

To: All Annual Operating Plan Recipients

From: Lower Colorado Region  
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In addition to the April 2015 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. There are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:  
<http://www.usbr.gov/lc/region/g4000/24mo/2015/April-Chart.pdf>.

The water year 2015 unregulated inflow into Lake Powell under the April Probable Minimum inflow scenario is 5.92 maf, or 55 percent of average. Consistent with the Interim Guidelines, the Probable Minimum 24-Month Study results in a projected annual release volume from Glen Canyon Dam of 8.93 maf in water year 2015 and 7.48 maf in water year 2016.

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

The April 2015 Most Probable 24-Month Study is available for download at <http://www.usbr.gov/lc/region/g4000/24mo/2015/APR15.pdf>.

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	101	1	83	1	84	6474.33	138
H	May 2014	272	1	96	126	222	6483.58	186
I	Jun 2014	427	2	104	254	364	6492.90	247
S	Jul 2014	220	3	90	1	117	6506.25	347
T	Aug 2014	98	2	100	1	108	6504.71	335
O	Sep 2014	69	2	21	66	87	6502.07	314
<b>WY 2014</b>		<b>1424</b>	<b>15</b>	<b>811</b>	<b>478</b>	<b>1328</b>		
R	Oct 2014	85	1	80	10	90	6501.37	309
I	Nov 2014	53	1	69	1	69	6499.16	292
C	Dec 2014	51	1	77	0	77	6495.49	265
A	Jan 2015	46	1	77	0	77	6490.98	234
L	Feb 2015	46	1	69	1	69	6487.37	210
*	Mar 2015	70	1	78	0	78	6486.00	201
	Apr 2015	61	1	99	3	101	6478.84	161
	May 2015	94	1	61	0	61	6484.35	192
	Jun 2015	161	2	60	0	60	6499.01	291
	Jul 2015	74	3	58	0	58	6500.72	304
	Aug 2015	40	2	58	0	58	6497.98	284
	Sep 2015	29	2	38	18	57	6493.88	255
<b>WY 2015</b>		<b>811</b>	<b>16</b>	<b>824</b>	<b>31</b>	<b>855</b>		
	Oct 2015	36	1	58	0	58	6490.42	231
	Nov 2015	38	1	57	0	57	6487.49	212
	Dec 2015	30	1	58	0	58	6482.87	183
	Jan 2016	28	1	58	0	58	6477.24	153
	Feb 2016	26	0	55	0	55	6471.05	124
	Mar 2016	47	0	58	0	58	6468.35	112
	Apr 2016	65	1	57	0	57	6470.23	120
	May 2016	116	1	61	0	61	6481.26	174
	Jun 2016	180	2	60	0	60	6499.09	292
	Jul 2016	99	3	61	0	61	6503.60	327
	Aug 2016	47	2	61	0	61	6501.37	309
	Sep 2016	33	2	60	0	60	6497.61	281
<b>WY 2016</b>		<b>746</b>	<b>15</b>	<b>705</b>	<b>0</b>	<b>705</b>		
	Oct 2016	36	1	66	0	66	6493.26	250
	Nov 2016	39	1	64	0	64	6489.41	225
	Dec 2016	32	1	66	0	66	6483.97	190
	Jan 2017	30	1	66	0	66	6477.33	153
	Feb 2017	28	0	60	0	60	6470.25	120
	Mar 2017	53	0	66	0	66	6466.79	106

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	128	111	5	50	0	50	120	6019.75	2971	306
H	May 2014	333	283	8	53	0	53	128	6025.67	3185	594
I	Jun 2014	472	409	10	208	85	293	132	6028.39	3287	775
S	Jul 2014	226	123	13	105	0	105	132	6028.51	3292	208
T	Aug 2014	126	136	13	122	0	122	132	6028.53	3293	190
O	Sep 2014	99	118	11	116	0	116	132	6028.31	3284	170
<b>WY 2014</b>		<b>1689</b>	<b>1594</b>	<b>77</b>	<b>945</b>	<b>86</b>	<b>1032</b>				<b>2799</b>
R	Oct 2014	108	112	7	92	0	92	133	6028.64	3297	159
I	Nov 2014	65	81	4	77	0	77	133	6028.63	3296	134
C	Dec 2014	53	79	2	113	0	113	131	6027.71	3262	164
A	Jan 2015	67	98	2	124	0	124	130	6026.99	3234	178
L	Feb 2015	63	86	2	113	0	113	129	6026.25	3207	168
*	Mar 2015	77	85	3	124	0	124	127	6025.15	3166	219
	Apr 2015	81	122	5	68	0	68	129	6026.41	3213	181
	May 2015	108	76	8	150	0	150	126	6024.29	3134	372
	Jun 2015	169	67	10	135	0	135	123	6022.25	3060	286
	Jul 2015	81	66	13	49	0	49	123	6022.35	3063	77
	Aug 2015	42	61	12	49	0	49	123	6022.33	3063	60
	Sep 2015	31	59	11	48	0	48	123	6022.35	3063	58
<b>WY 2015</b>		<b>945</b>	<b>990</b>	<b>78</b>	<b>1142</b>	<b>0</b>	<b>1142</b>				<b>2058</b>
	Oct 2015	39	61	7	49	0	49	124	6022.48	3068	72
	Nov 2015	41	60	3	48	0	48	124	6022.72	3077	76
	Dec 2015	28	56	2	49	0	49	124	6022.85	3082	74
	Jan 2016	35	65	2	49	0	49	125	6023.22	3095	74
	Feb 2016	39	67	2	46	0	46	125	6023.72	3113	69
	Mar 2016	86	97	3	49	0	49	127	6024.90	3156	116
	Apr 2016	97	88	5	71	0	71	128	6025.22	3168	236
	May 2016	163	108	8	134	0	134	126	6024.36	3137	536
	Jun 2016	217	96	10	65	0	65	127	6024.91	3157	333
	Jul 2016	106	69	13	68	0	68	127	6024.60	3146	100
	Aug 2016	47	62	12	68	0	68	126	6024.13	3128	81
	Sep 2016	33	59	11	65	0	65	125	6023.68	3112	73
<b>WY 2016</b>		<b>930</b>	<b>889</b>	<b>77</b>	<b>761</b>	<b>0</b>	<b>761</b>				<b>1840</b>
	Oct 2016	42	72	7	68	0	68	125	6023.61	3109	91
	Nov 2016	48	73	3	65	0	65	125	6023.72	3113	94
	Dec 2016	35	69	2	68	0	68	125	6023.72	3113	93
	Jan 2017	40	76	2	68	0	68	126	6023.91	3120	93
	Feb 2017	45	77	2	61	0	61	126	6024.26	3133	89
	Mar 2017	102	116	3	68	0	68	128	6025.45	3177	144

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	12	13	9310.23	70
H	May 2014	31	27	9312.59	74
I	Jun 2014	49	28	9324.29	95
S	Jul 2014	19	25	9320.83	88
T	Aug 2014	12	19	9316.50	81
O	Sep 2014	10	14	9314.21	77
<b>WY 2014</b>		<b>161</b>	<b>154</b>		
R	Oct 2014	10	8	9315.40	79
I	Nov 2014	7	6	9315.85	80
C	Dec 2014	6	6	9315.74	79
A	Jan 2015	6	6	9315.48	79
L	Feb 2015	4	5	9314.94	78
*	Mar 2015	7	6	9315.31	79
	Apr 2015	8	6	9316.73	81
	May 2015	23	12	9322.70	92
	Jun 2015	19	18	9323.46	93
	Jul 2015	9	18	9318.74	85
	Aug 2015	6	18	9311.79	73
	Sep 2015	5	12	9307.59	66
<b>WY 2015</b>		<b>110</b>	<b>121</b>		
	Oct 2015	6	6	9307.40	66
	Nov 2015	5	6	9306.45	64
	Dec 2015	4	6	9305.14	62
	Jan 2016	4	6	9303.83	61
	Feb 2016	4	6	9302.17	58
	Mar 2016	4	6	9300.83	56
	Apr 2016	8	6	9302.05	58
	May 2016	23	8	9312.10	73
	Jun 2016	31	18	9319.39	86
	Jul 2016	11	18	9315.29	79
	Aug 2016	7	16	9309.95	70
	Sep 2016	6	12	9306.15	64
<b>WY 2016</b>		<b>112</b>	<b>114</b>		
	Oct 2016	6	8	9304.81	62
	Nov 2016	5	6	9304.14	61
	Dec 2016	5	6	9303.23	60
	Jan 2017	4	6	9302.07	58
	Feb 2017	4	6	9300.48	56
	Mar 2017	4	6	9299.33	54

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

### Minimum 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)
*	Apr 2014	129	130	1	28	0	28	7480.43	509
H	May 2014	242	240	1	69	3	72	7501.73	676
I	Jun 2014	361	338	1	185	142	353	7499.76	659
S	Jul 2014	117	123	1	118	0	118	7500.15	663
T	Aug 2014	64	72	1	104	0	104	7496.00	629
O	Sep 2014	48	52	1	81	0	81	7492.28	599
<b>WY 2014</b>		<b>1145</b>	<b>1138</b>	<b>8</b>	<b>708</b>	<b>145</b>	<b>879</b>		
R	Oct 2014	55	53	1	64	0	64	7490.77	587
I	Nov 2014	37	36	0	27	0	27	7491.85	596
C	Dec 2014	34	34	0	55	0	55	7489.11	574
A	Jan 2015	30	30	0	58	0	58	7485.48	547
L	Feb 2015	28	29	0	29	0	29	7485.47	547
*	Mar 2015	54	53	0	26	0	26	7488.96	573
	Apr 2015	72	70	1	46	0	46	7491.91	596
	May 2015	144	134	1	67	0	67	7500.05	662
	Jun 2015	120	119	1	64	0	64	7506.44	715
	Jul 2015	48	57	1	94	0	94	7501.85	677
	Aug 2015	35	47	1	95	0	95	7495.85	628
	Sep 2015	27	33	1	84	0	84	7489.29	576
<b>WY 2015</b>		<b>683</b>	<b>694</b>	<b>9</b>	<b>708</b>	<b>0</b>	<b>708</b>		
	Oct 2015	32	32	1	43	0	43	7487.86	565
	Nov 2015	29	31	0	14	0	14	7489.99	581
	Dec 2015	25	27	0	27	0	27	7490.00	581
	Jan 2016	24	26	0	25	0	25	7490.16	583
	Feb 2016	22	24	0	23	0	23	7490.31	584
	Mar 2016	34	36	0	27	0	27	7491.41	592
	Apr 2016	63	62	1	41	0	41	7493.94	612
	May 2016	156	140	1	97	0	97	7499.17	655
	Jun 2016	177	165	1	61	0	61	7511.24	757
	Jul 2016	62	69	2	94	0	94	7508.26	731
	Aug 2016	45	54	1	94	0	94	7503.39	689
	Sep 2016	29	35	1	84	0	84	7497.32	639
<b>WY 2016</b>		<b>699</b>	<b>701</b>	<b>9</b>	<b>629</b>	<b>0</b>	<b>629</b>		
	Oct 2016	32	34	1	46	0	46	7495.82	627
	Nov 2016	30	31	0	17	0	17	7497.50	641
	Dec 2016	26	27	0	86	0	86	7490.00	581
	Jan 2017	24	26	0	73	0	73	7483.81	534
	Feb 2017	22	25	0	38	0	38	7481.98	521
	Mar 2017	36	38	0	25	0	25	7483.62	533

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	143	28	13	41	42	0	42	7146.13	106
H	May 2014	268	72	26	98	93	0	93	7152.55	111
I	Jun 2014	379	353	18	372	295	63	382	7138.91	101
S	Jul 2014	120	118	3	122	82	8	110	7153.91	112
T	Aug 2014	64	104	1	105	104	0	104	7154.40	113
O	Sep 2014	49	81	1	82	82	0	82	7153.75	112
<b>WY 2014</b>		<b>1215</b>	<b>879</b>	<b>70</b>	<b>949</b>	<b>782</b>	<b>73</b>	<b>949</b>		
R	Oct 2014	56	64	1	65	49	0	68	7149.96	109
I	Nov 2014	38	27	2	29	23	0	26	7154.03	112
C	Dec 2014	35	55	1	56	56	0	56	7153.68	112
A	Jan 2015	30	58	1	58	60	0	60	7152.01	111
L	Feb 2015	29	29	1	30	31	0	31	7151.25	110
*	Mar 2015	56	26	3	29	28	0	28	7151.69	110
	Apr 2015	82	46	10	56	54	0	54	7153.73	112
	May 2015	163	67	19	86	86	0	86	7153.73	112
	Jun 2015	129	64	9	73	73	0	73	7153.73	112
	Jul 2015	51	94	3	97	97	0	97	7153.73	112
	Aug 2015	37	95	2	97	97	0	97	7153.73	112
	Sep 2015	29	84	2	86	86	0	86	7153.73	112
<b>WY 2015</b>		<b>735</b>	<b>708</b>	<b>53</b>	<b>761</b>	<b>739</b>	<b>0</b>	<b>761</b>		
	Oct 2015	35	43	3	46	46	0	46	7153.73	112
	Nov 2015	31	14	2	16	16	0	16	7153.73	112
	Dec 2015	27	27	2	28	28	0	28	7153.73	112
	Jan 2016	26	25	2	27	27	0	27	7153.73	112
	Feb 2016	24	23	2	25	25	0	25	7153.73	112
	Mar 2016	38	27	4	31	31	0	31	7153.73	112
	Apr 2016	72	41	9	50	50	0	50	7153.73	112
	May 2016	171	97	16	113	113	0	113	7153.73	112
	Jun 2016	187	61	10	71	71	0	71	7153.73	112
	Jul 2016	64	94	2	96	96	0	96	7153.73	112
	Aug 2016	47	94	2	96	96	0	96	7153.73	112
	Sep 2016	31	84	2	86	86	0	86	7153.73	112
<b>WY 2016</b>		<b>755</b>	<b>629</b>	<b>55</b>	<b>685</b>	<b>685</b>	<b>0</b>	<b>685</b>		
	Oct 2016	35	46	3	49	49	0	49	7153.73	112
	Nov 2016	32	17	2	19	19	0	19	7153.73	112
	Dec 2016	28	86	2	88	88	0	88	7153.73	112
	Jan 2017	27	73	2	75	75	0	75	7153.73	112
	Feb 2017	25	38	3	41	41	0	41	7153.73	112
	Mar 2017	40	25	4	29	29	0	29	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum Probable Inflow\*

### Crystal Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Morrow Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Tunnel Flow (1000 Ac-Ft)	Below Tunnel Flow (1000 Ac-Ft)
*	Apr 2014	154	42	11	53	53	0	53	6743.26	14	28	26
H	May 2014	297	93	29	122	88	22	118	6758.88	19	52	69
I	Jun 2014	414	382	35	417	108	126	419	6751.56	17	61	378
S	Jul 2014	130	110	10	120	119	2	120	6749.06	16	67	59
T	Aug 2014	69	104	4	109	108	0	108	6749.65	16	65	48
O	Sep 2014	53	82	4	86	84	3	87	6747.57	15	62	26
<b>WY 2014</b>		<b>1337</b>	<b>949</b>	<b>123</b>	<b>1071</b>	<b>690</b>	<b>187</b>	<b>1071</b>			<b>374</b>	<b>738</b>
R	Oct 2014	61	68	5	73	74	0	74	6745.88	15	48	27
I	Nov 2014	43	26	5	30	29	0	30	6748.06	16	0	29
C	Dec 2014	39	56	5	61	61	0	61	6746.42	15	1	62
A	Jan 2015	35	60	5	64	55	9	64	6746.05	15	1	65
L	Feb 2015	34	31	4	35	11	22	33	6751.96	17	0	34
*	Mar 2015	63	28	6	35	35	0	35	6752.00	17	1	34
	Apr 2015	94	54	13	67	66	0	66	6753.04	17	30	36
	May 2015	188	86	25	111	111	0	111	6753.04	17	55	56
	Jun 2015	146	73	17	90	90	0	90	6753.04	17	60	30
	Jul 2015	56	97	5	102	102	0	102	6753.04	17	65	37
	Aug 2015	42	97	5	102	102	0	102	6753.04	17	65	37
	Sep 2015	33	86	5	91	91	0	91	6753.04	17	55	36
<b>WY 2015</b>		<b>835</b>	<b>761</b>	<b>99</b>	<b>860</b>	<b>827</b>	<b>32</b>	<b>859</b>			<b>381</b>	<b>483</b>
	Oct 2015	40	46	6	51	51	0	51	6753.04	17	30	21
	Nov 2015	35	16	4	20	20	0	20	6753.04	17	0	20
	Dec 2015	31	28	4	33	33	0	33	6753.04	17	0	33
	Jan 2016	30	27	4	30	30	0	30	6753.04	17	0	30
	Feb 2016	28	25	4	29	29	0	29	6753.04	17	0	29
	Mar 2016	43	31	6	36	36	0	36	6753.04	17	5	31
	Apr 2016	83	50	10	60	60	0	60	6753.04	17	30	30
	May 2016	193	113	21	134	134	0	134	6753.04	17	55	79
	Jun 2016	206	71	19	90	90	0	90	6753.04	17	60	30
	Jul 2016	70	96	6	101	101	0	101	6753.04	17	65	36
	Aug 2016	53	96	6	102	102	0	102	6753.04	17	65	37
	Sep 2016	37	86	5	91	91	0	91	6753.04	17	55	36
<b>WY 2016</b>		<b>848</b>	<b>685</b>	<b>94</b>	<b>778</b>	<b>778</b>	<b>0</b>	<b>778</b>			<b>365</b>	<b>413</b>
	Oct 2016	41	49	6	55	55	0	55	6753.04	17	30	25
	Nov 2016	37	19	5	24	24	0	24	6753.04	17	0	24
	Dec 2016	32	88	5	93	93	0	93	6753.04	17	0	93
	Jan 2017	31	75	5	80	80	0	80	6753.04	17	0	80
	Feb 2017	29	41	4	44	44	0	44	6753.04	17	0	44
	Mar 2017	46	29	6	35	35	0	35	6753.04	17	5	30

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
* Apr 2014	28	16	7657.59	106
H May 2014	59	43	7663.60	122
I Jun 2014	47	50	7662.12	118
S Jul 2014	15	38	7653.12	95
T Aug 2014	14	32	7645.08	75
O Sep 2014	22	28	7642.43	70
<hr/>				
<b>WY 2014</b>	<b>238</b>	<b>229</b>		
R Oct 2014	23	5	7650.16	87
I Nov 2014	10	3	7652.74	94
C Dec 2014	6	4	7653.53	96
A Jan 2015	6	5	7654.18	97
L Feb 2015	7	4	7655.19	100
* Mar 2015	13	12	7655.67	101
Apr 2015	18	9	7659.21	110
May 2015	29	29	7658.96	109
Jun 2015	26	40	7653.18	95
Jul 2015	7	39	7639.10	62
Aug 2015	8	35	7623.87	35
Sep 2015	9	27	7609.16	17
<hr/>				
<b>WY 2015</b>	<b>163</b>	<b>213</b>		
Oct 2015	11	16	7603.47	12
Nov 2015	8	1	7610.42	18
Dec 2015	6	2	7614.89	23
Jan 2016	6	2	7618.21	27
Feb 2016	5	1	7620.84	30
Mar 2016	8	2	7624.85	36
Apr 2016	19	1	7634.43	53
May 2016	62	31	7648.48	83
Jun 2016	49	43	7651.05	89
Jul 2016	18	41	7640.55	65
Aug 2016	15	38	7628.51	42
Sep 2016	15	29	7618.65	27
<hr/>				
<b>WY 2016</b>	<b>220</b>	<b>207</b>		
Oct 2016	11	16	7613.89	22
Nov 2016	8	1	7618.94	28
Dec 2016	6	2	7622.40	32
Jan 2017	5	2	7624.92	36
Feb 2017	5	1	7626.96	40
Mar 2017	9	2	7630.96	46

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	123	14	98	2	21	18	6034.32	1053	64
H	May 2014	176	20	141	3	31	17	6042.68	1142	115
I	Jun 2014	116	19	98	4	39	20	6045.77	1177	148
S	Jul 2014	14	2	35	4	44	29	6042.03	1135	64
T	Aug 2014	14	1	32	3	37	39	6037.72	1088	61
O	Sep 2014	39	1	47	2	22	31	6036.99	1081	61
<b>WY 2014</b>		<b>696</b>	<b>62</b>	<b>626</b>	<b>23</b>	<b>203</b>	<b>253</b>			<b>754</b>
R	Oct 2014	68	1	46	1	7	21	6038.47	1096	65
I	Nov 2014	28	0	21	1	0	21	6038.43	1096	46
C	Dec 2014	19	0	17	1	0	21	6037.94	1091	43
A	Jan 2015	23	0	21	1	0	21	6037.90	1090	39
L	Feb 2015	29	1	25	1	0	19	6038.43	1096	40
*	Mar 2015	90	7	83	1	3	23	6043.43	1150	57
	Apr 2015	95	10	75	2	20	23	6046.16	1181	70
	May 2015	92	10	82	3	33	22	6048.21	1205	91
	Jun 2015	30	4	40	4	49	26	6044.91	1167	89
	Jul 2015	8	0	40	4	53	46	6039.19	1104	67
	Aug 2015	12	0	40	3	44	47	6034.02	1050	64
	Sep 2015	18	0	36	2	25	37	6031.27	1021	56
<b>WY 2015</b>		<b>511</b>	<b>34</b>	<b>525</b>	<b>24</b>	<b>233</b>	<b>328</b>			<b>728</b>
	Oct 2015	27	0	32	1	9	28	6030.61	1015	48
	Nov 2015	25	0	19	1	0	21	6030.37	1012	38
	Dec 2015	22	0	17	1	0	22	6029.90	1008	37
	Jan 2016	21	0	17	1	0	22	6029.41	1003	36
	Feb 2016	27	0	23	1	0	20	6029.64	1005	33
	Mar 2016	80	1	74	1	5	22	6034.12	1051	41
	Apr 2016	120	9	93	2	20	21	6038.92	1101	62
	May 2016	221	25	166	3	34	22	6048.56	1209	145
	Jun 2016	142	19	116	4	49	21	6052.13	1251	136
	Jul 2016	23	2	44	4	53	31	6048.45	1207	71
	Aug 2016	19	0	42	3	44	39	6044.54	1163	65
	Sep 2016	26	0	41	2	24	30	6043.15	1147	56
<b>WY 2016</b>		<b>753</b>	<b>56</b>	<b>684</b>	<b>24</b>	<b>237</b>	<b>297</b>			<b>766</b>
	Oct 2016	28	1	33	2	8	26	6042.90	1144	46
	Nov 2016	28	0	21	1	0	21	6042.84	1144	38
	Dec 2016	25	0	20	1	0	22	6042.67	1142	37
	Jan 2017	22	0	18	1	0	22	6042.31	1138	35
	Feb 2017	30	0	27	1	0	20	6042.91	1145	32
	Mar 2017	92	2	83	1	5	26	6047.43	1196	48

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	964	774	19	502	0	502	3577.56	4832	9732	512
H	May 2014	2082	1632	24	493	0	493	3589.38	4915	10764	498
I	Jun 2014	3039	2676	42	598	0	598	3609.19	5066	12649	609
S	Jul 2014	838	730	53	800	0	800	3608.05	5056	12535	814
T	Aug 2014	517	615	53	801	0	801	3605.82	5039	12314	818
O	Sep 2014	511	622	48	604	0	604	3605.53	5037	12286	619
<b>WY 2014</b>		<b>10381</b>	<b>9287</b>	<b>347</b>	<b>7337</b>	<b>143</b>	<b>7480</b>				<b>7568</b>
R	Oct 2014	716	636	34	598	0	598	3605.57	5037	12290	613
I	Nov 2014	423	420	32	645	132	777	3601.87	5008	11929	780
C	Dec 2014	409	465	25	864	0	864	3597.75	4977	11537	880
A	Jan 2015	348	449	8	862	0	862	3593.57	4945	11147	878
L	Feb 2015	424	464	8	589	0	589	3592.23	4936	11024	595
*	Mar 2015	552	543	14	649	0	649	3591.02	4927	10913	656
	Apr 2015	499	416	21	600	0	600	3588.92	4912	10723	604
	May 2015	853	790	25	700	0	700	3589.59	4916	10783	702
	Jun 2015	901	859	39	800	0	800	3589.79	4918	10802	801
	Jul 2015	347	451	46	1050	0	1050	3583.08	4870	10205	1056
	Aug 2015	219	365	44	800	0	800	3577.92	4835	9762	817
	Sep 2015	229	346	39	645	0	645	3574.19	4810	9450	659
<b>WY 2015</b>		<b>5920</b>	<b>6204</b>	<b>333</b>	<b>8802</b>	<b>132</b>	<b>8934</b>				<b>9040</b>
	Oct 2015	349	380	27	480	0	480	3572.77	4800	9333	488
	Nov 2015	419	405	26	500	0	500	3571.41	4791	9221	505
	Dec 2015	330	352	20	600	0	600	3568.33	4772	8973	607
	Jan 2016	329	344	6	800	0	800	3562.90	4737	8546	808
	Feb 2016	372	373	6	600	0	600	3560.09	4720	8330	610
	Mar 2016	585	488	10	600	0	600	3558.60	4711	8217	606
	Apr 2016	747	629	17	500	0	500	3559.97	4719	8321	505
	May 2016	1625	1395	20	600	0	600	3569.15	4777	9038	602
	Jun 2016	1654	1334	34	600	0	600	3577.02	4829	9687	601
	Jul 2016	404	459	42	800	0	800	3572.77	4800	9332	808
	Aug 2016	256	391	40	800	0	800	3567.62	4767	8916	816
	Sep 2016	287	403	36	600	0	600	3564.88	4750	8700	613
<b>WY 2016</b>		<b>7356</b>	<b>6954</b>	<b>284</b>	<b>7480</b>	<b>0</b>	<b>7480</b>				<b>7568</b>
	Oct 2016	361	407	25	480	0	480	3563.72	4742	8609	489
	Nov 2016	447	445	24	500	0	500	3562.77	4737	8535	506
	Dec 2016	363	452	19	600	0	600	3560.76	4724	8381	606
	Jan 2017	361	437	6	800	0	800	3556.23	4697	8040	809
	Feb 2017	393	415	6	600	0	600	3553.83	4683	7863	605
	Mar 2017	665	560	10	600	0	600	3553.20	4679	7817	606

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
* Apr 2014	502	17	41	1134	19.1	20	1130	731	1094.55	11254
H May 2014	493	13	46	1086	17.7	30	1084	692	1087.46	10639
I Jun 2014	598	10	54	959	16.1	28	958	665	1082.66	10233
S Jul 2014	800	54	67	943	15.3	27	941	654	1080.60	10061
T Aug 2014	801	113	71	735	12.0	23	727	659	1081.55	10140
O Sep 2014	604	140	58	686	11.5	19	684	658	1081.33	10121
<b>WY 2014</b>	<b>7480</b>	<b>677</b>	<b>567</b>	<b>9759</b>		<b>216</b>	<b>9716</b>			
R Oct 2014	598	68	43	472	7.7	21	461	666	1082.79	10244
I Nov 2014	777	44	43	695	11.7	13	692	670	1083.57	10309
C Dec 2014	864	56	37	493	8.0	8	492	693	1087.79	10667
A Jan 2015	862	73	31	832	13.5	6	832	697	1088.51	10729
L Feb 2015	589	89	28	600	10.8	7	599	700	1088.98	10769
* Mar 2015	649	57	31	1034	16.8	14	1025	677	1084.87	10419
Apr 2015	600	33	38	1111	18.7	22	1111	644	1078.82	9914
May 2015	700	19	43	1051	17.1	30	1051	620	1074.16	9533
Jun 2015	800	5	52	911	15.3	30	911	608	1071.96	9356
Jul 2015	1050	50	64	881	14.3	31	881	616	1073.40	9471
Aug 2015	800	134	69	801	13.0	29	801	618	1073.81	9505
Sep 2015	645	114	56	745	12.5	17	745	614	1073.13	9450
<b>WY 2015</b>	<b>8934</b>	<b>742</b>	<b>536</b>	<b>9627</b>		<b>230</b>	<b>9601</b>			
Oct 2015	480	61	41	467	7.6	21	467	615	1073.26	9461
Nov 2015	500	39	41	582	9.8	12	582	609	1072.14	9371
Dec 2015	600	57	35	540	8.8	8	540	614	1073.00	9440
Jan 2016	800	62	29	665	10.8	15	665	623	1074.78	9583
Feb 2016	600	77	27	594	10.3	14	594	625	1075.27	9623
Mar 2016	600	49	30	992	16.1	22	992	601	1070.67	9253
Apr 2016	500	42	36	1056	17.7	28	1056	566	1063.76	8711
May 2016	600	18	40	963	15.7	36	963	540	1058.56	8314
Jun 2016	600	8	48	888	14.9	36	888	518	1053.96	7972
Jul 2016	800	61	59	839	13.7	38	839	514	1053.00	7901
Aug 2016	800	127	62	752	12.2	36	752	518	1053.98	7973
Sep 2016	600	109	51	693	11.6	23	693	515	1053.23	7918
<b>WY 2016</b>	<b>7480</b>	<b>709</b>	<b>500</b>	<b>9032</b>		<b>289</b>	<b>9032</b>			
Oct 2016	480	61	37	448	7.3	27	448	516	1053.59	7944
Nov 2016	500	50	37	599	10.1	18	599	510	1052.25	7846
Dec 2016	600	96	32	523	8.5	15	523	518	1053.86	7964
Jan 2017	800	72	27	667	10.8	15	667	528	1055.92	8117
Feb 2017	600	77	25	592	10.7	14	592	530	1056.50	8160
Mar 2017	600	61	27	994	16.2	22	994	507	1051.62	7801

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
*	Apr 2014	1134	-21	17	1054	0	1054	17.7	643.13	1702
H	May 2014	1086	-17	22	1023	0	1022	16.6	644.01	1726
I	Jun 2014	959	-19	25	947	0	947	15.9	642.83	1694
S	Jul 2014	943	-10	25	900	0	900	14.6	643.10	1701
T	Aug 2014	735	-6	23	697	0	697	11.3	643.43	1711
O	Sep 2014	686	-6	18	727	0	727	12.2	641.03	1645
<b>WY 2014</b>		<b>9759</b>	<b>-139</b>	<b>198</b>	<b>9400</b>	<b>0</b>	<b>9400</b>			
R	Oct 2014	472	10	15	642	0	642	10.4	634.40	1470
I	Nov 2014	695	-6	10	629	0	629	10.6	636.32	1520
C	Dec 2014	493	-2	9	445	0	445	7.2	637.75	1558
A	Jan 2015	832	-22	10	660	0	660	10.7	642.98	1698
L	Feb 2015	600	-8	10	625	0	625	11.3	641.43	1656
*	Mar 2015	1034	-21	13	963	0	963	15.7	642.78	1693
	Apr 2015	1111	-19	17	1069	0	1069	18.0	643.00	1699
	May 2015	1051	-15	22	1014	0	1014	16.5	643.00	1699
	Jun 2015	911	-17	25	895	0	895	15.0	642.00	1671
	Jul 2015	881	-13	25	856	0	856	13.9	641.50	1658
	Aug 2015	801	-10	23	768	0	768	12.5	641.50	1658
	Sep 2015	745	-6	18	761	0	761	12.8	640.01	1617
<b>WY 2015</b>		<b>9627</b>	<b>-130</b>	<b>197</b>	<b>9327</b>	<b>0</b>	<b>9327</b>			
	Oct 2015	467	1	15	637	0	637	10.4	633.00	1434
	Nov 2015	582	-11	10	510	0	510	8.6	635.00	1486
	Dec 2015	540	-12	9	421	0	421	6.8	638.71	1583
	Jan 2016	665	-13	10	559	0	559	9.1	641.80	1666
	Feb 2016	594	-13	10	571	0	571	9.9	641.80	1666
	Mar 2016	992	-15	13	930	0	930	15.1	643.05	1700
	Apr 2016	1056	-19	17	1022	0	1022	17.2	643.00	1699
	May 2016	963	-15	22	926	0	926	15.1	643.00	1699
	Jun 2016	888	-17	25	873	0	873	14.7	642.00	1671
	Jul 2016	839	-13	25	814	0	814	13.2	641.50	1658
	Aug 2016	752	-10	23	719	0	719	11.7	641.50	1658
	Sep 2016	693	-6	18	709	0	709	11.9	640.01	1617
<b>WY 2016</b>		<b>9032</b>	<b>-143</b>	<b>197</b>	<b>8691</b>	<b>0</b>	<b>8691</b>			
	Oct 2016	448	1	15	618	0	618	10.1	633.00	1434
	Nov 2016	599	-11	10	527	0	527	8.9	635.00	1486
	Dec 2016	523	-12	9	405	0	405	6.6	638.71	1583
	Jan 2017	667	-13	10	561	0	561	9.1	641.80	1666
	Feb 2017	592	-13	10	570	0	570	10.3	641.80	1666
	Mar 2017	994	-15	13	932	0	932	15.2	643.05	1700

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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)
* Apr 2014	1054	24	11	756	12.7	105	178	448.11	582	241	4.0
H May 2014	1022	-3	13	694	11.3	110	184	448.48	589	115	1.9
I Jun 2014	947	11	15	713	12.0	95	133	447.90	578	268	1.9
S Jul 2014	900	18	17	685	11.1	105	93	448.27	585	118	1.9
T Aug 2014	697	26	17	495	8.1	106	99	448.10	582	100	1.6
O Sep 2014	727	13	15	474	8.0	102	140	448.17	583	90	1.5
<b>WY 2014</b>	<b>9400</b>	<b>169</b>	<b>140</b>	<b>6496</b>		<b>1137</b>	<b>1685</b>			<b>1742</b>	
R Oct 2014	642	16	12	432	7.0	105	135	446.41	550	65	1.1
I Nov 2014	629	9	9	351	5.9	102	147	447.77	576	89	1.5
C Dec 2014	445	18	7	240	3.9	109	132	446.36	549	98	1.6
A Jan 2015	660	17	6	348	5.7	105	180	448.22	584	146	2.4
L Feb 2015	625	10	8	473	8.5	54	109	447.38	568	172	3.1
* Mar 2015	963	2	9	707	11.5	85	146	447.89	578	219	3.6
Apr 2015	1069	23	11	794	13.3	102	175	448.00	580	209	3.5
May 2015	1014	17	13	706	11.5	105	181	448.70	593	101	1.6
Jun 2015	895	15	16	707	11.9	102	72	448.70	593	100	1.7
Jul 2015	856	29	17	691	11.2	105	72	448.00	580	103	1.7
Aug 2015	768	27	17	589	9.6	105	82	447.50	571	92	1.5
Sep 2015	761	23	15	523	8.8	102	135	447.50	570	89	1.5
<b>WY 2015</b>	<b>9327</b>	<b>207</b>	<b>140</b>	<b>6561</b>		<b>1180</b>	<b>1567</b>			<b>1484</b>	
Oct 2015	637	25	12	488	7.9	37	117	447.50	571	63	1.0
Nov 2015	510	27	9	375	6.3	32	115	447.50	571	97	1.6
Dec 2015	421	21	7	300	4.9	35	115	446.50	552	110	1.8
Jan 2016	559	18	6	350	5.7	72	144	446.50	552	126	2.1
Feb 2016	571	11	8	435	7.6	66	67	446.50	552	156	2.7
Mar 2016	930	15	9	733	11.9	72	118	446.70	555	198	3.2
Apr 2016	1022	23	11	776	13.0	69	143	448.70	593	198	3.3
May 2016	926	17	13	701	11.4	72	145	448.70	593	109	1.8
Jun 2016	873	15	16	691	11.6	69	100	448.70	593	108	1.8
Jul 2016	814	29	17	697	11.3	72	58	448.00	580	115	1.9
Aug 2016	719	27	17	596	9.7	72	61	447.50	571	97	1.6
Sep 2016	709	23	15	541	9.1	69	99	447.50	570	86	1.5
<b>WY 2016</b>	<b>8691</b>	<b>252</b>	<b>139</b>	<b>6683</b>		<b>737</b>	<b>1283</b>			<b>1464</b>	
Oct 2016	618	25	12	447	7.3	72	105	447.50	571	53	0.9
Nov 2016	527	27	9	368	6.2	69	103	447.50	571	99	1.7
Dec 2016	405	21	7	273	4.4	72	89	446.50	552	104	1.7
Jan 2017	561	18	6	348	5.7	76	145	446.50	552	126	2.1
Feb 2017	570	11	8	432	7.8	67	67	446.50	552	156	2.8
Mar 2017	932	15	9	732	11.9	76	118	446.70	555	198	3.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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
*	Apr 2014	1134	19.1	1094.55	11254	-635	447.66	1146.0	459.8	68	405.6
H	May 2014	1086	17.7	1087.46	10639	-615	440.39	1341.0	431.0	81	397.1
I	Jun 2014	959	16.1	1082.66	10233	-406	437.98	1541.0	372.9	93	388.7
S	Jul 2014	943	15.3	1080.60	10061	-172	434.94	1615.0	363.6	100	385.7
T	Aug 2014	735	12.0	1081.55	10140	79	436.53	1493.0	279.3	94	379.9
O	Sep 2014	686	11.5	1081.33	10121	-18	437.59	1493.0	262.1	94	382.2
<b>WY 2014</b>		<b>9759</b>							<b>3910.2</b>		
R	Oct 2014	472	7.7	1082.79	10244	122	442.74	1282.0	180.0	81	381.5
I	Nov 2014	695	11.7	1083.57	10309	65	437.62	1079.0	270.7	68	389.5
C	Dec 2014	493	8.0	1087.79	10667	358	446.86	889.0	189.0	55	383.3
A	Jan 2015	832	13.5	1088.51	10729	62	441.51	1018.0	333.5	63	400.6
L	Feb 2015	600	10.8	1088.98	10769	40	444.73	848.0	239.1	52	398.4
*	Mar 2015	1034	16.8	1084.87	10419	-350	440.21	952.0	412.2	60	398.7
	Apr 2015	1111	18.7	1078.82	9914	-505	430.95	1217.0	442.4	76	398.1
	May 2015	1051	17.1	1074.16	9533	-381	424.96	1265.0	405.6	82	385.8
	Jun 2015	911	15.3	1071.96	9356	-176	419.97	1532.0	344.3	100	378.0
	Jul 2015	881	14.3	1073.40	9471	115	420.09	1542.0	337.7	100	383.1
	Aug 2015	801	13.0	1073.81	9505	33	421.16	1544.0	304.5	100	380.3
	Sep 2015	745	12.5	1073.13	9450	-55	421.51	1545.0	282.2	100	379.0
<b>WY 2015</b>		<b>9627</b>							<b>3741.3</b>		
	Oct 2015	467	7.6	1073.26	9461	11	427.43	953.0	179.0	62	383.4
	Nov 2015	582	9.8	1072.14	9371	-90	429.29	952.0	224.9	61	386.4
	Dec 2015	540	8.8	1073.00	9440	69	425.30	1260.0	201.7	80	373.8
	Jan 2016	665	10.8	1074.78	9583	143	425.55	1095.0	253.0	69	380.6
	Feb 2016	594	10.3	1075.27	9623	40	424.83	1221.0	226.8	77	381.9
	Mar 2016	992	16.1	1070.67	9253	-370	422.47	1190.0	379.1	76	382.2
	Apr 2016	1056	17.7	1063.76	8711	-542	415.82	1244.0	400.5	81	379.4
	May 2016	963	15.7	1058.56	8314	-396	409.26	1306.0	357.6	87	371.2
	Jun 2016	888	14.9	1053.96	7972	-342	403.34	1496.0	320.7	100	361.0
	Jul 2016	839	13.7	1053.00	7901	-71	401.08	1503.0	304.7	100	363.0
	Aug 2016	752	12.2	1053.98	7973	72	401.25	1522.0	270.3	100	359.2
	Sep 2016	693	11.6	1053.23	7918	-55	401.85	1522.8	248.0	100	357.9
<b>WY 2016</b>		<b>9032</b>							<b>3366.3</b>		
	Oct 2016	448	7.3	1053.59	7944	26	407.76	945.9	164.0	62	365.6
	Nov 2016	599	10.1	1052.25	7846	-98	409.62	935.6	221.9	61	370.3
	Dec 2016	523	8.5	1053.86	7964	118	405.93	1237.2	186.5	80	356.3
	Jan 2017	667	10.8	1055.92	8117	153	406.67	1075.6	242.6	69	363.9
	Feb 2017	592	10.7	1056.50	8160	43	406.17	1199.6	213.9	77	361.1
	Mar 2017	994	16.2	1051.62	7801	-359	403.71	1168.1	362.1	76	364.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



April 2015 24-Month Study

Minimum 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
*	Apr 2014	1054	17.7	643.13	1702	42	141.55	255.0	132.2	100	125.4
H	May 2014	1023	16.6	644.01	1726	24	143.52	255.0	127.7	100	124.9
I	Jun 2014	947	15.9	642.83	1694	-32	141.57	255.0	119.3	100	126.0
S	Jul 2014	900	14.6	643.10	1701	7	143.48	255.0	112.8	100	125.4
T	Aug 2014	697	11.3	643.43	1711	9	143.79	255.0	88.3	100	126.7
O	Sep 2014	727	12.2	641.03	1645	-65	138.41	255.0	91.5	100	126.0
<b>WY 2014</b>		<b>9400</b>							<b>1175.6</b>		
R	Oct 2014	642	10.4	634.40	1470	-175	134.93	191.3	72.3	75	112.7
I	Nov 2014	629	10.6	636.32	1520	50	136.47	158.1	74.4	62	118.2
C	Dec 2014	445	7.2	637.75	1558	37	134.54	165.8	52.7	65	118.4
A	Jan 2015	660	10.7	642.98	1698	141	141.44	163.2	82.8	64	125.4
L	Feb 2015	625	11.3	641.43	1656	-42	140.07	188.7	79.9	74	127.8
*	Mar 2015	963	15.7	642.78	1693	37	139.75	229.5	123.2	90	128.0
	Apr 2015	1069	18.0	643.00	1699	6	135.93	255.0	132.9	100	124.3
	May 2015	1014	16.5	643.00	1699	0	136.04	255.0	126.6	100	124.8
	Jun 2015	895	15.0	642.00	1671	-27	135.51	255.0	111.8	100	124.8
	Jul 2015	856	13.9	641.50	1658	-14	134.73	255.0	106.6	100	124.5
	Aug 2015	768	12.5	641.50	1658	0	134.46	255.0	95.8	100	124.7
	Sep 2015	761	12.8	640.01	1617	-40	133.68	255.0	94.3	100	124.0
<b>WY 2015</b>		<b>9327</b>							<b>1153.2</b>		
	Oct 2015	637	10.4	633.00	1434	-183	129.77	234.6	77.1	92	121.0
	Nov 2015	510	8.6	635.00	1486	51	127.90	209.1	60.9	82	119.4
	Dec 2015	421	6.8	638.71	1583	97	130.45	224.4	51.6	88	122.7
	Jan 2016	559	9.1	641.80	1666	83	135.97	163.2	69.8	64	124.8
	Feb 2016	571	9.9	641.80	1666	0	137.17	173.4	71.9	68	125.9
	Mar 2016	930	15.1	643.05	1700	34	135.44	255.0	115.9	100	124.7
	Apr 2016	1022	17.2	643.00	1699	-2	136.07	255.0	127.3	100	124.6
	May 2016	926	15.1	643.00	1699	0	136.04	255.0	116.0	100	125.3
	Jun 2016	873	14.7	642.00	1671	-27	135.51	255.0	109.1	100	124.9
	Jul 2016	814	13.2	641.50	1658	-14	134.73	255.0	101.6	100	124.7
	Aug 2016	719	11.7	641.50	1658	0	134.46	255.0	89.9	100	125.0
	Sep 2016	709	11.9	640.01	1617	-40	133.68	255.0	88.1	100	124.3
<b>WY 2016</b>		<b>8691</b>							<b>1079.3</b>		
	Oct 2016	618	10.1	633.00	1434	-183	129.77	234.6	74.9	92	121.1
	Nov 2016	527	8.9	635.00	1486	51	127.90	209.1	62.9	82	119.3
	Dec 2016	405	6.6	638.71	1583	97	130.45	224.4	49.7	88	122.8
	Jan 2017	561	9.1	641.80	1666	83	135.97	163.2	70.1	64	124.8
	Feb 2017	570	10.3	641.80	1666	0	137.17	173.4	71.7	68	125.8
	Mar 2017	932	15.2	643.05	1700	34	135.44	255.0	116.3	100	124.7

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum 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
* Apr 2014	756	12.7	448.11	582	20	80.82	120.0	52.3	100	69.1
H May 2014	694	11.3	448.48	589	7	80.45	106.8	49.2	89	70.8
I Jun 2014	713	12.0	447.90	578	-11	81.61	120.0	49.8	100	69.8
S Jul 2014	688	11.1	448.27	585	7	82.46	120.0	47.9	100	69.7
T Aug 2014	495	8.1	448.10	582	-3	81.82	120.0	35.2	100	71.2
O Sep 2014	474	8.0	448.17	583	1	82.36	120.0	33.7	100	70.9
<b>WY 2014</b>	<b>6498</b>							<b>451.6</b>		
R Oct 2014	432	7.0	446.41	550	-33	80.56	91.2	30.8	76	71.3
I Nov 2014	351	5.9	447.77	576	25	81.18	96.0	24.4	80	69.4
C Dec 2014	240	3.9	446.36	549	-26	81.87	120.0	15.5	100	64.8
A Jan 2015	348	5.6	448.22	584	35	82.97	93.6	24.3	78	69.7
L Feb 2015	473	8.5	447.38	568	-16	81.70	94.8	33.2	79	70.2
* Mar 2015	707	11.5	447.89	578	10	79.76	108.0	49.6	90	70.2
Apr 2015	794	13.3	448.00	580	2	75.32	120.0	52.5	100	66.2
May 2015	706	11.5	448.70	593	13	75.71	120.0	46.8	100	66.2
Jun 2015	707	11.9	448.70	593	0	76.05	120.0	47.1	100	66.6
Jul 2015	691	11.2	448.00	580	-13	75.71	120.0	45.8	100	66.2
Aug 2015	589	9.6	447.50	571	-9	75.13	120.0	38.5	100	65.4
Sep 2015	523	8.8	447.50	570	0	74.89	120.0	34.0	100	65.0
<b>WY 2015</b>	<b>6561</b>							<b>442.5</b>		
Oct 2015	488	7.9	447.50	571	0	76.04	94.8	32.1	79	65.8
Nov 2015	375	6.3	447.50	571	0	75.69	102.0	24.3	85	64.8
Dec 2015	300	4.9	446.50	552	-19	74.40	120.0	18.8	100	62.8
Jan 2016	350	5.7	446.50	552	0	75.01	96.0	22.4	80	64.0
Feb 2016	435	7.6	446.50	552	0	75.13	93.6	28.3	78	65.1
Mar 2016	733	11.9	446.70	555	4	74.01	120.0	47.7	100	65.0
Apr 2016	776	13.0	448.70	593	38	75.08	120.0	51.2	100	66.0
May 2016	701	11.4	448.70	593	0	76.05	120.0	46.6	100	66.5
Jun 2016	691	11.6	448.70	593	0	76.05	120.0	46.0	100	66.5
Jul 2016	697	11.3	448.00	580	-13	75.71	120.0	46.1	100	66.2
Aug 2016	596	9.7	447.50	571	-9	75.13	120.0	39.0	100	65.4
Sep 2016	541	9.1	447.50	570	0	74.89	120.0	35.2	100	65.1
<b>WY 2016</b>	<b>6683</b>							<b>437.8</b>		
Oct 2016	447	7.3	447.50	571	0	75.69	102.0	29.2	85	65.2
Nov 2016	368	6.2	447.50	571	0	75.69	102.0	23.8	85	64.7
Dec 2016	273	4.4	446.50	552	-19	75.20	102.0	17.2	85	63.0
Jan 2017	348	5.7	446.50	552	0	74.71	102.0	22.2	85	63.7
Feb 2017	432	7.8	446.50	552	0	73.92	120.0	27.7	100	64.0
Mar 2017	732	11.9	446.70	555	4	74.01	120.0	47.6	100	65.0

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



April 2015 24-Month Study

Minimum 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
* Apr 2014	206	19	7	13	9	5
H May 2014	204	20	19	32	17	6
I Jun 2014	260	80	54	103	21	7
S Jul 2014	354	41	35	29	22	8
T Aug 2014	353	48	31	37	21	9
O Sep 2014	266	46	23	29	16	2
<b>Summer 2014</b>	<b>1643</b>	<b>255</b>	<b>169</b>	<b>243</b>	<b>106</b>	<b>37</b>
R Oct 2014	264	36	18	17	14	7
I Nov 2014	281	30	7	7	4	6
C Dec 2014	377	43	15	19	11	6
A Jan 2015	373	48	16	20	10	6
L Feb 2015	254	44	8	10	2	5
* Mar 2015	278	48	7	9	5	6
<b>Winter 2015</b>	<b>1827</b>	<b>250</b>	<b>72</b>	<b>83</b>	<b>46</b>	<b>37</b>
Apr 2015	231	25	14	19	11	8
May 2015	269	54	20	31	19	5
Jun 2015	308	49	20	26	16	5
Jul 2015	401	18	29	35	18	5
Aug 2015	302	18	29	35	18	5
Sep 2015	242	17	25	31	16	3
<b>Summer 2015</b>	<b>1753</b>	<b>181</b>	<b>135</b>	<b>177</b>	<b>97</b>	<b>31</b>
Oct 2015	178	18	13	16	9	5
Nov 2015	185	17	4	6	3	5
Dec 2015	221	18	8	10	6	5
Jan 2016	291	18	7	10	5	4
Feb 2016	216	17	7	9	5	4
Mar 2016	215	18	8	11	6	4
<b>Winter 2016</b>	<b>1306</b>	<b>105</b>	<b>47</b>	<b>62</b>	<b>34</b>	<b>26</b>
Apr 2016	179	26	12	18	10	4
May 2016	218	49	29	41	23	4
Jun 2016	222	24	19	26	16	5
Jul 2016	298	25	29	35	18	6
Aug 2016	294	25	29	35	18	6
Sep 2016	219	24	25	31	16	5
<b>Summer 2016</b>	<b>1430</b>	<b>171</b>	<b>143</b>	<b>185</b>	<b>100</b>	<b>30</b>
Oct 2016	174	25	14	18	9	6
Nov 2016	181	24	5	7	4	5
Dec 2016	216	25	26	32	16	5
Jan 2017	286	25	21	27	14	5
Feb 2017	213	22	11	15	8	4
Mar 2017	212	25	7	10	6	4
<b>Winter 2017</b>	<b>1070</b>	<b>120</b>	<b>77</b>	<b>98</b>	<b>51</b>	<b>26</b>

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## April 2015 24-Month Study

Minimum Probable Inflow\*

### Flood Control Criteria

#### Beginning of Month Conditions



Date	Flaming Gorge	Blue Mesa	Navajo	Lake Powell	Upper Basin Total	Lake Mead	Total	Flaming Gorge	Blue Mesa	Navajo	Tot or Max Allow	Lake Powell	Lake Mead	Total	BOM Space Required	Mead Sched Rel	Mead FC Rel	Sys Cont	
	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	KAF	MAF	
<b>**** PREDICTED SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Apr 2015	726	256	546	13409	14937	16958	31895	38	114	120	272	13409	16958	30640	1500	1111	0	28.3	
May 2015	721	233	515	13599	15068	17463	32531	25	88	68	181	13599	17463	31243	1500	1051	0	28.0	
Jun 2015	768	168	491	13539	14966	17844	32810	66	10	8	85	13539	17844	31468	1500	911	0	27.9	
Jul 2015	743	114	529	13520	14906	18021	32927	32	-46	-6	-20	13520	18021	31521	1500	881	0	27.3	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2015	726	153	592	14117	15588	17906	33493	726	153	592	1471	14117	17906	33493	1500	801	0	26.7	
Sep 2015	747	202	646	14560	16156	17872	34028	747	202	646	1596	14560	17872	34028	2270	745	0	26.2	
Oct 2015	776	254	675	14872	16577	17927	34504	776	254	675	1704	14872	17927	34504	3040	467	0	25.9	
Nov 2015	795	265	681	14989	16730	17916	34647	795	265	681	1741	14989	17916	34647	3810	582	0	25.7	
Dec 2015	806	248	684	15101	16838	18006	34845	806	248	684	1737	15101	18006	34845	4580	540	0	25.6	
Jan 2016	829	248	688	15349	17115	17937	35052	829	248	688	1766	15349	17937	35052	5350	665	0	25.4	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2016	829	248	688	15349	17115	17937	35052	260	171	376	807	15349	17937	34094	5350	665	0	25.4	
Feb 2016	847	247	693	15776	17563	17794	35357	275	172	380	827	15776	17794	34397	1500	594	0	25.2	
Mar 2016	857	246	691	15992	17786	17754	35540	282	173	377	832	15992	17754	34578	1500	992	0	24.8	
Apr 2016	825	237	645	16105	17813	18124	35937	245	166	325	736	16105	18124	34965	1500	1056	0	24.5	
May 2016	806	217	595	16001	17619	18666	36285	220	143	252	615	16001	18666	35283	1500	963	0	25.0	
Jun 2016	784	175	487	15284	16729	19063	35792	190	85	108	383	15284	19063	34729	1500	888	0	25.6	
Jul 2016	645	73	445	14635	15799	19405	35204	39	-32	13	20	14635	19405	34061	1500	839	0	25.1	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2016	622	99	489	14990	16199	19476	35675	622	99	489	1209	14990	19476	35675	1500	752	0	24.6	
Sep 2016	656	140	533	15406	16736	19404	36139	656	140	533	1330	15406	19404	36139	2270	693	0	24.2	
Oct 2016	701	190	549	15622	17062	19459	36521	701	190	549	1440	15622	19459	36521	3040	448	0	23.9	
Nov 2016	735	202	552	15713	17202	19433	36634	735	202	552	1489	15713	19433	36634	3810	599	0	23.8	
Dec 2016	756	189	552	15787	17283	19531	36814	756	189	552	1497	15787	19531	36814	4580	523	0	23.7	
Jan 2017	791	248	554	15941	17534	19413	36947	791	248	554	1593	15941	19413	36947	5350	667	0	23.5	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2017	791	248	554	15941	17534	19413	36947	492	248	546	1286	15941	19413	36640	5350	667	0	23.5	
Feb 2017	821	295	558	16282	17957	19260	37217	519	295	550	1364	16282	19260	36906	1500	592	0	23.3	
Mar 2017	841	309	551	16459	18160	19217	37377	536	309	542	1387	16459	19217	37063	1500	994	0	23.1	

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