	1025	628	1075.69	9657
Apr 2017	600	76	37	1098	18.5	21	1098	598	1070.08	9206
May 2017	650	49	42	1004	16.3	30	1004	575	1065.59	8853
Jun 2017	800	23	50	931	15.7	30	931	564	1063.31	8676
Jul 2017	1000	67	62	881	14.3	31	881	570	1064.44	8764
Aug 2017	1050	127	66	786	12.8	29	786	588	1068.00	9041
Sep 2017	800	114	55	726	12.2	16	726	595	1069.37	9150
WY 2017	9000	874	517	9449		227	9449			
Oct 2017	600	61	41	486	7.9	21	486	602	1070.72	9257
Nov 2017	600	50	41	631	10.6	11	631	600	1070.33	9226

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



	Hoover Release	Side Inflow	Evap Losses	Power Release	Spill Release	Total Release	Total Release	Reservoir Elev	EOM Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 CFS)	End of Month (Ft)	(1000 Ac-Ft)
* Dec 2014	493	-2	9	445	0	445	7.2	637.75	1558
H Jan 2015	832	-22	10	660	0	660	10.7	642.98	1698
I Feb 2015	600	-8	10	625	0	625	11.3	641.43	1656
S Mar 2015	1034	-21	13	963	0	963	15.7	642.78	1693
T Apr 2015	1087	-18	17	1022	0	1022	17.2	643.88	1723
O May 2015	871	-10	22	854	0	854	13.9	643.30	1707
R Jun 2015	868	-19	26	810	0	810	13.6	643.81	1721
I Jul 2015	767	-14	25	762	0	762	12.4	642.57	1687
C Aug 2015	803	-16	23	775	0	775	12.6	642.12	1675
A Sep 2015	723	-16	18	758	0	758	12.7	639.56	1606
WY 2015	9246	-142	198	8945	0	8945			
L Oct 2015	578	-7	15	655	0	655	10.7	635.80	1507
* Nov 2015	631	-14	10	599	0	599	10.1	636.11	1514
Dec 2015	617	-12	9	527	0	527	8.6	638.70	1583
Jan 2016	678	-13	10	580	0	580	9.4	641.50	1658
Feb 2016	569	-13	10	538	0	538	9.4	641.80	1666
Mar 2016	1023	-15	13	960	0	960	15.6	643.05	1700
Apr 2016	1107	-19	17	1073	0	1073	18.0	643.00	1699
May 2016	1014	-15	22	976	0	976	15.9	643.00	1699
Jun 2016	939	-17	25	923	0	923	15.5	642.00	1671
Jul 2016	890	-13	25	865	0	865	14.1	641.50	1658
Aug 2016	795	-10	23	762	0	762	12.4	641.50	1658
Sep 2016	726	-6	18	742	0	742	12.5	640.01	1617
WY 2016	9567	-155	197	9202	0	9202			
Oct 2016	483	1	15	653	0	653	10.6	633.00	1434
Nov 2016	629	-11	10	556	0	556	9.3	635.00	1486
Dec 2016	560	-12	9	442	0	442	7.2	638.71	1583
Jan 2017	699	-13	10	594	0	594	9.7	641.80	1666
Feb 2017	627	-13	10	604	0	604	10.9	641.80	1666
Mar 2017	1025	-15	13	963	0	963	15.7	643.05	1700
Apr 2017	1098	-19	17	1064	0	1064	17.9	643.00	1699
May 2017	1004	-15	22	967	0	967	15.7	643.00	1699
Jun 2017	931	-17	25	916	0	916	15.4	642.00	1671
Jul 2017	881	-13	25	856	0	856	13.9	641.50	1658
Aug 2017	786	-10	23	753	0	753	12.2	641.50	1658
Sep 2017	726	-6	18	742	0	742	12.5	640.01	1617
WY 2017	9449	-143	197	9109	0	9109			
Oct 2017	486	1	15	656	0	656	10.7	633.00	1434
Nov 2017	631	-11	10	559	0	559	9.4	635.00	1486

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 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)
*	Dec 2014	445	18	7	240	3.9	109	132	446.36	549	98	1.6
H	Jan 2015	660	17	6	348	5.7	105	180	448.22	584	146	2.4
I	Feb 2015	625	9	8	473	8.5	54	109	447.38	568	172	3.1
S	Mar 2015	963	3	9	707	11.5	86	146	447.89	578	219	3.6
T	Apr 2015	1022	13	11	752	12.6	104	154	448.09	582	210	3.5
O	May 2015	854	21	13	559	9.1	108	177	448.50	590	113	1.8
R	Jun 2015	810	19	16	615	10.3	104	77	448.89	597	109	1.8
I	Jul 2015	762	17	17	592	9.6	107	70	447.99	580	107	1.7
C	Aug 2015	775	16	17	580	9.4	107	70	448.30	586	93	1.5
A	Sep 2015	758	19	15	487	8.2	104	168	448.04	581	90	1.5
WY 2015		8945	178	140	6135		1195	1566			1510	
L	Oct 2015	655	34	12	458	7.5	101	115	447.88	578	59	1.0
*	Nov 2015	599	12	9	385	6.5	98	120	447.57	572	93	1.6
	Dec 2015	527	21	7	330	5.4	99	129	446.50	552	104	1.7
	Jan 2016	580	18	6	348	5.7	99	140	446.50	552	130	2.1
	Feb 2016	538	11	8	435	7.6	15	86	446.50	552	161	2.8
	Mar 2016	960	15	9	719	11.7	95	140	446.70	555	205	3.3
	Apr 2016	1073	23	11	786	13.2	90	162	448.70	593	205	3.4
	May 2016	976	17	13	707	11.5	93	168	448.70	593	113	1.8
	Jun 2016	923	15	16	700	11.8	90	118	448.70	593	111	1.9
	Jul 2016	865	29	17	703	11.4	93	80	448.00	580	119	1.9
	Aug 2016	762	27	17	598	9.7	93	79	447.50	571	100	1.6
	Sep 2016	742	23	15	533	9.0	90	118	447.50	570	89	1.5
WY 2016		9202	246	139	6701		1057	1454			1490	
	Oct 2016	653	25	12	441	7.2	93	124	447.50	571	55	0.9
	Nov 2016	556	27	9	357	6.0	90	121	447.50	571	103	1.7
	Dec 2016	442	21	7	269	4.4	93	108	446.50	552	108	1.7
	Jan 2017	594	18	6	347	5.6	79	174	446.50	552	130	2.1
	Feb 2017	604	11	8	438	7.9	70	93	446.50	552	161	2.9
	Mar 2017	963	15	9	730	11.9	79	147	446.70	555	205	3.3
	Apr 2017	1064	23	11	784	13.2	76	169	448.70	593	205	3.4
	May 2017	967	17	13	704	11.4	79	175	448.70	593	113	1.8
	Jun 2017	916	15	16	700	11.8	76	126	448.70	593	111	1.9
	Jul 2017	856	29	17	702	11.4	79	87	448.00	580	119	1.9
	Aug 2017	753	27	17	595	9.7	79	86	447.50	571	100	1.6
	Sep 2017	742	23	15	540	9.1	76	125	447.50	570	89	1.5
WY 2017		9109	252	139	6607		969	1537			1500	
	Oct 2017	656	25	12	451	7.3	79	132	447.50	571	55	0.9
	Nov 2017	559	27	9	367	6.2	76	129	447.50	571	103	1.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 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
*	Dec 2014	493	8.0	1087.79	10667	358	446.86	889.0	189.0	55	383.3
H	Jan 2015	832	13.5	1088.51	10729	62	441.51	1018.0	333.5	63	400.6
I	Feb 2015	600	10.8	1088.98	10769	40	444.73	848.0	239.1	52	398.4
S	Mar 2015	1034	16.8	1084.87	10419	-350	440.21	952.0	412.2	60	398.7
T	Apr 2015	1087	18.3	1079.03	9931	-488	430.55	1217.0	427.4	76	393.2
O	May 2015	871	14.2	1076.57	9729	-202	432.58	1165.0	337.2	74	387.2
R	Jun 2015	868	14.6	1075.08	9607	-121	427.78	1573.0	332.0	100	382.4
I	Jul 2015	767	12.5	1078.15	9858	251	432.42	1455.0	292.7	94	381.4
C	Aug 2015	803	13.1	1078.31	9871	13	434.75	1451.0	307.8	93	383.4
A	Sep 2015	723	12.1	1078.10	9854	-17	435.36	1563.0	275.2	100	380.7
WY 2015		9246						3596.9			
L	Oct 2015	578	9.4	1078.99	9927	73	435.13	757.4	221.8	70	383.6
*	Nov 2015	631	10.6	1078.23	9865	-63	433.49	1088.0	244.8	70	387.9
	Dec 2015	617	10.0	1082.00	10177	312	433.75	1069.0	240.5	68	389.8
	Jan 2016	678	11.0	1084.86	10418	240	436.00	969.0	266.3	61	392.9
	Feb 2016	569	9.9	1086.77	10580	162	437.34	975.0	224.1	61	393.7
	Mar 2016	1023	16.6	1082.80	10244	-336	434.43	1162.0	404.7	74	395.7
	Apr 2016	1107	18.6	1077.24	9784	-460	427.95	1333.0	433.7	87	391.7
	May 2016	1014	16.5	1073.36	9468	-316	421.87	1514.0	381.6	100	376.5
	Jun 2016	939	15.8	1071.06	9284	-185	419.13	1502.0	355.4	100	378.6
	Jul 2016	890	14.5	1071.44	9314	31	418.67	1508.0	340.1	100	382.2
	Aug 2016	795	12.9	1073.01	9440	126	419.80	1528.0	301.3	100	378.8
	Sep 2016	726	12.2	1073.14	9451	10	421.12	1536.0	274.1	100	377.5
WY 2016		9567						3688.3			
	Oct 2016	483	7.9	1074.49	9560	109	425.39	1338.0	183.8	87	380.3
	Nov 2016	629	10.6	1074.14	9531	-29	428.07	1352.0	237.6	88	378.0
	Dec 2016	560	9.1	1077.52	9806	275	429.66	1084.0	213.5	69	381.0
	Jan 2017	699	11.4	1079.06	9933	127	430.54	995.0	272.1	63	389.2
	Feb 2017	627	11.3	1079.80	9995	62	431.43	884.0	245.7	56	392.1
	Mar 2017	1025	16.7	1075.69	9657	-338	429.34	871.0	411.2	56	401.1
	Apr 2017	1098	18.5	1070.08	9206	-451	420.87	1311.7	422.3	87	384.6
	May 2017	1004	16.3	1065.59	8853	-353	414.47	1489.1	370.5	100	369.1
	Jun 2017	931	15.7	1063.31	8676	-176	411.45	1476.1	345.5	100	371.0
	Jul 2017	881	14.3	1064.44	8764	87	411.37	1482.3	330.3	100	374.8
	Aug 2017	786	12.8	1068.00	9041	278	413.85	1502.2	292.9	100	372.9
	Sep 2017	726	12.2	1069.37	9150	109	416.78	1509.8	271.4	100	373.6
WY 2017		9449						3596.9			
	Oct 2017	486	7.9	1070.72	9257	107	421.65	1314.8	183.5	87	377.6
	Nov 2017	631	10.6	1070.33	9226	-31	424.31	1328.2	236.7	88	375.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 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
*	Dec 2014	445	7.2	637.75	1558	37	134.54	165.8	52.7	65	118.4
H	Jan 2015	660	10.7	642.98	1698	141	141.44	163.2	82.8	64	125.4
I	Feb 2015	625	11.3	641.43	1656	-42	140.07	188.7	79.9	74	127.8
S	Mar 2015	963	15.7	642.78	1693	37	139.75	229.5	123.2	90	128.0
T	Apr 2015	1022	17.2	643.88	1723	30	141.00	255.0	129.5	100	126.8
O	May 2015	854	13.9	643.30	1707	-16	141.92	252.5	110.0	99	128.8
R	Jun 2015	810	13.6	643.81	1721	14	144.85	255.0	104.6	100	129.1
I	Jul 2015	762	12.4	642.57	1687	-34	140.97	255.0	98.4	100	129.1
C	Aug 2015	775	12.6	642.12	1675	-12	142.40	255.0	99.2	100	127.9
A	Sep 2015	758	12.7	639.56	1606	-69	137.76	255.0	95.5	100	126.0
WY 2015		8945							1122.4		
L	Oct 2015	655	10.7	635.80	1507	-99	136.05	211.7	81.6	83	124.5
*	Nov 2015	599	10.1	636.11	1514	8	136.53	165.8	72.5	65	121.0
	Dec 2015	527	8.6	638.70	1583	68	133.26	155.6	64.6	61	122.5
	Jan 2016	580	9.4	641.50	1658	75	135.98	158.1	72.3	62	124.6
	Feb 2016	538	9.4	641.80	1666	8	137.11	170.9	67.8	67	126.0
	Mar 2016	960	15.6	643.05	1700	34	136.71	209.1	119.6	82	124.6
	Apr 2016	1073	18.0	643.00	1699	-2	136.40	242.3	133.5	95	124.4
	May 2016	976	15.9	643.00	1699	0	136.04	255.0	122.1	100	125.0
	Jun 2016	923	15.5	642.00	1671	-27	135.51	255.0	115.1	100	124.7
	Jul 2016	865	14.1	641.50	1658	-14	134.73	255.0	107.6	100	124.4
	Aug 2016	762	12.4	641.50	1658	0	134.46	255.0	95.1	100	124.8
	Sep 2016	742	12.5	640.01	1617	-40	133.68	255.0	92.1	100	124.1
WY 2016		9202							1143.9		
	Oct 2016	653	10.6	633.00	1434	-183	129.77	234.6	79.0	92	120.9
	Nov 2016	556	9.3	635.00	1486	51	128.06	204.0	66.3	80	119.1
	Dec 2016	442	7.2	638.71	1583	97	130.45	224.4	54.1	88	122.6
	Jan 2017	594	9.7	641.80	1666	83	135.03	191.3	74.0	75	124.6
	Feb 2017	604	10.9	641.80	1666	0	137.09	176.0	75.8	69	125.6
	Mar 2017	963	15.7	643.05	1700	34	135.44	255.0	119.9	100	124.6
	Apr 2017	1064	17.9	643.00	1699	-2	136.07	255.0	132.4	100	124.4
	May 2017	967	15.7	643.00	1699	0	136.04	255.0	120.9	100	125.1
	Jun 2017	916	15.4	642.00	1671	-27	135.51	255.0	114.2	100	124.7
	Jul 2017	856	13.9	641.50	1658	-14	134.73	255.0	106.6	100	124.5
	Aug 2017	753	12.2	641.50	1658	0	134.46	255.0	93.9	100	124.8
	Sep 2017	742	12.5	640.01	1617	-40	133.68	255.0	92.1	100	124.1
WY 2017		9109							1129.2		
	Oct 2017	656	10.7	633.00	1434	-183	129.77	234.6	79.3	92	120.9
	Nov 2017	559	9.4	635.00	1486	51	128.06	204.0	66.6	80	119.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

December 2015 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
* Dec 2014	240	3.9	446.36	549	-26	81.87	120.0	15.5	100	64.8
H Jan 2015	348	5.7	448.22	584	35	82.97	93.6	24.3	78	69.7
I Feb 2015	473	8.5	447.38	568	-16	81.70	94.8	33.2	79	70.2
S Mar 2015	707	11.5	447.89	578	10	79.76	108.0	49.6	90	70.2
T Apr 2015	752	12.6	448.09	582	4	80.20	120.0	52.5	100	69.8
O May 2015	559	9.1	448.50	590	8	81.62	112.8	39.5	94	70.7
R Jun 2015	615	10.3	448.89	597	7	79.48	120.0	43.6	100	70.8
I Jul 2015	592	9.6	447.99	580	-17	81.75	120.0	41.8	100	70.7
C Aug 2015	580	9.4	448.30	586	6	82.40	120.0	40.9	100	70.4
A Sep 2015	487	8.2	448.04	581	-5	82.23	120.0	34.6	100	71.1
WY 2015	6135							430.7		
L Oct 2015	458	7.5	447.88	578	-3	81.97	91.2	32.3	76	70.6
* Nov 2015	385	6.5	447.57	572	-6	83.21	96.0	27.1	80	70.3
Dec 2015	330	5.4	446.50	552	-20	74.43	120.0	20.8	100	63.2
Jan 2016	348	5.7	446.50	552	0	75.01	96.0	22.3	80	64.0
Feb 2016	435	7.6	446.50	552	0	75.13	93.6	28.3	78	65.1
Mar 2016	719	11.7	446.70	555	4	74.01	120.0	46.7	100	65.0
Apr 2016	786	13.2	448.70	593	38	75.08	120.0	51.9	100	66.0
May 2016	707	11.5	448.70	593	0	76.05	120.0	47.0	100	66.5
Jun 2016	700	11.8	448.70	593	0	76.05	120.0	46.6	100	66.5
Jul 2016	703	11.4	448.00	580	-13	75.71	120.0	46.6	100	66.2
Aug 2016	598	9.7	447.50	571	-9	75.13	120.0	39.1	100	65.4
Sep 2016	533	9.0	447.50	570	0	74.89	120.0	34.7	100	65.1
WY 2016	6701							443.3		
Oct 2016	441	7.2	447.50	571	0	75.74	100.8	28.8	84	65.2
Nov 2016	357	6.0	447.50	571	0	75.92	97.2	23.2	81	64.8
Dec 2016	269	4.4	446.50	552	-19	74.40	120.0	16.8	100	62.3
Jan 2017	347	5.6	446.50	552	0	75.13	93.6	22.2	78	64.1
Feb 2017	438	7.9	446.50	552	0	74.71	102.0	28.4	85	64.8
Mar 2017	730	11.9	446.70	555	4	74.01	120.0	47.4	100	65.0
Apr 2017	784	13.2	448.70	593	38	75.08	120.0	51.7	100	66.0
May 2017	704	11.4	448.70	593	0	76.05	120.0	46.8	100	66.5
Jun 2017	700	11.8	448.70	593	0	76.05	120.0	46.6	100	66.5
Jul 2017	702	11.4	448.00	580	-13	75.71	120.0	46.5	100	66.2
Aug 2017	595	9.7	447.50	571	-9	75.13	120.0	39.0	100	65.4
Sep 2017	540	9.1	447.50	570	0	74.89	120.0	35.2	100	65.1
WY 2017	6607							432.4		
Oct 2017	451	7.3	447.50	571	0	75.74	100.8	29.5	84	65.3
Nov 2017	367	6.2	447.50	571	0	75.92	97.2	23.8	81	64.9

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 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
* Dec 2014	377	43	15	19	11	6
H Jan 2015	373	48	16	20	10	6
I Feb 2015	254	44	8	10	2	5
S Mar 2015	278	48	7	9	5	6
Winter 2015	1827	250	72	83	46	37
T Apr 2015	256	28	13	17	11	7
O May 2015	299	65	21	30	18	8
R Jun 2015	348	40	38	67	21	9
I Jul 2015	471	42	41	53	22	8
C Aug 2015	357	42	32	38	21	7
A Sep 2015	317	40	28	37	18	0
Summer 2015	2049	256	173	241	111	39
L Oct 2015	264	52	26	32	0	4
* Nov 2015	256	52	13	15	0	4
Dec 2015	357	49	20	18	9	5
Jan 2016	353	49	19	23	12	4
Feb 2016	272	46	12	15	8	4
Mar 2016	252	19	10	13	7	4
Winter 2016	1755	268	99	117	36	25
Apr 2016	232	17	14	20	11	4
May 2016	273	40	43	60	23	5
Jun 2016	318	51	16	25	17	7
Jul 2016	382	28	28	34	18	9
Aug 2016	359	28	32	39	20	7
Sep 2016	276	27	29	35	18	6
Summer 2016	1840	192	162	213	107	38
Oct 2016	237	28	14	18	10	6
Nov 2016	236	27	5	7	4	6
Dec 2016	313	28	22	28	14	6
Jan 2017	310	28	22	28	14	5
Feb 2017	250	25	13	17	9	4
Mar 2017	250	28	9	13	7	4
Winter 2017	1596	164	86	111	58	31
Apr 2017	231	27	13	21	12	5
May 2017	255	50	44	63	23	7
Jun 2017	323	70	18	29	20	9
Jul 2017	410	41	29	35	19	10
Aug 2017	427	41	38	45	23	10
Sep 2017	323	39	36	43	22	9
Summer 2017	1646	229	143	193	97	40
Oct 2017	242	41	14	18	10	9
Nov 2017	241	39	5	7	4	7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



December 2015 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming	Blue		Lake	Upper Basin	Lake	Total	Total	Flaming	Blue	Tot or Max	Lake	Lake	BOM Space		Mead	Mead	Sys	
	Gorge	Mesa	Navajo	Powell	Total	Mead			Gorge	Mesa	Navajo	Allow	Powell	Mead	Total	Required	Sched Rel	FC Rel	Cont
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF
****PREDICTED SPACE****									****CREDITABLE SPACE****										
Dec 2015	572	171	296	12042	13082	17512	30594	572	171	296	1039	12042	17512	30594	4580	617	0	29.8	
Jan 2016	676	210	298	12486	13671	17200	30871	676	210	298	1185	12486	17200	30871	5350	678	0	29.5	
****EFFECTIVE SPACE****									****EFFECTIVE SPACE****										
Jan 2016	676	210	298	12486	13671	17200	30871	159	130	271	560	12486	17200	30246	5350	678	0	29.5	
Feb 2016	777	248	304	12937	14266	16959	31225	260	169	276	705	12937	16959	30602	1500	569	0	29.3	
Mar 2016	866	266	304	13190	14626	16797	31423	348	189	275	813	13190	16797	30800	1500	1023	0	28.9	
Apr 2016	838	267	275	13366	14747	17133	31880	315	192	240	747	13366	17133	31246	1500	1107	0	28.6	
May 2016	783	249	201	13351	14584	17593	32177	253	172	143	567	13351	17593	31512	1500	1014	0	29.2	
Jun 2016	737	244	130	12607	13719	17909	31628	198	151	35	384	12607	17909	30900	1500	939	0	30.3	
Jul 2016	628	100	166	11494	12388	18093	30482	78	-13	17	82	11494	18093	29669	1500	890	0	30.1	
****CREDITABLE SPACE****									****CREDITABLE SPACE****										
Aug 2016	567	112	207	11694	12580	18063	30642	567	112	207	885	11694	18063	30642	1500	795	0	29.7	
Sep 2016	593	160	246	12136	13136	17937	31072	593	160	246	999	12136	17937	31072	2270	726	0	29.3	
Oct 2016	637	211	308	12377	13533	17926	31459	637	211	308	1156	12377	17926	31459	3040	483	0	29.0	
Nov 2016	671	215	301	12530	13717	17817	31534	671	215	301	1187	12530	17817	31534	3810	629	0	28.8	
Dec 2016	702	200	299	12704	13906	17846	31751	702	200	299	1201	12704	17846	31751	4580	560	0	28.7	
Jan 2017	746	248	301	13051	14346	17571	31917	746	248	301	1296	13051	17571	31917	5350	699	0	28.5	
****EFFECTIVE SPACE****									****EFFECTIVE SPACE****										
Jan 2017	746	248	301	13051	14346	17571	31917	428	248	176	853	13051	17571	31474	5350	699	0	28.5	
Feb 2017	785	297	305	13383	14771	17444	32215	464	297	180	942	13383	17444	31769	1500	627	0	28.3	
Mar 2017	813	319	299	13594	15024	17382	32407	489	319	172	981	13594	17382	31957	1500	1025	0	28.0	
Apr 2017	792	314	244	13678	15028	17720	32748	464	314	111	888	13678	17720	32287	1500	1098	0	28.0	
May 2017	740	286	179	13442	14647	18171	32819	405	286	24	715	13442	18171	32328	1500	1004	0	29.2	
Jun 2017	643	230	221	12038	13132	18524	31656	297	226	28	551	12038	18524	31113	1500	931	0	30.7	
Jul 2017	460	52	296	10656	11464	18701	30165	99	25	50	175	10656	18701	29532	1500	881	0	30.7	
****CREDITABLE SPACE****									****CREDITABLE SPACE****										
Aug 2017	379	27	304	10726	11435	18613	30049	379	27	304	710	10726	18613	30049	1500	786	0	30.4	
Sep 2017	416	77	312	11191	11996	18336	30332	416	77	312	805	11191	18336	30332	2270	726	0	30.1	
Oct 2017	481	147	309	11475	12412	18227	30639	481	147	309	937	11475	18227	30639	3040	486	0	29.9	
Nov 2017	541	151	297	11544	12532	18120	30653	541	151	297	989	11544	18120	30653	3810	631	0	29.7	

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