

To: All Annual Operating Plan Recipients

From: Lower Colorado Region  
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In addition to the August 2012 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/2012/August-Chart.pdf>.

Consistent with the Interim Guidelines, the Probable Minimum 24-Month Study results in a projected annual release volume from Glen Canyon Dam of 9.46 million acre-feet (maf) in water year 2012 and 8.23 maf in water year 2013.

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

The August 2012 Most Probable 24-Month Study is available for download at <http://www.usbr.gov/lc/region/g4000/24mo/2012/AUG12.pdf>.

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	118	2	88	1	89	6502.38	317
H	Sep 2011	49	2	66	0	66	6499.90	298
	<b>WY 2011</b>	<b>1581</b>	<b>14</b>	<b>801</b>	<b>747</b>	<b>1549</b>		
I	Oct 2011	50	1	56	18	74	6496.55	273
S	Nov 2011	46	1	22	49	71	6492.84	247
T	Dec 2011	35	1	74	0	74	6486.86	207
O	Jan 2012	32	1	74	0	74	6479.61	165
R	Feb 2012	30	0	69	0	69	6471.56	126
I	Mar 2012	64	0	67	0	67	6470.82	123
C	Apr 2012	98	1	60	0	60	6478.72	160
A	May 2012	130	1	61	0	62	6489.92	227
L	Jun 2012	189	2	83	16	99	6502.11	315
*	Jul 2012	92	3	72	3	75	6503.94	329
	Aug 2012	45	2	65	0	65	6501.04	307
	Sep 2012	35	2	58	0	58	6497.72	282
	<b>WY 2012</b>	<b>846</b>	<b>15</b>	<b>760</b>	<b>87</b>	<b>846</b>		
	Oct 2012	35	1	60	0	60	6494.08	256
	Nov 2012	33	1	54	0	54	6490.94	234
	Dec 2012	29	1	55	0	55	6486.73	207
	Jan 2013	26	1	55	0	55	6481.74	177
	Feb 2013	24	1	50	0	50	6476.72	150
	Mar 2013	43	0	53	0	53	6474.51	139
	Apr 2013	57	1	48	0	48	6476.32	148
	May 2013	75	1	49	0	49	6480.99	172
	Jun 2013	121	2	48	0	48	6492.33	244
	Jul 2013	52	2	49	0	49	6492.37	244
	Aug 2013	27	2	49	0	49	6488.67	220
	Sep 2013	25	2	45	0	45	6485.39	198
	<b>WY 2013</b>	<b>545</b>	<b>14</b>	<b>615</b>	<b>0</b>	<b>615</b>		
	Oct 2013	30	1	46	0	46	6482.52	181
	Nov 2013	35	1	45	0	45	6480.71	171
	Dec 2013	30	1	46	0	46	6477.63	154
	Jan 2014	28	0	46	0	46	6473.87	136
	Feb 2014	26	0	42	0	42	6470.30	120
	Mar 2014	47	0	46	0	46	6470.52	121
	Apr 2014	65	1	51	0	51	6473.61	135
	May 2014	116	1	55	0	55	6484.83	195
	Jun 2014	180	2	80	0	80	6499.10	292
	Jul 2014	99	3	68	0	68	6502.82	321

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	144	115	13	148	0	148	142	6034.95	3544	246
H	Sep 2011	58	76	11	144	0	144	139	6033.03	3467	200
	<b>WY 2011</b>	<b>2414</b>	<b>2381</b>	<b>80</b>	<b>1661</b>	<b>314</b>	<b>1975</b>				<b>5234</b>
I	Oct 2011	74	97	7	120	0	121	138	6032.27	3437	187
S	Nov 2011	64	89	4	88	0	88	138	6032.21	3435	144
T	Dec 2011	38	77	2	108	0	108	137	6031.41	3404	146
O	Jan 2012	45	87	2	148	0	148	134	6029.85	3343	187
R	Feb 2012	47	86	2	140	0	140	132	6028.43	3289	186
I	Mar 2012	104	107	3	162	0	162	130	6026.95	3233	285
C	Apr 2012	136	98	5	122	0	122	129	6026.21	3205	331
A	May 2012	153	85	8	159	19	178	125	6023.57	3108	385
L	Jun 2012	188	98	10	87	0	87	125	6023.59	3108	156
*	Jul 2012	93	76	12	84	0	84	124	6023.04	3088	101
	Aug 2012	50	70	12	80	0	80	123	6022.46	3068	80
	Sep 2012	38	61	11	72	0	72	123	6021.90	3047	72
	<b>WY 2012</b>	<b>1030</b>	<b>1031</b>	<b>78</b>	<b>1369</b>	<b>20</b>	<b>1389</b>				<b>2260</b>
	Oct 2012	40	65	7	52	0	52	123	6022.06	3053	52
	Nov 2012	40	61	3	48	0	48	123	6022.34	3063	48
	Dec 2012	30	57	2	49	0	49	123	6022.51	3069	49
	Jan 2013	37	67	2	49	0	49	124	6022.93	3084	49
	Feb 2013	43	69	2	44	0	44	125	6023.52	3106	44
	Mar 2013	93	104	3	49	0	49	127	6024.87	3155	49
	Apr 2013	91	82	5	48	0	48	128	6025.64	3184	48
	May 2013	114	88	8	95	0	95	127	6025.25	3169	95
	Jun 2013	140	67	10	97	0	97	126	6024.20	3131	97
	Jul 2013	50	47	13	49	0	49	125	6023.80	3116	49
	Aug 2013	21	44	12	49	0	49	125	6023.34	3099	49
	Sep 2013	25	45	11	48	0	48	124	6022.98	3086	48
	<b>WY 2013</b>	<b>725</b>	<b>795</b>	<b>77</b>	<b>677</b>	<b>0</b>	<b>677</b>				<b>677</b>
	Oct 2013	33	49	7	49	0	49	124	6022.78	3079	49
	Nov 2013	38	48	3	48	0	48	124	6022.70	3076	48
	Dec 2013	28	44	2	49	0	49	123	6022.50	3069	49
	Jan 2014	35	53	2	49	0	49	124	6022.54	3070	49
	Feb 2014	39	54	2	44	0	44	124	6022.75	3078	44
	Mar 2014	86	85	3	49	0	49	125	6023.61	3109	49
	Apr 2014	97	82	5	48	0	48	126	6024.40	3138	48
	May 2014	163	102	8	103	0	103	126	6024.18	3130	103
	Jun 2014	217	117	10	124	0	124	125	6023.75	3114	124
	Jul 2014	106	75	13	89	0	89	124	6023.04	3088	89

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	12	24	9318.44	84
H	Sep 2011	7	20	9310.68	71
	<b>WY 2011</b>	<b>179</b>	<b>181</b>		
I	Oct 2011	7	9	9309.52	69
S	Nov 2011	5	6	9309.15	69
T	Dec 2011	4	6	9307.93	67
O	Jan 2012	4	5	9307.37	66
R	Feb 2012	4	4	9307.22	66
I	Mar 2012	6	4	9308.28	67
C	Apr 2012	10	4	9311.81	73
A	May 2012	16	8	9316.40	81
L	Jun 2012	9	15	9312.87	75
*	Jul 2012	6	14	9307.53	66
	Aug 2012	5	18	9298.04	53
	Sep 2012	4	12	9291.53	45
	<b>WY 2012</b>	<b>79</b>	<b>106</b>		
	Oct 2012	4	6	9289.75	43
	Nov 2012	3	5	9288.69	41
	Dec 2012	3	5	9287.37	40
	Jan 2013	3	5	9285.88	38
	Feb 2013	3	5	9284.34	37
	Mar 2013	3	5	9283.24	36
	Apr 2013	6	5	9284.30	37
	May 2013	16	8	9292.03	45
	Jun 2013	19	16	9294.22	48
	Jul 2013	7	18	9284.26	37
	Aug 2013	5	20	9266.16	22
	Sep 2013	5	12	9253.47	15
	<b>WY 2013</b>	<b>77</b>	<b>107</b>		
	Oct 2013	5	6	9250.87	13
	Nov 2013	4	5	9250.13	13
	Dec 2013	4	5	9249.18	12
	Jan 2014	4	5	9248.31	12
	Feb 2014	4	5	9246.37	11
	Mar 2014	4	5	9245.55	11
	Apr 2014	8	5	9252.35	14
	May 2014	23	8	9275.84	29
	Jun 2014	31	16	9290.90	44
	Jul 2014	11	20	9281.95	35

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	67	79	1	123	0	123	7511.67	760
H	Sep 2011	35	48	1	108	0	108	7504.54	699
	<b>WY 2011</b>	<b>1162</b>	<b>1163</b>	<b>8</b>	<b>1046</b>	<b>19</b>	<b>1065</b>		
I	Oct 2011	36	38	1	93	0	93	7497.84	644
S	Nov 2011	29	29	0	37	0	37	7496.82	635
T	Dec 2011	24	26	0	87	0	87	7489.07	574
O	Jan 2012	22	23	0	52	0	52	7485.29	545
R	Feb 2012	21	22	0	34	0	34	7483.66	533
I	Mar 2012	40	39	0	32	0	32	7484.49	539
C	Apr 2012	57	51	1	58	0	58	7483.54	532
A	May 2012	74	66	1	71	0	71	7482.82	527
L	Jun 2012	45	50	1	93	0	93	7476.82	483
*	Jul 2012	30	39	1	90	0	90	7469.29	431
	Aug 2012	25	39	1	97	0	97	7460.07	372
	Sep 2012	20	28	1	79	0	79	7451.32	320
	<b>WY 2012</b>	<b>424</b>	<b>451</b>	<b>7</b>	<b>822</b>	<b>0</b>	<b>822</b>		
	Oct 2012	22	24	0	42	0	42	7448.02	302
	Nov 2012	23	24	0	15	0	15	7449.63	310
	Dec 2012	19	21	0	15	0	15	7450.66	316
	Jan 2013	19	21	0	17	0	17	7451.33	320
	Feb 2013	18	19	0	14	0	14	7452.22	325
	Mar 2013	26	27	0	19	0	19	7453.52	333
	Apr 2013	41	40	1	36	0	36	7454.13	336
	May 2013	97	88	1	60	0	60	7458.75	364
	Jun 2013	94	92	1	69	0	69	7462.27	385
	Jul 2013	35	46	1	92	0	92	7454.52	338
	Aug 2013	27	41	1	98	0	98	7444.18	281
	Sep 2013	19	26	1	85	0	85	7432.14	222
	<b>WY 2013</b>	<b>440</b>	<b>470</b>	<b>6</b>	<b>562</b>	<b>0</b>	<b>562</b>		
	Oct 2013	25	26	0	45	0	45	7427.91	203
	Nov 2013	26	26	0	15	0	15	7430.43	214
	Dec 2013	25	25	0	15	0	15	7432.61	224
	Jan 2014	24	25	0	16	0	16	7434.50	233
	Feb 2014	22	23	0	14	0	14	7436.43	242
	Mar 2014	34	35	0	18	0	18	7439.85	259
	Apr 2014	63	60	0	32	0	32	7445.28	287
	May 2014	156	140	1	71	0	71	7457.40	355
	Jun 2014	177	163	1	52	0	52	7474.23	465
	Jul 2014	62	71	1	94	0	94	7470.75	441

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	68	123	1	125	124	0	124	7155.77	114
H	Sep 2011	36	108	1	109	115	0	115	7148.00	108
	<b>WY 2011</b>	<b>1236</b>	<b>1065</b>	<b>74</b>	<b>1139</b>	<b>1133</b>	<b>0</b>	<b>1139</b>		
I	Oct 2011	37	93	1	94	91	0	91	7151.08	110
S	Nov 2011	30	37	2	39	38	0	38	7151.73	110
T	Dec 2011	25	87	0	88	85	0	85	7154.97	113
O	Jan 2012	23	52	1	53	52	0	52	7155.61	113
R	Feb 2012	22	34	1	35	35	0	35	7155.27	113
I	Mar 2012	43	32	2	35	34	0	34	7156.25	114
C	Apr 2012	63	58	6	64	63	0	63	7157.05	115
A	May 2012	80	71	6	76	79	0	79	7154.07	112
L	Jun 2012	45	93	1	93	93	0	93	7154.59	113
*	Jul 2012	31	90	0	90	89	0	89	7155.86	114
	Aug 2012	26	97	1	98	100	0	100	7153.73	112
	Sep 2012	22	79	2	81	81	0	81	7153.73	112
	<b>WY 2012</b>	<b>447</b>	<b>822</b>	<b>23</b>	<b>845</b>	<b>840</b>	<b>0</b>	<b>840</b>		
	Oct 2012	24	42	2	44	44	0	44	7153.73	112
	Nov 2012	26	15	3	18	18	0	18	7153.73	112
	Dec 2012	22	15	3	18	18	0	18	7153.73	112
	Jan 2013	22	17	3	20	20	0	20	7153.73	112
	Feb 2013	21	14	3	17	17	0	17	7153.73	112
	Mar 2013	31	19	5	24	24	0	24	7153.73	112
	Apr 2013	51	36	10	46	46	0	46	7153.73	112
	May 2013	116	60	19	79	79	0	79	7153.73	112
	Jun 2013	105	69	11	80	80	0	80	7153.73	112
	Jul 2013	40	92	5	97	97	0	97	7153.73	112
	Aug 2013	30	98	3	101	101	0	101	7153.73	112
	Sep 2013	22	85	3	88	88	0	88	7153.73	112
	<b>WY 2013</b>	<b>510</b>	<b>562</b>	<b>70</b>	<b>632</b>	<b>632</b>	<b>0</b>	<b>632</b>		
	Oct 2013	28	45	3	48	48	0	48	7153.73	112
	Nov 2013	28	15	2	17	17	0	17	7153.73	112
	Dec 2013	27	15	2	17	17	0	17	7153.73	112
	Jan 2014	26	16	2	18	18	0	18	7153.73	112
	Feb 2014	24	14	2	16	16	0	16	7153.73	112
	Mar 2014	38	18	4	21	21	0	21	7153.73	112
	Apr 2014	72	32	9	41	41	0	41	7153.73	112
	May 2014	171	71	16	87	87	0	87	7153.73	112
	Jun 2014	187	52	10	62	62	0	62	7153.73	112
	Jul 2014	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 2012 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 2011	75	124	7	131	126	2	129	6748.39	16	66	70
H	Sep 2011	39	115	4	119	120	0	120	6744.21	14	64	62
	<b>WY 2011</b>	<b>1375</b>	<b>1139</b>	<b>139</b>	<b>1278</b>	<b>1008</b>	<b>235</b>	<b>1279</b>			<b>413</b>	<b>912</b>
I	Oct 2011	41	91	4	96	94	0	94	6749.65	16	53	44
S	Nov 2011	34	38	4	42	41	1	41	6751.53	17	1	41
T	Dec 2011	28	85	3	88	89	0	89	6750.95	16	1	90
O	Jan 2012	27	52	3	56	53	3	56	6751.28	16	1	57
R	Feb 2012	26	35	3	38	15	23	38	6751.90	17	1	40
I	Mar 2012	49	34	6	40	40	0	40	6751.80	17	6	36
C	Apr 2012	71	63	8	71	71	0	71	6752.10	17	50	23
A	May 2012	86	79	6	84	86	0	86	6745.87	15	65	23
L	Jun 2012	49	93	3	96	97	0	97	6744.24	14	63	36
*	Jul 2012	35	89	4	93	93	0	93	6745.39	15	62	35
	Aug 2012	30	100	4	104	101	0	101	6753.04	17	65	36
	Sep 2012	26	81	4	85	85	0	85	6753.04	17	55	30
	<b>WY 2012</b>	<b>500</b>	<b>840</b>	<b>53</b>	<b>893</b>	<b>864</b>	<b>26</b>	<b>891</b>			<b>420</b>	<b>491</b>
	Oct 2012	29	44	5	49	49	0	49	6753.04	17	30	19
	Nov 2012	29	18	2	21	21	0	21	6753.04	17	0	21
	Dec 2012	25	18	2	20	20	0	20	6753.04	17	0	20
	Jan 2013	25	20	2	22	22	0	22	6753.04	17	0	22
	Feb 2013	23	17	2	19	19	0	19	6753.04	17	0	19
	Mar 2013	33	24	3	27	27	0	27	6753.04	17	5	22
	Apr 2013	56	46	5	51	51	0	51	6753.04	17	30	21
	May 2013	124	79	9	88	88	0	88	6753.04	17	55	33
	Jun 2013	106	80	1	81	81	0	81	6753.04	17	60	21
	Jul 2013	42	97	2	99	99	0	99	6753.04	17	65	34
	Aug 2013	33	101	3	105	105	0	105	6753.04	17	65	40
	Sep 2013	25	88	3	91	91	0	91	6753.04	17	55	36
	<b>WY 2013</b>	<b>550</b>	<b>632</b>	<b>40</b>	<b>672</b>	<b>672</b>	<b>0</b>	<b>672</b>			<b>365</b>	<b>307</b>
	Oct 2013	32	48	4	51	51	0	51	6753.04	17	30	21
	Nov 2013	32	17	4	21	21	0	21	6753.04	17	0	21
	Dec 2013	31	17	4	22	22	0	22	6753.04	17	0	22
	Jan 2014	30	18	4	21	21	0	21	6753.04	17	0	21
	Feb 2014	28	16	4	19	19	0	19	6753.04	17	0	19
	Mar 2014	43	21	6	27	27	0	27	6753.04	17	5	22
	Apr 2014	83	41	10	51	51	0	51	6753.04	17	30	21
	May 2014	193	87	21	108	108	0	108	6753.04	17	55	53
	Jun 2014	206	62	19	81	81	0	81	6753.04	17	60	21
	Jul 2014	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 2012 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 2011	9	37	7647.29	81
H	Sep 2011	8	29	7637.58	59
	<b>WY 2011</b>	<b>225</b>	<b>222</b>		
I	Oct 2011	15	9	7640.42	65
S	Nov 2011	9	2	7643.33	72
T	Dec 2011	5	2	7644.76	75
O	Jan 2012	5	3	7645.42	76
R	Feb 2012	4	4	7645.50	76
I	Mar 2012	12	4	7648.84	84
C	Apr 2012	36	3	7661.80	117
A	May 2012	42	35	7664.36	124
L	Jun 2012	17	36	7656.80	104
*	Jul 2012	11	35	7647.02	80
	Aug 2012	10	30	7637.66	59
	Sep 2012	11	16	7635.00	54
	<b>WY 2012</b>	<b>177</b>	<b>179</b>		
	Oct 2012	9	6	7636.53	57
	Nov 2012	5	1	7638.23	61
	Dec 2012	4	2	7639.56	63
	Jan 2013	4	2	7640.76	66
	Feb 2013	4	1	7641.73	68
	Mar 2013	5	2	7643.08	71
	Apr 2013	13	2	7647.69	81
	May 2013	42	28	7653.38	95
	Jun 2013	25	41	7646.55	79
	Jul 2013	9	38	7632.45	49
	Aug 2013	10	34	7616.65	25
	Sep 2013	9	24	7600.25	9
	<b>WY 2013</b>	<b>139</b>	<b>181</b>		
	Oct 2013	8	12	7594.54	6
	Nov 2013	7	1	7602.45	11
	Dec 2013	6	2	7608.24	16
	Jan 2014	6	2	7612.25	20
	Feb 2014	5	1	7615.40	23
	Mar 2014	8	2	7620.09	29
	Apr 2014	19	1	7630.74	46
	May 2014	62	31	7645.61	77
	Jun 2014	49	43	7648.24	83
	Jul 2014	18	42	7637.30	59

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



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	3	2	29	4	47	46	6060.64	1356	47
H	Sep 2011	15	2	35	3	20	40	6058.35	1327	53
	<b>WY 2011</b>	<b>737</b>	<b>93</b>	<b>641</b>	<b>28</b>	<b>220</b>	<b>478</b>			<b>891</b>
I	Oct 2011	54	4	44	2	10	33	6058.32	1327	55
S	Nov 2011	31	1	23	1	0	21	6058.38	1327	47
T	Dec 2011	19	0	16	1	1	31	6057.10	1311	54
O	Jan 2012	18	0	16	1	1	30	6055.85	1296	50
R	Feb 2012	19	0	18	1	1	28	6054.95	1285	46
I	Mar 2012	74	7	61	2	6	31	6056.81	1308	70
C	Apr 2012	149	18	98	2	27	30	6059.88	1346	96
A	May 2012	131	17	105	4	34	110	6056.40	1303	176
L	Jun 2012	20	4	35	4	46	42	6051.70	1246	57
*	Jul 2012	10	1	33	4	44	52	6045.91	1178	60
	Aug 2012	12	0	32	3	45	77	6037.39	1085	77
	Sep 2012	23	0	28	2	26	54	6032.21	1031	54
	<b>WY 2012</b>	<b>559</b>	<b>53</b>	<b>508</b>	<b>26</b>	<b>240</b>	<b>539</b>			<b>841</b>
	Oct 2012	28	0	25	1	7	29	6031.01	1019	29
	Nov 2012	23	0	19	1	0	21	6030.76	1016	21
	Dec 2012	18	0	15	1	0	22	6030.07	1009	22
	Jan 2013	19	0	16	1	0	30	6028.69	995	30
	Feb 2013	21	0	19	1	0	22	6028.28	991	22
	Mar 2013	48	1	44	1	2	22	6030.14	1010	22
	Apr 2013	82	10	60	2	18	21	6032.11	1030	21
	May 2013	144	26	104	3	33	22	6036.59	1076	22
	Jun 2013	60	16	60	3	48	21	6035.34	1063	21
	Jul 2013	1	2	28	3	53	64	6026.21	971	64
	Aug 2013	8	0	32	3	46	76	6016.38	879	76
	Sep 2013	9	0	25	2	26	55	6009.88	821	55
	<b>WY 2013</b>	<b>460</b>	<b>55</b>	<b>447</b>	<b>21</b>	<b>232</b>	<b>403</b>			<b>403</b>
	Oct 2013	15	0	19	1	7	33	6007.34	799	33
	Nov 2013	20	0	15	1	0	23	6006.33	791	23
	Dec 2013	22	0	17	0	0	22	6005.77	786	22
	Jan 2014	21	0	17	0	0	22	6005.19	781	22
	Feb 2014	27	0	23	1	0	19	6005.58	784	19
	Mar 2014	80	1	73	1	2	22	6011.27	833	22
	Apr 2014	120	10	92	2	18	21	6017.07	885	21
	May 2014	221	26	165	3	33	22	6028.36	992	22
	Jun 2014	142	16	119	3	49	21	6032.87	1038	21
	Jul 2014	23	2	45	4	54	26	6029.00	999	26

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 (1000 Ac-Ft)
*	Aug 2011	664	780	74	1479	0	1479	3655.34	5485	17890	1501
H	Sep 2011	456	669	67	922	0	922	3653.01	5461	17593	957
	<b>WY 2011</b>	<b>15971</b>	<b>15498</b>	<b>467</b>	<b>12518</b>	<b>0</b>	<b>12518</b>				<b>12731</b>
I	Oct 2011	513	630	45	956	0	956	3650.27	5434	17249	979
S	Nov 2011	506	530	43	1099	0	1099	3645.67	5388	16683	1104
T	Dec 2011	363	490	33	1223	0	1223	3639.75	5332	15974	1226
O	Jan 2012	356	503	10	852	0	852	3636.91	5305	15641	846
R	Feb 2012	342	460	11	653	0	653	3635.28	5290	15453	654
I	Mar 2012	560	625	19	600	0	600	3635.33	5290	15458	607
C	Apr 2012	764	689	29	606	0	606	3635.76	5294	15508	612
A	May 2012	792	770	35	601	0	601	3636.83	5304	15632	606
L	Jun 2012	353	398	54	709	0	709	3633.90	5277	15294	712
*	Jul 2012	154	285	62	886	0	886	3628.45	5228	14680	892
	Aug 2012	200	412	60	802	0	802	3624.65	5195	14263	802
	Sep 2012	250	399	55	476	0	476	3623.53	5185	14141	476
	<b>WY 2012</b>	<b>5153</b>	<b>6190</b>	<b>456</b>	<b>9463</b>	<b>0</b>	<b>9463</b>				<b>9517</b>
	Oct 2012	350	390	38	491	0	491	3622.34	5175	14012	491
	Nov 2012	368	366	36	600	0	600	3619.99	5155	13762	600
	Dec 2012	290	307	28	800	0	800	3615.39	5116	13280	800
	Jan 2013	287	307	9	800	0	800	3610.85	5079	12816	800
	Feb 2013	316	315	9	675	0	675	3607.44	5052	12474	675
	Mar 2013	479	405	15	600	0	600	3605.47	5036	12280	600
	Apr 2013	574	492	24	600	0	600	3604.23	5026	12158	600
	May 2013	1000	882	28	600	0	600	3606.62	5045	12393	600
	Jun 2013	937	894	44	800	0	800	3607.09	5049	12440	800
	Jul 2013	96	270	52	840	0	840	3601.20	5003	11865	840
	Aug 2013	74	287	50	824	0	824	3595.46	4959	11322	824
	Sep 2013	229	389	45	600	0	600	3592.90	4940	11085	600
	<b>WY 2013</b>	<b>5000</b>	<b>5305</b>	<b>375</b>	<b>8230</b>	<b>0</b>	<b>8230</b>				<b>8230</b>
	Oct 2013	302	362	30	600	0	600	3590.18	4921	10837	600
	Nov 2013	390	392	29	600	0	600	3587.74	4903	10617	600
	Dec 2013	330	341	23	800	0	800	3582.68	4867	10171	800
	Jan 2014	329	335	7	800	0	800	3577.59	4832	9735	800
	Feb 2014	372	362	7	600	0	600	3574.88	4814	9507	600
	Mar 2014	585	476	12	600	0	600	3573.36	4804	9382	600
	Apr 2014	747	595	19	600	0	600	3573.10	4802	9360	600
	May 2014	1625	1339	23	600	0	600	3580.97	4856	10023	600
	Jun 2014	1654	1381	37	650	0	650	3588.28	4907	10665	650
	Jul 2014	404	478	45	890	0	890	3583.49	4873	10241	890

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 24-Month Study

Minimum Probable Inflow\*

### Hoover Dam - Lake Mead



	Date	Glen Release (1000 Ac-Ft)	Side Inflow (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 2011	1479	96	80	831	13.5	28	829	827	1113.45	12730
H	Sep 2011	922	96	67	670	11.3	18	668	844	1116.04	12977
	<b>WY 2011</b>	<b>12518</b>	<b>1157</b>	<b>578</b>	<b>9799</b>		<b>225</b>	<b>9676</b>			
I	Oct 2011	956	66	49	443	7.2	20	436	875	1121.00	13456
S	Nov 2011	1099	36	50	564	9.5	13	561	906	1125.82	13933
T	Dec 2011	1223	84	45	497	8.1	9	482	952	1132.83	14644
O	Jan 2012	852	55	37	713	11.6	9	712	976	1134.18	15022
R	Feb 2012	653	44	34	775	13.5	10	775	969	1133.06	14907
I	Mar 2012	600	43	38	986	16.0	16	985	945	1129.41	14535
C	Apr 2012	606	46	46	1170	19.7	20	1163	909	1123.93	13986
A	May 2012	601	16	52	1008	16.4	30	1007	880	1119.38	13541
L	Jun 2012	709	8	62	989	16.6	29	989	858	1115.84	13200
*	Jul 2012	886	70	77	841	13.7	29	819	858	1115.92	13207
	Aug 2012	802	103	82	759	12.3	28	759	861	1116.28	13242
	Sep 2012	476	74	67	718	12.1	18	718	845	1113.80	13005
	<b>WY 2012</b>	<b>9463</b>	<b>645</b>	<b>638</b>	<b>9464</b>		<b>232</b>	<b>9405</b>			
	Oct 2012	491	26	49	324	5.3	21	324	853	1115.02	13122
	Nov 2012	600	22	49	529	8.9	18	529	854	1115.27	13145
	Dec 2012	800	56	42	501	8.2	15	501	873	1118.17	13424
	Jan 2013	800	50	35	671	10.9	16	671	880	1119.41	13544
	Feb 2013	675	73	32	677	12.2	15	677	882	1119.64	13567
	Mar 2013	600	52	36	1031	16.8	21	1031	855	1115.40	13158
	Apr 2013	600	29	43	1105	18.6	17	1105	823	1110.08	12655
	May 2013	600	30	49	988	16.1	27	988	796	1105.66	12246
	Jun 2013	800	10	58	932	15.7	23	932	784	1103.56	12055
	Jul 2013	840	32	72	928	15.1	25	928	774	1101.97	11912
	Aug 2013	824	74	76	836	13.6	27	836	772	1101.53	11873
	Sep 2013	600	58	63	655	11.0	19	655	767	1100.71	11799
	<b>WY 2013</b>	<b>8230</b>	<b>512</b>	<b>604</b>	<b>9177</b>		<b>245</b>	<b>9177</b>			
	Oct 2013	600	32	46	433	7.0	23	433	775	1102.07	11921
	Nov 2013	600	36	46	523	8.8	22	523	778	1102.53	11962
	Dec 2013	800	62	40	454	7.4	17	454	799	1106.16	12292
	Jan 2014	800	63	33	674	11.0	20	674	807	1107.55	12420
	Feb 2014	600	82	30	680	12.2	18	680	805	1107.08	12377
	Mar 2014	600	62	34	1034	16.8	24	1034	778	1102.65	11973
	Apr 2014	600	36	41	1109	18.6	20	1109	746	1097.02	11471
	May 2014	600	49	46	992	16.1	31	992	720	1092.53	11076
	Jun 2014	650	11	55	936	15.7	26	936	698	1088.66	10742
	Jul 2014	890	38	68	932	15.2	28	932	692	1087.55	10647

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	831	-6	23	822	0	822	13.4	642.38	1682
H	Sep 2011	670	-6	18	717	0	717	12.1	639.73	1610
	<b>WY 2011</b>	<b>9799</b>	<b>-120</b>	<b>198</b>	<b>9446</b>	<b>0</b>	<b>9446</b>			
I	Oct 2011	443	7	15	611	0	611	9.9	633.03	1435
S	Nov 2011	564	-11	10	466	0	466	7.8	635.99	1511
T	Dec 2011	497	-28	9	385	0	385	6.3	638.82	1586
O	Jan 2012	713	-23	10	638	0	638	10.4	640.38	1628
R	Feb 2012	775	-18	10	726	0	726	12.6	641.20	1650
I	Mar 2012	986	-23	13	931	0	931	15.1	641.93	1670
C	Apr 2012	1170	-24	17	1091	0	1091	18.3	643.35	1708
A	May 2012	1008	-14	22	980	0	980	15.9	643.06	1700
L	Jun 2012	989	-19	25	952	0	952	16.0	642.80	1693
*	Jul 2012	841	-9	25	805	0	805	13.1	642.89	1696
	Aug 2012	759	-7	23	747	0	747	12.2	642.20	1677
	Sep 2012	718	0	18	772	0	772	13.0	639.51	1604
	<b>WY 2012</b>	<b>9464</b>	<b>-170</b>	<b>197</b>	<b>9103</b>	<b>0</b>	<b>9103</b>			
	Oct 2012	324	0	14	543	0	543	8.8	630.49	1371
	Nov 2012	529	-15	10	390	0	390	6.5	635.00	1486
	Dec 2012	501	-19	9	376	0	376	6.1	638.71	1583
	Jan 2013	671	-13	10	565	0	565	9.2	641.80	1666
	Feb 2013	677	-6	10	661	0	661	11.9	641.80	1666
	Mar 2013	1031	-14	13	969	0	969	15.8	643.05	1700
	Apr 2013	1105	-14	17	1076	0	1076	18.1	643.00	1699
	May 2013	988	-14	22	952	0	952	15.5	643.00	1699
	Jun 2013	932	-10	25	924	0	924	15.5	642.00	1671
	Jul 2013	928	-4	25	912	0	912	14.8	641.50	1658
	Aug 2013	836	-7	23	806	0	806	13.1	641.50	1658
	Sep 2013	655	0	18	730	0	730	12.3	638.00	1564
	<b>WY 2013</b>	<b>9177</b>	<b>-118</b>	<b>196</b>	<b>8902</b>	<b>0</b>	<b>8902</b>			
	Oct 2013	433	0	15	549	0	549	8.9	633.00	1434
	Nov 2013	523	-15	10	446	0	446	7.5	635.00	1486
	Dec 2013	454	-19	9	328	0	328	5.3	638.71	1583
	Jan 2014	674	-13	10	568	0	568	9.2	641.80	1666
	Feb 2014	680	-6	10	664	0	664	12.0	641.80	1666
	Mar 2014	1034	-14	13	973	0	973	15.8	643.05	1700
	Apr 2014	1109	-14	17	1080	0	1080	18.2	643.00	1699
	May 2014	992	-14	22	956	0	956	15.5	643.00	1699
	Jun 2014	936	-10	25	927	0	927	15.6	642.00	1671
	Jul 2014	932	-4	25	916	0	916	14.9	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 2012 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 2011	822	25	17	669	10.9	91	60	448.13	583	97	1.6
H	Sep 2011	717	30	15	538	9.0	83	102	448.28	585	91	1.5
	<b>WY 2011</b>	<b>9446</b>	<b>263</b>	<b>140</b>	<b>6837</b>		<b>963</b>	<b>1657</b>			<b>1634</b>	
I	Oct 2011	611	31	12	472	7.7	8	149	447.97	579	62	1.0
S	Nov 2011	466	37	9	321	5.4	7	175	447.32	567	93	1.6
T	Dec 2011	385	27	6	267	4.3	15	151	445.69	537	108	1.7
O	Jan 2012	638	11	6	382	6.2	54	187	446.61	554	131	2.1
R	Feb 2012	726	10	8	497	8.6	49	169	447.10	563	159	2.8
I	Mar 2012	931	8	9	711	11.6	21	187	447.23	565	187	3.0
C	Apr 2012	1091	23	11	785	13.2	97	180	449.13	602	183	3.1
A	May 2012	980	25	13	709	11.5	100	179	448.81	596	99	1.6
L	Jun 2012	952	10	15	719	12.1	97	130	448.23	584	103	1.7
*	Jul 2012	805	47	17	675	11.0	101	35	448.91	598	124	2.0
	Aug 2012	747	22	17	577	9.4	101	69	448.50	589	92	1.5
	Sep 2012	772	20	15	555	9.3	77	148	447.80	576	89	1.5
	<b>WY 2012</b>	<b>9103</b>	<b>273</b>	<b>140</b>	<b>6668</b>		<b>726</b>	<b>1758</b>			<b>1430</b>	
	Oct 2012	543	23	12	445	7.2	2	127	446.31	548	55	0.9
	Nov 2012	390	32	8	366	6.1	2	35	446.50	552	86	1.4
	Dec 2012	376	26	6	260	4.2	2	128	446.50	552	89	1.5
	Jan 2013	565	15	6	348	5.7	82	140	446.50	552	122	2.0
	Feb 2013	661	7	8	448	8.1	72	135	446.50	552	153	2.8
	Mar 2013	969	18	9	708	11.5	82	177	446.70	555	208	3.4
	Apr 2013	1076	19	11	788	13.2	78	171	448.70	593	200	3.4
	May 2013	952	18	13	686	11.2	82	177	448.70	593	111	1.8
	Jun 2013	924	15	16	677	11.4	78	154	448.70	593	112	1.9
	Jul 2013	912	21	17	736	12.0	82	98	448.00	580	118	1.9
	Aug 2013	806	22	17	629	10.2	82	97	447.50	571	92	1.5
	Sep 2013	730	20	15	540	9.1	52	146	446.81	557	89	1.5
	<b>WY 2013</b>	<b>8902</b>	<b>237</b>	<b>139</b>	<b>6629</b>		<b>696</b>	<b>1587</b>			<b>1437</b>	
	Oct 2013	549	23	12	447	7.3	5	109	446.31	548	72	1.2
	Nov 2013	446	32	8	378	6.4	5	77	446.50	552	105	1.8
	Dec 2013	328	26	6	282	4.6	6	55	446.50	552	118	1.9
	Jan 2014	568	15	6	350	5.7	82	140	446.50	552	122	2.0
	Feb 2014	664	7	8	451	8.1	72	135	446.50	552	153	2.8
	Mar 2014	973	18	9	711	11.6	82	177	446.70	555	208	3.4
	Apr 2014	1080	19	11	792	13.3	78	171	448.70	593	200	3.4
	May 2014	956	18	13	690	11.2	82	177	448.70	593	111	1.8
	Jun 2014	927	15	16	681	11.4	78	154	448.70	593	112	1.9
	Jul 2014	916	21	17	740	12.0	82	98	448.00	580	118	1.9

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	831	13.5	1113.45	12730	597	469.04	1721.0	338.8	100	407.7
H	Sep 2011	670	11.3	1116.04	12977	247	473.88	1757.0	272.0	100	406.1
<b>WY 2011</b>		<b>9799</b>							<b>3848.4</b>		
I	Oct 2011	443	7.2	1121.00	13456	479	478.70	1311.0	178.9	74	403.5
S	Nov 2011	564	9.5	1125.82	13933	477	481.61	1110.0	233.8	61	414.3
T	Dec 2011	497	8.1	1132.83	14644	711	488.04	1374.0	207.2	75	417.3
O	Jan 2012	713	11.6	1134.18	15022	139	485.97	1146.0	308.0	61	432.1
R	Feb 2012	775	13.5	1133.06	14907	-115	484.32	1282.0	338.6	68	436.7
I	Mar 2012	986	16.0	1129.41	14535	-372	481.45	1047.0	427.4	56	433.4
C	Apr 2012	1170	19.7	1123.93	13986	-548	475.07	1164.0	505.3	62	432.0
A	May 2012	1008	16.4	1119.38	13541	-445	471.90	1050.0	429.0	56	425.4
L	Jun 2012	989	16.6	1115.84	13200	-341	470.21	1829.0	414.2	100	418.8
*	Jul 2012	841	13.7	1115.92	13207	8	471.23	1374.0	349.7	76	415.6
	Aug 2012	759	12.3	1116.28	13242	35	462.64	1809.0	312.6	100	412.1
	Sep 2012	718	12.1	1113.80	13005	-237	462.70	1780.0	294.9	100	410.9
<b>WY 2012</b>		<b>9464</b>							<b>3999.8</b>		
	Oct 2012	324	5.3	1115.02	13122	116	466.12	1507.0	124.2	85	382.9
	Nov 2012	529	8.9	1115.27	13145	24	471.33	1262.0	217.2	71	410.3
	Dec 2012	501	8.2	1118.17	13424	279	469.39	1410.0	208.2	78	415.4
	Jan 2013	671	10.9	1119.41	13544	120	471.32	1073.0	282.5	59	421.0
	Feb 2013	677	12.2	1119.64	13567	23	471.03	1076.0	289.5	59	427.8
	Mar 2013	1031	16.8	1115.40	13158	-409	466.54	1402.0	434.7	78	421.8
	Apr 2013	1105	18.6	1110.08	12655	-503	460.49	1525.0	464.6	86	420.4
	May 2013	988	16.1	1105.66	12246	-409	455.47	1535.0	401.9	88	406.6
	Jun 2013	932	15.7	1103.56	12055	-191	451.26	1732.0	378.8	100	406.5
	Jul 2013	928	15.1	1101.97	11912	-143	449.92	1725.0	374.3	100	403.4
	Aug 2013	836	13.6	1101.53	11873	-39	449.08	1725.0	339.6	100	406.3
	Sep 2013	655	11.0	1100.71	11799	-74	449.59	1722.0	259.1	100	395.7
<b>WY 2013</b>		<b>9177</b>							<b>3774.5</b>		
	Oct 2013	433	7.0	1102.07	11921	122	453.42	1501.0	171.3	87	395.3
	Nov 2013	523	8.8	1102.53	11962	42	455.87	1520.0	207.0	88	395.8
	Dec 2013	454	7.4	1106.16	12292	330	456.02	1543.0	181.3	88	399.6
	Jan 2014	674	11.0	1107.55	12420	128	459.43	1039.9	277.7	59	412.2
	Feb 2014	680	12.2	1107.08	12377	-43	458.87	1041.1	284.3	59	418.4
	Mar 2014	1034	16.8	1102.65	11973	-404	453.94	1373.9	425.8	78	411.7
	Apr 2014	1109	18.6	1097.02	11471	-502	447.66	1518.1	454.4	86	409.7
	May 2014	992	16.1	1092.53	11076	-395	442.46	1549.1	393.1	88	396.1
	Jun 2014	936	15.7	1088.66	10742	-335	437.35	1758.0	369.6	100	394.9
	Jul 2014	932	15.2	1087.55	10647	-95	435.37	1758.0	364.7	100	391.3

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	822	13.4	642.38	1682	-20	140.95	255.0	103.5	100	125.9
H	Sep 2011	717	12.1	639.73	1610	-72	137.99	255.0	90.2	100	125.8
<b>WY 2011</b>		<b>9446</b>							<b>1182.3</b>		
I	Oct 2011	611	9.9	633.03	1435	-175	133.41	181.1	74.4	71	121.8
S	Nov 2011	466	7.8	635.99	1511	76	134.28	170.9	57.0	67	122.2
T	Dec 2011	385	6.3	638.82	1586	74	135.59	173.4	48.1	68	124.9
O	Jan 2012	638	10.4	640.38	1628	42	138.75	170.9	77.2	67	121.0
R	Feb 2012	726	12.6	641.20	1650	22	140.80	163.2	90.8	64	125.1
I	Mar 2012	931	15.1	641.93	1670	20	140.23	204.0	117.4	80	126.2
C	Apr 2012	1091	18.3	643.35	1708	39	142.08	249.9	147.4	98	135.2
A	May 2012	980	15.9	643.06	1700	-8	141.39	252.5	128.9	99	131.5
L	Jun 2012	952	16.0	642.80	1693	-7	140.12	255.0	122.6	100	128.8
*	Jul 2012	805	13.1	642.89	1696	2	143.36	255.0	100.7	100	125.1
	Aug 2012	747	12.2	642.20	1677	-19	135.63	252.5	94.0	99	125.8
	Sep 2012	772	13.0	639.51	1604	-73	133.79	255.0	95.7	100	124.0
<b>WY 2012</b>		<b>9103</b>							<b>1154.2</b>		
	Oct 2012	543	8.8	630.49	1371	-233	129.12	204.0	65.3	80	120.2
	Nov 2012	390	6.5	635.00	1486	115	127.85	170.9	46.4	67	119.1
	Dec 2012	376	6.1	638.71	1583	97	131.72	183.6	46.2	72	123.0
	Jan 2013	565	9.2	641.80	1666	83	135.61	173.4	70.5	68	124.8
	Feb 2013	661	11.9	641.80	1666	0	136.23	204.0	82.7	80	125.2
	Mar 2013	969	15.8	643.05	1700	34	135.78	242.3	120.7	95	124.5
	Apr 2013	1076	18.1	643.00	1699	-2	136.07	255.0	133.9	100	124.4
	May 2013	952	15.5	643.00	1699	0	136.04	255.0	119.1	100	125.1
	Jun 2013	924	15.5	642.00	1671	-27	135.51	255.0	115.1	100	124.7
	Jul 2013	912	14.8	641.50	1658	-14	134.73	255.0	113.2	100	124.2
	Aug 2013	806	13.1	641.50	1658	0	134.46	255.0	100.4	100	124.5
	Sep 2013	730	12.3	638.00	1564	-94	132.62	255.0	89.9	100	123.2
<b>WY 2013</b>		<b>8902</b>							<b>1103.5</b>		
	Oct 2013	549	8.9	633.00	1434	-130	129.17	219.3	66.2	86	120.6
	Nov 2013	446	7.5	635.00	1486	51	126.85	244.8	53.5	96	119.9
	Dec 2013	328	5.3	638.71	1583	97	130.29	229.5	40.5	90	123.3
	Jan 2014	568	9.2	641.80	1666	83	134.09	221.9	70.9	87	124.8
	Feb 2014	664	12.0	641.80	1666	0	136.08	209.1	83.1	82	125.2
	Mar 2014	973	15.8	643.05	1700	34	135.86	239.7	121.1	94	124.5
	Apr 2014	1080	18.2	643.00	1699	-2	136.07	255.0	134.4	100	124.4
	May 2014	956	15.5	643.00	1699	0	136.04	255.0	119.6	100	125.1
	Jun 2014	927	15.6	642.00	1671	-27	135.51	255.0	115.6	100	124.6
	Jul 2014	916	14.9	641.50	1658	-14	134.73	255.0	113.7	100	124.2

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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 2011	669	10.9	448.13	583	-2	82.04	120.0	46.1	100	68.9
H	Sep 2011	538	9.0	448.28	585	3	82.16	120.0	39.4	100	73.2
<b>WY 2011</b>		<b>6837</b>							<b>474.2</b>		
I	Oct 2011	472	7.7	447.97	579	-6	81.92	92.4	31.5	77	66.8
S	Nov 2011	321	5.4	447.32	567	-12	80.93	102.0	22.1	85	69.1
T	Dec 2011	267	4.3	445.69	537	-30	81.08	67.2	17.7	56	66.2
O	Jan 2012	382	6.2	446.61	554	17	80.68	67.2	25.6	56	67.1
R	Feb 2012	497	8.6	447.10	563	9	80.85	94.8	35.1	79	70.7
I	Mar 2012	711	11.6	447.23	565	2	81.75	97.2	48.8	81	68.6
C	Apr 2012	785	13.2	449.13	602	36	83.37	120.0	54.1	100	69.0
A	May 2012	709	11.5	448.81	596	-6	81.37	111.6	49.6	93	69.9
L	Jun 2012	719	12.1	448.23	584	-11	79.00	120.0	49.7	100	69.1
*	Jul 2012	675	11.0	448.91	598	13	82.94	120.0	46.8	100	69.4
	Aug 2012	577	9.4	448.50	589	-8	76.06	120.0	38.1	100	66.0
	Sep 2012	555	9.3	447.80	576	-13	75.52	120.0	36.5	100	65.6
<b>WY 2012</b>		<b>6668</b>							<b>455.6</b>		
	Oct 2012	445	7.2	446.31	548	-28	75.25	102.0	28.9	85	64.9
	Nov 2012	366	6.1	446.50	552	3	74.62	102.0	23.4	85	64.0
	Dec 2012	260	4.2	446.50	552	0	74.71	102.0	16.3	85	62.5
	Jan 2013	348	5.7	446.50	552	0	74.71	102.0	22.1	85	63.7
	Feb 2013	448	8.1	446.50	552	0	73.92	120.0	28.7	100	64.1
	Mar 2013	708	11.5	446.70	555	4	74.01	120.0	46.0	100	64.9
	Apr 2013	788	13.2	448.70	593	38	75.08	120.0	52.0	100	66.0
	May 2013	686	11.2	448.70	593	0	76.05	120.0	45.6	100	66.4
	Jun 2013	677	11.4	448.70	593	0	76.05	120.0	45.0	100	66.5
	Jul 2013	736	12.0	448.00	580	-13	75.71	120.0	48.8	100	66.3
	Aug 2013	629	10.2	447.50	571	-10	75.13	120.0	41.2	100	65.6
	Sep 2013	540	9.1	446.81	557	-13	74.55	120.0	35.0	100	64.9
<b>WY 2013</b>		<b>6629</b>							<b>433.0</b>		
	Oct 2013	447	7.3	446.31	548	-9	74.77	102.0	28.9	85	64.6
	Nov 2013	378	6.4	446.50	552	3	74.62	102.0	24.2	85	64.1
	Dec 2013	282	4.6	446.50	552	0	74.71	102.0	17.7	85	62.8
	Jan 2014	350	5.7	446.50	552	0	74.71	102.0	22.3	85	63.8
	Feb 2014	451	8.1	446.50	552	0	73.92	120.0	28.9	100	64.2
	Mar 2014	711	11.6	446.70	555	4	74.01	120.0	46.2	100	64.9
	Apr 2014	792	13.3	448.70	593	38	75.08	120.0	52.3	100	66.0
	May 2014	690	11.2	448.70	593	0	76.05	120.0	45.8	100	66.4
	Jun 2014	681	11.4	448.70	593	0	76.05	120.0	45.3	100	66.5
	Jul 2014	740	12.0	448.00	580	-13	75.71	120.0	49.1	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 2012 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 2011	706	60	39	44	22	8
H Sep 2011	442	58	34	41	22	6
<b>Summer 2011</b>	<b>3425</b>	<b>386</b>	<b>179</b>	<b>248</b>	<b>111</b>	<b>30</b>
I Oct 2011	446	48	28	33	18	5
S Nov 2011	508	34	11	13	7	2
T Dec 2011	563	43	25	30	17	6
O Jan 2012	388	58	15	18	10	5
R Feb 2012	295	54	9	12	2	4
I Mar 2012	275	62	9	12	6	4
<b>Winter 2012</b>	<b>2475</b>	<b>300</b>	<b>97</b>	<b>117</b>	<b>61</b>	<b>26</b>
C Apr 2012	276	47	16	22	14	4
A May 2012	276	61	19	28	17	4
L Jun 2012	324	34	26	33	19	7
* Jul 2012	398	33	24	31	18	6
Aug 2012	334	29	27	36	17	6
Sep 2012	197	26	21	29	15	5
<b>Summer 2012</b>	<b>1805</b>	<b>230</b>	<b>133</b>	<b>179</b>	<b>99</b>	<b>33</b>
Oct 2012	203	19	11	16	8	5
Nov 2012	247	17	4	7	4	5
Dec 2012	327	18	4	6	4	5
Jan 2013	324	18	4	7	4	4
Feb 2013	271	16	4	6	3	4
Mar 2013	239	18	5	9	5	4
<b>Winter 2013</b>	<b>1611</b>	<b>106</b>	<b>32</b>	<b>51</b>	<b>27</b>	<b>26</b>
Apr 2013	239	17	10	17	9	3
May 2013	239	35	16	28	15	4
Jun 2013	320	35	19	29	14	4
Jul 2013	334	18	25	35	17	4
Aug 2013	323	18	26	36	18	4
Sep 2013	233	17	21	32	16	4
<b>Summer 2013</b>	<b>1687</b>	<b>140</b>	<b>116</b>	<b>177</b>	<b>89</b>	<b>23</b>
Oct 2013	232	18	11	17	9	4
Nov 2013	231	17	4	6	4	3
Dec 2013	305	18	4	6	4	3
Jan 2014	301	18	4	6	4	3
Feb 2014	224	16	3	6	3	3
Mar 2014	223	18	4	8	5	3
<b>Winter 2014</b>	<b>1292</b>	<b>87</b>	<b>26</b>	<b>42</b>	<b>23</b>	<b>16</b>
Apr 2014	222	17	8	15	9	3
May 2014	224	37	19	31	19	4
Jun 2014	247	45	14	22	14	7
Jul 2014	340	32	26	35	18	6

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



## August 2012 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	Lake 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 2012	676	399	518	9642	11235	14170	25404	676	399	518	1593	9642	14170	25404	1500	759	0	34.8
Sep 2012	720	458	611	10059	11848	14135	25983	720	458	611	1789	10059	14135	25983	2270	718	0	34.2
Oct 2012	765	510	665	10181	12120	14372	26492	765	510	665	1939	10181	14372	26492	3040	324	0	33.9
Nov 2012	785	528	677	10310	12300	14255	26555	785	528	677	1990	10310	14255	26555	3810	529	0	33.7
Dec 2012	797	519	680	10560	12555	14232	26787	797	519	680	1995	10560	14232	26787	4580	501	0	33.6
Jan 2013	818	513	687	11042	13060	13953	27013	818	513	687	2018	11042	13953	27013	5350	671	0	33.3
<b>**** EFFECTIVE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Jan 2013	818	513	687	11042	13060	13953	27013	136	23	130	289	11042	13953	25284	5350	671	0	33.3
Feb 2013	833	510	701	11506	13549	13833	27382	148	21	143	312	11506	13833	25651	1500	677	0	33.0
Mar 2013	838	504	705	11848	13895	13810	27705	150	17	147	314	11848	13810	25972	1500	1031	0	32.5
Apr 2013	799	497	686	12042	14024	14219	28243	106	10	125	241	12042	14219	26502	1500	1105	0	32.0
May 2013	762	493	666	12164	14085	14722	28808	62	5	85	152	12164	14722	27039	1500	988	0	31.9
Jun 2013	752	466	620	11929	13766	15131	28897	44	-31	3	16	11929	15131	27075	1500	932	0	31.8
Jul 2013	720	444	633	11882	13679	15322	29000	1	-57	-36	-92	11882	15322	27112	1500	928	0	30.9
<b>**** CREDITABLE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Aug 2013	734	491	725	12457	14407	15465	29873	734	491	725	1950	12457	15465	29873	1500	836	0	30.1
Sep 2013	775	548	817	13000	15141	15504	30646	775	548	817	2141	13000	15504	30646	2270	655	0	29.5
Oct 2013	810	608	875	13237	15529	15578	31107	810	608	875	2292	13237	15578	31107	3040	433	0	29.1
Nov 2013	834	626	897	13485	15842	15456	31299	834	626	897	2357	13485	15456	31299	3810	523	0	29.0
Dec 2013	847	615	905	13705	16073	15415	31487	847	615	905	2368	13705	15415	31487	4580	454	0	29.0
Jan 2014	871	605	910	14151	16537	15085	31622	871	605	910	2386	14151	15085	31622	5350	674	0	28.7
<b>**** EFFECTIVE SPACE ****</b>								<b>**** CREDITABLE SPACE ****</b>										
Jan 2014	871	605	910	14151	16537	15085	31622	236	243	382	861	14151	15085	30097	5350	674	0	28.7
Feb 2014	887	597	915	14587	16986	14957	31943	251	235	386	871	14587	14957	30416	1500	680	0	28.5
Mar 2014	896	587	912	14815	17209	15000	32209	256	226	382	865	14815	15000	30679	1500	1034	0	28.1
Apr 2014	863	571	863	14940	17237	15404	32641	220	209	331	760	14940	15404	31104	1500	1109	0	27.7
May 2014	821	543	811	14962	17137	15906	33043	171	178	259	608	14962	15906	31475	1500	992	0	28.2
Jun 2014	769	474	704	14299	16246	16301	32547	110	93	116	319	14299	16301	30919	1500	936	0	28.8
Jul 2014	688	365	658	13657	15368	16635	32003	17	-32	18	3	13657	16635	30296	1500	932	0	28.1

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