

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
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The operation of Lake Powell and Lake Mead in this November 2010 24-Month Study is pursuant to the December 2007 Record of Decision on Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations of Lake Powell and Lake Mead (Interim Guidelines), and reflects the 2010 Annual Operating Plan (AOP) and draft 2011 AOP. Pursuant to the Interim Guidelines, the August 2010 24-Month Study projections of the January 1, 2011 system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2011.

The Lake Powell operational tier for water year 2011 is the Upper Elevation Balancing Tier. The Intentionally Created Surplus (ICS) Surplus condition is the criterion governing the operation of Lake Mead for calendar years 2010 and 2011.

Consistent with Section 6.B.4 of the Interim Guidelines, if the April 24-Month study projects the September 30 Lake Mead elevation to be below 1,075 feet and the September 30, Lake Powell elevation to be at or above 3,575 feet, the Secretary shall balance the contents of Mead and Powell but release not more than 9.0 maf. Consistent with this provision, the November 24-Month Study projects such an adjustment to occur in April, resulting in a water year release from Lake Powell of 9.0 maf.

Based on analysis of a range of inflow scenarios, the current probability of realizing an inflow volume that would trigger Equalization in 2011 is approximately 48 percent.

The Interim Guidelines are available for download at <http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.
The 2010 AOP is available for download at <http://www.usbr.gov/lc/region/g4000/AOP2010/AOP10.pdf>.
The draft 2011 AOP is available for download at http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP11_draft.pdf.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows: Observed unregulated inflow into Lake Powell for the month of October 2010 was 0.362 maf or 66% of the 30-year average. The forecast for November 2010 unregulated inflow into Lake Powell is 0.425 maf or 78% of the 30-year average. Observed 2010 April through July unregulated inflow was 5.80 maf or 73% of average.

In this study, the Calendar Year (CY) 2010 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 1.101 maf. The CY 2010 diversion for the Central Arizona Project (CAP) is forecasted to be 1.666 maf. Consumptive use for Nevada above Hoover is forecasted to be 0.235 maf for CY 2010.

Due to declining Lake Mead elevations, Hoover's generator capacity is adjusted based on estimated effective capacity and plant availability. The estimated effective capacity is based on projected Lake Mead elevations. Unit capacity tests will be performed as the lake elevation changes in 2-foot increments. This study reflects these changes in the projections.

Hoover, Davis, and Parker historical gross energy figures come from PO&M reports provided by the Lower Colorado Region's Power Management Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Larry Karr at (702) 293-8094.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Fontenelle Reservoir

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 Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2009	42	1	0	62	6491.61	239
H Dec 2009	31	1	0	70	6485.42	198
I Jan 2010	28	1	38	30	6478.10	157
S Feb 2010	23	0	55	0	6471.41	125
T Mar 2010	43	0	56	0	6468.40	112
O Apr 2010	63	1	47	1	6471.88	127
R May 2010	40	1	49	0	6469.44	117
I Jun 2010	251	2	50	1	6502.04	314
C Jul 2010	134	3	91	22	6504.39	333
A Aug 2010	50	2	68	0	6501.76	312
L Sep 2010	29	2	26	35	6497.33	279
WY 2010	781	14	530	233	763	
* Oct 2010	31	1	5	55	6493.24	250
Nov 2010	32	1	54	0	6489.85	228
Dec 2010	27	1	55	0	6485.46	199
Jan 2011	24	1	55	0	6480.03	167
Feb 2011	24	1	50	0	6474.74	140
Mar 2011	41	0	55	0	6471.50	126
Apr 2011	74	1	80	0	6469.89	119
May 2011	131	1	97	1	6476.75	150
Jun 2011	252	2	101	0	6500.00	299
Jul 2011	147	3	101	4	6505.12	339
Aug 2011	65	2	101	3	6499.73	297
Sep 2011	47	2	37	27	6497.11	278
WY 2011	895	15	792	90	882	
Oct 2011	49	1	67	0	6494.41	258
Nov 2011	41	1	65	0	6490.97	234
Dec 2011	32	1	67	0	6485.53	199
Jan 2012	30	1	67	0	6479.13	162
Feb 2012	28	0	62	0	6471.86	127
Mar 2012	52	0	67	0	6468.21	112
Apr 2012	89	1	83	0	6469.53	117
May 2012	176	1	86	0	6486.57	206
Jun 2012	307	2	104	104	6500.45	302
Jul 2012	185	3	101	44	6505.35	340
Aug 2012	82	2	86	0	6504.58	334
Sep 2012	48	2	65	0	6502.17	315
WY 2012	1121	15	919	148	1068	
Oct 2012	49	1	68	0	6499.51	295

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Flaming Gorge Reservoir

08-Nov-2010 16:38:00

	Unreg Inflow Ac-Ft	Regulated Inflow Ac-Ft	Evap Losses Ac-Ft	Power Release Ac-Ft	Bypass Release Ac-Ft	Total Release Ac-Ft	Bank Storage Ac-Ft	Reservoir Elevation Feet	Live Storage Ac-Ft	Yampa Flow 1000 Ac-Ft	Jensen Flow 1000 Ac-Ft
* Nov 2009	47	67	4	104	0	104	133	6028.67	3298	0	143
H Dec 2009	19	59	2	107	1	108	131	6027.38	3249	0	504
I Jan 2010	27	68	2	109	0	109	129	6026.29	3208	0	669
S Feb 2010	29	61	2	87	0	87	128	6025.55	3181	0	111
T Mar 2010	69	81	3	60	0	60	129	6026.01	3198	0	118
O Apr 2010	96	81	5	49	0	49	130	6026.69	3223	206	240
R May 2010	72	81	8	101	0	101	129	6025.97	3196	507	551
I Jun 2010	387	187	10	138	0	138	130	6026.97	3234	619	745
C Jul 2010	151	130	13	96	0	96	131	6027.51	3254	78	195
A Aug 2010	54	72	12	100	0	100	129	6026.47	3215	24	138
L Sep 2010	22	54	10	106	0	106	127	6024.83	3154	13	130
WY 2010	1018	1000	79	1168	1	1169					3698
* Oct 2010	32	60	7	77	0	77	126	6024.21	3131	28	113
Nov 2010	39	61	3	62	0	62	126	6024.07	3126	0	62
Dec 2010	34	62	2	65	0	65	126	6023.97	3122	0	65
Jan 2011	31	62	2	65	0	65	125	6023.87	3119	0	65
Feb 2011	31	57	2	58	0	58	125	6023.78	3115	0	58
Mar 2011	63	77	3	50	0	50	126	6024.41	3139	0	50
Apr 2011	101	107	5	48	0	48	128	6025.84	3191	0	48
May 2011	163	130	8	103	0	103	129	6026.35	3210	0	103
Jun 2011	293	142	10	188	0	188	127	6024.91	3157	0	188
Jul 2011	160	118	13	81	0	81	128	6025.51	3179	0	81
Aug 2011	72	112	12	81	0	81	129	6025.98	3196	0	81
Sep 2011	53	71	11	79	0	79	128	6025.49	3178	0	79
WY 2011	1072	1059	78	956	0	956					992
Oct 2011	59	77	7	81	0	81	127	6025.20	3168	0	81
Nov 2011	50	74	3	79	0	79	127	6024.98	3159	0	79
Dec 2011	36	70	2	81	0	81	127	6024.66	3148	0	81
Jan 2012	41	77	2	81	0	81	126	6024.52	3142	0	81
Feb 2012	46	80	2	76	0	76	126	6024.58	3145	0	76
Mar 2012	104	119	3	81	0	81	128	6025.48	3178	0	81
Apr 2012	142	136	5	79	0	79	130	6026.85	3229	0	79
May 2012	265	175	8	105	0	105	132	6028.42	3288	0	105
Jun 2012	399	300	11	212	0	212	135	6030.35	3363	0	212
Jul 2012	218	178	14	135	0	135	136	6031.06	3390	0	135
Aug 2012	96	100	13	135	0	135	134	6029.87	3344	0	135
Sep 2012	58	75	11	131	0	131	132	6028.19	3280	0	131
WY 2012	1515	1462	80	1276	0	1276					1276
Oct 2012	59	78	7	135	0	135	129	6026.55	3218	0	135

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Taylor Park Reservoir

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2009	5	6	9310.68	71
H Dec 2009	4	6	9309.18	69
I Jan 2010	4	6	9307.90	67
S Feb 2010	4	6	9306.55	65
T Mar 2010	4	6	9305.31	63
O Apr 2010	11	6	9308.40	67
R May 2010	22	9	9316.36	80
I Jun 2010	35	18	9325.55	97
C Jul 2010	10	20	9320.19	87
A Aug 2010	10	17	9316.06	80
L Sep 2010	6	14	9311.57	72
WY 2010	121	122		
* Oct 2010	7	6	9312.21	73
Nov 2010	5	6	9311.48	72
Dec 2010	4	6	9310.23	70
Jan 2011	4	6	9308.71	68
Feb 2011	3	6	9306.76	65
Mar 2011	3	6	9304.75	62
Apr 2011	7	6	9305.09	62
May 2011	24	13	9312.15	73
Jun 2011	37	20	9321.86	90
Jul 2011	16	20	9319.68	86
Aug 2011	8	13	9316.87	81
Sep 2011	6	13	9312.76	74
WY 2011	123	121		
Oct 2011	6	10	9310.40	71
Nov 2011	5	6	9309.72	69
Dec 2011	4	6	9308.74	68
Jan 2012	4	6	9307.59	66
Feb 2012	4	6	9306.12	64
Mar 2012	4	6	9304.95	62
Apr 2012	8	8	9305.51	63
May 2012	27	14	9313.84	76
Jun 2012	43	20	9326.41	99
Jul 2012	20	22	9325.60	97
Aug 2012	10	22	9319.19	85
Sep 2012	7	16	9314.01	76
WY 2012	144	141		
Oct 2012	6	10	9311.70	73

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Blue Mesa Reservoir

08-Nov-2010 16:38:00

	Unreg Inflow Ac-Ft	Regulated Inflow Ac-Ft	Evap Losses Ac-Ft	Power Release Ac-Ft	Bypass Release Ac-Ft	Total Release Ac-Ft	Reservoir elevation Feet	Live Storage Ac-Ft
* Nov 2009	27	28	0	28	0	28	7492.84	604
H Dec 2009	21	23	0	47	0	47	7489.73	579
I Jan 2010	22	24	0	43	0	43	7487.22	560
S Feb 2010	22	24	0	38	0	38	7485.33	546
T Mar 2010	29	30	0	33	0	33	7484.88	542
O Apr 2010	96	92	1	45	0	45	7490.80	588
R May 2010	143	131	1	110	6	116	7492.59	602
I Jun 2010	205	186	1	51	0	51	7508.76	735
C Jul 2010	50	60	1	98	0	98	7504.17	696
A Aug 2010	56	63	1	92	0	92	7500.54	666
L Sep 2010	23	31	1	86	0	86	7493.54	609
WY 2010	725	727	8	754	6	760		
* Oct 2010	29	29	1	85	0	85	7486.20	552
Nov 2010	27	28	0	27	0	27	7486.33	553
Dec 2010	23	25	0	28	0	28	7485.91	550
Jan 2011	21	23	0	29	0	29	7485.15	544
Feb 2011	19	22	0	28	0	28	7484.32	538
Mar 2011	28	31	0	32	0	32	7484.13	537
Apr 2011	70	69	1	41	0	41	7487.80	564
May 2011	185	174	1	90	0	90	7498.28	647
Jun 2011	225	208	1	51	0	51	7516.40	803
Jul 2011	90	94	2	109	0	109	7514.56	786
Aug 2011	48	53	1	122	0	122	7506.50	716
Sep 2011	35	42	1	113	0	113	7497.85	644
WY 2011	800	799	9	755	0	755		
Oct 2011	36	39	1	58	0	58	7495.49	625
Nov 2011	31	32	0	28	0	28	7495.91	628
Dec 2011	25	27	0	85	0	85	7488.46	569
Jan 2012	24	26	0	79	0	79	7481.38	516
Feb 2012	22	24	0	56	0	56	7476.97	484
Mar 2012	34	36	0	36	0	36	7476.90	484
Apr 2012	73	72	1	48	0	48	7480.16	507
May 2012	212	199	1	110	0	110	7491.79	595
Jun 2012	271	248	1	60	0	60	7514.10	782
Jul 2012	121	122	2	100	0	100	7516.40	802
Aug 2012	62	74	1	122	0	122	7510.78	753
Sep 2012	36	45	1	113	0	113	7502.73	684
WY 2012	946	944	9	896	0	896		
Oct 2012	36	39	1	58	0	58	7500.42	665

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Morrow Point Reservoir

08-Nov-2010 16:38:00

	Unreg Inflow Ac-Ft	Blue_Mesa Release Ac-Ft	Side Inflow Ac-Ft	Total Inflow Ac-Ft	Evap losses Ac-Ft	Power Release Ac-Ft	Bypass Release Ac-Ft	Total Release Ac-Ft	Reservoir Elevation Feet	Live Storage 1000 Ac-Ft
* Nov 2009	29	28	2	30	0	27	0	27	7152.38	111
H Dec 2009	22	47	1	48	0	47	0	47	7153.12	112
I Jan 2010	24	43	2	45	0	47	0	47	7150.49	109
S Feb 2010	22	38	1	38	0	41	0	41	7147.10	107
T Mar 2010	29	33	1	34	0	34	0	34	7147.29	107
O Apr 2010	107	45	11	57	0	55	0	55	7149.84	109
R May 2010	159	116	16	132	0	129	0	129	7154.46	113
I Jun 2010	216	51	12	63	0	64	0	64	7153.15	112
C Jul 2010	51	98	1	98	0	96	0	96	7156.02	114
A Aug 2010	56	92	1	93	0	93	0	93	7155.63	114
L Sep 2010	23	86	0	87	0	92	0	92	7148.78	108
WY 2010	773	760	48	807	1	805	0	805		
* Oct 2010	30	85	1	86	0	82	0	82	7153.88	112
Nov 2010	29	27	2	29	0	29	0	29	7153.73	112
Dec 2010	25	28	2	30	0	30	0	30	7153.73	112
Jan 2011	23	29	2	31	0	31	0	31	7153.73	112
Feb 2011	20	28	1	29	0	29	0	29	7153.73	112
Mar 2011	31	32	3	35	0	35	0	35	7153.73	112
Apr 2011	80	41	10	51	0	51	0	51	7153.73	112
May 2011	205	90	20	110	0	110	0	110	7153.73	112
Jun 2011	245	51	20	71	0	71	0	71	7153.73	112
Jul 2011	95	109	5	114	0	114	0	114	7153.73	112
Aug 2011	50	122	2	124	0	124	0	124	7153.73	112
Sep 2011	37	113	2	115	0	115	0	115	7153.73	112
WY 2011	870	755	70	825	0	821	0	821		
Oct 2011	38	58	3	61	0	61	0	61	7153.73	112
Nov 2011	33	28	2	30	0	30	0	30	7153.73	112
Dec 2011	27	85	2	87	0	87	0	87	7153.73	112
Jan 2012	26	79	2	81	0	81	0	81	7153.73	112
Feb 2012	25	56	3	59	0	59	0	59	7153.73	112
Mar 2012	38	36	4	40	0	40	0	40	7153.73	112
Apr 2012	84	48	11	59	0	59	0	59	7153.73	112
May 2012	237	110	25	135	0	135	0	135	7153.73	112
Jun 2012	292	60	21	81	0	81	0	81	7153.73	112
Jul 2012	127	100	7	107	0	107	0	107	7153.73	112
Aug 2012	65	122	4	126	0	126	0	126	7153.73	112
Sep 2012	39	113	3	116	0	116	0	116	7153.73	112
WY 2012	1033	896	86	982	0	982	0	982		
Oct 2012	38	58	3	61	0	61	0	61	7153.73	112

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Crystal Reservoir

08-Nov-2010 16:38:00

	unreg Inflow Ac-Ft	Morrow Release Ac-Ft	Side Inflow Ac-Ft	Total Inflow Ac-Ft	Power Release Ac-Ft	Bypass Release Ac-Ft	Total Release Ac-Ft	Reservoir Elevation Feet	Live Storage Ac-Ft	Tunnel Flow 1000 Ac-Ft	Below_tunnel Flow 1000 Ac-Ft
* Nov 2009	32	27	3	29	31	0	31	6747.51	15	1	31
H Dec 2009	25	47	3	51	52	0	52	6743.59	14	1	53
I Jan 2010	26	47	3	50	49	0	49	6745.38	15	1	50
S Feb 2010	25	41	3	44	25	17	42	6751.67	17	1	43
T Mar 2010	33	34	4	38	38	0	38	6751.84	17	1	38
O Apr 2010	118	55	11	66	66	0	66	6750.96	16	34	34
R May 2010	179	129	20	148	108	39	148	6752.53	17	60	91
I Jun 2010	242	64	25	89	89	0	89	6752.91	17	56	39
C Jul 2010	55	96	4	100	100	0	100	6751.15	16	69	39
A Aug 2010	61	93	5	98	98	0	98	6749.05	16	68	37
L Sep 2010	26	92	3	95	95	0	95	6748.16	16	63	36
WY 2010	859	805	86	891	824	67	890		415		528
* Oct 2010	34	82	4	86	85	0	85	6750.41	16	51	33
Nov 2010	33	29	4	33	32	0	32	6753.04	17	0	32
Dec 2010	29	30	4	34	34	0	34	6753.04	17	0	34
Jan 2011	26	31	3	34	34	0	34	6753.04	17	0	34
Feb 2011	22	29	2	31	31	0	31	6753.04	17	0	31
Mar 2011	35	35	4	39	39	0	39	6753.04	17	5	34
Apr 2011	92	51	12	63	63	0	63	6753.04	17	30	33
May 2011	230	110	25	135	134	1	135	6753.04	17	55	80
Jun 2011	275	71	30	101	101	0	101	6753.04	17	60	41
Jul 2011	105	114	10	124	124	0	124	6753.04	17	65	59
Aug 2011	56	124	6	130	130	0	130	6753.04	17	65	65
Sep 2011	43	115	6	121	121	0	121	6753.04	17	55	66
WY 2011	980	821	110	931	929	1	930		386		542
Oct 2011	44	61	6	67	67	0	67	6753.04	17	30	37
Nov 2011	38	30	5	35	35	0	35	6753.04	17	0	35
Dec 2011	32	87	5	92	92	0	92	6753.04	17	0	92
Jan 2012	31	81	5	86	86	0	86	6753.04	17	0	86
Feb 2012	29	59	4	63	63	0	63	6753.04	17	0	63
Mar 2012	46	40	7	47	47	0	47	6753.04	17	5	42
Apr 2012	96	59	12	71	71	0	71	6753.04	17	30	41
May 2012	272	135	35	170	134	36	170	6753.04	17	55	115
Jun 2012	330	81	38	120	120	0	120	6753.04	17	60	60
Jul 2012	144	107	17	124	124	0	124	6753.04	17	65	59
Aug 2012	74	126	8	134	134	0	134	6753.04	17	65	69
Sep 2012	45	116	6	122	122	0	122	6753.04	17	55	67
WY 2012	1183	982	150	1132	1096	36	1132		365		767
Oct 2012	44	61	6	67	67	0	67	6753.04	17	30	37

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Vallecito Reservoir

	Regulated Inflow 1000 Ac-Ft	Total Release 1000 Ac-Ft	Reservoir Elevation EOM Feet	Live Storage 1000 Ac-Ft
* Nov 2009	4	3	7630.41	45
H Dec 2009	4	3	7630.60	46
I Jan 2010	4	3	7631.27	47
S Feb 2010	3	4	7630.95	46
T Mar 2010	3	8	7628.45	42
O Apr 2010	27	4	7640.13	65
R May 2010	69	20	7660.32	113
I Jun 2010	46	42	7661.51	116
C Jul 2010	12	37	7651.21	90
A Aug 2010	19	33	7645.00	75
L Sep 2010	10	26	7637.70	59
WY 2010	209	196		
* Oct 2010	12	13	7636.95	58
Nov 2010	6	2	7639.19	63
Dec 2010	5	2	7640.64	66
Jan 2011	4	2	7641.70	68
Feb 2011	3	2	7642.50	70
Mar 2011	6	2	7644.28	74
Apr 2011	19	10	7647.88	82
May 2011	62	31	7660.32	113
Jun 2011	75	62	7665.00	125
Jul 2011	25	43	7657.95	107
Aug 2011	17	39	7648.80	84
Sep 2011	15	29	7642.18	69
WY 2011	249	236		
Oct 2011	14	20	7639.17	63
Nov 2011	8	6	7640.27	65
Dec 2011	6	5	7640.91	66
Jan 2012	5	3	7641.86	68
Feb 2012	5	3	7642.67	70
Mar 2012	8	3	7644.82	75
Apr 2012	22	10	7649.67	86
May 2012	69	45	7659.24	110
Jun 2012	78	62	7665.00	125
Jul 2012	31	43	7660.21	113
Aug 2012	19	39	7652.14	92
Sep 2012	17	29	7646.94	80
WY 2012	282	268		
Oct 2012	14	13	7647.16	80

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Navajo Reservoir

	Mod_Unreg	Azetea	Reg	Evap	NIIP	Total	Reservoir	Live	Farm
	Inflow	Tunnel_Div	Inflow	Losses	Diversion	Release	Elevation	Storage	Flow
	1000	1000	1000	1000	1000	1000	EOM	1000	1000
	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	ac-Ft	Ac-Ft	Feet	Ac-Ft	Ac-Ft
* Nov 2009	15	0	14	1	0	30	6053.34	1265	48
H Dec 2009	13	0	12	1	0	32	6051.61	1245	48
I Jan 2010	15	0	14	1	0	32	6050.04	1226	49
S Feb 2010	16	0	16	1	0	27	6049.04	1214	43
T Mar 2010	64	1	68	1	3	31	6051.78	1247	52
O Apr 2010	222	22	179	2	12	28	6062.79	1384	75
R May 2010	265	35	182	4	26	30	6071.80	1506	126
I Jun 2010	152	28	116	5	40	33	6074.50	1544	118
C Jul 2010	16	2	39	5	47	58	6069.52	1474	72
A Aug 2010	39	2	52	4	35	41	6067.48	1446	69
L Sep 2010	24	1	39	3	25	45	6064.97	1412	57
WY 2010	856	90	753	29	202	423			801
* Oct 2010	25	0	27	2	8	36	6063.49	1393	46
Nov 2010	25	0	20	1	0	30	6062.67	1382	30
Dec 2010	22	0	19	1	0	32	6061.57	1368	32
Jan 2011	21	0	19	1	0	32	6060.50	1354	32
Feb 2011	26	0	24	1	0	27	6060.22	1351	27
Mar 2011	77	0	73	2	4	31	6063.02	1387	31
Apr 2011	140	10	122	3	17	30	6068.46	1459	30
May 2011	260	21	208	4	29	85	6074.85	1549	85
Jun 2011	240	6	221	5	44	147	6076.60	1574	147
Jul 2011	45	1	62	5	47	37	6074.80	1548	37
Aug 2011	26	0	48	4	39	42	6072.20	1511	42
Sep 2011	34	0	49	3	22	36	6071.30	1499	36
WY 2011	941	38	890	30	210	564			574
Oct 2011	40	0	47	2	8	31	6071.74	1505	31
Nov 2011	33	0	31	1	0	30	6071.72	1505	30
Dec 2011	24	0	22	1	0	31	6071.07	1495	31
Jan 2012	22	0	20	1	0	31	6070.23	1484	31
Feb 2012	30	0	29	1	0	28	6070.21	1483	28
Mar 2012	88	0	83	2	4	60	6071.43	1500	60
Apr 2012	174	11	151	3	17	60	6076.44	1572	60
May 2012	279	26	229	4	29	200	6076.13	1568	200
Jun 2012	246	14	216	5	44	212	6073.04	1523	212
Jul 2012	74	2	84	5	47	37	6072.74	1519	37
Aug 2012	43	0	63	4	39	42	6071.15	1497	42
Sep 2012	42	0	54	3	22	36	6070.64	1490	36
WY 2012	1096	53	1029	30	210	797			797
Oct 2012	40	0	40	2	8	31	6070.58	1489	31

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Lake Powell

08-Nov-2010 16:38:00

	Unreg Inflow Ac-Ft	Regulated Inflow Ac-Ft	Evap Losses Ac-Ft	PowerPlant Release Ac-Ft	Bypass Release Ac-Ft	Total Release Ac-Ft	Reservoir Elevation Feet	Bank Storage Ac-Ft	EOM Storage Ac-Ft	Lees Ferry Ac-Ft
* Nov 2009	421	495	39	692	0	692	3631.10	18018	14976	702
H Dec 2009	308	437	30	901	0	901	3626.22	18066	14434	925
I Jan 2010	302	425	9	900	0	900	3622.14	18023	13991	925
S Feb 2010	294	384	10	631	0	631	3620.16	17978	13780	644
T Mar 2010	477	474	17	602	0	602	3619.41	17912	13701	612
O Apr 2010	944	717	26	602	0	602	3620.50	17886	13816	614
R May 2010	1399	1224	32	601	0	601	3625.96	17887	14405	612
I Jun 2010	2776	2321	53	601	0	601	3638.82	18096	15864	612
C Jul 2010	674	706	65	802	0	802	3636.52	18203	15596	824
A Aug 2010	504	608	64	802	0	802	3634.55	18172	15369	826
L Sep 2010	277	461	58	480	0	480	3633.66	18197	15267	490
WY 2010	8737	8777	444	8234	0	8235				8419
* Oct 2010	362	512	41	495	0	495	3634.08	18125	15315	502
Nov 2010	425	453	39	810	0	810	3630.85	18096	14948	810
Dec 2010	375	421	30	865	0	865	3626.91	18061	14509	865
Jan 2011	350	402	9	865	0	865	3622.89	18026	14072	865
Feb 2011	325	362	10	800	0	800	3619.00	17993	13658	800
Mar 2011	550	499	16	805	0	805	3616.15	17969	13360	805
Apr 2011	850	684	26	716	0	716	3615.64	17964	13306	716
May 2011	1900	1620	31	710	0	710	3623.33	18029	14120	710
Jun 2011	2500	2178	51	738	0	738	3634.87	18132	15406	738
Jul 2011	1050	1029	64	845	0	845	3635.84	18141	15517	845
Aug 2011	500	638	64	875	0	875	3633.42	18119	15239	875
Sep 2011	450	578	58	476	0	476	3633.77	18122	15280	476
WY 2011	9637	9377	439	9000	0	9000				9007
Oct 2011	514	557	41	492	0	492	3633.97	18124	15302	492
Nov 2011	523	546	39	800	0	800	3631.58	18102	15031	800
Dec 2011	414	526	30	950	0	950	3627.82	18069	14610	950
Jan 2012	384	488	9	950	0	950	3623.83	18034	14174	950
Feb 2012	398	459	10	900	0	900	3619.94	18000	13756	900
Mar 2012	628	583	16	900	0	900	3617.00	17976	13448	900
Apr 2012	950	775	26	1000	0	1000	3614.77	17957	13216	1000
May 2012	2161	1875	31	1125	0	1125	3621.13	18011	13883	1125
Jun 2012	2811	2437	50	1176	0	1176	3631.34	18100	15004	1176
Jul 2012	1346	1253	62	1250	0	1250	3630.86	18096	14950	1250
Aug 2012	566	704	61	1200	0	1200	3626.22	18055	14434	1200
Sep 2012	460	625	55	714	0	714	3625.00	18044	14300	714
WY 2012	11154	10829	430	11457	0	11457				11457
Oct 2012	514	611	38	738	0	738	3623.59	18032	14147	738

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Hoover Dam - Lake Mead

08-Nov-2010 16:38:00

	Glen Release	Side Inflow	Evap Losses	Total Release	Total Release	SNWP Use	Dwnstrm Reqmts	Bank Storage	Reservoir Elevation	EOM Storage
	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	1000 CFS	1000 Ac-Ft	1000 Ac-Ft	1000 Ac-Ft	EOM Feet	1000 Ac-Ft
* Nov 2009	692	39	44	648	10.9	15	647	710	1093.52	10919
H Dec 2009	901	51	39	646	10.5	9	629	726	1096.30	11162
I Jan 2010	900	124	32	634	10.3	6	578	747	1100.02	11493
S Feb 2010	631	112	30	400	7.2	6	399	766	1103.21	11780
T Mar 2010	602	87	33	889	14.5	12	868	751	1100.66	11550
O Apr 2010	602	138	41	933	15.7	19	856	735	1098.00	11313
R May 2010	601	87	47	961	15.6	28	933	714	1094.30	10987
I Jun 2010	601	30	55	1007	16.9	27	1006	686	1089.30	10556
C Jul 2010	802	29	68	941	15.3	33	937	673	1086.97	10357
A Aug 2010	802	126	72	829	13.5	33	823	673	1086.91	10352
L Sep 2010	480	82	59	758	12.7	23	755	656	1083.81	10092
WY 2010	8235	928	564	9260		235	9039			
* Oct 2010	495	78	42	638	10.4	22	605	648	1082.36	9971
Nov 2010	810	54	42	727	12.2	16	727	653	1083.25	10045
Dec 2010	865	57	37	660	10.7	10	660	666	1085.67	10247
Jan 2011	865	135	30	697	11.3	20	697	681	1088.46	10484
Feb 2011	800	135	28	626	11.3	18	626	697	1091.35	10731
Mar 2011	805	101	32	1013	16.5	24	1013	688	1089.55	10577
Apr 2011	716	71	39	1125	18.9	20	1125	663	1085.16	10204
May 2011	710	73	44	1004	16.3	31	1004	645	1081.82	9926
Jun 2011	738	28	53	881	14.8	26	881	633	1079.61	9744
Jul 2011	845	61	66	892	14.5	28	892	628	1078.69	9668
Aug 2011	875	106	70	776	12.6	31	776	635	1079.88	9766
Sep 2011	476	71	57	658	11.1	22	658	623	1077.69	9587
WY 2011	9000	970	541	9698		268	9665			
Oct 2011	492	55	41	486	7.9	26	486	623	1077.60	9580
Nov 2011	800	54	42	613	10.3	25	613	633	1079.60	9743
Dec 2011	950	57	36	588	9.6	21	588	655	1083.70	10083
Jan 2012	950	135	30	684	11.1	20	684	677	1087.62	10413
Feb 2012	900	135	28	669	11.6	21	669	696	1091.10	10710
Mar 2012	900	101	32	1004	16.3	28	1004	692	1090.41	10651
Apr 2012	1000	71	39	1139	19.1	22	1139	684	1088.99	10529
May 2012	1125	73	45	985	16.0	32	985	693	1090.49	10657
Jun 2012	1176	28	55	841	14.1	29	841	710	1093.52	10918
Jul 2012	1250	61	70	888	14.4	31	888	729	1096.96	11220
Aug 2012	1200	106	76	811	13.2	32	811	753	1101.03	11583
Sep 2012	714	71	63	681	11.4	27	681	754	1101.17	11596
WY 2012	11457	946	559	9389		316	9389			
Oct 2012	738	55	46	465	7.6	39	465	769	1103.69	11824

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Davis Dam - Lake Mohave

08-Nov-2010 16:38:00

	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 Elevation EOM Feet	EOM Storage 1000 Ac-Ft
* Nov 2009	648	-15	10	590	0	590	9.9	635.61	1502
H Dec 2009	646	-24	9	532	0	532	8.7	638.68	1582
I Jan 2010	634	-15	10	456	0	456	7.4	644.34	1736
S Feb 2010	400	-4	10	442	0	442	8.0	642.31	1680
T Mar 2010	889	-18	13	862	0	862	14.0	642.17	1676
O Apr 2010	933	-17	17	878	0	878	14.8	642.94	1697
R May 2010	961	-19	22	937	0	937	15.2	642.30	1680
I Jun 2010	1007	-23	25	912	0	912	15.3	643.98	1726
C Jul 2010	941	-14	26	913	0	913	14.8	643.57	1714
A Aug 2010	829	-12	23	838	0	838	13.6	641.95	1670
L Sep 2010	758	-2	18	833	0	833	14.0	638.40	1575
WY 2010	9260	-172	197	8816	0	8816			
* Oct 2010	638	6	15	766	0	766	12.5	633.10	1437
Nov 2010	727	-9	10	646	0	646	10.9	635.50	1499
Dec 2010	660	-12	9	554	0	554	9.0	638.70	1583
Jan 2011	697	-13	10	591	0	591	9.6	641.80	1666
Feb 2011	626	-5	10	611	0	611	11.0	641.80	1666
Mar 2011	1013	-14	13	952	0	952	15.5	643.05	1700
Apr 2011	1125	-15	17	1095	0	1095	18.4	643.00	1699
May 2011	1004	-10	22	973	0	973	15.8	643.00	1699
Jun 2011	881	-2	25	881	0	881	14.8	642.00	1671
Jul 2011	892	3	25	883	0	883	14.4	641.50	1658
Aug 2011	776	-3	23	750	0	750	12.2	641.50	1658
Sep 2011	658	1	18	735	0	735	12.3	638.00	1564
WY 2011	9698	-73	197	9438	0	9438			
Oct 2011	486	5	15	607	0	607	9.9	633.00	1434
Nov 2011	613	-9	10	542	0	542	9.1	635.00	1486
Dec 2011	588	-12	9	469	0	469	7.6	638.71	1583
Jan 2012	684	-13	10	577	0	577	9.4	641.80	1666
Feb 2012	669	-5	10	655	0	655	11.4	641.80	1666
Mar 2012	1004	-14	13	943	0	943	15.3	643.05	1700
Apr 2012	1139	-15	17	1108	0	1108	18.6	643.00	1699
May 2012	985	-10	22	953	0	953	15.5	643.00	1699
Jun 2012	841	-2	25	841	0	841	14.1	642.00	1671
Jul 2012	888	3	25	880	0	880	14.3	641.50	1658
Aug 2012	811	-3	23	785	0	785	12.8	641.50	1658
Sep 2012	681	1	18	758	0	758	12.7	638.00	1564
WY 2012	9389	-73	197	9119	0	9119			
Oct 2012	465	5	15	585	0	585	9.5	633.00	1434

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Parker Dam - Lake Havasu

08-Nov-2010 16:38:00

	Davis Release	Side Inflow	Evap Losses	Total Release	Total Release	MWD Diversion	CAP diversion	Reservoir Elevation	EOM Storage	Flow_to Mexico	Flow_to Mexico
	Ac-Ft	Ac-Ft	Ac-Ft	Ac-Ft	CFS	Ac-Ft	Ac-Ft	Feet	Ac-Ft	Ac-Ft	CFS
* Nov 2009	590	32	9	365	6.1	107	144	447.61	573	103	1.7
H Dec 2009	532	28	7	301	4.9	104	149	447.34	568	135	2.2
I Jan 2010	456	41	6	233	3.8	99	126	448.89	597	174	2.8
S Feb 2010	442	10	8	331	6.0	66	91	446.29	548	141	2.5
T Mar 2010	862	55	9	668	10.9	90	128	447.15	564	233	3.8
O Apr 2010	878	34	11	670	11.3	43	153	448.61	592	210	3.5
R May 2010	937	24	13	662	10.8	102	172	448.83	596	114	1.9
I Jun 2010	912	23	16	650	10.9	91	171	448.64	592	113	1.9
C Jul 2010	913	17	17	743	12.1	107	50	448.61	592	126	2.1
A Aug 2010	838	21	17	646	10.5	108	84	448.20	584	101	1.6
L Sep 2010	833	17	15	583	9.8	98	171	446.95	560	93	1.6
WY 2010	8816	318	140	6300		1043	1572			1618	
* Oct 2010	766	25	12	465	7.6	102	165	449.14	602	109	1.8
Nov 2010	646	22	9	411	6.9	96	178	447.50	571	109	1.8
Dec 2010	554	20	7	297	4.8	99	177	447.00	561	118	1.9
Jan 2011	591	34	6	363	5.9	97	164	446.50	552	122	2.0
Feb 2011	611	40	8	452	8.1	31	155	446.50	552	153	2.8
Mar 2011	952	45	9	708	11.5	97	172	446.70	555	208	3.4
Apr 2011	1095	15	11	793	13.3	94	165	448.70	593	200	3.4
May 2011	973	11	13	704	11.5	98	157	448.70	593	111	1.8
Jun 2011	881	7	16	675	11.3	95	89	448.70	593	112	1.9
Jul 2011	883	14	17	733	11.9	75	72	448.00	580	118	1.9
Aug 2011	750	20	17	618	10.1	65	67	447.50	571	92	1.5
Sep 2011	735	13	15	526	8.8	64	146	446.81	557	89	1.5
WY 2011	9438	265	140	6746		1013	1708			1542	
Oct 2011	607	20	12	438	7.1	66	112	446.31	548	72	1.2
Nov 2011	542	22	8	372	6.2	64	110	446.50	552	105	1.8
Dec 2011	469	20	6	287	4.7	68	124	446.50	552	118	1.9
Jan 2012	577	34	6	347	5.6	88	165	446.50	552	122	2.0
Feb 2012	655	40	8	444	7.7	80	156	446.50	552	153	2.7
Mar 2012	943	45	9	704	11.4	88	174	446.70	555	208	3.4
Apr 2012	1108	15	11	813	13.7	86	166	448.70	593	200	3.4
May 2012	953	11	13	692	11.3	89	159	448.70	593	111	1.8
Jun 2012	841	7	16	641	10.8	86	90	448.70	593	112	1.9
Jul 2012	880	14	17	715	11.6	88	72	448.00	580	118	1.9
Aug 2012	785	20	17	628	10.2	88	68	447.50	571	92	1.5
Sep 2012	758	13	15	548	9.2	64	148	446.81	557	89	1.5
WY 2012	9119	260	139	6628		957	1545			1500	
Oct 2012	585	20	12	455	7.4	27	113	446.31	548	72	1.2

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Hoover Dam - Lake Mead

08-Nov-2010 16:38:00

	Power Release	Power Release	EOM Reservoir	EOM Storage	Change_In Storage	Hoover Static Head	Hoover Generator Capacity	Hoover Gross Energy	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Elevation Feet	1000 Ac-Ft	Ac-Ft	Feet	MW	MKWH		
* Nov 2009	648	10.9	1093.52	10919	23	451.32	1358.0	251.9	82	388.7
H Dec 2009	646	10.5	1096.30	11162	243	451.68	1037.0	248.8	63	385.3
I Jan 2010	634	10.3	1100.02	11493	330	452.24	1050.0	248.9	63	392.4
S Feb 2010	400	7.2	1103.21	11780	288	456.23	1044.0	152.7	63	381.5
T Mar 2010	889	14.5	1100.66	11550	-230	452.57	1272.0	353.9	75	398.0
O Apr 2010	933	15.7	1098.00	11313	-237	451.78	1392.0	370.4	82	397.0
R May 2010	961	15.6	1094.30	10987	-326	449.26	1371.0	378.0	82	393.4
I Jun 2010	1007	16.9	1089.30	10556	-431	442.32	1556.0	390.5	94	387.7
C Jul 2010	941	15.3	1086.97	10357	-198	441.50	1640.0	360.3	100	382.9
A Aug 2010	829	13.5	1086.91	10352	-5	443.45	1617.0	313.3	100	378.0
L Sep 2010	758	12.7	1083.81	10092	-261	439.46	1617.0	285.1	100	375.9
WY 2010	9260							3589.4		
* Oct 2010	638	10.4	1082.36	9971	-121	440.25	1104.0	241.3	68	378.5
Nov 2010	727	12.2	1083.25	10045	74	437.72	1185.0	287.7	74	396.0
Dec 2010	660	10.7	1085.67	10247	202	436.15	1403.0	254.4	87	385.5
Jan 2011	697	11.3	1088.46	10484	237	438.61	1131.0	274.9	69	394.1
Feb 2011	626	11.3	1091.35	10731	246	438.47	1441.0	244.1	87	390.0
Mar 2011	1013	16.5	1089.55	10577	-153	438.58	1441.0	399.3	88	394.2
Apr 2011	1125	18.9	1085.16	10204	-373	434.74	1495.0	447.3	91	397.6
May 2011	1004	16.3	1081.82	9926	-278	429.98	1646.0	384.8	100	383.2
Jun 2011	881	14.8	1079.61	9744	-183	427.56	1658.0	337.8	100	383.3
Jul 2011	892	14.5	1078.69	9668	-75	426.49	1674.0	340.1	100	381.3
Aug 2011	776	12.6	1079.88	9766	98	426.79	1692.0	298.1	100	384.0
Sep 2011	658	11.1	1077.69	9587	-179	427.43	1694.0	249.0	100	378.3
WY 2011	9698							3758.9		
Oct 2011	486	7.9	1077.60	9580	-7	429.76	1495.0	186.8	87	383.9
Nov 2011	613	10.3	1079.60	9743	163	434.44	1164.0	240.0	68	391.6
Dec 2011	588	9.6	1083.70	10083	340	434.22	1397.0	226.6	81	385.3
Jan 2012	684	11.1	1087.62	10413	330	437.41	1176.0	268.3	68	392.5
Feb 2012	669	11.6	1091.10	10710	297	438.53	1426.0	262.9	82	392.7
Mar 2012	1004	16.3	1090.41	10651	-59	439.60	1394.0	397.9	81	396.5
Apr 2012	1139	19.1	1088.99	10529	-121	437.07	1567.9	455.7	91	400.3
May 2012	985	16.0	1090.49	10657	128	436.18	1720.0	381.6	100	387.4
Jun 2012	841	14.1	1093.52	10918	261	438.75	1720.0	335.9	100	399.3
Jul 2012	888	14.4	1096.96	11220	302	442.45	1720.0	358.4	100	403.4
Aug 2012	811	13.2	1101.03	11583	363	446.34	1720.0	326.4	100	402.6
Sep 2012	681	11.4	1101.17	11596	12	449.57	1720.0	271.1	100	397.9
WY 2012	9389							3711.7		
Oct 2012	465	7.6	1103.69	11824	228	454.37	1504.6	185.8	87	399.8

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Davis Dam - Lake Mohave

08-Nov-2010 16:38:00

	Power Release	Power Release	EOM Reservoir	EOM Storage	Change_In Storage	Davis Static Head	Davis Generator Capacity	Davis Gross Energy	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Elevation Feet	1000 Ac-Ft	Ac-Ft	Feet	MW	MKWH		
* Nov 2009	590	9.9	635.61	1502	33	136.02	186.2	70.9	73	120.3
H Dec 2009	532	8.7	638.68	1582	81	139.08	188.7	65.9	74	123.8
I Jan 2010	456	7.4	644.34	1736	153	144.98	204.0	57.9	80	127.1
S Feb 2010	442	8.0	642.31	1680	-56	138.83	216.8	56.9	85	128.6
T Mar 2010	862	14.0	642.17	1676	-4	138.67	249.9	109.8	98	127.5
O Apr 2010	878	14.8	642.94	1697	21	141.04	255.0	111.0	100	126.4
R May 2010	937	15.2	642.30	1680	-17	140.64	255.0	118.5	100	126.4
I Jun 2010	912	15.3	643.98	1726	46	140.66	255.0	115.5	100	126.6
C Jul 2010	913	14.8	643.57	1714	-11	141.98	242.2	115.3	95	126.4
A Aug 2010	838	13.6	641.95	1670	-44	140.67	255.0	105.9	100	126.4
L Sep 2010	833	14.0	638.40	1575	-95	137.24	255.0	102.6	100	123.1
WY 2010	8816							1104.5		
* Oct 2010	766	12.5	633.10	1437	-138	129.52	209.1	92.1	82	120.2
Nov 2010	646	10.9	635.50	1499	62	130.12	153.0	76.7	60	118.8
Dec 2010	554	9.0	638.70	1583	84	132.77	160.7	67.7	63	122.0
Jan 2011	591	9.6	641.80	1666	83	136.31	153.0	73.7	60	124.6
Feb 2011	611	11.0	641.80	1666	0	137.77	155.5	76.7	61	125.5
Mar 2011	952	15.5	643.05	1700	34	136.79	206.6	118.7	81	124.6
Apr 2011	1095	18.4	643.00	1699	-2	137.46	204.0	136.1	80	124.3
May 2011	973	15.8	643.00	1699	0	136.04	255.0	121.6	100	125.0
Jun 2011	881	14.8	642.00	1671	-27	135.51	255.0	110.0	100	124.9
Jul 2011	883	14.4	641.50	1658	-14	134.73	255.0	109.9	100	124.3
Aug 2011	750	12.2	641.50	1658	0	134.46	255.0	93.7	100	124.8
Sep 2011	735	12.3	638.00	1564	-94	132.62	255.0	90.5	100	123.2
WY 2011	9438							1167.4		
Oct 2011	607	9.9	633.00	1434	-130	128.65	237.2	73.0	93	120.3
Nov 2011	542	9.1	635.00	1486	51	127.14	234.6	64.7	92	119.2
Dec 2011	469	7.6	638.71	1583	97	130.00	239.7	57.4	94	122.4
Jan 2012	577	9.4	641.80	1666	83	134.16	219.3	72.0	86	124.7
Feb 2012	655	11.4	641.80	1666	0	135.05	244.8	82.1	96	125.4
Mar 2012	943	15.3	643.05	1700	34	135.44	255.0	117.5	100	124.7
Apr 2012	1108	18.6	643.00	1699	-2	136.07	255.0	137.7	100	124.2
May 2012	953	15.5	643.00	1699	0	136.04	255.0	119.3	100	125.1
Jun 2012	841	14.1	642.00	1671	-27	135.51	255.0	105.2	100	125.1
Jul 2012	880	14.3	641.50	1658	-14	134.73	255.0	109.4	100	124.4
Aug 2012	785	12.8	641.50	1658	0	134.46	255.0	97.9	100	124.7
Sep 2012	758	12.7	638.00	1564	-94	132.62	255.0	93.3	100	123.1
WY 2012	9119							1129.5		
Oct 2012	585	9.5	633.00	1434	-130	128.65	237.2	70.5	93	120.4

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Parker Dam - Lake Havasu

08-Nov-2010 16:38:00

	Power Release	Power Release	EOM Reservoir Elevation	EOM Storage Feet	Change_In Storage Ac-Ft	Parker Static Head Feet	Parker Generator Capacity MW	Parker Gross Energy MKWH	Percent Of Units Available	KWH/AF
	1000 Ac-Ft	1000 CFS	Reservoir Feet	Storage Ac-Ft	Change_In Ac-Ft					
* Nov 2009	365	6.1	447.61	573	-8	81.65	66.0	25.9	55	71.0
H Dec 2009	299	4.9	447.34	568	-5	81.50	76.8	20.2	64	67.4
I Jan 2010	233	3.8	448.89	597	29	82.98	66.0	15.6	55	66.8
S Feb 2010	331	6.0	446.29	548	-49	78.17	90.0	22.8	75	68.8
T Mar 2010	668	10.9	447.15	564	16	81.28	90.0	45.4	75	67.9
O Apr 2010	670	11.3	448.61	592	28	81.42	90.0	46.8	75	69.8
R May 2010	662	10.8	448.83	596	4	81.45	115.2	46.0	96	69.6
I Jun 2010	650	10.9	448.64	592	-4	80.58	120.0	46.4	100	71.3
C Jul 2010	743	12.1	448.61	592	-1	82.51	120.0	50.9	100	68.4
A Aug 2010	646	10.5	448.20	584	-8	81.98	120.0	44.7	100	69.2
L Sep 2010	583	9.8	446.95	560	-24	80.89	103.2	41.6	86	71.4
WY 2010	6298							436.8		
* Oct 2010	465	7.6	449.14	602	42	82.79	90.0	31.4	75	67.4
Nov 2010	411	6.9	447.50	571	-32	76.97	92.4	27.1	77	66.1
Dec 2010	297	4.8	447.00	561	-9	75.56	99.6	18.9	83	63.6
Jan 2011	363	5.9	446.50	552	-9	74.96	102.0	23.2	85	64.0
Feb 2011	452	8.1	446.50	552	0	73.92	120.0	29.0	100	64.2
Mar 2011	708	11.5	446.70	555	4	74.01	120.0	46.0	100	64.9
Apr 2011	793	13.3	448.70	593	38	75.08	120.0	52.4	100	66.0
May 2011	704	11.5	448.70	593	0	76.05	120.0	46.8	100	66.5
Jun 2011	675	11.3	448.70	593	0	76.05	120.0	44.8	100	66.5
Jul 2011	733	11.9	448.00	580	-13	75.71	120.0	48.6	100	66.3
Aug 2011	618	10.1	447.50	571	-10	75.13	120.0	40.5	100	65.5
Sep 2011	526	8.8	446.81	557	-13	74.55	120.0	34.1	100	64.8
WY 2011	6746							442.9		
Oct 2011	438	7.1	446.31	548	-9	74.77	102.0	28.3	85	64.5
Nov 2011	372	6.2	446.50	552	3	74.62	102.0	23.8	85	64.0
Dec 2011	287	4.7	446.50	552	0	74.71	102.0	18.0	85	62.9
Jan 2012	347	5.6	446.50	552	0	74.71	102.0	22.1	85	63.7
Feb 2012	444	7.7	446.50	552	0	73.92	120.0	28.5	100	64.0
Mar 2012	704	11.4	446.70	555	4	74.01	120.0	45.7	100	64.9
Apr 2012	813	13.7	448.70	593	38	75.08	120.0	53.7	100	66.1
May 2012	692	11.3	448.70	593	0	76.05	120.0	46.0	100	66.4
Jun 2012	641	10.8	448.70	593	0	76.05	120.0	42.5	100	66.4
Jul 2012	715	11.6	448.00	580	-13	75.71	120.0	47.3	100	66.3
Aug 2012	628	10.2	447.50	571	-10	75.13	120.0	41.2	100	65.6
Sep 2012	548	9.2	446.81	557	-13	74.55	120.0	35.6	100	64.9
WY 2012	6628							432.7		
Oct 2012	455	7.4	446.31	548	-9	74.77	102.0	29.4	85	64.7

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

Bureau of Reclamation - CRFS 11/2010 Most Prob Water Supply
Upper Basin Power

08-Nov-2010 16:38:00

	Glen Canyon	Flam Gorge	Blue Mesa	Morrow Point	Crystal Res	Font Res
	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
* Nov 2009	309	42	8	9	4	0
H Dec 2009	403	42	13	17	9	0
I Jan 2010	401	43	12	16	8	3
S Feb 2010	279	34	11	14	4	3
T Mar 2010	269	23	9	11	6	3
Winter 2010	1995	211	78	98	49	14
O Apr 2010	265	19	13	19	13	3
R May 2010	267	39	31	45	21	3
I Jun 2010	272	54	15	22	18	4
C Jul 2010	368	38	30	34	20	8
A Aug 2010	366	40	27	33	19	6
L Sep 2010	217	42	25	32	19	2
Summer 2010	1755	231	142	186	109	25
* Oct 2010	226	30	24	29	16	0
Nov 2010	341	23	8	11	6	5
Dec 2010	362	23	8	11	6	5
Jan 2011	359	23	8	11	6	4
Feb 2011	330	21	8	10	5	4
Mar 2011	330	18	9	13	7	4
Winter 2011	1949	139	66	85	46	21
Apr 2011	293	17	12	18	11	5
May 2011	292	38	27	40	23	7
Jun 2011	309	68	16	26	18	8
Jul 2011	358	30	34	41	21	10
Aug 2011	370	30	38	45	22	10
Sep 2011	201	29	34	41	21	3
Summer 2011	1822	211	161	211	116	43
Oct 2011	208	30	17	22	12	6
Nov 2011	337	29	8	11	6	6
Dec 2011	398	30	25	31	16	5
Jan 2012	395	30	23	29	15	5
Feb 2012	371	28	16	21	11	4
Mar 2012	369	30	10	14	8	4
Winter 2012	2077	174	100	129	68	31
Apr 2012	407	29	14	21	12	5
May 2012	460	39	32	49	23	6
Jun 2012	489	78	18	29	21	9
Jul 2012	525	50	31	38	21	10
Aug 2012	501	50	38	45	23	8
Sep 2012	297	48	35	42	21	6
Summer 2012	2679	292	169	225	122	45
Oct 2012	306	49	18	22	12	6

model_run_id = 2080

FLOOD CONTROL CRITERIA
BEGINNING OF MONTH CONDITIONS

MON	YEAR	FLOOD CONTROL CRITERIA												BOM				MEAD		MEAD		SYS	
		FLAMING	BLUE		LAKE	UPPER	BASIN	LAKE		FLAMING	BLUE		TOT OR	MAX	LAKE	LAKE		SPACE	SCHED	FC	REL	REL	
		GORGE	MESA	NAVAJO	POWELL	TOTAL	MEAD	TOTAL	GORGE	MESA	NAVAJO	ALLOW	POWELL	MEAD	TOTAL	REQD	KAF	KAF	KAF	KAF	KAF	MAF	
NOV	2010	713	277	303	9007	10300	17406	27707	713	277	303	1293	9007	17406	27707	3810	727					0	32.6
DEC	2010	740	276	314	9374	10704	17332	28036	740	276	314	1330	9374	17332	28036	4580	660					0	32.3
JAN	2011	773	280	328	9813	11193	17130	28323	773	280	328	1380	9813	17130	28323	5350	697					0	32.2
		*	*	*	*	P R E D I C T E D	S P A C E	*	*	*	*	*	*	C R E D I T A B L E	S P A C E	*	*	*	*	*	*	*	
JAN	2011	773	280	328	9813	11193	17130	28323	249	258	328	835	9813	17130	27778	5350	697					0	32.2
FEB	2011	808	285	342	10250	11685	16893	28578	283	266	342	891	10250	16893	28033	1500	626					0	31.9
MAR	2011	838	292	345	10664	12139	16646	28786	310	275	345	930	10664	16646	28241	1500	1013					0	31.6
APR	2011	830	293	309	10962	12394	16800	29194	297	279	309	885	10962	16800	28648	1500	1125					0	31.3
MAY	2011	784	265	237	11016	12302	17173	29474	244	250	221	715	11016	17173	28904	1500	1004					0	32.1
JUN	2011	733	182	147	10202	11265	17451	28715	184	155	99	438	10202	17451	28091	1500	881					0	33.5
JUL	2011	638	27	122	8916	9703	17633	27336	79	-19	25	85	8916	17633	26635	1500	892					0	33.5
		*	*	*	*	P R E D I C T E D	S P A C E	*	*	*	*	*	*	C R E D I T A B L E	S P A C E	*	*	*	*	*	*	*	
AUG	2011	576	44	148	8805	9572	17709	27280	576	44	148	767	8805	17709	27280	1500	776					0	33.2
SEP	2011	601	114	185	9083	9981	17611	27592	601	114	185	899	9083	17611	27592	2270	658					0	32.8
OCT	2011	638	186	197	9042	10063	17790	27853	638	186	197	1021	9042	17790	27853	3040	486					0	32.6
NOV	2011	668	205	191	9020	10084	17797	27881	668	205	191	1064	9020	17797	27881	3810	613					0	32.5
DEC	2011	700	201	191	9291	10384	17634	28018	700	201	191	1093	9291	17634	28018	4580	588					0	32.4
JAN	2012	747	260	201	9712	10920	17294	28214	747	260	201	1208	9712	17294	28214	5350	684					0	32.3
		*	*	*	*	E F F E C T I V E	S P A C E	*	*	*	*	*	*	C R E D I T A B L E	S P A C E	*	*	*	*	*	*	*	
JAN	2012	747	260	201	9712	10920	17294	28214	446	260	184	889	9712	17294	27895	5350	684					0	32.3
FEB	2012	789	313	212	10148	11463	16964	28427	486	313	194	994	10148	16964	28106	1500	669					0	32.1
MAR	2012	822	345	213	10566	11945	16667	28613	516	345	194	1055	10566	16667	28288	1500	1004					0	31.8
APR	2012	804	346	196	10874	12219	16726	28946	493	346	171	1010	10874	16726	28610	1500	1139					0	31.7
MAY	2012	748	322	124	11106	12299	16848	29147	429	322	80	831	11106	16848	28784	1500	985					0	32.7
JUN	2012	600	234	128	10439	11401	16720	28121	270	231	51	553	10439	16720	27712	1500	841					0	34.4
JUL	2012	429	48	173	9318	9967	16459	26426	83	21	47	151	9318	16459	25928	1500	888					0	34.7
		*	*	*	*	P R E D I C T E D	S P A C E	*	*	*	*	*	*	C R E D I T A B L E	S P A C E	*	*	*	*	*	*	*	
AUG	2012	363	27	177	9372	9940	16157	26096	363	27	177	567	9372	16157	26096	1500	811					0	34.4
SEP	2012	416	77	199	9888	10580	15794	26373	416	77	199	692	9888	15794	26373	2270	681					0	34.0
OCT	2012	498	146	206	10022	10872	15781	26653	498	146	206	851	10022	15781	26653	3040	465					0	33.8