

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 2016 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 2016 Annual Operating Plan (AOP) and the draft 2017 AOP. Pursuant to the Interim Guidelines, the August 2016 24-Month Study projections of the January 1, 2017, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2017.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2017 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 2017. This October 2016 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 2017.

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 2016 and 2017.

The 2017 operational tier determinations will be documented in the 2017 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 2016 AOP is available for download at: <http://www.usbr.gov/lc/region/g4000/aop/AOP16.pdf>.

The draft 2017 AOP is available for download at http://www.usbr.gov/uc/water/rsrvs/ops/aop/2017AOP_2016-09-02_Consultation-3.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 September was 0.281 maf or 69 percent of the 30-year average from 1981 to 2010. The forecast for October unregulated inflow into Lake Powell is 0.450 maf or 88 percent of the 30-year average. The observed 2016 April through July unregulated inflow is 6.610 maf or 92 percent of average.

In this study, the calendar year 2016 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 1.004 maf. The calendar year 2016 diversion for the Central Arizona Project (CAP) is forecasted to be 1.480 maf. Consumptive use for Nevada above Hoover (SNWP Use) is forecasted to be 0.222 maf for calendar year 2016.

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



October 2016 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 2015	46	1	46	15	61	6491.60	238
H Nov 2015	40	1	56	1	57	6489.03	221
I Dec 2015	36	1	58	0	58	6485.40	197
S Jan 2016	32	1	49	10	58	6480.71	170
T Feb 2016	34	0	55	0	55	6476.59	149
O Mar 2016	50	1	58	0	58	6474.73	140
R Apr 2016	91	1	56	0	56	6481.34	174
I May 2016	186	2	86	20	106	6493.63	252
C Jun 2016	293	2	101	143	243	6500.14	299
A Jul 2016	80	3	73	3	76	6500.25	300
L Aug 2016	29	2	65	0	65	6495.03	262
* Sep 2016	26	2	36	21	58	6490.22	229
WY 2016	943	15	739	213	952		
Oct 2016	40	1	58	0	58	6487.28	210
Nov 2016	40	1	55	0	55	6484.86	195
Dec 2016	32	1	57	0	57	6480.54	170
Jan 2017	28	1	57	0	57	6474.83	141
Feb 2017	27	0	51	0	51	6469.32	116
Mar 2017	43	0	57	0	57	6465.85	102
Apr 2017	68	1	71	0	71	6464.82	98
May 2017	120	1	92	0	92	6471.39	125
Jun 2017	250	2	89	0	89	6497.97	284
Jul 2017	168	3	102	9	111	6505.10	338
Aug 2017	65	2	82	0	82	6502.60	319
Sep 2017	44	2	70	0	70	6498.91	291
WY 2017	925	14	841	9	850		
Oct 2017	47	1	69	0	69	6495.79	268
Nov 2017	42	1	67	0	67	6492.11	242
Dec 2017	32	1	69	0	69	6486.39	205
Jan 2018	30	1	69	0	69	6479.77	166
Feb 2018	28	0	62	0	62	6472.60	130
Mar 2018	53	0	69	0	69	6468.72	114
Apr 2018	85	1	89	0	89	6467.64	109
May 2018	164	1	98	7	105	6480.12	167
Jun 2018	299	2	102	69	171	6499.27	293
Jul 2018	178	3	101	28	129	6505.18	339
Aug 2018	77	2	100	4	105	6501.30	309
Sep 2018	46	2	89	0	89	6495.18	264
WY 2018	1080	15	984	108	1092		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	48	63	7	131	0	131	136	6030.73	3377	162
H Nov 2015	38	55	4	131	0	131	133	6028.73	3300	176
I Dec 2015	38	61	2	137	0	137	130	6026.75	3225	172
S Jan 2016	44	71	2	134	0	134	127	6025.07	3163	168
T Feb 2016	63	84	2	118	0	118	126	6024.11	3127	164
O Mar 2016	84	93	3	51	0	51	127	6025.13	3165	131
R Apr 2016	140	105	5	50	0	50	129	6026.43	3213	316
I May 2016	362	282	8	52	0	52	138	6032.01	3427	701
C Jun 2016	455	405	11	270	198	469	135	6030.17	3356	965
A Jul 2016	91	88	13	116	4	120	133	6029.03	3312	223
L Aug 2016	28	64	13	110	0	110	131	6027.55	3255	137
* Sep 2016	36	67	11	107	0	107	129	6026.27	3207	127
WY 2016	1427	1437	80	1406	203	1609				3442
Oct 2016	50	68	7	85	0	85	128	6025.65	3184	106
Nov 2016	50	65	3	77	0	77	128	6025.23	3169	110
Dec 2016	34	59	2	106	0	106	126	6023.94	3121	134
Jan 2017	40	69	2	111	0	111	124	6022.79	3079	136
Feb 2017	41	65	2	100	0	100	123	6021.80	3044	123
Mar 2017	94	108	3	52	0	52	125	6023.20	3094	118
Apr 2017	125	128	5	48	0	48	127	6025.19	3167	231
May 2017	185	157	8	104	0	104	129	6026.38	3212	589
Jun 2017	325	164	10	154	0	154	129	6026.39	3212	609
Jul 2017	205	148	13	91	0	91	131	6027.51	3254	171
Aug 2017	76	93	12	91	0	91	131	6027.26	3244	112
Sep 2017	50	76	11	88	0	88	130	6026.68	3223	103
WY 2017	1275	1200	78	1106	0	1106				2541
Oct 2017	55	77	7	91	0	91	129	6026.14	3203	119
Nov 2017	50	75	3	88	0	88	128	6025.72	3187	117
Dec 2017	35	72	2	91	0	91	127	6025.18	3167	116
Jan 2018	40	79	2	91	0	91	127	6024.83	3154	116
Feb 2018	45	79	2	82	0	82	127	6024.70	3149	110
Mar 2018	102	119	3	91	0	91	128	6025.35	3173	167
Apr 2018	134	137	5	88	0	88	129	6026.51	3216	303
May 2018	245	186	8	154	0	154	130	6027.14	3240	686
Jun 2018	390	262	10	140	0	140	135	6029.94	3347	560
Jul 2018	210	162	14	98	0	98	137	6031.17	3395	198
Aug 2018	89	117	13	98	0	98	137	6031.31	3400	124
Sep 2018	55	99	11	95	0	95	136	6031.11	3392	114
WY 2018	1449	1462	80	1206	0	1206				2729

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	7	8	9310.71	71
H Nov 2015	5	6	9310.40	71
I Dec 2015	5	6	9309.95	70
S Jan 2016	6	6	9309.87	70
T Feb 2016	4	5	9309.07	68
O Mar 2016	5	6	9308.44	67
R Apr 2016	9	6	9310.70	71
I May 2016	17	11	9314.16	77
C Jun 2016	41	20	9325.34	97
A Jul 2016	11	21	9320.04	87
L Aug 2016	9	16	9315.75	79
* Sep 2016	6	14	9310.77	71
WY 2016 125 125				
Oct 2016	6	6	9310.46	71
Nov 2016	5	5	9310.46	71
Dec 2016	4	5	9309.83	70
Jan 2017	4	5	9309.20	69
Feb 2017	3	5	9307.91	67
Mar 2017	3	5	9306.60	65
Apr 2017	6	5	9307.26	66
May 2017	23	10	9315.29	79
Jun 2017	38	15	9327.72	102
Jul 2017	14	20	9324.64	96
Aug 2017	8	20	9318.16	84
Sep 2017	6	17	9311.70	73
WY 2017 120 118				
Oct 2017	6	8	9310.35	70
Nov 2017	5	6	9309.59	69
Dec 2017	5	6	9308.75	68
Jan 2018	4	6	9307.68	66
Feb 2018	4	6	9306.24	64
Mar 2018	4	6	9305.19	63
Apr 2018	9	6	9307.03	65
May 2018	28	20	9312.27	74
Jun 2018	42	22	9323.41	93
Jul 2018	20	22	9322.42	91
Aug 2018	10	20	9317.07	82
Sep 2018	7	16	9311.98	73
WY 2018 144 144				

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	33	34	1	87	0	87	7501.39	673
H Nov 2015	30	31	0	45	0	45	7499.64	658
I Dec 2015	27	28	0	62	0	62	7495.46	624
S Jan 2016	27	27	0	61	0	61	7491.12	590
T Feb 2016	26	27	0	59	0	58	7487.04	559
O Mar 2016	41	42	0	36	0	37	7487.62	563
R Apr 2016	75	72	1	63	0	63	7488.62	571
I May 2016	161	155	1	134	19	153	7488.74	572
C Jun 2016	285	265	1	46	0	46	7514.84	788
A Jul 2016	81	91	2	112	0	112	7512.31	766
L Aug 2016	57	65	1	110	0	110	7506.94	720
* Sep 2016	38	46	1	100	0	100	7500.48	665
WY 2016	881	882	9	914	19	934		
Oct 2016	34	35	1	75	0	75	7495.48	625
Nov 2016	29	29	0	36	0	36	7494.53	617
Dec 2016	25	26	0	66	0	66	7489.49	577
Jan 2017	23	24	0	53	0	53	7485.69	548
Feb 2017	19	21	0	42	0	42	7482.90	527
Mar 2017	30	32	0	35	0	35	7482.46	524
Apr 2017	64	63	1	52	0	52	7483.83	534
May 2017	177	164	1	162	0	162	7483.96	535
Jun 2017	240	217	1	69	0	69	7502.53	682
Jul 2017	85	91	1	86	0	86	7502.91	685
Aug 2017	49	61	1	93	0	93	7498.96	653
Sep 2017	35	46	1	82	0	82	7494.42	616
WY 2017	810	809	8	849	0	849		
Oct 2017	36	38	1	53	0	53	7492.56	601
Nov 2017	30	32	0	26	0	26	7493.21	607
Dec 2017	26	27	0	56	0	56	7489.45	577
Jan 2018	24	26	0	50	0	50	7486.29	553
Feb 2018	22	25	0	39	0	39	7484.36	538
Mar 2018	36	38	0	33	0	33	7484.92	542
Apr 2018	77	74	1	55	0	55	7487.35	561
May 2018	221	213	1	172	0	172	7492.48	601
Jun 2018	261	241	1	65	0	65	7513.35	775
Jul 2018	117	119	2	80	0	80	7517.46	812
Aug 2018	63	73	1	108	0	108	7513.45	776
Sep 2018	38	47	1	97	0	97	7507.60	725
WY 2018	952	952	9	834	0	834		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	34	87	0	87	93	0	93	7135.56	98
H Nov 2015	31	45	1	46	47	0	47	7133.97	97
I Dec 2015	28	62	1	62	46	1	47	7154.01	112
S Jan 2016	27	61	1	62	64	0	64	7150.69	110
T Feb 2016	27	58	1	60	61	0	61	7148.82	108
O Mar 2016	43	37	2	39	36	0	36	7152.74	111
R Apr 2016	83	63	7	71	71	0	71	7152.57	111
I May 2016	176	153	15	168	176	4	180	7136.53	99
C Jun 2016	302	46	18	64	52	0	52	7152.31	111
A Jul 2016	83	112	2	114	113	0	113	7153.43	112
L Aug 2016	58	110	1	111	111	0	111	7153.88	112
* Sep 2016	39	100	1	100	103	0	103	7150.03	109
WY 2016	931	934	49	983	972	5	978		
Oct 2016	35	75	1	76	73	0	73	7153.73	112
Nov 2016	30	36	1	37	37	0	37	7153.73	112
Dec 2016	26	66	1	67	67	0	67	7153.73	112
Jan 2017	24	53	1	54	54	0	54	7153.73	112
Feb 2017	20	42	1	43	43	0	43	7153.73	112
Mar 2017	33	35	3	38	38	0	38	7153.73	112
Apr 2017	71	52	7	59	59	0	59	7153.73	112
May 2017	190	162	13	175	175	0	175	7153.73	112
Jun 2017	255	69	15	84	84	0	84	7153.73	112
Jul 2017	88	86	3	89	89	0	89	7153.73	112
Aug 2017	51	93	2	95	95	0	95	7153.73	112
Sep 2017	37	82	2	84	84	0	84	7153.73	112
WY 2017	860	849	50	899	896	0	896		
Oct 2017	38	53	2	55	55	0	55	7153.73	112
Nov 2017	32	26	2	28	28	0	28	7153.73	112
Dec 2017	28	56	2	58	58	0	58	7153.73	112
Jan 2018	27	50	2	52	52	0	52	7153.73	112
Feb 2018	25	39	3	41	41	0	41	7153.73	112
Mar 2018	40	33	4	37	37	0	37	7153.73	112
Apr 2018	88	55	11	66	66	0	66	7153.73	112
May 2018	247	172	26	198	198	0	198	7153.73	112
Jun 2018	281	65	20	85	85	0	85	7153.73	112
Jul 2018	123	80	6	87	87	0	87	7153.73	112
Aug 2018	67	108	3	111	111	0	111	7153.73	112
Sep 2018	41	97	3	99	99	0	99	7153.73	112
WY 2018	1037	834	84	919	919	0	919		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 24-Month Study

Most Probable Inflow*
Crystal Reservoir



	Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev	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)	End of Month (Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
* Oct 2015	37	93	3	96	0	94	94	6750.81	16	51	44
H Nov 2015	34	47	3	50	0	50	50	6750.12	16	0	51
I Dec 2015	32	47	4	51	40	12	52	6747.07	15	1	53
S Jan 2016	31	64	4	68	67	0	68	6748.20	16	1	69
T Feb 2016	30	61	3	64	63	0	63	6752.48	17	0	65
O Mar 2016	48	36	5	41	41	0	41	6752.32	17	2	41
R Apr 2016	92	71	9	80	80	0	80	6751.41	16	47	36
I May 2016	194	180	18	198	109	64	197	6753.13	17	51	154
C Jun 2016	344	52	41	93	74	20	93	6752.00	17	43	53
A Jul 2016	89	113	6	119	117	2	119	6750.04	16	64	58
L Aug 2016	62	111	4	114	114	0	114	6749.30	16	62	53
* Sep 2016	42	103	3	106	106	1	107	6747.05	15	59	47
WY 2016	1034	978	103	1081	811	243	1080			384	724
Oct 2016	40	73	5	78	76	0	76	6753.04	17	30	46
Nov 2016	33	37	3	40	40	0	40	6753.04	17	0	40
Dec 2016	29	67	3	70	70	0	70	6753.04	17	0	70
Jan 2017	28	54	4	58	58	0	58	6753.04	17	0	58
Feb 2017	23	43	3	46	46	0	46	6753.04	17	0	46
Mar 2017	37	38	4	42	42	0	42	6753.04	17	5	37
Apr 2017	80	59	9	68	68	0	68	6753.04	17	30	38
May 2017	210	175	20	195	134	61	195	6753.04	17	55	140
Jun 2017	280	84	25	109	109	0	109	6753.04	17	60	49
Jul 2017	97	89	9	98	98	0	98	6753.04	17	65	33
Aug 2017	56	95	5	100	100	0	100	6753.04	17	65	35
Sep 2017	42	84	5	89	89	0	89	6753.04	17	55	34
WY 2017	955	896	95	991	929	61	990			365	625
Oct 2017	44	55	5	60	60	0	60	6753.04	17	30	30
Nov 2017	37	28	4	33	33	0	33	6753.04	17	0	33
Dec 2017	32	58	5	63	63	0	63	6753.04	17	0	63
Jan 2018	31	52	5	57	57	0	57	6753.04	17	0	57
Feb 2018	29	41	4	45	45	0	45	6753.04	17	0	45
Mar 2018	46	37	6	43	43	0	43	6753.04	17	5	38
Apr 2018	101	66	12	79	79	0	79	6753.04	17	30	49
May 2018	281	198	34	232	134	98	232	6753.04	17	55	177
Jun 2018	315	85	34	119	119	0	119	6753.04	17	60	59
Jul 2018	138	87	14	101	101	0	101	6753.04	17	65	36
Aug 2018	75	111	8	119	119	0	119	6753.04	17	65	54
Sep 2018	47	99	6	105	105	0	105	6753.04	17	55	50
WY 2018	1175	919	139	1057	959	98	1057			365	692

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



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Oct 2015	17	15	7645.65	77
H Nov 2015	11	5	7648.25	83
I Dec 2015	7	4	7649.57	86
S Jan 2016	6	7	7649.21	85
T Feb 2016	7	6	7649.77	86
O Mar 2016	14	6	7652.71	94
R Apr 2016	25	13	7657.23	105
I May 2016	60	44	7663.23	121
C Jun 2016	77	73	7664.30	124
A Jul 2016	17	38	7656.15	102
L Aug 2016	15	33	7648.82	84
* Sep 2016	14	27	7643.21	71
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WY 2016	269	270		
Oct 2016	10	15	7640.65	66
Nov 2016	7	2	7643.00	71
Dec 2016	6	2	7644.82	75
Jan 2017	5	2	7646.17	78
Feb 2017	4	2	7647.13	80
Mar 2017	6	2	7648.82	84
Apr 2017	18	2	7655.31	100
May 2017	61	38	7664.10	123
Jun 2017	68	67	7664.10	123
Jul 2017	27	42	7658.37	108
Aug 2017	18	38	7650.25	88
Sep 2017	15	30	7643.82	73
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WY 2017	245	240		
Oct 2017	14	17	7642.36	69
Nov 2017	8	2	7645.26	76
Dec 2017	6	2	7647.18	80
Jan 2018	5	2	7648.65	84
Feb 2018	5	2	7649.90	87
Mar 2018	9	2	7652.60	93
Apr 2018	23	2	7660.91	114
May 2018	71	62	7664.11	123
Jun 2018	70	70	7664.11	123
Jul 2018	29	42	7659.11	110
Aug 2018	20	38	7651.78	91
Sep 2018	17	30	7646.54	79
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WY 2018	279	269		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 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)
* Oct 2015	42	1	40	2	9	29	6063.43	1392	55
H Nov 2015	37	1	30	1	0	21	6064.00	1400	39
I Dec 2015	23	0	19	1	0	21	6063.81	1397	34
S Jan 2016	22	0	23	1	0	22	6063.77	1396	34
T Feb 2016	42	2	39	1	1	28	6064.39	1405	43
O Mar 2016	81	7	67	2	4	25	6067.08	1441	52
R Apr 2016	119	13	94	3	19	22	6070.75	1491	53
I May 2016	209	26	165	4	12	91	6074.87	1549	175
C Jun 2016	214	35	174	5	25	250	6067.29	1443	376
A Jul 2016	24	4	40	5	37	79	6061.29	1364	97
L Aug 2016	30	4	45	4	33	35	6059.16	1337	54
* Sep 2016	21	1	33	3	27	30	6056.98	1310	42
WY 2016	863	94	768	29	169	653			1054
Oct 2016	27	1	32	2	7	26	6056.77	1307	48
Nov 2016	29	0	23	1	0	22	6056.78	1307	37
Dec 2016	22	0	18	1	0	23	6056.31	1302	37
Jan 2017	19	0	16	1	0	23	6055.67	1294	35
Feb 2017	23	0	21	1	0	21	6055.58	1293	31
Mar 2017	60	1	54	2	5	23	6057.57	1317	39
Apr 2017	122	13	93	2	20	22	6061.37	1365	63
May 2017	270	38	209	4	34	105	6066.35	1431	249
Jun 2017	196	33	162	4	50	230	6056.89	1309	367
Jul 2017	48	7	56	4	55	30	6054.21	1276	85
Aug 2017	34	1	52	3	46	36	6051.43	1242	69
Sep 2017	35	1	49	3	26	30	6050.69	1234	56
WY 2017	885	95	785	27	243	591			1116
Oct 2017	41	2	42	2	9	24	6051.36	1242	48
Nov 2017	31	1	24	1	0	22	6051.44	1243	39
Dec 2017	25	0	21	1	0	23	6051.17	1239	38
Jan 2018	22	0	18	1	0	23	6050.73	1234	37
Feb 2018	30	0	27	1	0	21	6051.19	1240	33
Mar 2018	92	2	84	2	5	23	6055.65	1293	45
Apr 2018	170	15	134	2	21	22	6062.70	1382	75
May 2018	277	40	228	4	35	151	6065.57	1420	297
Jun 2018	224	34	189	4	51	266	6055.23	1288	417
Jul 2018	66	8	71	4	56	37	6053.08	1262	105
Aug 2018	45	2	62	3	47	33	6051.20	1240	72
Sep 2018	43	1	55	3	26	26	6051.19	1240	58
WY 2018	1067	103	955	26	251	672			1265

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 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 2015	535	680	34	600	0	600	3606.44	5044	12375	609
H Nov 2015	421	506	32	577	0	577	3605.47	5036	12280	583
I Dec 2015	266	393	26	857	0	857	3600.80	5000	11827	863
S Jan 2016	300	433	8	857	0	857	3596.58	4968	11427	865
T Feb 2016	396	490	8	700	0	700	3594.41	4952	11224	704
O Mar 2016	553	486	14	694	0	694	3592.18	4935	11019	707
R Apr 2016	814	681	22	665	0	665	3592.12	4935	11014	681
I May 2016	2294	1925	26	700	0	700	3603.87	5024	12123	714
C Jun 2016	2907	2618	46	800	0	800	3620.01	5155	13764	812
A Jul 2016	595	804	58	950	0	950	3618.22	5140	13576	969
L Aug 2016	253	432	56	900	0	900	3613.55	5101	13091	920
* Sep 2016	281	461	50	699	0	699	3610.93	5080	12824	717
WY 2016	9616	9909	378	9000	0	9000				9145
Oct 2016	450	528	35	600	0	600	3609.95	5072	12725	609
Nov 2016	420	448	33	600	0	600	3608.24	5058	12554	604
Dec 2016	330	444	26	800	0	800	3604.66	5030	12200	803
Jan 2017	320	425	8	800	0	800	3600.99	5001	11845	807
Feb 2017	350	430	8	650	0	650	3598.77	4984	11633	654
Mar 2017	550	483	14	650	0	650	3596.99	4971	11465	655
Apr 2017	810	654	22	600	0	600	3597.30	4973	11495	609
May 2017	1910	1721	27	650	0	650	3607.31	5051	12461	658
Jun 2017	2560	2334	46	800	0	800	3620.71	5161	13839	807
Jul 2017	820	750	57	1000	0	1000	3618.02	5138	13555	1016
Aug 2017	400	508	56	1050	0	1050	3612.68	5094	13002	1065
Sep 2017	320	425	50	800	0	800	3608.78	5062	12608	813
WY 2017	9240	9150	383	9000	0	9000				9102
Oct 2017	438	484	34	600	0	600	3607.39	5051	12469	609
Nov 2017	439	465	33	600	0	600	3605.81	5039	12313	604
Dec 2017	363	447	26	800	0	800	3602.22	5011	11963	803
Jan 2018	361	438	8	800	0	800	3598.64	4983	11621	807
Feb 2018	393	438	8	650	0	650	3596.47	4967	11417	654
Mar 2018	665	589	14	650	0	650	3595.72	4961	11347	655
Apr 2018	1056	875	22	600	0	600	3598.21	4980	11580	609
May 2018	2343	2152	28	650	0	650	3612.12	5089	12945	658
Jun 2018	2666	2348	48	800	0	800	3625.31	5200	14334	807
Jul 2018	1091	977	60	1000	0	1000	3624.61	5194	14258	1016
Aug 2018	500	591	58	1050	0	1050	3620.15	5156	13779	1065
Sep 2018	408	517	53	800	0	800	3617.19	5131	13468	813
WY 2018	10723	10319	391	9000	0	9000				9102

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	600	118	42	578	9.4	20	577	645	1078.99	9927
H Nov 2015	577	41	42	631	10.6	12	630	641	1078.23	9865
I Dec 2015	857	43	36	619	10.1	9	618	656	1080.91	10087
S Jan 2016	857	89	30	662	10.8	8	661	671	1083.68	10318
T Feb 2016	700	81	28	699	12.2	10	698	673	1084.17	10360
O Mar 2016	694	31	31	1008	16.4	18	1007	653	1080.45	10048
R Apr 2016	665	68	38	1055	17.7	18	1055	630	1076.13	9693
I May 2016	700	50	43	887	14.4	22	885	618	1073.80	9504
C Jun 2016	800	14	51	920	15.5	28	919	606	1071.64	9330
A Jul 2016	950	70	64	831	13.5	30	840	612	1072.75	9419
L Aug 2016	900	107	69	701	11.4	28	700	625	1075.17	9615
* Sep 2016	699	88	57	702	11.8	23	702	625	1075.23	9620
WY 2016	9000	799	531	9293		225	9292			
Oct 2016	600	69	42	516	8.4	20	516	631	1076.28	9705
Nov 2016	600	56	42	701	11.8	11	701	625	1075.16	9614
Dec 2016	800	54	36	492	8.0	6	492	644	1078.83	9915
Jan 2017	800	62	30	709	11.5	8	709	651	1080.14	10022
Feb 2017	650	73	27	722	13.0	7	722	649	1079.76	9991
Mar 2017	650	55	30	1037	16.9	15	1037	626	1075.44	9637
Apr 2017	600	53	37	1112	18.7	21	1112	595	1069.40	9152
May 2017	650	37	42	1004	16.3	29	1004	571	1064.75	8788
Jun 2017	800	21	49	899	15.1	29	899	562	1062.85	8641
Jul 2017	1000	78	62	854	13.9	31	854	570	1064.45	8764
Aug 2017	1050	124	66	773	12.6	29	773	588	1068.13	9052
Sep 2017	800	112	55	743	12.5	16	743	594	1069.30	9144
WY 2017	9000	795	518	9562		221	9562			
Oct 2017	600	69	41	445	7.2	20	445	604	1071.23	9297
Nov 2017	600	56	41	586	9.8	11	586	605	1071.45	9315
Dec 2017	800	54	35	534	8.7	7	534	622	1074.69	9576
Jan 2018	800	62	29	691	11.2	15	691	630	1076.16	9695
Feb 2018	650	73	27	662	11.9	17	662	631	1076.34	9710
Mar 2018	650	55	30	1006	16.4	23	1006	610	1072.23	9378
Apr 2018	600	53	36	1055	17.7	26	1055	581	1066.73	8942
May 2018	650	37	41	959	15.6	32	959	560	1062.55	8618
Jun 2018	800	21	49	917	15.4	32	917	549	1060.37	8451
Jul 2018	1000	78	61	831	13.5	32	831	559	1062.26	8596
Aug 2018	1050	124	66	741	12.0	29	741	579	1066.38	8914
Sep 2018	800	112	55	696	11.7	26	696	588	1067.99	9041
WY 2018	9000	795	511	9123		271	9123			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 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)
* Oct 2015	578	-7	15	655	0	655	10.7	635.80	1507
H Nov 2015	631	-14	10	599	0	599	10.1	636.11	1514
I Dec 2015	619	-13	9	527	0	527	8.6	638.77	1585
S Jan 2016	662	-32	10	553	0	553	9.0	641.26	1651
T Feb 2016	699	-20	10	675	0	675	11.7	641.04	1645
O Mar 2016	1008	-16	13	921	0	921	15.0	643.17	1703
R Apr 2016	1055	-18	17	979	0	979	16.4	644.70	1746
I May 2016	887	-6	22	903	0	903	14.7	643.07	1701
C Jun 2016	920	-16	26	838	0	838	14.1	644.53	1741
A Jul 2016	831	-24	26	803	0	803	13.1	643.75	1719
L Aug 2016	701	-12	23	714	0	714	11.6	642.00	1671
* Sep 2016	702	-18	18	711	0	711	11.9	640.34	1627
WY 2016	9293	-195	198	8879	0	8879			
Oct 2016	516	-1	15	640	0	640	10.4	635.00	1486
Nov 2016	701	-8	11	551	0	551	9.3	640.01	1617
Dec 2016	492	-12	9	470	0	470	7.7	640.01	1617
Jan 2017	709	-14	10	637	0	637	10.4	641.80	1666
Feb 2017	722	-14	10	699	0	699	12.6	641.80	1666
Mar 2017	1037	-16	13	974	0	974	15.8	643.05	1700
Apr 2017	1112	-19	17	1078	0	1078	18.1	643.00	1699
May 2017	1004	-13	22	969	0	969	15.8	643.00	1699
Jun 2017	899	-16	25	884	0	884	14.9	642.00	1671
Jul 2017	854	-13	25	829	0	829	13.5	641.50	1658
Aug 2017	773	-11	23	739	0	739	12.0	641.50	1658
Sep 2017	743	-9	18	756	0	756	12.7	640.01	1617
WY 2017	9562	-146	197	9227	0	9227			
Oct 2017	445	-1	15	612	0	612	10.0	633.00	1434
Nov 2017	586	-8	10	517	0	517	8.7	635.00	1486
Dec 2017	534	-12	9	416	0	416	6.8	638.71	1583
Jan 2018	691	-14	10	584	0	584	9.5	641.80	1666
Feb 2018	662	-14	10	639	0	639	11.5	641.80	1666
Mar 2018	1006	-16	13	943	0	943	15.3	643.05	1700
Apr 2018	1055	-19	17	1021	0	1021	17.2	643.00	1699
May 2018	959	-13	22	924	0	924	15.0	643.00	1699
Jun 2018	917	-16	25	903	0	903	15.2	642.00	1671
Jul 2018	831	-13	25	806	0	806	13.1	641.50	1658
Aug 2018	741	-11	23	707	0	707	11.5	641.50	1658
Sep 2018	696	-9	18	709	0	709	11.9	640.01	1617
WY 2018	9123	-146	197	8779	0	8779			

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	655	34	12	458	7.5	101	115	447.88	578	59	1.0
H	Nov 2015	599	11	9	385	6.5	98	120	447.57	572	93	1.6
I	Dec 2015	527	22	7	321	5.2	101	130	446.92	560	105	1.7
S	Jan 2016	553	26	6	324	5.3	97	156	446.60	554	154	2.5
T	Feb 2016	675	9	8	543	9.4	13	117	446.50	552	180	3.1
O	Mar 2016	921	18	9	695	11.3	89	123	447.40	569	221	3.6
R	Apr 2016	979	18	11	689	11.6	93	169	448.89	597	202	3.4
I	May 2016	903	13	13	636	10.3	97	176	448.08	581	97	1.6
C	Jun 2016	838	18	15	633	10.6	95	89	448.81	596	92	1.5
A	Jul 2016	803	20	17	617	10.0	100	74	449.03	600	102	1.7
L	Aug 2016	714	22	17	570	9.3	85	65	448.50	590	99	1.6
*	Sep 2016	711	14	15	490	8.2	89	134	447.97	579	92	1.5
WY 2016		8879	226	140	6360		1057	1467			1496	
	Oct 2016	640	27	12	455	7.4	81	135	446.80	557	61	1.0
	Nov 2016	551	22	8	361	6.1	82	124	446.30	548	97	1.6
	Dec 2016	470	19	6	274	4.5	83	118	446.50	552	106	1.7
	Jan 2017	637	13	6	388	6.3	98	154	446.50	552	154	2.5
	Feb 2017	699	12	8	484	8.7	67	143	446.50	552	180	3.2
	Mar 2017	974	4	9	723	11.8	86	150	446.70	555	206	3.4
	Apr 2017	1078	19	11	760	12.8	96	183	448.70	593	192	3.2
	May 2017	969	16	13	673	10.9	98	189	448.70	593	97	1.6
	Jun 2017	884	14	16	686	11.5	96	87	448.70	593	98	1.6
	Jul 2017	829	29	17	653	10.6	98	90	448.00	580	99	1.6
	Aug 2017	739	26	17	556	9.0	98	91	447.50	571	99	1.6
	Sep 2017	756	23	15	506	8.5	96	153	447.50	570	89	1.5
WY 2017		9227	224	139	6519		1076	1616			1477	
	Oct 2017	612	27	12	466	7.6	46	108	447.50	571	68	1.1
	Nov 2017	517	22	9	370	6.2	46	108	447.50	571	103	1.7
	Dec 2017	416	19	7	288	4.7	46	108	446.50	552	115	1.9
	Jan 2018	584	13	6	380	6.2	101	106	446.50	552	150	2.4
	Feb 2018	639	12	8	477	8.6	58	99	446.50	552	175	3.1
	Mar 2018	943	4	9	719	11.7	84	124	446.70	555	199	3.2
	Apr 2018	1021	19	11	758	12.7	98	124	448.70	593	185	3.1
	May 2018	924	16	13	677	11.0	101	137	448.70	593	93	1.5
	Jun 2018	903	14	16	690	11.6	98	99	448.70	593	94	1.6
	Jul 2018	806	29	17	655	10.7	101	62	448.00	580	95	1.5
	Aug 2018	707	26	17	555	9.0	101	56	447.50	571	96	1.6
	Sep 2018	709	23	15	498	8.4	98	112	447.50	570	86	1.5
WY 2018		8779	224	139	6534		976	1246			1460	

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	578	9.4	1078.99	9927	73	435.13	1088.0	221.8	70	383.6
H Nov 2015	631	10.6	1078.23	9865	-63	433.49	1088.0	244.8	70	387.9
I Dec 2015	619	10.1	1080.91	10087	222	434.77	1069.0	241.9	68	390.9
S Jan 2016	662	10.8	1083.68	10318	232	438.04	775.0	258.5	49	390.7
T Feb 2016	699	12.2	1084.17	10360	41	437.39	880.0	277.0	55	396.1
O Mar 2016	1008	16.4	1080.45	10048	-311	434.20	973.0	402.7	61	399.7
R Apr 2016	1055	17.7	1076.13	9693	-355	429.37	1244.0	413.9	80	392.2
I May 2016	887	14.4	1073.80	9504	-189	426.83	1164.0	343.6	74	387.5
C Jun 2016	920	15.5	1071.64	9330	-174	425.27	1528.0	349.7	100	380.2
A Jul 2016	831	13.5	1072.75	9419	89	427.46	1528.0	311.5	100	374.8
L Aug 2016	701	11.4	1075.17	9615	196	431.00	1549.0	265.2	100	378.4
* Sep 2016	702	11.8	1075.23	9620	5	429.97	1539.0	266.3	100	379.1
WY 2016	9293							3596.9		
Oct 2016	516	8.4	1076.28	9705	86	427.20	1335.0	198.2	87	384.4
Nov 2016	701	11.8	1075.16	9614	-92	429.13	1078.0	272.0	69	388.1
Dec 2016	492	8.0	1078.83	9915	301	426.80	1375.0	187.8	88	382.1
Jan 2017	709	11.5	1080.14	10022	108	429.34	1284.0	272.8	82	384.6
Feb 2017	722	13.0	1079.76	9991	-32	429.66	1216.0	282.8	77	391.4
Mar 2017	1037	16.9	1075.44	9637	-354	426.61	1242.0	401.3	80	387.1
Apr 2017	1112	18.7	1069.40	9152	-485	421.01	1224.0	430.6	81	387.1
May 2017	1004	16.3	1064.75	8788	-364	415.83	1188.0	376.8	80	375.3
Jun 2017	899	15.1	1062.85	8641	-147	410.81	1474.0	331.4	100	368.8
Jul 2017	854	13.9	1064.45	8764	124	411.15	1483.0	318.8	100	373.5
Aug 2017	773	12.6	1068.13	9052	287	413.92	1504.0	287.9	100	372.3
Sep 2017	743	12.5	1069.30	9144	92	416.80	1511.0	278.3	100	374.6
WY 2017	9562							3638.9		
Oct 2017	445	7.2	1071.23	9297	154	422.51	1227.0	166.8	81	375.0
Nov 2017	586	9.8	1071.45	9315	18	426.59	1124.0	223.6	74	381.7
Dec 2017	534	8.7	1074.69	9576	261	426.97	1063.0	200.9	69	376.3
Jan 2018	691	11.2	1076.16	9695	119	427.07	1071.0	265.3	69	383.9
Feb 2018	662	11.9	1076.34	9710	15	427.56	974.0	257.8	63	389.2
Mar 2018	1006	16.4	1072.23	9378	-332	423.32	1221.6	384.5	80	382.3
Apr 2018	1055	17.7	1066.73	8942	-436	418.10	1205.8	402.7	81	381.6
May 2018	959	15.6	1062.55	8618	-324	413.41	1172.7	361.2	80	376.6
Jun 2018	917	15.4	1060.37	8451	-166	408.49	1453.5	337.1	100	367.5
Jul 2018	831	13.5	1062.26	8596	144	408.83	1464.2	307.6	100	370.3
Aug 2018	741	12.0	1066.38	8914	318	411.97	1487.5	273.1	100	368.7
Sep 2018	696	11.7	1067.99	9041	127	415.29	1496.7	257.8	100	370.4
WY 2018	9123							3438.4		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 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 2015	655	10.7	635.80	1507	-99	136.05	211.7	81.6	83	124.5
H Nov 2015	599	10.1	636.11	1514	8	136.53	165.8	72.5	65	121.0
I Dec 2015	527	8.6	638.77	1585	70	135.98	155.6	65.1	61	123.6
S Jan 2016	553	9.0	641.26	1651	67	141.86	163.2	71.9	64	129.9
T Feb 2016	675	11.7	641.04	1645	-6	178.5	178.5	86.3	70	127.8
O Mar 2016	921	15.0	643.17	1703	58	139.07	214.2	117.9	84	128.0
R Apr 2016	979	16.4	644.70	1746	42	143.66	255.0	125.4	100	128.2
I May 2016	903	14.7	643.07	1701	-45	141.63	252.5	115.5	99	127.8
C Jun 2016	838	14.1	644.53	1741	40	143.17	255.0	107.4	100	128.1
A Jul 2016	803	13.1	643.75	1719	-22	144.39	252.5	103.3	99	128.6
L Aug 2016	714	11.6	642.00	1671	-48	142.46	255.0	91.6	100	128.4
* Sep 2016	711	11.9	640.34	1627	-45	138.91	255.0	90.5	100	127.3
WY 2016	8879							1129.0		
Oct 2016	640	10.4	635.00	1486	-141	132.15	196.4	78.1	77	122.0
Nov 2016	551	9.3	640.01	1617	132	132.83	170.9	67.4	67	122.3
Dec 2016	470	7.7	640.01	1617	0	135.53	168.3	58.9	66	125.2
Jan 2017	637	10.4	641.80	1666	48	135.07	211.7	79.6	83	125.0
Feb 2017	699	12.6	641.80	1666	0	136.69	188.7	87.4	74	125.0
Mar 2017	974	15.8	643.05	1700	34	137.24	191.3	121.3	75	124.5
Apr 2017	1078	18.1	643.00	1699	-2	136.07	255.0	134.1	100	124.4
May 2017	969	15.8	643.00	1699	0	136.04	255.0	121.1	100	125.0
Jun 2017	884	14.9	642.00	1671	-27	135.51	255.0	110.4	100	124.9
Jul 2017	829	13.5	641.50	1658	-14	134.73	255.0	103.3	100	124.6
Aug 2017	739	12.0	641.50	1658	0	134.46	255.0	92.4	100	124.9
Sep 2017	756	12.7	640.01	1617	-40	133.68	255.0	93.8	100	124.0
WY 2017	9227							1147.7		
Oct 2017	612	10.0	633.00	1434	-183	130.77	201.5	74.1	79	121.2
Nov 2017	517	8.7	635.00	1486	51	129.16	170.9	61.7	67	119.4
Dec 2017	416	6.8	638.71	1583	97	132.23	168.3	51.0	66	122.7
Jan 2018	584	9.5	641.80	1666	83	134.39	211.7	72.9	83	124.7
Feb 2018	639	11.5	641.80	1666	0	136.69	188.7	80.1	74	125.4
Mar 2018	943	15.3	643.05	1700	34	137.24	191.3	117.5	75	124.7
Apr 2018	1021	17.2	643.00	1699	-2	136.07	255.0	127.3	100	124.6
May 2018	924	15.0	643.00	1699	0	136.04	255.0	115.7	100	125.3
Jun 2018	903	15.2	642.00	1671	-27	135.51	255.0	112.7	100	124.8
Jul 2018	806	13.1	641.50	1658	-14	134.73	255.0	100.5	100	124.8
Aug 2018	707	11.5	641.50	1658	0	134.46	255.0	88.4	100	125.1
Sep 2018	709	11.9	640.01	1617	-40	133.68	255.0	88.1	100	124.3
WY 2018	8779							1089.9		

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 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 2015	458	7.5	447.88	578	-3	81.97	91.2	32.3	76	70.6
H	Nov 2015	385	6.5	447.57	572	-6	83.21	96.0	27.1	80	70.3
I	Dec 2015	321	5.2	446.92	560	-12	82.51	120.0	21.9	100	68.4
S	Jan 2016	324	5.3	446.60	554	-6	80.76	94.8	22.3	79	68.8
T	Feb 2016	528	9.4	446.50	552	-2	78.54	87.6	38.1	73	72.2
O	Mar 2016	695	11.3	447.40	569	17	81.63	104.4	48.9	87	70.3
R	Apr 2016	689	11.6	448.89	597	28	83.09	120.0	48.4	100	70.3
I	May 2016	636	10.3	448.08	581	-15	82.13	120.0	45.1	100	70.9
C	Jun 2016	633	10.6	448.81	596	14	83.02	120.0	44.8	100	70.8
A	Jul 2016	617	10.0	449.03	600	4	83.16	120.0	43.7	100	70.9
L	Aug 2016	570	9.3	448.50	590	-10	82.60	120.0	40.2	100	70.7
*	Sep 2016	490	8.2	447.97	579	-10	82.24	120.0	34.7	100	70.9
WY 2016		6345						447.6			
	Oct 2016	455	7.4	446.80	557	-22	76.05	92.4	29.9	77	65.7
	Nov 2016	361	6.1	446.30	548	-9	75.37	90.0	23.3	75	64.5
	Dec 2016	274	4.5	446.50	552	4	73.92	117.6	17.0	98	62.2
	Jan 2017	388	6.3	446.50	552	0	75.13	93.6	25.0	78	64.5
	Feb 2017	484	8.7	446.50	552	0	74.71	102.0	31.5	85	65.1
	Mar 2017	723	11.8	446.70	555	4	74.01	120.0	47.0	100	65.0
	Apr 2017	760	12.8	448.70	593	38	75.08	120.0	50.1	100	65.9
	May 2017	673	10.9	448.70	593	0	76.05	120.0	44.7	100	66.4
	Jun 2017	686	11.5	448.70	593	0	76.05	120.0	45.6	100	66.5
	Jul 2017	653	10.6	448.00	580	-13	75.71	120.0	43.2	100	66.1
	Aug 2017	556	9.0	447.50	571	-9	75.13	120.0	36.3	100	65.3
	Sep 2017	506	8.5	447.50	570	0	74.89	120.0	32.8	100	65.0
WY 2017		6519						426.4			
	Oct 2017	466	7.6	447.50	571	0	75.74	100.8	30.5	84	65.4
	Nov 2017	370	6.2	447.50	571	0	75.92	97.2	24.0	81	64.9
	Dec 2017	288	4.7	446.50	552	-19	74.40	120.0	18.1	100	62.6
	Jan 2018	380	6.2	446.50	552	0	74.89	98.4	24.4	82	64.2
	Feb 2018	477	8.6	446.50	552	0	75.07	94.8	31.2	79	65.4
	Mar 2018	719	11.7	446.70	555	4	74.01	120.0	46.7	100	65.0
	Apr 2018	758	12.7	448.70	593	38	75.08	120.0	50.0	100	65.9
	May 2018	677	11.0	448.70	593	0	76.05	120.0	45.0	100	66.4
	Jun 2018	690	11.6	448.70	593	0	76.05	120.0	45.9	100	66.5
	Jul 2018	655	10.7	448.00	580	-13	75.71	120.0	43.3	100	66.1
	Aug 2018	555	9.0	447.50	571	-9	75.13	120.0	36.2	100	65.3
	Sep 2018	498	8.4	447.50	570	0	74.89	120.0	32.3	100	64.9
WY 2018		6534						427.6			

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 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 2015	264	52	26	32	0	4
H Nov 2015	256	52	13	15	0	4
I Dec 2015	378	53	18	16	7	4
S Jan 2016	373	52	17	22	13	3
T Feb 2016	302	45	16	21	12	4
O Mar 2016	298	20	10	11	7	4
Winter 2016	1871	274	100	118	38	23
R Apr 2016	288	19	18	25	16	4
I May 2016	305	20	38	61	21	7
C Jun 2016	360	105	14	18	15	9
A Jul 2016	435	46	34	40	22	6
L Aug 2016	408	44	33	39	22	6
* Sep 2016	315	42	30	36	20	3
Summer 2016	2111	276	166	218	116	34
Oct 2016	241	31	22	26	13	5
Nov 2016	241	28	11	13	7	4
Dec 2016	319	39	19	24	12	4
Jan 2017	317	40	15	19	10	4
Feb 2017	256	36	12	15	8	3
Mar 2017	255	19	10	14	7	4
Winter 2017	1629	193	90	112	57	25
Apr 2017	235	17	15	21	12	4
May 2017	257	38	47	63	23	6
Jun 2017	324	56	20	30	19	7
Jul 2017	410	33	26	32	17	10
Aug 2017	427	33	28	34	17	8
Sep 2017	322	32	25	30	15	7
Summer 2017	1975	210	161	211	103	41
Oct 2017	240	33	16	20	10	6
Nov 2017	239	32	8	10	6	6
Dec 2017	318	33	17	21	11	6
Jan 2018	315	33	15	19	10	5
Feb 2018	255	30	11	15	8	4
Mar 2018	254	33	10	13	7	5
Winter 2018	1621	194	76	98	52	32
Apr 2018	235	32	16	24	14	6
May 2018	259	56	51	71	23	7
Jun 2018	328	51	20	31	21	8
Jul 2018	415	36	25	31	17	10
Aug 2018	433	36	34	40	21	10
Sep 2018	328	35	30	36	18	8
Summer 2018	1669	212	146	197	96	40

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2016 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



Date	Flaming	Blue	Navajo	Lake	Upper Basin	Lake	Total	Total	Flaming	Blue	Tot or Max	Lake	Lake	BOM Space		Mead	Mead	Sys	
	Gorge	Mesa	KAF	Powell	Total	Mead			KAF	KAF	Gorge	Mesa	Allow	Powell	Mead	Total	Required	Sched Rel	FC Rel
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Oct 2016	657	164	386	11498	12705	17757	30462	30462	657	164	386	1207	11498	17757	30462	3040	516	0	30.0
Nov 2016	699	205	389	11597	12890	17672	30562	30562	699	205	389	1293	11597	17672	30562	3810	701	0	29.8
Dec 2016	730	212	389	11768	13099	17763	30862	30862	730	212	389	1331	11768	17763	30862	4580	492	0	29.7
Jan 2017	803	252	394	12122	13571	17462	31034	31034	803	252	394	1449	12122	17462	31034	5350	709	0	29.3
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2017	803	252	394	12122	13571	17462	31034	31034	357	139	157	653	12122	17462	30237	5350	709	0	29.4
Feb 2017	874	281	402	12477	14034	17355	31389	31389	427	169	164	760	12477	17355	30592	1500	722	0	29.0
Mar 2017	934	302	403	12689	14328	17386	31714	31714	486	192	164	842	12689	17386	30917	1500	1037	0	28.6
Apr 2017	898	305	379	12857	14438	17740	32178	32178	444	197	133	774	12857	17740	31371	1500	1112	0	28.3
May 2017	828	295	331	12827	14282	18225	32507	32507	367	185	62	614	12827	18225	31667	1500	1004	0	29.1
Jun 2017	757	294	265	11861	13178	18589	31767	31767	286	170	-41	414	11861	18589	30864	1500	899	0	30.5
Jul 2017	598	147	387	10483	11616	18736	30352	30352	114	-1	26	139	10483	18736	29358	1500	854	0	30.3
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2017	502	144	420	10767	11833	18613	30446	30446	502	144	420	1066	10767	18613	30446	1500	773	0	30.0
Sep 2017	531	177	454	11320	12481	18325	30807	30807	531	177	454	1161	11320	18325	30807	2270	743	0	29.5
Oct 2017	580	213	462	11714	12970	18233	31203	31203	580	213	462	1256	11714	18233	31203	3040	445	0	29.3
Nov 2017	623	228	454	11853	13159	18080	31238	31238	623	228	454	1306	11853	18080	31238	3810	586	0	29.2
Dec 2017	665	223	453	12009	13350	18062	31412	31412	665	223	453	1341	12009	18062	31412	4580	534	0	29.1
Jan 2018	722	252	457	12359	13791	17801	31592	31592	722	252	457	1431	12359	17801	31592	5350	691	0	28.8
**** EFFECTIVE SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2018	722	252	457	12359	13791	17801	31592	31592	423	252	208	884	12359	17801	31044	5350	691	0	28.8
Feb 2018	775	277	462	12701	14214	17682	31896	31896	473	277	213	963	12701	17682	31346	1500	662	0	28.6
Mar 2018	814	291	456	12905	14467	17667	32134	32134	510	291	207	1008	12905	17667	31581	1500	1006	0	28.3
Apr 2018	807	287	403	12975	14472	17999	32471	32471	499	287	146	932	12975	17999	31906	1500	1055	0	28.3
May 2018	768	269	314	12742	14092	18435	32527	32527	453	269	34	756	12742	18435	31933	1500	959	0	29.5
Jun 2018	687	229	276	11377	12568	18759	31327	31327	362	229	-43	548	11377	18759	30684	1500	917	0	31.0
Jul 2018	454	54	408	9988	10904	18926	29829	29829	112	37	34	182	9988	18926	29096	1500	831	0	31.1
**** CREDITABLE SPACE ****								**** CREDITABLE SPACE ****											
Aug 2018	360	17	434	10064	10876	18781	29657	29657	360	17	434	812	10064	18781	29657	1500	741	0	30.9
Sep 2018	385	53	456	10543	11438	18463	29901	29901	385	53	456	895	10543	18463	29901	2270	696	0	30.5

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