

To: All Annual Operating Plan Recipients

From: Lower Colorado Region  
Boulder Canyon Operations Office  
River Operations Group  
Daniel Bunk  
P.O. Box 61470  
Boulder City, NV 89006-1470  
Phone: 702-293-8013



In addition to the August 2014 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 only 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/2014/August-Chart.pdf>.

The water year 2015 unregulated inflow into Lake Powell under the August 2014 Probable Minimum inflow scenario is 6.50 maf, or 60 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 9.00 million acre-feet (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 August 2014 Most Probable 24-Month Study is available for download at <http://www.usbr.gov/lc/region/g4000/24mo/2014/AUG14.pdf>.

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	32	2	43	0	43	6490.28	229
H	Sep 2013	47	2	42	0	42	6490.87	233
	<b>WY 2013</b>	<b>575</b>	<b>14</b>	<b>534</b>	<b>57</b>	<b>591</b>		
I	Oct 2013	53	1	19	24	43	6492.11	241
S	Nov 2013	41	1	51	4	55	6489.91	226
T	Dec 2013	30	1	61	0	61	6485.02	195
O	Jan 2014	29	1	61	0	61	6479.35	163
R	Feb 2014	29	0	55	0	55	6474.06	136
I	Mar 2014	56	0	71	0	71	6470.70	121
C	Apr 2014	101	1	83	1	84	6474.33	138
A	May 2014	272	1	96	126	222	6483.58	186
L	Jun 2014	427	2	104	254	364	6492.90	247
*	Jul 2014	220	3	90	1	117	6506.25	347
	Aug 2014	85	2	99	11	110	6502.82	320
	Sep 2014	59	2	36	40	76	6500.38	302
	<b>WY 2014</b>	<b>1401</b>	<b>15</b>	<b>825</b>	<b>461</b>	<b>1319</b>		
	Oct 2014	55	1	77	0	77	6497.27	279
	Nov 2014	41	1	74	0	74	6492.49	245
	Dec 2014	36	1	77	0	77	6486.21	204
	Jan 2015	32	1	77	0	77	6478.43	159
	Feb 2015	30	0	69	0	69	6469.94	119
	Mar 2015	54	0	77	0	77	6464.11	96
	Apr 2015	72	1	60	0	60	6467.23	108
	May 2015	95	1	49	0	49	6477.16	152
	Jun 2015	153	2	48	0	48	6494.03	256
	Jul 2015	66	2	49	0	49	6496.00	270
	Aug 2015	34	2	49	0	49	6493.56	252
	Sep 2015	31	2	38	9	48	6490.96	234
	<b>WY 2015</b>	<b>700</b>	<b>14</b>	<b>744</b>	<b>9</b>	<b>754</b>		
	Oct 2015	35	1	49	0	49	6488.52	219
	Nov 2015	37	1	54	0	54	6485.96	202
	Dec 2015	30	1	55	0	55	6481.70	176
	Jan 2016	28	1	55	0	55	6476.50	149
	Feb 2016	26	0	50	0	50	6471.28	125
	Mar 2016	47	0	55	0	55	6469.33	116
	Apr 2016	65	1	54	0	54	6471.85	127
	May 2016	116	1	55	0	55	6483.53	187
	Jun 2016	180	2	54	0	54	6501.59	311
	Jul 2016	99	3	79	0	79	6503.76	328

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	22	33	11	68	0	68	114	6015.71	2831	87
H	Sep 2013	67	62	10	66	0	66	113	6015.33	2818	95
	<b>WY 2013</b>	<b>657</b>	<b>673</b>	<b>73</b>	<b>818</b>	<b>3</b>	<b>821</b>				<b>1744</b>
I	Oct 2013	68	58	6	51	0	51	113	6015.35	2819	108
S	Nov 2013	41	55	3	48	0	48	114	6015.47	2823	96
T	Dec 2013	32	62	2	49	0	49	114	6015.79	2834	403
O	Jan 2014	33	65	2	49	0	49	115	6016.19	2847	405
R	Feb 2014	46	71	2	45	0	45	116	6016.89	2871	99
I	Mar 2014	86	100	3	49	1	50	117	6018.21	2917	123
C	Apr 2014	128	111	5	50	0	50	120	6019.75	2971	306
A	May 2014	333	283	8	53	0	53	128	6025.67	3185	594
L	Jun 2014	472	409	10	208	85	293	132	6028.39	3287	775
*	Jul 2014	226	123	13	105	0	105	132	6028.51	3292	208
	Aug 2014	90	115	13	100	0	100	133	6028.57	3294	100
	Sep 2014	60	77	11	97	0	97	131	6027.79	3264	97
	<b>WY 2014</b>	<b>1614</b>	<b>1531</b>	<b>77</b>	<b>903</b>	<b>86</b>	<b>990</b>				<b>3314</b>
	Oct 2014	61	83	7	100	0	100	130	6027.17	3241	100
	Nov 2014	50	84	3	97	0	97	130	6026.75	3225	97
	Dec 2014	38	79	2	100	0	100	129	6026.16	3203	100
	Jan 2015	46	91	2	100	0	100	128	6025.88	3193	100
	Feb 2015	54	93	2	90	0	90	129	6025.89	3193	90
	Mar 2015	117	140	3	100	0	100	130	6026.84	3229	100
	Apr 2015	115	102	5	97	0	97	130	6026.86	3229	97
	May 2015	143	97	8	139	0	139	128	6025.57	3181	139
	Jun 2015	176	70	10	92	0	92	127	6024.73	3150	92
	Jul 2015	62	46	13	49	0	49	126	6024.31	3135	49
	Aug 2015	27	42	12	49	0	49	125	6023.80	3116	49
	Sep 2015	31	47	11	48	0	48	125	6023.51	3106	48
	<b>WY 2015</b>	<b>920</b>	<b>974</b>	<b>78</b>	<b>1061</b>	<b>0</b>	<b>1061</b>				<b>1061</b>
	Oct 2015	37	52	7	49	0	49	125	6023.41	3102	49
	Nov 2015	41	57	3	48	0	48	125	6023.56	3107	48
	Dec 2015	28	53	2	49	0	49	125	6023.61	3109	49
	Jan 2016	35	62	2	49	0	49	126	6023.89	3120	49
	Feb 2016	39	63	2	46	0	46	126	6024.27	3134	46
	Mar 2016	86	94	3	49	0	49	128	6025.36	3174	49
	Apr 2016	97	85	5	67	0	67	128	6025.71	3187	67
	May 2016	163	102	8	132	0	132	127	6024.75	3151	132
	Jun 2016	217	90	10	48	0	48	128	6025.60	3182	48
	Jul 2016	106	87	13	49	0	49	129	6026.23	3206	49

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	7	15	9312.37	74
H	Sep 2013	8	12	9309.95	70
<b>WY 2013</b>		<b>97</b>	<b>83</b>		
I	Oct 2013	7	6	9310.82	71
S	Nov 2013	5	5	9310.99	71
T	Dec 2013	5	5	9310.93	71
O	Jan 2014	5	5	9310.93	71
R	Feb 2014	4	4	9311.08	72
I	Mar 2014	5	5	9310.72	71
C	Apr 2014	12	13	9310.23	70
A	May 2014	31	27	9312.59	74
L	Jun 2014	49	28	9324.29	95
*	Jul 2014	19	25	9320.83	88
	Aug 2014	9	18	9315.78	79
	Sep 2014	7	14	9311.60	72
<b>WY 2014</b>		<b>156</b>	<b>153</b>		
	Oct 2014	6	8	9310.36	70
	Nov 2014	4	6	9309.28	69
	Dec 2014	4	6	9307.99	67
	Jan 2015	4	4	9307.87	67
	Feb 2015	4	4	9307.75	66
	Mar 2015	4	4	9308.02	67
	Apr 2015	7	4	9310.01	70
	May 2015	21	8	9317.71	83
	Jun 2015	24	18	9321.00	89
	Jul 2015	9	18	9316.04	80
	Aug 2015	7	18	9309.22	69
	Sep 2015	6	10	9306.49	64
<b>WY 2015</b>		<b>100</b>	<b>108</b>		
	Oct 2015	5	6	9306.15	64
	Nov 2015	4	4	9306.45	64
	Dec 2015	4	4	9306.49	64
	Jan 2016	4	4	9306.55	65
	Feb 2016	4	4	9306.29	64
	Mar 2016	4	4	9306.39	64
	Apr 2016	8	4	9308.80	68
	May 2016	23	8	9317.97	83
	Jun 2016	31	18	9324.76	96
	Jul 2016	11	18	9320.92	89

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	46	54	1	89	0	89	7457.29	355
H	Sep 2013	57	61	1	66	0	66	7456.24	348
	<b>WY 2013</b>	<b>561</b>	<b>547</b>	<b>6</b>	<b>517</b>	<b>0</b>	<b>532</b>		
I	Oct 2013	48	47	0	46	0	46	7456.34	349
S	Nov 2013	33	33	0	14	0	14	7459.38	367
T	Dec 2013	25	25	0	11	0	11	7461.56	381
O	Jan 2014	22	22	0	14	0	14	7462.81	389
R	Feb 2014	23	22	0	13	0	13	7464.31	398
I	Mar 2014	32	33	0	23	0	23	7465.76	408
C	Apr 2014	129	130	1	28	0	28	7480.43	509
A	May 2014	242	240	1	69	3	72	7501.73	676
L	Jun 2014	361	338	1	185	142	353	7499.76	659
*	Jul 2014	117	123	1	118	0	118	7500.15	663
	Aug 2014	60	69	1	98	0	98	7496.46	632
	Sep 2014	40	47	1	77	0	77	7492.58	602
	<b>WY 2014</b>	<b>1133</b>	<b>1130</b>	<b>8</b>	<b>697</b>	<b>145</b>	<b>869</b>		
	Oct 2014	41	43	1	56	0	56	7490.86	588
	Nov 2014	34	36	0	30	0	30	7491.61	594
	Dec 2014	29	31	0	60	0	60	7487.89	565
	Jan 2015	29	29	0	52	0	52	7484.89	542
	Feb 2015	27	27	0	34	0	34	7483.90	535
	Mar 2015	39	38	0	27	0	27	7485.35	546
	Apr 2015	62	59	1	27	0	27	7489.41	577
	May 2015	145	132	1	40	0	40	7500.81	668
	Jun 2015	142	136	1	54	0	54	7510.34	749
	Jul 2015	53	62	2	87	0	87	7507.23	722
	Aug 2015	40	51	1	95	0	95	7501.92	677
	Sep 2015	29	33	1	86	0	86	7495.28	623
	<b>WY 2015</b>	<b>670</b>	<b>678</b>	<b>9</b>	<b>648</b>	<b>0</b>	<b>648</b>		
	Oct 2015	32	32	1	56	0	56	7492.22	599
	Nov 2015	29	29	0	28	0	28	7492.27	599
	Dec 2015	25	25	0	43	0	43	7490.00	581
	Jan 2016	24	24	0	44	0	44	7487.44	562
	Feb 2016	22	22	0	40	0	40	7485.09	544
	Mar 2016	34	34	0	21	0	21	7486.76	556
	Apr 2016	63	60	1	35	0	35	7489.87	580
	May 2016	156	140	1	68	0	68	7498.81	652
	Jun 2016	177	165	1	55	0	55	7511.59	760
	Jul 2016	62	69	2	94	0	94	7508.56	733

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	46	89	0	90	89	0	89	7154.91	113
H	Sep 2013	58	66	2	68	69	0	69	7154.20	112
	<b>WY 2013</b>	<b>595</b>	<b>532</b>	<b>35</b>	<b>567</b>	<b>563</b>	<b>0</b>	<b>563</b>		
I	Oct 2013	50	46	2	48	47	1	50	7152.26	111
S	Nov 2013	34	14	1	15	0	0	15	7152.65	111
T	Dec 2013	26	11	1	12	0	0	16	7147.65	107
O	Jan 2014	24	14	2	16	0	0	16	7148.51	108
R	Feb 2014	24	13	2	14	12	0	14	7148.21	108
I	Mar 2014	33	23	1	24	25	0	25	7146.76	107
C	Apr 2014	143	28	13	41	42	0	42	7146.13	106
A	May 2014	268	72	26	98	93	0	93	7152.55	111
L	Jun 2014	379	353	18	372	295	63	382	7138.91	101
*	Jul 2014	120	118	3	122	82	8	110	7153.91	112
	Aug 2014	63	98	3	101	101	0	101	7153.73	112
	Sep 2014	43	77	3	80	80	0	80	7153.73	112
	<b>WY 2014</b>	<b>1208</b>	<b>869</b>	<b>75</b>	<b>944</b>	<b>776</b>	<b>73</b>	<b>943</b>		
	Oct 2014	44	56	3	59	59	0	59	7153.73	112
	Nov 2014	38	30	3	33	33	0	33	7153.73	112
	Dec 2014	32	60	3	63	63	0	63	7153.73	112
	Jan 2015	32	52	3	55	55	0	55	7153.73	112
	Feb 2015	30	34	4	38	38	0	38	7153.73	112
	Mar 2015	44	27	5	32	32	0	32	7153.73	112
	Apr 2015	74	27	12	39	39	0	39	7153.73	112
	May 2015	167	40	21	61	61	0	61	7153.73	112
	Jun 2015	151	54	9	63	63	0	63	7153.73	112
	Jul 2015	58	87	5	92	92	0	92	7153.73	112
	Aug 2015	43	95	3	98	98	0	98	7153.73	112
	Sep 2015	32	86	3	89	89	0	89	7153.73	112
	<b>WY 2015</b>	<b>745</b>	<b>648</b>	<b>75</b>	<b>723</b>	<b>723</b>	<b>0</b>	<b>723</b>		
	Oct 2015	35	56	3	59	59	0	59	7153.73	112
	Nov 2015	31	28	2	30	30	0	30	7153.73	112
	Dec 2015	27	43	2	44	44	0	44	7153.73	112
	Jan 2016	26	44	2	46	46	0	46	7153.73	112
	Feb 2016	24	40	2	42	42	0	42	7153.73	112
	Mar 2016	38	21	4	25	25	0	25	7153.73	112
	Apr 2016	72	35	9	44	44	0	44	7153.73	112
	May 2016	171	68	16	84	84	0	84	7153.73	112
	Jun 2016	187	55	10	65	65	0	65	7153.73	112
	Jul 2016	64	94	2	96	96	0	96	7153.73	112

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	50	89	3	92	92	1	93	6745.72	15	62	36
H	Sep 2013	63	69	5	74	73	0	73	6746.17	15	48	29
	<b>WY 2013</b>	<b>661</b>	<b>563</b>	<b>65</b>	<b>628</b>	<b>614</b>	<b>14</b>	<b>627</b>			<b>363</b>	<b>291</b>
I	Oct 2013	55	50	5	54	56	0	56	6741.56	14	36	22
S	Nov 2013	40	15	6	21	15	4	19	6748.85	16	0	19
T	Dec 2013	30	16	4	20	20	0	20	6749.68	16	0	20
O	Jan 2014	27	16	3	19	6	14	20	6746.01	15	1	20
R	Feb 2014	29	14	5	19	3	17	20	6743.52	14	1	20
I	Mar 2014	39	25	6	31	30	0	31	6744.65	15	1	30
C	Apr 2014	154	42	11	53	53	0	53	6743.26	14	28	26
A	May 2014	297	93	29	122	88	22	118	6758.88	19	52	69
L	Jun 2014	414	382	35	417	108	126	419	6751.56	17	61	378
*	Jul 2014	130	110	10	120	119	2	120	6749.06	16	67	58
	Aug 2014	70	101	7	108	107	0	107	6753.04	17	65	42
	Sep 2014	49	80	6	86	86	0	86	6753.04	17	55	31
	<b>WY 2014</b>	<b>1335</b>	<b>943</b>	<b>127</b>	<b>1071</b>	<b>691</b>	<b>184</b>	<b>1068</b>			<b>366</b>	<b>735</b>
	Oct 2014	50	59	6	65	65	0	65	6753.04	17	30	35
	Nov 2014	45	33	8	41	41	0	41	6753.04	17	0	41
	Dec 2014	40	63	7	70	70	0	70	6753.04	17	0	70
	Jan 2015	39	55	7	62	62	0	62	6753.04	17	0	62
	Feb 2015	37	38	7	44	44	0	44	6753.04	17	0	44
	Mar 2015	53	32	9	42	42	0	42	6753.04	17	5	37
	Apr 2015	89	39	15	55	55	0	55	6753.04	17	30	25
	May 2015	198	61	31	93	93	0	93	6753.04	17	55	38
	Jun 2015	169	63	18	81	81	0	81	6753.04	17	60	21
	Jul 2015	67	92	9	101	101	0	101	6753.04	17	65	36
	Aug 2015	53	98	10	108	108	0	108	6753.04	17	65	43
	Sep 2015	39	89	8	97	97	0	97	6753.04	17	55	42
	<b>WY 2015</b>	<b>880</b>	<b>723</b>	<b>135</b>	<b>858</b>	<b>858</b>	<b>0</b>	<b>858</b>			<b>365</b>	<b>493</b>
	Oct 2015	42	59	7	67	67	0	67	6753.04	17	30	37
	Nov 2015	36	30	5	35	35	0	35	6753.04	17	0	35
	Dec 2015	31	44	4	49	49	0	49	6753.04	17	0	49
	Jan 2016	30	46	4	49	49	0	49	6753.04	17	0	49
	Feb 2016	28	42	4	46	46	0	46	6753.04	17	0	46
	Mar 2016	43	25	6	30	30	0	30	6753.04	17	5	25
	Apr 2016	83	44	10	54	54	0	54	6753.04	17	30	24
	May 2016	193	84	21	105	105	0	105	6753.04	17	55	50
	Jun 2016	206	65	19	84	84	0	84	6753.04	17	60	24
	Jul 2016	70	96	6	102	102	0	102	6753.04	17	65	37

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 24-Month Study

Minimum Probable Inflow\*

### Vallecito Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Aug 2013	13	26	7617.79	26
H	Sep 2013	45	7	7639.82	64
	<b>WY 2013</b>	<b>169</b>	<b>138</b>		
I	Oct 2013	18	2	7646.84	80
S	Nov 2013	10	2	7650.16	87
T	Dec 2013	7	2	7652.32	93
O	Jan 2014	6	2	7653.61	96
R	Feb 2014	5	2	7654.41	98
I	Mar 2014	7	11	7653.05	94
C	Apr 2014	28	16	7657.59	106
A	May 2014	59	43	7663.60	122
L	Jun 2014	47	50	7662.12	118
*	Jul 2014	15	38	7653.12	95
	Aug 2014	15	37	7643.52	72
	Sep 2014	14	30	7635.99	56
	<b>WY 2014</b>	<b>231</b>	<b>235</b>		
	Oct 2014	10	17	7632.15	49
	Nov 2014	5	1	7634.19	52
	Dec 2014	5	2	7635.79	56
	Jan 2015	5	2	7637.23	59
	Feb 2015	4	1	7638.40	61
	Mar 2015	5	2	7639.99	64
	Apr 2015	14	1	7645.39	76
	May 2015	45	27	7653.08	94
	Jun 2015	27	37	7648.82	84
	Jul 2015	10	36	7637.07	58
	Aug 2015	11	32	7624.95	36
	Sep 2015	10	25	7613.17	21
	<b>WY 2015</b>	<b>150</b>	<b>182</b>		
	Oct 2015	8	14	7607.14	15
	Nov 2015	7	1	7612.51	20
	Dec 2015	6	2	7616.72	25
	Jan 2016	6	2	7619.88	29
	Feb 2016	5	1	7622.38	32
	Mar 2016	8	2	7626.21	38
	Apr 2016	19	1	7635.54	55
	May 2016	62	31	7649.40	86
	Jun 2016	49	43	7651.99	92
	Jul 2016	18	41	7641.75	68

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	43	3	53	3	34	41	6014.89	865	54
H	Sep 2013	151	5	110	2	15	25	6022.28	933	90
	<b>WY 2013</b>	<b>543</b>	<b>42</b>	<b>472</b>	<b>20</b>	<b>205</b>	<b>349</b>			<b>604</b>
I	Oct 2013	57	3	38	1	4	15	6024.13	951	45
S	Nov 2013	35	1	26	1	0	16	6025.11	960	43
T	Dec 2013	26	0	21	0	0	16	6025.59	965	39
O	Jan 2014	19	0	16	0	0	17	6025.41	963	36
R	Feb 2014	23	0	21	1	0	18	6025.70	966	35
I	Mar 2014	52	2	53	1	4	18	6028.76	996	41
C	Apr 2014	123	14	98	2	21	18	6034.32	1053	64
A	May 2014	176	20	141	3	31	17	6042.68	1142	115
L	Jun 2014	116	19	98	4	39	20	6045.77	1177	148
*	Jul 2014	14	2	35	4	44	29	6042.03	1135	64
	Aug 2014	23	1	44	3	51	40	6037.38	1085	40
	Sep 2014	25	0	40	2	29	34	6034.99	1060	34
	<b>WY 2014</b>	<b>691</b>	<b>62</b>	<b>632</b>	<b>23</b>	<b>224</b>	<b>258</b>			<b>706</b>
	Oct 2014	29	0	36	1	10	26	6034.77	1057	26
	Nov 2014	21	0	17	1	0	22	6034.19	1051	22
	Dec 2014	17	0	13	1	0	20	6033.47	1044	20
	Jan 2015	17	0	15	1	0	20	6032.91	1038	20
	Feb 2015	20	0	17	1	0	21	6032.48	1034	21
	Mar 2015	44	0	41	1	5	30	6032.90	1038	30
	Apr 2015	76	6	57	2	19	24	6034.10	1050	24
	May 2015	133	17	98	3	33	15	6038.57	1097	15
	Jun 2015	56	9	57	3	48	23	6036.88	1080	23
	Jul 2015	1	0	26	4	52	61	6028.00	989	61
	Aug 2015	8	0	29	3	44	53	6020.61	917	53
	Sep 2015	9	1	23	2	24	41	6015.81	873	41
	<b>WY 2015</b>	<b>430</b>	<b>33</b>	<b>429</b>	<b>22</b>	<b>237</b>	<b>357</b>			<b>357</b>
	Oct 2015	15	0	21	1	9	31	6013.50	853	31
	Nov 2015	20	0	14	1	0	21	6012.62	845	21
	Dec 2015	22	0	17	0	0	15	6012.77	846	15
	Jan 2016	21	0	17	0	0	15	6012.90	847	15
	Feb 2016	27	0	23	1	0	17	6013.49	853	17
	Mar 2016	80	1	73	1	5	19	6018.79	901	19
	Apr 2016	120	11	92	2	20	15	6024.63	956	15
	May 2016	221	26	164	3	33	15	6035.81	1068	15
	Jun 2016	142	20	115	4	49	18	6039.99	1113	18
	Jul 2016	23	3	43	4	52	33	6035.74	1067	33

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	273	401	47	801	0	801	3589.64	4917	10788	815
H	Sep 2013	857	802	44	600	0	600	3591.25	4928	10934	607
	<b>WY 2013</b>	<b>5117</b>	<b>5358</b>	<b>361</b>	<b>8154</b>	<b>78</b>	<b>8232</b>				<b>8264</b>
I	Oct 2013	549	475	30	481	0	481	3590.88	4926	10900	483
S	Nov 2013	476	435	29	553	143	696	3587.90	4904	10631	695
T	Dec 2013	295	291	23	601	0	601	3584.43	4880	10324	595
O	Jan 2014	270	271	7	800	0	800	3578.69	4840	9828	811
R	Feb 2014	330	321	7	599	0	599	3575.55	4819	9563	604
I	Mar 2014	509	444	12	504	0	504	3574.76	4813	9497	510
C	Apr 2014	964	774	19	502	0	502	3577.56	4832	9732	512
A	May 2014	2082	1632	24	493	0	493	3589.38	4915	10764	498
L	Jun 2014	3039	2676	42	598	0	598	3609.19	5066	12649	609
*	Jul 2014	838	730	53	800	0	800	3608.05	5056	12535	814
	Aug 2014	450	566	53	800	0	800	3605.37	5035	12270	819
	Sep 2014	350	462	48	606	0	606	3603.56	5021	12093	618
	<b>WY 2014</b>	<b>10152</b>	<b>9078</b>	<b>347</b>	<b>7337</b>	<b>143</b>	<b>7480</b>				<b>7568</b>
	Oct 2014	450	512	33	600	0	600	3602.40	5012	11981	606
	Nov 2014	479	522	32	600	0	600	3601.35	5004	11879	604
	Dec 2014	377	473	25	800	0	800	3597.93	4978	11553	809
	Jan 2015	373	451	8	800	0	800	3594.40	4952	11223	811
	Feb 2015	411	456	8	650	0	650	3592.37	4937	11037	660
	Mar 2015	624	586	14	650	0	650	3591.59	4931	10965	660
	Apr 2015	747	667	22	600	0	600	3592.05	4934	11007	607
	May 2015	1301	1124	26	650	0	650	3596.53	4967	11422	654
	Jun 2015	1219	1072	41	800	0	800	3598.80	4985	11636	801
	Jul 2015	125	259	48	1000	0	1000	3590.93	4926	10905	1006
	Aug 2015	97	264	46	1050	0	1050	3582.26	4864	10135	1064
	Sep 2015	298	429	40	800	0	800	3577.82	4834	9754	813
	<b>WY 2015</b>	<b>6500</b>	<b>6815</b>	<b>341</b>	<b>9000</b>	<b>0</b>	<b>9000</b>				<b>9094</b>
	Oct 2015	358	419	27	480	0	480	3576.85	4827	9672	487
	Nov 2015	424	432	27	500	0	500	3575.80	4820	9584	506
	Dec 2015	330	362	21	600	0	600	3572.91	4801	9344	609
	Jan 2016	329	357	6	800	0	800	3567.78	4768	8929	810
	Feb 2016	372	387	6	600	0	600	3565.22	4752	8726	612
	Mar 2016	585	480	11	600	0	600	3563.67	4742	8605	611
	Apr 2016	747	615	17	500	0	500	3564.82	4749	8695	507
	May 2016	1625	1359	21	600	0	600	3573.33	4804	9379	605
	Jun 2016	1654	1308	35	600	0	600	3580.72	4854	10002	601
	Jul 2016	404	443	43	800	0	800	3576.37	4824	9631	807

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	801	132	78	808	13.1	27	791	799	1106.13	12289
H	Sep 2013	600	155	64	599	10.1	16	590	804	1106.92	12362
	<b>WY 2013</b>	<b>8232</b>	<b>824</b>	<b>612</b>	<b>9043</b>		<b>224</b>	<b>8927</b>			
I	Oct 2013	481	38	47	733	11.9	19	718	786	1104.04	12099
S	Nov 2013	696	101	47	513	8.6	12	510	800	1106.36	12310
T	Dec 2013	601	43	40	558	9.1	9	556	802	1106.73	12344
O	Jan 2014	800	45	33	605	9.8	8	604	815	1108.75	12531
R	Feb 2014	599	76	31	717	12.9	8	716	810	1107.94	12456
I	Mar 2014	504	29	34	1090	17.7	13	1087	773	1101.71	11888
C	Apr 2014	502	17	41	1134	19.1	20	1130	731	1094.55	11254
A	May 2014	493	13	46	1086	17.7	30	1084	692	1087.46	10639
L	Jun 2014	598	12	54	959	16.1	29	803	665	1082.66	10233
*	Jul 2014	800	55	67	943	15.3	28	942	654	1080.60	10061
	Aug 2014	800	116	71	765	12.4	29	765	657	1081.18	10109
	Sep 2014	606	97	58	727	12.2	20	727	651	1080.03	10013
	<b>WY 2014</b>	<b>7480</b>	<b>640</b>	<b>567</b>	<b>9830</b>		<b>224</b>	<b>9642</b>			
	Oct 2014	600	37	42	543	8.8	22	543	653	1080.36	10041
	Nov 2014	600	28	42	639	10.7	13	639	649	1079.61	9978
	Dec 2014	800	58	37	556	9.0	6	556	664	1082.53	10221
	Jan 2015	800	72	30	626	10.2	7	626	677	1084.86	10418
	Feb 2015	650	70	28	699	12.6	8	699	676	1084.70	10404
	Mar 2015	650	67	31	1046	17.0	14	1046	653	1080.51	10054
	Apr 2015	600	49	38	1111	18.7	19	1111	622	1074.58	9567
	May 2015	650	27	43	1005	16.3	32	1005	597	1069.86	9189
	Jun 2015	800	5	51	921	15.5	30	921	585	1067.53	9005
	Jul 2015	1000	41	63	899	14.6	32	899	588	1068.09	9049
	Aug 2015	1050	96	67	830	13.5	28	830	602	1070.70	9256
	Sep 2015	800	85	56	745	12.5	19	745	606	1071.47	9317
	<b>WY 2015</b>	<b>9000</b>	<b>635</b>	<b>527</b>	<b>9619</b>		<b>231</b>	<b>9619</b>			
	Oct 2015	480	45	41	500	8.1	22	500	603	1071.04	9282
	Nov 2015	500	41	41	634	10.6	13	634	594	1069.31	9145
	Dec 2015	600	60	35	564	9.2	6	564	598	1069.96	9196
	Jan 2016	800	67	29	574	9.3	7	574	613	1072.97	9437
	Feb 2016	600	81	27	642	11.2	9	642	614	1073.02	9441
	Mar 2016	600	74	29	1002	16.3	14	1002	591	1068.65	9092
	Apr 2016	500	45	36	1082	18.2	20	1082	555	1061.49	8537
	May 2016	600	34	40	970	15.8	33	970	530	1056.40	8152
	Jun 2016	600	8	47	888	14.9	30	888	508	1051.85	7817
	Jul 2016	800	45	58	860	14.0	33	860	502	1050.48	7717

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	808	-16	23	749	0	749	12.2	644.35	1736
H	Sep 2013	599	-11	18	681	0	681	11.4	640.23	1624
	<b>WY 2013</b>	<b>9043</b>	<b>-158</b>	<b>198</b>	<b>8669</b>	<b>0</b>	<b>8669</b>			
I	Oct 2013	733	-13	15	768	0	768	12.5	637.86	1560
S	Nov 2013	513	4	11	531	0	531	8.9	636.95	1537
T	Dec 2013	558	-10	9	470	0	470	7.6	639.57	1606
O	Jan 2014	605	-7	10	552	0	552	9.0	640.94	1643
R	Feb 2014	717	-22	10	658	0	658	11.9	641.96	1670
I	Mar 2014	1090	-12	13	1074	0	1074	17.5	641.61	1661
C	Apr 2014	1134	-21	17	1054	0	1054	17.7	643.13	1702
A	May 2014	1086	-17	22	1023	0	1022	16.6	644.01	1726
L	Jun 2014	959	-19	25	947	0	947	15.9	642.83	1694
*	Jul 2014	943	-10	25	900	0	900	14.6	643.10	1701
	Aug 2014	765	-11	23	756	0	756	12.3	642.20	1677
	Sep 2014	727	-4	18	764	0	764	12.8	640.01	1617
	<b>WY 2014</b>	<b>9830</b>	<b>-142</b>	<b>198</b>	<b>9496</b>	<b>0</b>	<b>9496</b>			
	Oct 2014	543	-2	15	684	0	684	11.1	634.00	1460
	Nov 2014	639	-13	10	564	0	564	9.5	636.00	1512
	Dec 2014	556	-17	9	459	0	459	7.5	638.71	1583
	Jan 2015	626	-14	10	519	0	519	8.4	641.80	1666
	Feb 2015	699	-10	10	679	0	679	12.2	641.80	1666
	Mar 2015	1046	-15	13	983	0	983	16.0	643.05	1700
	Apr 2015	1111	-17	17	1078	0	1078	18.1	643.00	1699
	May 2015	1005	-13	22	970	0	970	15.8	643.00	1699
	Jun 2015	921	-14	25	909	0	909	15.3	642.00	1671
	Jul 2015	899	-10	25	877	0	877	14.3	641.50	1658
	Aug 2015	830	-11	23	797	0	797	13.0	641.50	1658
	Sep 2015	745	-4	18	763	0	763	12.8	640.01	1617
	<b>WY 2015</b>	<b>9619</b>	<b>-141</b>	<b>197</b>	<b>9281</b>	<b>0</b>	<b>9281</b>			
	Oct 2015	500	-2	15	666	0	666	10.8	633.00	1434
	Nov 2015	634	-13	10	559	0	559	9.4	635.00	1486
	Dec 2015	564	-17	9	441	0	441	7.2	638.71	1583
	Jan 2016	574	-14	10	467	0	467	7.6	641.80	1666
	Feb 2016	642	-10	10	622	0	622	10.8	641.80	1666
	Mar 2016	1002	-15	13	939	0	939	15.3	643.05	1700
	Apr 2016	1082	-17	17	1049	0	1049	17.6	643.00	1699
	May 2016	970	-13	22	936	0	936	15.2	643.00	1699
	Jun 2016	888	-14	25	876	0	876	14.7	642.00	1671
	Jul 2016	860	-10	25	838	0	838	13.6	641.50	1658

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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)
*	Aug 2013	749	37	17	552	9.0	99	95	449.22	604	109	1.8
H	Sep 2013	681	23	15	486	8.2	91	149	446.96	560	96	1.6
	<b>WY 2013</b>	<b>8669</b>	<b>246</b>	<b>141</b>	<b>6389</b>		<b>780</b>	<b>1521</b>			<b>1477</b>	
I	Oct 2013	768	19	12	467	7.6	99	186	447.91	578	70	1.1
S	Nov 2013	531	25	9	314	5.3	77	144	448.37	587	89	1.5
T	Dec 2013	470	7	7	285	4.6	100	138	445.37	531	99	1.6
O	Jan 2014	552	13	6	353	5.7	101	84	446.23	547	131	2.1
R	Feb 2014	658	20	8	450	8.1	48	130	448.13	582	162	2.9
I	Mar 2014	1074	-3	9	809	13.1	90	176	447.05	562	260	4.2
C	Apr 2014	1054	24	11	756	12.7	105	178	448.11	582	241	4.0
A	May 2014	1022	-3	13	694	11.3	110	184	448.48	589	115	1.9
L	Jun 2014	947	10	15	713	12.0	95	133	447.90	578	112	4.5
*	Jul 2014	900	17	17	685	11.1	105	93	448.27	585	118	1.9
	Aug 2014	756	27	17	558	9.1	108	93	448.00	580	100	1.6
	Sep 2014	764	25	15	543	9.1	105	126	447.50	571	89	1.5
	<b>WY 2014</b>	<b>9496</b>	<b>180</b>	<b>139</b>	<b>6627</b>		<b>1142</b>	<b>1665</b>			<b>1585</b>	
	Oct 2014	684	25	12	445	7.2	108	137	447.50	570	55	0.9
	Nov 2014	564	31	9	364	6.1	96	122	447.50	571	103	1.7
	Dec 2014	459	23	7	271	4.4	99	120	446.50	552	108	1.7
	Jan 2015	519	16	6	352	5.7	80	92	446.50	552	125	2.0
	Feb 2015	679	11	8	453	8.2	70	152	446.50	552	156	2.8
	Mar 2015	983	17	9	725	11.8	80	174	446.70	555	201	3.3
	Apr 2015	1078	21	11	798	13.4	77	167	448.70	593	212	3.6
	May 2015	970	21	13	713	11.6	80	173	448.70	593	111	1.8
	Jun 2015	909	17	16	698	11.7	77	122	448.70	593	109	1.8
	Jul 2015	877	29	17	722	11.7	80	87	448.00	580	111	1.8
	Aug 2015	797	27	17	638	10.4	80	86	447.50	571	105	1.7
	Sep 2015	763	25	15	567	9.5	77	120	447.50	570	102	1.7
	<b>WY 2015</b>	<b>9281</b>	<b>263</b>	<b>139</b>	<b>6746</b>		<b>1002</b>	<b>1552</b>			<b>1498</b>	
	Oct 2015	666	25	12	467	7.6	80	125	447.50	571	65	1.1
	Nov 2015	559	31	9	378	6.4	77	122	447.50	571	99	1.7
	Dec 2015	441	23	7	284	4.6	80	108	446.50	552	105	1.7
	Jan 2016	467	16	6	344	5.6	64	65	446.50	552	125	2.0
	Feb 2016	622	11	8	432	7.5	58	128	446.50	552	156	2.7
	Mar 2016	939	17	9	725	11.8	64	147	446.70	555	201	3.3
	Apr 2016	1049	21	11	809	13.6	61	144	448.70	593	212	3.6
	May 2016	936	21	13	722	11.7	64	146	448.70	593	111	1.8
	Jun 2016	876	17	16	705	11.8	61	99	448.70	593	109	1.8
	Jul 2016	838	29	17	726	11.8	64	60	448.00	580	111	1.8

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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
* Aug 2013	808	13.1	1106.13	12289	19	461.35	1737.0	325.9	100	403.4
H Sep 2013	599	10.1	1106.92	12362	73	464.61	1737.0	242.5	100	405.1
<b>WY 2013</b>	<b>9043</b>							<b>3770.1</b>		
I Oct 2013	733	11.9	1104.04	12099	-263	460.18	1332.0	300.5	77	410.1
S Nov 2013	513	8.6	1106.36	12310	212	465.65	1179.0	209.8	68	408.7
T Dec 2013	558	9.1	1106.73	12344	34	463.77	1188.0	230.3	68	412.8
O Jan 2014	605	9.8	1108.75	12531	186	465.47	746.0	250.9	43	414.5
R Feb 2014	717	12.9	1107.94	12456	-75	461.16	1415.0	298.2	81	415.9
I Mar 2014	1090	17.7	1101.71	11888	-567	457.72	1234.0	451.5	71	414.3
C Apr 2014	1134	19.1	1094.55	11254	-635	447.66	1146.0	459.8	68	405.6
A May 2014	1086	17.7	1087.46	10639	-615	440.39	1341.0	431.0	81	397.1
L Jun 2014	959	16.1	1082.66	10233	-406	437.98	1541.0	372.9	93	388.7
* Jul 2014	943	15.3	1080.60	10061	-172	434.94	1615.0	363.6	100	385.7
Aug 2014	765	12.4	1081.18	10109	49	428.30	1493.0	294.8	94	385.4
Sep 2014	727	12.2	1080.03	10013	-96	429.03	1471.0	280.0	94	385.2
<b>WY 2014</b>	<b>9830</b>							<b>3943.6</b>		
Oct 2014	543	8.8	1080.36	10041	28	432.91	1188.0	206.8	76	380.8
Nov 2014	639	10.7	1079.61	9978	-63	433.83	1259.0	245.9	80	384.8
Dec 2014	556	9.0	1082.53	10221	243	434.07	1168.0	213.3	74	383.3
Jan 2015	626	10.2	1084.86	10418	197	436.49	925.0	247.4	58	395.4
Feb 2015	699	12.6	1084.70	10404	-14	436.17	982.0	279.7	62	399.9
Mar 2015	1046	17.0	1080.51	10054	-351	432.54	1121.0	414.5	71	396.4
Apr 2015	1111	18.7	1074.58	9567	-487	426.67	1163.0	438.1	76	394.4
May 2015	1005	16.3	1069.86	9189	-378	420.71	1241.0	381.0	82	379.3
Jun 2015	921	15.5	1067.53	9005	-184	415.65	1498.0	344.8	100	374.5
Jul 2015	899	14.6	1068.09	9049	44	415.26	1501.0	333.8	100	371.5
Aug 2015	830	13.5	1070.70	9256	207	417.00	1516.0	313.7	100	378.0
Sep 2015	745	12.5	1071.47	9317	61	419.15	1525.0	280.7	100	376.9
<b>WY 2015</b>	<b>9619</b>							<b>3699.8</b>		
Oct 2015	500	8.1	1071.04	9282	-35	423.53	1226.0	190.2	80	380.8
Nov 2015	634	10.6	1069.31	9145	-137	424.49	1263.0	238.4	83	376.2
Dec 2015	564	9.2	1069.96	9196	51	422.23	1260.0	210.8	81	373.4
Jan 2016	574	9.3	1072.97	9437	241	424.32	908.4	218.5	58	380.7
Feb 2016	642	11.2	1073.02	9441	4	424.45	966.2	246.1	62	383.4
Mar 2016	1002	16.3	1068.65	9092	-349	420.85	1102.9	383.8	71	383.0
Apr 2016	1082	18.2	1061.49	8537	-556	414.28	1144.1	412.1	76	380.9
May 2016	970	15.8	1056.40	8152	-384	407.54	1221.3	359.8	82	370.8
Jun 2016	888	14.9	1051.85	7817	-335	401.23	1474.9	318.6	100	358.9
Jul 2016	860	14.0	1050.48	7717	-100	398.78	1479.8	310.9	100	361.5

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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
*	Aug 2013	749	12.2	644.35	1736	19	143.01	255.0	92.1	100	122.9
H	Sep 2013	681	11.4	640.23	1624	-112	138.83	255.0	89.1	100	130.8
<b>WY 2013</b>		<b>8669</b>							<b>1092.0</b>		
I	Oct 2013	768	12.5	637.86	1560	-63	136.18	196.4	94.7	77	123.3
S	Nov 2013	531	8.9	636.95	1537	-24	137.13	158.1	61.5	62	115.9
T	Dec 2013	470	7.6	639.57	1606	69	136.36	173.4	59.4	68	126.5
O	Jan 2014	552	9.0	640.94	1643	37	139.11	163.2	68.9	64	124.9
R	Feb 2014	658	11.9	641.96	1670	28	138.63	173.4	84.5	68	128.3
I	Mar 2014	1074	17.5	641.61	1661	-10	138.63	252.5	134.6	99	125.3
C	Apr 2014	1054	17.7	643.13	1702	42	141.55	255.0	132.2	100	125.4
A	May 2014	1023	16.6	644.01	1726	24	143.52	255.0	127.7	100	124.9
L	Jun 2014	947	15.9	642.83	1694	-32	141.57	255.0	119.3	100	126.0
*	Jul 2014	900	14.6	643.10	1701	7	143.48	244.8	112.8	96	125.4
	Aug 2014	756	12.3	642.20	1677	-24	135.74	252.5	95.1	99	125.8
	Sep 2014	764	12.8	640.01	1617	-59	134.05	255.0	94.9	100	124.3
<b>WY 2014</b>		<b>9496</b>							<b>1185.7</b>		
	Oct 2014	684	11.1	634.00	1460	-157	131.46	196.4	82.9	77	121.2
	Nov 2014	564	9.5	636.00	1512	52	130.66	158.1	67.7	62	120.0
	Dec 2014	459	7.5	638.71	1583	71	132.59	173.4	56.4	68	122.9
	Jan 2015	519	8.4	641.80	1666	83	135.97	163.2	64.9	64	125.1
	Feb 2015	679	12.2	641.80	1666	0	137.17	173.4	85.0	68	125.1
	Mar 2015	983	16.0	643.05	1700	34	135.44	255.0	122.3	100	124.5
	Apr 2015	1078	18.1	643.00	1699	-2	136.07	255.0	134.1	100	124.4
	May 2015	970	15.8	643.00	1699	0	136.04	255.0	121.3	100	125.0
	Jun 2015	909	15.3	642.00	1671	-27	135.51	255.0	113.3	100	124.7
	Jul 2015	877	14.3	641.50	1658	-14	134.73	255.0	109.0	100	124.4
	Aug 2015	797	13.0	641.50	1658	0	134.46	255.0	99.2	100	124.6
	Sep 2015	763	12.8	640.01	1617	-40	133.68	255.0	94.5	100	124.0
<b>WY 2015</b>		<b>9281</b>							<b>1150.8</b>		
	Oct 2015	666	10.8	633.00	1434	-183	130.93	196.4	80.4	77	120.8
	Nov 2015	559	9.4	635.00	1486	51	129.62	158.1	66.6	62	119.1
	Dec 2015	441	7.2	638.71	1583	97	132.06	173.4	54.1	68	122.6
	Jan 2016	467	7.6	641.80	1666	83	135.97	163.2	58.6	64	125.4
	Feb 2016	622	10.8	641.80	1666	0	137.17	173.4	78.1	68	125.6
	Mar 2016	939	15.3	643.05	1700	34	135.44	255.0	117.1	100	124.7
	Apr 2016	1049	17.6	643.00	1699	-2	136.07	255.0	130.6	100	124.5
	May 2016	936	15.2	643.00	1699	0	136.04	255.0	117.1	100	125.2
	Jun 2016	876	14.7	642.00	1671	-27	135.51	255.0	109.4	100	124.9
	Jul 2016	838	13.6	641.50	1658	-14	134.73	255.0	104.4	100	124.6

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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
*	Aug 2013	552	9.0	449.22	604	14	82.71	120.0	37.0	100	67.0
H	Sep 2013	486	8.2	446.96	560	-43	80.66	120.0	34.5	100	71.0
<b>WY 2013</b>		<b>6389</b>							<b>439.1</b>		
I	Oct 2013	467	7.6	447.91	578	18	83.28	96.0	31.7	80	67.9
S	Nov 2013	314	5.3	448.37	587	9	82.63	92.4	22.1	77	70.5
T	Dec 2013	285	4.6	445.37	531	-56	80.69	91.2	19.0	76	66.8
O	Jan 2014	353	5.7	446.23	547	16	80.02	90.0	24.2	75	68.4
R	Feb 2014	450	8.1	448.13	582	35	82.38	92.4	31.2	77	69.4
I	Mar 2014	809	13.1	447.05	562	-20	77.18	106.8	55.4	89	68.5
C	Apr 2014	756	12.7	448.11	582	20	80.82	120.0	52.3	100	69.1
A	May 2014	694	11.3	448.48	589	7	80.45	106.8	49.2	89	70.8
L	Jun 2014	713	12.0	447.90	578	-11	81.61	120.0	49.8	100	69.8
*	Jul 2014	685	11.1	448.27	585	7	82.46	120.0	47.9	100	70.0
	Aug 2014	558	9.1	448.00	580	-5	75.50	120.0	36.6	100	65.6
	Sep 2014	543	9.1	447.50	571	-9	75.13	120.0	35.5	100	65.3
<b>WY 2014</b>		<b>6626</b>							<b>454.8</b>		
	Oct 2014	445	7.2	447.50	570	0	75.69	102.0	29.0	85	65.2
	Nov 2014	364	6.1	447.50	571	0	75.69	102.0	23.5	85	64.6
	Dec 2014	271	4.4	446.50	552	-19	75.20	102.0	17.1	85	62.9
	Jan 2015	352	5.7	446.50	552	0	74.71	102.0	22.5	85	63.8
	Feb 2015	453	8.2	446.50	552	0	73.92	120.0	29.1	100	64.2
	Mar 2015	725	11.8	446.70	555	4	74.01	120.0	47.1	100	65.0
	Apr 2015	798	13.4	448.70	593	38	75.08	120.0	52.7	100	66.0
	May 2015	713	11.6	448.70	593	0	76.05	120.0	47.5	100	66.5
	Jun 2015	698	11.7	448.70	593	0	76.05	120.0	46.4	100	66.5
	Jul 2015	722	11.7	448.00	580	-13	75.71	120.0	47.8	100	66.3
	Aug 2015	638	10.4	447.50	571	-9	75.13	120.0	41.9	100	65.6
	Sep 2015	567	9.5	447.50	570	0	74.89	120.0	37.0	100	65.2
<b>WY 2015</b>		<b>6746</b>							<b>441.5</b>		
	Oct 2015	467	7.6	447.50	571	0	75.69	102.0	30.5	85	65.4
	Nov 2015	378	6.4	447.50	571	0	75.69	102.0	24.5	85	64.8
	Dec 2015	284	4.6	446.50	552	-19	75.20	102.0	18.0	85	63.2
	Jan 2016	344	5.6	446.50	552	0	74.71	102.0	21.9	85	63.7
	Feb 2016	432	7.5	446.50	552	0	73.92	120.0	27.6	100	64.0
	Mar 2016	725	11.8	446.70	555	4	74.01	120.0	47.1	100	65.0
	Apr 2016	809	13.6	448.70	593	38	75.08	120.0	53.4	100	66.0
	May 2016	722	11.7	448.70	593	0	76.05	120.0	48.1	100	66.5
	Jun 2016	705	11.8	448.70	593	0	76.05	120.0	46.9	100	66.6
	Jul 2016	726	11.8	448.00	580	-13	75.71	120.0	48.1	100	66.3

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 24-Month Study

Minimum 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
* Aug 2013	338	26	23	31	18	3
H Sep 2013	253	25	17	24	14	3
<b>Summer 2013</b>	<b>1789</b>	<b>173</b>	<b>108</b>	<b>153</b>	<b>90</b>	<b>19</b>
I Oct 2013	202	19	12	16	10	1
S Nov 2013	231	18	3	0	1	4
T Dec 2013	253	19	3	0	1	5
O Jan 2014	337	19	3	0	0	4
R Feb 2014	247	17	3	4	0	4
I Mar 2014	207	19	6	8	4	4
<b>Winter 2014</b>	<b>1477</b>	<b>110</b>	<b>30</b>	<b>28</b>	<b>17</b>	<b>22</b>
C Apr 2014	206	19	7	13	9	5
A May 2014	204	20	19	32	17	6
L Jun 2014	260	80	54	103	21	7
* Jul 2014	354	41	35	29	22	8
Aug 2014	321	37	30	36	18	10
Sep 2014	242	35	23	29	15	3
<b>Summer 2014</b>	<b>1586</b>	<b>233</b>	<b>168</b>	<b>242</b>	<b>102</b>	<b>39</b>
Oct 2014	239	37	17	21	11	7
Nov 2014	238	35	9	12	7	6
Dec 2014	316	36	18	23	12	6
Jan 2015	313	36	15	20	11	6
Feb 2015	254	33	10	14	8	5
Mar 2015	252	36	8	12	7	5
<b>Winter 2015</b>	<b>1613</b>	<b>214</b>	<b>76</b>	<b>101</b>	<b>56</b>	<b>35</b>
Apr 2015	232	35	8	14	9	4
May 2015	253	51	12	22	16	3
Jun 2015	313	34	17	23	14	4
Jul 2015	389	18	27	33	17	4
Aug 2015	401	18	29	35	19	4
Sep 2015	303	17	26	32	17	3
<b>Summer 2015</b>	<b>1892</b>	<b>173</b>	<b>118</b>	<b>160</b>	<b>92</b>	<b>23</b>
Oct 2015	180	18	17	21	12	4
Nov 2015	187	17	8	11	6	4
Dec 2015	223	18	13	16	8	4
Jan 2016	294	18	13	16	9	4
Feb 2016	219	17	12	15	8	3
Mar 2016	218	18	6	9	5	4
<b>Winter 2016</b>	<b>1102</b>	<b>88</b>	<b>62</b>	<b>80</b>	<b>43</b>	<b>20</b>
Apr 2016	181	24	10	16	9	4
May 2016	220	48	20	30	18	4
Jun 2016	224	17	17	24	14	5
Jul 2016	300	18	29	35	18	7

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2014 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>**** CREDITABLE SPACE ****</b>											
Aug 2014	454	167	561	11787	12969	17316	30286	454	167	561	1182	11787	17316	30286	1500	765	0	30.2	
Sep 2014	479	197	611	12052	13340	17268	30607	479	197	611	1288	12052	17268	30607	2270	727	0	29.7	
Oct 2014	528	228	636	12229	13621	17364	30985	528	228	636	1392	12229	17364	30985	3040	543	0	29.4	
Nov 2014	574	241	639	12341	13796	17336	31131	574	241	639	1454	12341	17336	31131	3810	639	0	29.3	
Dec 2014	624	236	645	12443	13947	17399	31346	624	236	645	1504	12443	17399	31346	4580	556	0	29.1	
Jan 2015	687	264	652	12769	14373	17156	31528	687	264	652	1604	12769	17156	31528	5350	626	0	29.0	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2015	687	264	652	12769	14373	17156	31528	45	176	116	337	12769	17156	30261	5350	626	0	29.0	
Feb 2015	743	287	658	13099	14786	16959	31745	98	198	122	418	13099	16959	30476	1500	699	0	28.7	
Mar 2015	782	295	662	13285	15024	16973	31997	135	206	125	466	13285	16973	30724	1500	1046	0	28.4	
Apr 2015	770	284	658	13357	15069	17323	32392	118	194	115	427	13357	17323	31108	1500	1111	0	28.0	
May 2015	757	253	646	13315	14970	17810	32781	100	159	81	340	13315	17810	31466	1500	1005	0	28.2	
Jun 2015	761	162	599	12900	14421	18188	32609	97	54	-1	149	12900	18188	31238	1500	921	0	28.4	
Jul 2015	688	81	616	12686	14071	18372	32444	13	-34	-35	-56	12686	18372	31003	1500	899	0	27.5	
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>											
Aug 2015	690	108	707	13417	14922	18328	33250	690	108	707	1505	13417	18328	33250	1500	830	0	26.8	
Sep 2015	726	152	779	14187	15844	18121	33965	726	152	779	1656	14187	18121	33965	2270	745	0	26.3	
Oct 2015	754	206	823	14568	16351	18060	34411	754	206	823	1783	14568	18060	34411	3040	500	0	25.9	
Nov 2015	774	231	843	14650	16498	18095	34593	774	231	843	1848	14650	18095	34593	3810	634	0	25.7	
Dec 2015	785	230	851	14738	16604	18232	34836	785	230	851	1866	14738	18232	34836	4580	564	0	25.6	
Jan 2016	809	248	850	14978	16884	18181	35065	809	248	850	1907	14978	18181	35065	5350	574	0	25.5	
<b>**** EFFECTIVE SPACE ****</b>								<b>**** EFFECTIVE SPACE ****</b>											
Jan 2016	809	248	850	14978	16884	18181	35065	303	182	395	880	14978	18181	34039	5350	574	0	25.5	
Feb 2016	826	268	849	15393	17335	17940	35275	317	201	394	912	15393	17940	34245	1500	642	0	25.2	
Mar 2016	836	286	843	15596	17561	17936	35497	325	219	387	931	15596	17936	34463	1500	1002	0	24.9	
Apr 2016	804	273	795	15717	17590	18285	35874	288	206	333	827	15717	18285	34829	1500	1082	0	24.6	
May 2016	780	249	740	15627	17397	18840	36237	258	178	257	692	15627	18840	35160	1500	970	0	25.1	
Jun 2016	756	178	628	14943	16505	19225	35730	226	90	108	424	14943	19225	34592	1500	888	0	25.7	
Jul 2016	601	70	583	14320	15574	19560	35134	57	-32	11	36	14320	19560	33916	1500	860	0	25.1	

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