

November 24-Month Study
Date: November 14, 2013

From: Water Resources Group, Salt Lake City
To: All Colorado River Annual Operating Plan (AOP) Recipients

Current Reservoir Status

Reservoir	October Inflow (unregulated) (acre-feet)	Percent of Average (%)	November 13 Midnight Elevation (feet)	Reservoir Storage (acre-feet)
Fontenelle	53,000	109	6491.83	239,000
Flaming Gorge	68,000	115	6015.37	2,819,000
Blue Mesa	48,000	126	7457.43	356,000
Navajo	57,000	122	6024.39	953,000
Powell	549,000	107	3589.18	10,746,000

Expected Operations

The operation of Lake Powell and Lake Mead in this November 2013 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 2013 Annual Operating Plan (AOP) and draft 2014 AOP. Pursuant to the Interim Guidelines, the August 2013 24-Month Study projections of the January 1, 2014, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2014.

Consistent with Section 6.C.1 of the Interim Guidelines, the Lake Powell operational tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf. This was determined in the August 2013 24-Month study which projected that, with an 8.23 maf annual release pattern in water year 2014, the January 1, 2014, the Lake Powell elevation would be below 3,575.0 feet and the Lake Mead elevation would be above 1,025.0 feet.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar years 2013 and 2014.

The tier determinations will be documented in the 2014 AOP, which is currently in the final stages of development.

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

The 2013 AOP is available for download at http://www.usbr.gov/uc/water/rsrvs/ops/aop/AOP13_final.pdf.

The Draft 2014 AOP is available for download at http://www.usbr.gov/lc/region/g4000/AOP2014/AOP14_draft.pdf.

Fontenelle Reservoir – Inflows to Fontenelle Reservoir for the month of October were 53,000 acre-feet (AF), or 109 percent of average. The reservoir elevation is 6491.8 feet, 70 percent of live capacity. Inflows are averaging 800 cubic feet per second (cfs) and are expected to remain steady or decrease over the next month. The fall and winter season continues to be wetter than forecasted and forecasted continue to increase. Fontenelle releases are currently at 990 cfs and are expected to remain at that level for the remainder of the winter, but releases may be revised to respond to significant changes in hydrology. Projected are updated monthly and new projections will be posted.

Inflows for the next three months are projected to be below average: with November, December and January forecasted inflow volumes at 42,000 AF (95% of average), 30,000 AF (94% of average), and 27,000 AF (90% of average), respectively. The observed April through July unregulated inflow volume was 317,000 af or 44 percent of the 1981-2010 thirty-year average.

The next Fontenelle Working Group meeting is scheduled for April 23, 2014, at 10:00 am at the Seedskadee National Wildlife Refuge. The Fontenelle Working Group is an open public forum for information exchange between Reclamation and other parties associated with the operation of Fontenelle Reservoir. The autumn Fontenelle Working Group meeting was held on August 23, 2013 at the Joint Powers Water Board in Green River. Minutes from past meetings are posted on the Working Group webpages.

Flaming Gorge Reservoir – Unregulated inflow into Flaming Gorge Reservoir during the month of October was 68,000 acre-feet (AF), or 115 percent of average. The reservoir elevation is 6015.3 feet and holding steady. Observed inflows are averaging 900 cubic feet per second (cfs).

Flaming Gorge releases are currently 800 cfs steady minimum releases and are anticipated to remain at this level through winter until spring runoff beings sometime in May or June 2014. The reservoir elevation is projected to reach 6015 feet remain close to that level through the winter before increasing to a peak elevation next year of approximately 6026 feet.

Inflows for the next three months are projected to be below average: with November, December and January forecasted inflow volumes at 50,000 AF (98% of average), 33,000 AF (94% of average), and 34,000 AF (85% of average), respectively. The observed April

through July unregulated inflow volume is 361,000 AF or 37 percent of the 1981-2010 thirty-year average.

The next Flaming Gorge Working Group meeting is scheduled for April 24, 2014, at 11:00 a.m. to be held in the Utah Department of Natural Resources building in Vernal, Utah. The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stake holders of Flaming Gorge Dam. The public is encouraged to attend and comment on the operations and plans presented by Reclamation at these meetings. Meeting notes from past Working Group meetings are posted on the Working Group webpage. For more information on this group and these meetings please contact Ed Vidmar at 801-379-1182.

Aspinall Unit Reservoirs – October unregulated inflow into Blue Mesa Reservoir was 48,000 acre-feet or 126 percent of average. Precipitation during October was observed to be about 110 percent of average. The current inflow rate into Blue Mesa Reservoir is about 650 cfs while reservoir releases are averaging about 300 cfs. Blue Mesa's present elevation is 7456.64 feet, which corresponds to a storage content of about 351,000 acre-feet. The unregulated reservoir inflow into Blue Mesa Reservoir during water year 2013 was 560,500 acre-feet, or about 59 percent of average.

Releases from Crystal are currently set at 300 cfs. The Gunnison Diversion Tunnel was shut down for the season on October 30th, with exception of some small 50 to 100 cfs diversions taken bi-weekly for municipal water needs in Montrose, Colorado. River flows below the tunnel are essentially the same as releases from the Dam, with the exception of when the tunnel is taking water to refill Fairfield Reservoir for Montrose municipal water needs.

On November 1, 2013, the National Weather Service's River Forecasting Center issued its forecasted inflow into Blue Mesa for the next 3 months. The unregulated inflow forecast for November, December, and January is for 52,000 acre-feet, which is 95% of average for these months.

The next operation meeting is scheduled for 1:00 p.m., Thursday, January 23rd, 2014 at the Holiday Inn Express in Montrose, Colorado. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2014 operations will be discussed. These meetings are open forum discussions on the Aspinall Unit reservoir operations with many interested groups participating. Anyone needing further information about these meetings should contact Dan Crabtree in the Grand Junction Area Office at (970) 248-0652.

Navajo Reservoir – As a result of increasing flows in the San Juan River Basin, Reclamation decreased the release from Navajo Reservoir from 350 cfs (cubic feet per second) to 250 cfs on Tuesday, September 24th. Releases are made for the authorized purposes of the Navajo Unit, and to attempt to maintain a target base flow through the

endangered fish critical habitat reach of the San Juan River (Farmington to Lake Powell).

The San Juan River Basin Recovery Implementation Program recommends a target base flow of between 500 cfs and 1,000 cfs through the critical habitat area. The target base flow is calculated as the weekly average of gaged flows throughout the critical habitat area.

Navajo was at 6024.13 feet of pool elevation and 950,849 acre-feet of storage by the end of October, which was 69% of average for the end of the month. Modified unregulated inflow was 57,475 acre-feet, which was 122% of average for October. Calculated evaporation for the month was 1,307 acre-ft. The reservoir gained an average of 576 acre-feet per day throughout October, including NIIP diversions and evaporation. An average of 250 cfs was maintained from the auxiliary outlet works throughout all of October. NIIP diverted a total of 3,623 acre-ft. Navajo Reservoir recorded 1.05 inches of precipitation (85% of average).

As of November 4th, the release at Navajo is 250 cfs, and the observed inflow is 445 cfs. The reservoir elevation is 6024.24 feet and the content is 951,906 acre-feet, or 56% full (28% of Active). NIIP has ceased diverting for the season as of October 21st. The San Juan River at Four Corners USGS gage is at 756 cfs and the Animas River at Farmington USGS gage is at 432 cfs. The reservoir began storing water as of September 9th and continues to gain storage at present.

The most probable modified-unregulated inflow forecast* for November at Navajo is 34,000 acre-feet (102% of average), for December is 24,000 acre-feet (96% of average), and for January is 21,000 acre-feet (96% of average). Modified unregulated inflow is defined as the predicted hydrologic inflow volume into Navajo plus the change in storage at Vallecito Reservoir and the San-Juan Chama diversion volume.

The Fall Operations Meeting was held on August 27th at the Farmington Civic Center. The next Public Operations meeting is scheduled for January 21st 2014. These meetings are open forum discussions on the operation of Navajo Reservoir with many interested groups participating. Anyone interested in the general operation of the reservoir is encouraged to attend. Please contact Ryan Christianson in Reclamation's Durango, Colorado Office at (970) 385-6590 for information about these meetings or the daily operation of Navajo Reservoir.

Glen Canyon Dam / Lake Powell –

Current Status

The unregulated inflow volume to Lake Powell in October was 549 thousand acre-feet (kaf) (107% of average). The release volume from Glen Canyon Dam in October was 481 kaf. The end of October elevation and storage of Lake Powell were 3590.9 feet (109.1 feet from full pool) and 10.90 million acre-feet (maf) (45% of full capacity),

respectively. The reservoir elevation is now declining and will continue to decline through the fall and winter until spring runoff in 2014.

Current Operations

The operating tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf, as established in August 2013 and pursuant to the Interim Guidelines, Section 6.C.1. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible a 7.48 maf annual release volume by September 30, 2014.

From November 11-16, 2013, the Department of Interior is conducting a High Flow Experiment (HFE). Under the HFE Protocol, high flow releases are linked to sediment input and other resource conditions below Glen Canyon Dam. During the HFE, total releases from Glen Canyon Dam at full powerplant capacity and bypass may reach approximately 34,100 cfs. Releases will be maintained at peak release for 4 days (96 hours). The total experiment, including ramping, is expected to last just over five days. November releases from Glen Canyon Dam prior to and after the HFE are expected to fluctuate between 5,000cfs and 8,000cfs. The elevation of Lake Powell is expected to decrease approximately 2 ½ feet during the 5 day experiment. The total release volume in November, including the HFE, will be approximately 670 kaf. The annual release volume from Lake Powell remains 7.48 maf and will not change as a result of the HFE. In December, the release volume will likely be about 600 kaf, with fluctuations from about 6,000 cfs in the daytime to about 12,000 cfs in the nighttime and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). In January, the release volume will likely be about 800 kaf with daily fluctuations for hydropower.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 MW of system regulation. These instantaneous release adjustments stabilize the electrical generation and transmission system and translate to a range of about 1,200 cfs above or below the hourly scheduled release rate. Under system normal conditions, fluctuations for regulation are typically short lived and generally balance out over the hour with minimal or no noticeable impacts on downstream river flow conditions.

Releases from Glen Canyon Dam can also fluctuate beyond scheduled fluctuations for power generation when called upon as a partner that shares reserve requirements within the electrical generator community (i.e. balancing area). Reserves provide system reliability in the event of an unscheduled outage. Glen Canyon Dam typically maintains 41 MW of reserves (approximately 1,200 cfs). Reserve calls can be maintained for a maximum of 2 hours after which time the generation rate should be returned to the original schedule. If reserves from Glen Canyon Dam are called upon, releases from the dam can exceed scheduled levels and can have a noticeable impact on the river downstream from Glen Canyon Dam. Calls for reserves are fairly infrequent and typically are for much less than 41 MW.

Inflow Forecasts and Model Projections

The hydrologic forecast for water year 2014 for Lake Powell, issued by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume will be 9.75 maf (90% of average based on the period 1981-2010). The water year 2014 forecast increased slightly (100 kaf) since last month. At this early point in the season, there is significant uncertainty regarding next year's water supply. The forecast ranges from a minimum probable of 6.5 maf (60% of average) to a maximum probable of 16.5 maf (162% of average). There is a 10 percent chance that inflows could be higher than the maximum probable and a 10 percent chance they could be lower than the minimum probable.

Based on the current forecast, the November 24-Month study projects Lake Powell elevation will peak near approximately 3,605 ft next summer and end the water year near 3,599 feet with approximately 11.68 maf in storage (48% capacity). Note that projections of elevation and storage have significant uncertainty at this point in the season, primarily due to uncertainty regarding next season's snowpack and resulting inflow to Lake Powell. Under the minimum probable inflow scenario, last run in October, the projected summer peak is 3,586 ft and end of water year storage is 9.3 maf (38% capacity). Under the maximum probable inflow scenario, last run in October, the projected summer peak is 3,661 ft and end of water year storage is 18.4 maf (76% capacity). There is a 10 percent chance that inflows will be higher, resulting in higher elevation and storage, and 10 percent chance that inflows will be lower, resulting in lower elevation and storage. The annual release volume from Lake Powell during water year 2014 is projected to be 7.48 maf under all inflow scenarios.

Consistent with Section 6.C.1 of the Interim Guidelines, the Lake Powell operational tier for water year 2014 is the Mid-Elevation Release Tier with an annual release volume of 7.48 maf. This was determined in the August 2013 24-Month study tier determination run which projected that, with an 8.23 maf annual release pattern in water year 2014, the January 1, 2014, Lake Powell elevation would be below 3,575.0 feet and the Lake Mead elevation would be above 1,025.0 feet. This determination will be documented in the 2014 AOP, which is currently in the final stages of development.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 14-year period 2000 to 2013, however, the unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, was above average in only 3 out of the past 14 years. The period 2000-2014 is the lowest 14-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.25 maf, or 76% of the 30-year average (1981-2010). (For comparison, the 1981-2010 average is 10.83maf.) The unregulated inflow during the 2000-2013 period has ranged from a low of 2.64 maf (24% of average) in water year 2002 to a high of 15.97 maf (147% of average) in water year 2011. Under the current forecast, water year 2014 inflows to Lake Powell are expected to range between a minimum probable of 6.5 maf (60% of average) and a maximum probable of

16.5 maf (162% of average) with a most probable projection of 9.75 maf (90% of average).

At the beginning of water year 2014, total system storage in the Colorado River Basin was 29.9 maf (50% of 59.6 maf total system capacity). This is about 4 maf less than the total storage at the beginning of water year 2013 which began at 34.0 maf (57% of capacity). Since the beginning of water year 2000, total Colorado Basin storage has experienced year to year increases and decreases in response to wet and dry hydrology, ranging from a high of 94% of capacity at the beginning of 2000 to a low of 50% of capacity at the beginning of water year 2014. One wet year can significantly increase total system reservoir storage, just as persistent dry years can draw down the system storage. Based on current inflow forecasts, the current projected end of water year 2014 total Colorado Basin reservoir storage is approximately 29.6 maf (50% of capacity). The actual end of water year storage may vary significantly from this projection, primarily due to uncertainty regarding next season's snowpack and resulting runoff.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-430
125 SOUTH STATE STREET, ROOM 6107
SALT LAKE CITY, UT 84138-5571
PHONE 801-524-3709

RUNOFF AND INFLOW PROJECTIONS INTO UPPER BASIN RESERVOIRS ARE PROVIDED BY
THE COLORADO RIVER FORECASTING SERVICE THROUGH THE NATIONAL WEATHER SERVICES'S
COLORADO BASIN RIVER FORECAST CENTER AND ARE AS FOLLOWS

:			Obs		oct	Forecast		
:	jul	aug	sep	oct	%Avg	nov	dec	jan
GLDA3:Lake Powell	143	273	857	549	107%:	430/	300/	300/
GBRW4:Fontenelle	67	32	47	53	109%:	40/	30/	27/
GRNU1:Flaming Gorge	66	22	67	68	115%:	50/	33/	34/
BMDC2:Blue Mesa	44	46	57	48	126%:	31/	25/	21/
MPSC2:Morrow Point	45	46	58	50	123%:	33/	26/	23/
CLSC2:Crystal	48	50	63	55	117%:	37/	29/	26/
TPIC2:Taylor Park	8.9	6.6	7.9	6.9	104%:	5.1/	4.4/	3.8/
VCRC2:Vallecito	7.9	12.9	45	18.0	115%:	9.5/	6.5/	5.5/
NVRN5:Navajo	1.88	43	151	57	122%:	34/	24/	21/
LEMC2:Lemon	1.70	2.8	9.7	3.0	94%:	1.6/	1/	0.9/
MPHC2:McPhee	6.4	11.6	27	11.3e	128%:	7.7/	4.3/	3.3/
RBSC2:Ridgway	8.4	11.6	14.9	10.1	131%:	6.2/	4.4/	3.8/

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most 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)
*	Nov 2012	35	1	22	28	51	6489.08	221
H	Dec 2012	28	1	52	0	52	6485.19	196
I	Jan 2013	23	1	53	0	53	6479.94	166
S	Feb 2013	23	0	48	0	48	6475.03	141
T	Mar 2013	41	0	52	0	52	6472.41	129
O	Apr 2013	51	1	51	0	51	6472.25	128
R	May 2013	108	1	51	0	51	6483.26	185
I	Jun 2013	91	2	47	0	48	6489.79	226
C	Jul 2013	67	2	48	0	48	6492.28	243
A	Aug 2013	32	2	43	0	43	6490.28	229
L	Sep 2013	47	2	42	0	42	6490.87	233
	WY 2013	575	14	534	57	591		
*	Oct 2013	53	1	19	24	43	6492.11	241
	Nov 2013	40	1	56	0	56	6489.48	225
	Dec 2013	30	1	61	0	61	6484.64	194
	Jan 2014	27	1	61	0	61	6478.57	159
	Feb 2014	24	0	55	0	55	6472.00	128
	Mar 2014	42	0	61	0	61	6467.43	109
	Apr 2014	70	1	59	0	59	6469.98	119
	May 2014	144	1	98	7	105	6478.19	157
	Jun 2014	295	2	101	78	179	6496.31	272
	Jul 2014	195	3	102	19	121	6505.62	343
	Aug 2014	70	2	74	0	74	6504.86	337
	Sep 2014	43	2	36	36	71	6500.96	306
	WY 2014	1033	15	783	163	946		
	Oct 2014	47	1	72	0	72	6497.41	280
	Nov 2014	41	1	70	0	70	6493.32	251
	Dec 2014	32	1	72	0	72	6487.21	210
	Jan 2015	30	1	72	0	72	6480.18	168
	Feb 2015	28	0	65	0	65	6472.48	130
	Mar 2015	53	0	72	0	72	6467.84	110
	Apr 2015	85	1	71	0	71	6471.05	124
	May 2015	164	1	99	5	105	6482.61	182
	Jun 2015	299	2	103	76	179	6500.15	300
	Jul 2015	178	3	101	30	131	6505.81	344
	Aug 2015	77	2	80	0	80	6505.10	338
	Sep 2015	46	2	36	30	65	6502.36	317
	WY 2015	1079	15	912	141	1053		
	Oct 2015	49	1	68	0	68	6499.71	297

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Flaming Gorge Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Reg Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Bank Storage (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)	Jensen Flow (1000 Ac-Ft)
*	Nov 2012	39	55	3	49	0	49	122	6021.23	3023	75
H	Dec 2012	25	50	2	70	0	70	121	6020.63	3002	219
I	Jan 2013	24	53	2	74	0	74	120	6020.03	2981	579
S	Feb 2013	30	55	2	67	0	67	119	6019.65	2967	415
T	Mar 2013	64	76	3	53	0	53	120	6020.19	2986	109
O	Apr 2013	69	69	5	50	0	50	121	6020.57	3000	150
R	May 2013	135	77	7	67	0	67	121	6020.65	3003	438
I	Jun 2013	91	48	10	135	3	138	117	6017.91	2906	375
C	Jul 2013	66	47	12	68	0	68	116	6016.99	2875	100
A	Aug 2013	22	33	11	68	0	68	114	6015.71	2831	87
L	Sep 2013	67	62	10	66	0	66	113	6015.33	2818	95
	WY 2013	657	673	73	818	3	821				2713
*	Oct 2013	68	58	6	51	0	51	113	6015.35	2819	107
	Nov 2013	50	66	3	48	0	48	114	6015.79	2834	48
	Dec 2013	33	64	2	49	0	49	115	6016.16	2846	49
	Jan 2014	34	68	2	49	0	49	115	6016.64	2863	49
	Feb 2014	37	68	2	44	0	44	116	6017.24	2883	44
	Mar 2014	87	106	3	49	0	49	118	6018.74	2935	49
	Apr 2014	125	114	5	48	0	48	120	6020.42	2995	48
	May 2014	225	186	7	103	0	103	123	6022.45	3067	103
	Jun 2014	370	254	10	156	0	156	127	6024.76	3151	156
	Jul 2014	220	146	13	82	0	82	129	6026.09	3201	82
	Aug 2014	79	83	12	82	0	82	128	6025.79	3189	82
	Sep 2014	50	78	11	79	0	79	128	6025.48	3178	79
	WY 2014	1378	1291	76	840	0	840				897
	Oct 2014	55	81	7	82	0	82	127	6025.26	3170	82
	Nov 2014	50	78	3	79	0	79	127	6025.13	3165	79
	Dec 2014	35	75	2	82	0	82	127	6024.90	3156	82
	Jan 2015	40	82	2	82	0	82	127	6024.85	3155	82
	Feb 2015	45	82	2	74	0	74	127	6025.00	3160	74
	Mar 2015	102	122	3	82	0	82	129	6025.95	3195	82
	Apr 2015	134	119	5	79	0	79	130	6026.85	3229	79
	May 2015	245	186	8	127	0	127	132	6028.15	3278	127
	Jun 2015	390	269	11	158	0	158	136	6030.67	3375	158
	Jul 2015	210	163	14	98	0	98	138	6031.93	3424	98
	Aug 2015	89	92	13	98	0	98	137	6031.46	3406	98
	Sep 2015	55	75	11	95	0	95	136	6030.67	3375	95
	WY 2015	1449	1423	80	1138	0	1138				1138
	Oct 2015	59	78	7	98	0	98	135	6029.98	3348	98

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



	Date	Regulated Inflow (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Nov 2012	3	3	9301.07	57
H	Dec 2012	3	3	9301.09	57
I	Jan 2013	3	3	9301.07	57
S	Feb 2013	3	3	9301.01	57
T	Mar 2013	3	3	9301.27	57
O	Apr 2013	6	4	9302.94	59
R	May 2013	21	7	9312.29	74
I	Jun 2013	26	12	9320.43	88
C	Jul 2013	9	15	9316.95	81
A	Aug 2013	7	14	9312.37	74
L	Sep 2013	8	12	9309.95	70
WY 2013		96	83		
*	Oct 2013	7	6	9310.82	71
	Nov 2013	5	4	9311.50	72
	Dec 2013	4	4	9311.75	73
	Jan 2014	4	4	9311.62	73
	Feb 2014	3	4	9311.01	72
	Mar 2014	3	4	9310.63	71
	Apr 2014	7	8	9310.01	70
	May 2014	28	18	9316.03	80
	Jun 2014	41	21	9326.85	100
	Jul 2014	15	22	9323.21	93
	Aug 2014	9	18	9318.31	84
	Sep 2014	7	16	9313.08	75
WY 2014		134	129		
	Oct 2014	6	12	9309.65	69
	Nov 2014	5	6	9309.03	68
	Dec 2014	5	6	9308.18	67
	Jan 2015	4	6	9307.11	65
	Feb 2015	4	6	9305.65	63
	Mar 2015	4	6	9304.59	62
	Apr 2015	9	6	9306.45	64
	May 2015	28	14	9315.32	79
	Jun 2015	42	20	9327.09	100
	Jul 2015	20	20	9327.17	101
	Aug 2015	10	20	9322.11	91
	Sep 2015	7	16	9317.35	82
WY 2015		145	138		
	Oct 2015	7	12	9314.25	77

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow* Blue Mesa Reservoir



	Date	UnReg Inflow (1000 Ac-Ft)	Regulated Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Nov 2012	19	19	0	19	0	19	7452.39	326
H	Dec 2012	18	18	0	16	0	16	7452.65	328
I	Jan 2013	16	16	0	15	0	15	7452.77	328
S	Feb 2013	16	16	0	15	0	15	7452.95	329
T	Mar 2013	23	23	0		0	16	7454.12	336
O	Apr 2013	43	41	1	38	0	38	7454.46	338
R	May 2013	133	119	1	58	0	58	7464.34	399
I	Jun 2013	126	111	1	69	0	69	7470.58	440
C	Jul 2013	44	51	1	98	0	98	7463.20	391
A	Aug 2013	46	54	1	89	0	89	7457.29	355
L	Sep 2013	57	61	1	66	0	66	7456.24	348
	WY 2013	561	547	6	517	0	532		
*	Oct 2013	48	47	0	46	0	46	7456.34	349
	Nov 2013	31	30	0	17	0	17	7458.54	362
	Dec 2013	25	25	0	15	0	15	7460.17	372
	Jan 2014	21	21	0	14	0	14	7461.30	379
	Feb 2014	18	19	0	13	0	13	7462.23	385
	Mar 2014	30	31	0	18	0	18	7464.24	398
	Apr 2014	70	71	1	29	0	29	7470.51	439
	May 2014	235	225	1	107	0	107	7486.75	556
	Jun 2014	250	230	1	34	0	34	7510.59	751
	Jul 2014	90	97	2	92	0	92	7510.98	754
	Aug 2014	52	61	1	126	0	126	7503.25	688
	Sep 2014	37	46	1	114	0	114	7494.88	620
	WY 2014	907	902	8	623	0	623		
	Oct 2014	38	43	1	60	0	60	7492.75	603
	Nov 2014	31	32	0	30	0	30	7493.01	605
	Dec 2014	26	27	0	50	0	50	7490.00	581
	Jan 2015	24	26	0	55	0	55	7486.20	552
	Feb 2015	22	25	0	55	0	55	7482.11	521
	Mar 2015	36	38	0	32	0	32	7482.81	527
	Apr 2015	77	74	1	60	0	60	7484.63	540
	May 2015	221	207	1	109	0	109	7497.02	637
	Jun 2015	261	239	1	76	0	76	7516.00	799
	Jul 2015	117	117	2	112	0	112	7516.40	802
	Aug 2015	63	73	1	121	0	121	7510.87	753
	Sep 2015	38	47	1	112	0	112	7503.10	687
	WY 2015	954	947	9	871	0	871		
	Oct 2015	38	44	1	60	0	60	7501.13	671

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Morrow Point Reservoir



	Date	Unreg Inflow (1000 Ac-Ft)	Blue Mesa Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Total Inflow (1000 Ac-Ft)	Power Release (1000 Ac-Ft)	Bypass Release (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	Live Storage (1000 Ac-Ft)
*	Nov 2012	20	19	1	20	16	0	16	7148.49	108
H	Dec 2012	18	16	1	17	18	0	18	7146.50	106
I	Jan 2013	17	15	1	16	17	0	17	7144.75	105
S	Feb 2013	17	15	1	15	16	0	16	7144.30	105
T	Mar 2013	24	16	1	17	17	0	17	7144.36	105
O	Apr 2013	49	38	6	44	42	0	42	7146.71	107
R	May 2013	148	58	15	72	67	0	67	7154.02	112
I	Jun 2013	132	69	6	75	75	0	75	7154.39	113
C	Jul 2013	45	98	0	98	99	0	99	7153.53	112
A	Aug 2013	46	89	0	90	89	0	89	7154.91	113
L	Sep 2013	58	66	2	68	69	0	69	7154.20	112
	WY 2013	596	532	35	567	563	0	563		
*	Oct 2013	50	46	2	48	47	1	50	7152.26	111
	Nov 2013	33	17	2	19	17	0	17	7153.73	112
	Dec 2013	26	15	1	16	16	0	16	7153.73	112
	Jan 2014	23	14	2	16	16	0	16	7153.73	112
	Feb 2014	19	13	1	14	14	0	14	7153.73	112
	Mar 2014	31	18	1	19	19	0	19	7153.73	112
	Apr 2014	80	29	10	39	39	0	39	7153.73	112
	May 2014	250	107	15	122	122	0	122	7153.73	112
	Jun 2014	268	34	18	52	52	0	52	7153.73	112
	Jul 2014	94	92	4	96	96	0	96	7153.73	112
	Aug 2014	54	126	2	128	128	0	128	7153.73	112
	Sep 2014	39	114	2	116	116	0	116	7153.73	112
	WY 2014	967	623	60	683	681	1	684		
	Oct 2014	40	60	2	62	62	0	62	7153.73	112
	Nov 2014	33	30	2	32	32	0	32	7153.73	112
	Dec 2014	28	50	2	53	53	0	53	7153.73	112
	Jan 2015	27	55	2	57	57	0	57	7153.73	112
	Feb 2015	25	55	3	58	58	0	58	7153.73	112
	Mar 2015	40	32	4	36	36	0	36	7153.73	112
	Apr 2015	88	60	11	71	71	0	71	7153.73	112
	May 2015	247	109	26	135	135	0	135	7153.73	112
	Jun 2015	281	76	20	96	96	0	96	7153.73	112
	Jul 2015	123	112	6	118	118	0	118	7153.73	112
	Aug 2015	67	121	3	124	124	0	124	7153.73	112
	Sep 2015	41	112	3	115	115	0	115	7153.73	112
	WY 2015	1039	871	84	956	956	0	956		
	Oct 2015	41	60	3	62	62	0	62	7153.73	112

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*
Crystal Reservoir



		Unreg Inflow	Morrow Release	Side Inflow	Total Inflow	Power Release	Bypass Release	Total Release	Reservoir Elev End of Month	Live Storage	Tunnel Flow	Below Tunnel Flow
	Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)	(1000 Ac-Ft)
*	Nov 2012	23	16	4	19	21	0	21	6746.77	15	1	19
H	Dec 2012	22	18	4	22	22	0	22	6749.11	16	1	20
I	Jan 2013	20	17	4	21	19	2	21	6747.09	15	0	20
S	Feb 2013	20	16	3	19	10	9	19	6745.57	15	0	19
T	Mar 2013	29	17	5	21	22	0	22	6744.50	15	0	22
O	Apr 2013	55	42	7	49	51	0	51	6738.38	13	33	20
R	May 2013	161	67	13	80	80	0	80	6736.96	13	66	18
I	Jun 2013	144	75	11	86	84	0	84	6744.76	15	65	25
C	Jul 2013	49	99	4	103	101	1	102	6748.24	16	67	41
A	Aug 2013	50	89	3	92	92	1	93	6745.72	15	62	35
L	Sep 2013	63	69	5	74	73	0	73	6746.17	15	48	27
	WY 2013	660	563	65	628	613	14	627			363	286
*	Oct 2013	55	50	5	54	56	0	56	6741.56	14	36	22
	Nov 2013	37	17	4	21	18	0	18	6753.04	17	0	18
	Dec 2013	29	16	3	19	19	0	19	6753.04	17	0	19
	Jan 2014	26	16	3	19	19	0	19	6753.04	17	0	19
	Feb 2014	22	14	3	17	17	0	17	6753.04	17	0	17
	Mar 2014	36	19	5	24	24	0	24	6753.04	17	5	18
	Apr 2014	91	39	11	50	50	0	50	6753.04	17	30	20
	May 2014	295	122	45	167	134	33	167	6753.04	17	55	112
	Jun 2014	300	52	32	84	84	0	84	6753.04	17	60	24
	Jul 2014	104	96	10	106	106	0	106	6753.04	17	65	41
	Aug 2014	60	128	6	134	134	0	134	6753.04	17	65	69
	Sep 2014	45	116	6	122	122	0	122	6753.04	17	55	66
	WY 2014	1100	684	133	816	781	33	814			371	446
	Oct 2014	46	62	6	68	68	0	68	6753.04	17	30	38
	Nov 2014	38	32	5	36	36	0	36	6753.04	17	0	36
	Dec 2014	32	53	5	57	57	0	57	6753.04	17	0	57
	Jan 2015	31	57	5	62	62	0	62	6753.04	17	0	62
	Feb 2015	29	58	4	61	61	0	61	6753.04	17	0	61
	Mar 2015	46	36	6	42	42	0	42	6753.04	17	5	37
	Apr 2015	101	71	12	84	84	0	84	6753.04	17	30	54
	May 2015	281	135	34	169	134	35	169	6753.04	17	55	114
	Jun 2015	315	96	34	130	130	0	130	6753.04	17	60	70
	Jul 2015	138	118	14	132	132	0	132	6753.04	17	65	67
	Aug 2015	75	124	8	133	133	0	133	6753.04	17	65	68
	Sep 2015	47	115	6	121	121	0	121	6753.04	17	55	66
	WY 2015	1178	956	140	1095	1060	35	1095			365	730
	Oct 2015	47	62	6	68	68	0	68	6753.04	17	30	38

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*
Vallecito Reservoir



	Regulated Inflow	Total Release	Reservoir Elev End of Month	Live Storage
Date	(1000 Ac-Ft)	(1000 Ac-Ft)	(Ft)	(1000 Ac-Ft)
* Nov 2012	3	1	7625.69	37
H Dec 2012	3	0	7627.33	40
I Jan 2013	3	0	7629.10	43
S Feb 2013	3	0	7630.60	46
T Mar 2013	4	0	7632.64	50
O Apr 2013	15	1	7639.26	63
R May 2013	49	31	7647.20	80
I Jun 2013	19	35	7639.75	64
C Jul 2013	8	32	7626.95	40
A Aug 2013	13	26	7617.79	26
L Sep 2013	45	7	7639.82	64
WY 2013	169	138		
* Oct 2013	18	2	7646.84	80
Nov 2013	10	1	7650.18	87
Dec 2013	7	2	7652.21	92
Jan 2014	6	1	7653.81	96
Feb 2014	5	1	7655.26	100
Mar 2014	9	3	7657.51	106
Apr 2014	27	7	7664.96	125
May 2014	70	69	7664.96	125
Jun 2014	68	68	7664.89	125
Jul 2014	27	42	7659.19	110
Aug 2014	18	38	7651.13	90
Sep 2014	15	30	7644.76	75
WY 2014	278	264		
Oct 2014	14	17	7643.32	71
Nov 2014	8	0	7646.82	79
Dec 2014	6	0	7649.35	85
Jan 2015	5	0	7651.43	90
Feb 2015	5	0	7653.21	95
Mar 2015	9	1	7656.11	102
Apr 2015	23	3	7663.76	122
May 2015	71	68	7664.97	125
Jun 2015	70	70	7664.92	125
Jul 2015	29	42	7659.99	112
Aug 2015	20	38	7652.72	94
Sep 2015	17	30	7647.51	81
WY 2015	279	269		
Oct 2015	16	17	7646.76	79

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most 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)
*	Nov 2012	9	0	7	1	0	23	6026.11	970	32
H	Dec 2012	12	0	9	0	0	22	6024.73	957	30
I	Jan 2013	14	0	11	0	0	20	6023.77	947	
S	Feb 2013	13	0	10	1	0	19	6022.74	938	36
T	Mar 2013	31	1	26	1	6	22	6022.39	934	33
O	Apr 2013	71	7	53	2	21	36	6021.77	928	40
R	May 2013	154	17	118	3	36	17	6028.15	990	93
I	Jun 2013	40	8	46	3	42	33	6024.88	958	50
C	Jul 2013	2	1	25	3	40	51	6017.54	889	53
A	Aug 2013	43	3	53	3	34	41	6014.89	865	55
L	Sep 2013	151	5	110	2	15	25	6022.28	933	90
	WY 2013	543	42	472	20	205	348			554
*	Oct 2013	57	3	38	1	4	15	6024.13	951	45
	Nov 2013	34	0	26	1	0	17	6024.95	959	17
	Dec 2013	24	0	19	0	0	22	6024.56	955	22
	Jan 2014	21	0	17	0	0	31	6023.07	941	31
	Feb 2014	26	0	22	1	0	28	6022.43	935	28
	Mar 2014	88	0	82	1	2	31	6027.39	983	31
	Apr 2014	160	9	131	2	18	30	6035.40	1064	30
	May 2014	270	16	253	3	33	66	6049.16	1216	66
	Jun 2014	190	6	184	4	48	75	6053.96	1273	75
	Jul 2014	41	0	55	4	53	36	6050.72	1234	36
	Aug 2014	35	0	55	3	46	51	6046.84	1189	51
	Sep 2014	33	0	48	2	26	39	6045.08	1169	39
	WY 2014	979	34	930	24	230	441			470
	Oct 2014	40	0	43	2	7	31	6045.39	1172	31
	Nov 2014	31	0	23	1	0	30	6044.70	1165	30
	Dec 2014	25	0	19	1	0	31	6043.60	1152	31
	Jan 2015	22	0	17	1	0	31	6042.30	1138	31
	Feb 2015	30	0	26	1	0	28	6042.05	1135	28
	Mar 2015	92	2	82	1	2	31	6046.36	1183	31
	Apr 2015	170	14	136	2	18	30	6053.68	1269	30
	May 2015	277	37	237	4	33	39	6066.32	1430	39
	Jun 2015	224	32	191	4	49	101	6068.97	1466	101
	Jul 2015	66	6	72	5	54	38	6067.13	1441	38
	Aug 2015	45	2	61	4	46	53	6064.01	1400	53
	Sep 2015	43	0	55	3	26	42	6062.82	1384	42
	WY 2015	1065	94	961	27	235	484			484
	Oct 2015	47	1	47	2	7	31	6063.40	1392	31

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most 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)
*	Nov 2012	246	273	35	652	78	730	3615.10	5114	13251	736
H	Dec 2012	201	247	27	801	0	801	3609.82	5071	12713	800
I	Jan 2013	168	230	8	801	0	801	3604.42	5028	12177	801
S	Feb 2013	262	300	9	600	0	600	3601.47	5005	11891	595
T	Mar 2013	362	357	14	601	0	601	3598.96	4986	11651	594
O	Apr 2013	355	326	22	551	0	551	3596.53	4967	11422	547
R	May 2013	1122	925	26	602	0	602	3599.44	4989	11697	591
I	Jun 2013	939	907	42	800	0	800	3600.07	4994	11757	800
C	Jul 2013	143	298	49	848	0	848	3594.17	4950	11202	862
A	Aug 2013	273	401	47	801	0	801	3589.64	4917	10788	815
L	Sep 2013	857	802	44	600	0	600	3591.25	4928	10934	607
	WY 2013	5117	5358	361	8154	78	8232				8244
*	Oct 2013	549	475	30	481	0	481	3590.88	4926	10900	483
	Nov 2013	430	392	29	667	0	667	3587.76	4903	10619	676
	Dec 2013	300	304	23	600	0	600	3584.43	4880	10324	612
	Jan 2014	300	318	7	800	0	800	3579.20	4843	9871	813
	Feb 2014	330	334	7	600	0	600	3576.21	4823	9618	610
	Mar 2014	590	485	12	516	0	516	3575.73	4820	9578	527
	Apr 2014	1000	778	19	500	0	500	3578.58	4839	9818	512
	May 2014	2200	1795	24	516	0	516	3591.75	4932	10980	527
	Jun 2014	2500	2008	41	600	0	600	3605.12	5033	12245	611
	Jul 2014	800	713	52	800	0	800	3603.81	5023	12117	819
	Aug 2014	400	539	51	800	0	800	3600.82	5000	11828	821
	Sep 2014	350	488	46	600	0	600	3599.28	4988	11681	614
	WY 2014	9749	8629	342	7480	0	7480				7626
	Oct 2014	464	510	32	600	0	600	3598.09	4979	11569	611
	Nov 2014	450	478	31	600	0	600	3596.59	4968	11427	609
	Dec 2014	363	440	24	800	0	800	3592.76	4939	11072	812
	Jan 2015	361	442	7	800	0	800	3589.04	4912	10734	813
	Feb 2015	393	453	8	650	0	650	3586.92	4897	10544	660
	Mar 2015	665	584	13	650	0	650	3586.10	4891	10471	661
	Apr 2015	1056	876	21	600	0	600	3588.74	4910	10707	612
	May 2015	2343	1945	26	650	0	650	3601.38	5004	11882	661
	Jun 2015	2666	2208	44	800	0	800	3614.08	5105	13145	811
	Jul 2015	1091	1007	55	1000	0	1000	3613.64	5102	13100	1019
	Aug 2015	500	623	54	1050	0	1050	3609.24	5066	12654	1071
	Sep 2015	408	547	49	800	0	800	3606.44	5044	12375	814
	WY 2015	10760	10113	364	9000	0	9000				9154
	Oct 2015	512	565	34	600	0	600	3605.79	5039	12311	600

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



		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)
*	Nov 2012	730	60	49	650	10.9	14	649	867	1117.24	13334
H	Dec 2012	801	50	43	476	7.7	11	432	886	1120.36	13636
I	Jan 2013	801	56	35	609	9.9	9	591	899	1122.32	13828
S	Feb 2013	600	68	32	646	11.6	8	644	898	1122.14	13810
T	Mar 2013	601	69	36	987	16.1	15	986	875	1118.59	13465
O	Apr 2013	551	37	44	1103	18.5	20	1102	840	1112.91	12921
R	May 2013	602	28	50	1007	16.4	27	1008	812	1108.36	12495
I	Jun 2013	800	1	59	948	15.9	28	947	798	1105.98	12276
C	Jul 2013	848	113	73	865	14.1	28	858	798	1105.92	12270
A	Aug 2013	801	132	78	808	13.1	27	790	799	1106.13	12289
L	Sep 2013	600	155	64	599	10.1	15	586	804	1106.92	12362
	WY 2013	8232	823	612	9043		223	8923			
*	Oct 2013	481	37	47	733	11.9	18	718	786	1104.04	12099
	Nov 2013	667	44	46	527	8.9	24	527	793	1105.22	12206
	Dec 2013	600	99	40	549	8.9	19	549	799	1106.15	12291
	Jan 2014	800	81	33	635	10.3	8	635	811	1108.24	12483
	Feb 2014	600	94	30	729	13.1	9	729	807	1107.48	12413
	Mar 2014	516	77	34	1059	17.2	15	1059	775	1102.18	11930
	Apr 2014	500	80	41	1127	18.9	20	1127	738	1095.75	11359
	May 2014	516	64	46	1016	16.5	33	1016	707	1090.21	10875
	Jun 2014	600	33	55	933	15.7	31	933	683	1085.98	10512
	Jul 2014	800	55	68	904	14.7	34	904	674	1084.31	10371
	Aug 2014	800	109	72	824	13.4	30	824	673	1084.13	10356
	Sep 2014	600	81	59	653	11.0	20	653	670	1083.56	10308
	WY 2014	7480	853	570	9689		261	9673			
	Oct 2014	600	54	43	473	7.7	23	473	677	1084.85	10417
	Nov 2014	600	44	43	573	9.6	14	573	678	1085.00	10430
	Dec 2014	800	99	37	507	8.2	7	507	699	1088.83	10756
	Jan 2015	800	81	31	727	11.8	16	727	706	1090.00	10857
	Feb 2015	650	94	28	696	12.5	18	696	706	1090.01	10858
	Mar 2015	650	77	32	1045	17.0	22	1045	683	1085.94	10509
	Apr 2015	600	80	39	1132	19.0	14	1132	652	1080.30	10036
	May 2015	650	64	44	1019	16.6	24	1019	630	1076.03	9685
	Jun 2015	800	33	52	955	16.0	23	955	618	1073.75	9500
	Jul 2015	1000	55	65	878	14.3	29	878	623	1074.72	9578
	Aug 2015	1050	109	69	843	13.7	24	843	636	1077.29	9788
	Sep 2015	800	81	58	647	10.9	19	647	646	1079.09	9936
	WY 2015	9000	870	540	9495		233	9495			
	Oct 2015	600	43	42	477	7.8	17	477	652	1080.29	10035

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most 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)
* Nov 2012	650	-11	10	499	0	499	8.4	635.82	1507
H Dec 2012	476	-6	9	395	0	395	6.4	638.30	1572
I Jan 2013	609	-11	10	510	0	510	8.3	641.20	1650
S Feb 2013	646	-12	10	609	0	609	11.0	641.78	1665
T Mar 2013	987	-11	13	956	0	956	15.5	642.06	1673
O Apr 2013	1103	-20	17	1017	0	1017	17.1	643.87	1723
R May 2013	1007	-15	22	959	0	959	15.6	644.24	1733
I Jun 2013	948	-16	26	928	0	928	15.6	643.45	1711
C Jul 2013	865	-24	26	810	0	810	13.2	643.66	1717
A Aug 2013	808	-16	23	749	0	749	12.2	644.35	1736
L Sep 2013	599	-11	18	681	0	681	11.4	640.23	1624
WY 2013	9043	-158	198	8669	0	8669			
* Oct 2013	733	-13	15	768	0	768	12.5	637.86	1560
Nov 2013	527	-16	10	575	0	575	9.7	635.00	1486
Dec 2013	549	-17	9	425	0	425	6.9	638.70	1583
Jan 2014	635	-16	10	527	0	527	8.6	641.80	1666
Feb 2014	729	-8	10	710	0	710	12.8	641.80	1666
Mar 2014	1059	-16	13	996	0	996	16.2	643.05	1700
Apr 2014	1127	-15	17	1097	0	1097	18.4	643.00	1699
May 2014	1016	-14	22	979	0	979	15.9	643.00	1699
Jun 2014	933	-12	25	923	0	923	15.5	642.00	1671
Jul 2014	904	-5	25	887	0	887	14.4	641.50	1658
Aug 2014	824	-8	23	793	0	793	12.9	641.50	1658
Sep 2014	653	-1	18	727	0	727	12.2	638.00	1564
WY 2014	9689	-142	197	9409	0	9409			
Oct 2014	473	0	15	587	0	587	9.6	633.00	1434
Nov 2014	573	-16	10	496	0	496	8.3	635.00	1486
Dec 2014	507	-17	9	383	0	383	6.2	638.71	1583
Jan 2015	727	-16	10	618	0	618	10.1	641.80	1666
Feb 2015	696	-8	10	678	0	678	12.2	641.80	1666
Mar 2015	1045	-16	13	982	0	982	16.0	643.05	1700
Apr 2015	1132	-15	17	1102	0	1102	18.5	643.00	1699
May 2015	1019	-14	22	983	0	983	16.0	643.00	1699
Jun 2015	955	-12	25	944	0	944	15.9	642.00	1671
Jul 2015	878	-5	25	861	0	861	14.0	641.50	1658
Aug 2015	843	-8	23	812	0	812	13.2	641.50	1658
Sep 2015	647	-1	18	722	0	722	12.1	638.00	1564
WY 2015	9495	-129	197	9168	0	9168			
Oct 2015	477	0	15	592	0	592	9.6	633.00	1434

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



	Date	Davis Release (1000 Ac-Ft)	Side Inflow (1000 Ac-Ft)	Evap Losses (1000 Ac-Ft)	Total Release (1000 Ac-Ft)	Total Release (1000 CFS)	MWD Diversion (1000 Ac-Ft)	CAP Diversion (1000 Ac-Ft)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Flow To Mexico (1000 Ac-Ft)	Flow To Mexico (1000 CFS)
*	Nov 2012	499	27	9	348	5.9	14	174	448.06	581	88	1.5
H	Dec 2012	395	21	7	289	4.7	15	132	446.41	550	132	2.2
I	Jan 2013	510	17	6	352	5.7	57	80	448.01	580	143	2.3
S	Feb 2013	609	4	8	444	8.0	7	147	448.13	583	158	2.8
T	Mar 2013	956	7	9	680	11.1	98	180	447.58	572	191	3.1
O	Apr 2013	1017	13	11	765	12.9	84	148	448.35	587	185	3.1
R	May 2013	959	20	13	677	11.0	97	174	448.76	595	98	1.5
I	Jun 2013	928	15	16	688	11.6	104	129	448.45	589	98	1.7
C	Jul 2013	810	27	17	626	10.2	100	80	448.51	590	110	1.8
A	Aug 2013	749	37	17	552	9.0	99	95	449.22	604	109	1.8
L	Sep 2013	681	25	15	486	8.2	91	149	446.96	560	97	1.7
	WY 2013	8669	247	141	6389		780	1521			1477	
*	Oct 2013	768	18	12	467	7.6	97	186	447.91	578	71	1.1
	Nov 2013	575	32	9	384	6.4	75	142	447.50	571	86	1.4
	Dec 2013	425	26	6	263	4.3	99	124	445.00	525	98	1.6
	Jan 2014	527	16	6	341	5.5	98	93	445.00	525	125	2.0
	Feb 2014	710	10	7	438	7.9	88	153	446.50	552	156	2.8
	Mar 2014	996	17	9	718	11.7	98	175	446.70	555	201	3.3
	Apr 2014	1097	21	11	798	13.4	95	168	448.70	593	212	3.6
	May 2014	979	20	13	703	11.4	98	174	448.70	593	111	1.8
	Jun 2014	923	15	16	691	11.6	95	123	448.70	593	109	1.8
	Jul 2014	887	25	17	709	11.5	98	88	448.00	580	111	1.8
	Aug 2014	793	24	17	613	10.0	98	87	447.50	571	105	1.7
	Sep 2014	727	23	15	550	9.2	70	120	446.81	557	102	1.7
	WY 2014	9409	248	139	6675		1109	1631			1487	
	Oct 2014	587	26	12	454	7.4	24	126	446.31	548	65	1.1
	Nov 2014	496	32	8	365	6.1	24	122	446.50	552	99	1.7
	Dec 2014	383	26	6	265	4.3	24	109	446.50	552	105	1.7
	Jan 2015	618	16	6	349	5.7	98	176	446.50	552	125	2.0
	Feb 2015	678	10	8	459	8.3	88	127	446.50	552	156	2.8
	Mar 2015	982	17	9	704	11.5	98	175	446.70	555	201	3.3
	Apr 2015	1102	21	11	801	13.5	95	169	448.70	593	212	3.6
	May 2015	983	20	13	707	11.5	98	173	448.70	593	111	1.8
	Jun 2015	944	15	16	698	11.7	95	137	448.70	593	109	1.8
	Jul 2015	861	25	17	733	11.9	98	38	448.00	580	111	1.8
	Aug 2015	812	24	17	648	10.5	98	70	447.50	571	105	1.7
	Sep 2015	722	23	15	563	9.5	70	101	446.81	557	102	1.7
	WY 2015	9168	256	139	6745		910	1524			1500	
	Oct 2015	592	26	12	460	7.5	24	124	446.31	548	65	1.1

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Hoover Static Head (Ft)	Hoover Gen Capacity MW	Hoover Gross Energy MKWH	Percent of Units Available	KWH/AF
* Nov 2012	650	10.9	1117.24	13334	71	473.22	1051.0	276.3	58	424.7
H Dec 2012	476	7.7	1120.36	13636	302	475.06	1520.0	198.5	84	417.3
I Jan 2013	609	9.9	1122.32	13828	192	474.10	1062.0	259.8	59	426.6
S Feb 2013	646	11.6	1122.14	13810	-18	475.07	1072.0	276.4	59	427.6
T Mar 2013	987	16.1	1118.59	13465	-346	472.93	1073.0	425.6	59	431.1
O Apr 2013	1103	18.5	1112.91	12921	-544	463.52	1042.0	467.6	57	423.9
R May 2013	1007	16.4	1108.36	12495	-426	463.02	1353.0	419.9	75	417.1
I Jun 2013	948	15.9	1105.98	12276	-219	460.72	1726.0	388.1	97	409.5
C Jul 2013	865	14.1	1105.92	12270	-5	460.74	1753.0	348.3	100	402.7
A Aug 2013	808	13.1	1106.13	12289	19	461.35	1737.0	325.9	100	403.4
L Sep 2013	599	10.1	1106.92	12362	73	464.61	1737.0	242.5	100	405.1
WY 2013	9043							3770.1		
* Oct 2013	733	11.9	1104.04	12099	-263	460.18	1332.0	300.5	77	410.1
Nov 2013	527	8.9	1105.22	12206	107	458.75	1179.0	211.7	68	401.8
Dec 2013	549	8.9	1106.15	12291	85	459.48	1183.0	221.1	68	402.7
Jan 2014	635	10.3	1108.24	12483	192	461.53	748.0	269.4	43	424.0
Feb 2014	729	13.1	1107.48	12413	-70	456.97	1412.0	301.6	81	414.0
Mar 2014	1059	17.2	1102.18	11930	-483	453.26	1437.0	434.7	84	410.5
Apr 2014	1127	18.9	1095.75	11359	-571	447.46	1343.0	465.0	80	412.5
May 2014	1016	16.5	1090.21	10875	-484	441.45	1335.0	405.1	81	398.9
Jun 2014	933	15.7	1085.98	10512	-362	435.59	1517.0	368.0	93	394.4
Jul 2014	904	14.7	1084.31	10371	-141	432.44	1619.0	349.8	100	387.1
Aug 2014	824	13.4	1084.13	10356	-15	431.68	1618.0	322.0	100	390.8
Sep 2014	653	11.0	1083.56	10308	-48	432.45	1616.0	249.6	100	382.0
WY 2014	9689							3898.6		
Oct 2014	473	7.7	1084.85	10417	108	436.91	1324.0	183.6	82	388.6
Nov 2014	573	9.6	1085.00	10430	13	440.70	1105.0	225.5	68	393.2
Dec 2014	507	8.2	1088.83	10756	326	438.75	1434.0	199.1	87	392.7
Jan 2015	727	11.8	1090.00	10857	101	441.67	1035.0	291.3	63	400.9
Feb 2015	696	12.5	1090.01	10858	1	441.11	1056.0	280.7	64	403.1
Mar 2015	1045	17.0	1085.94	10509	-348	436.74	1334.0	413.9	82	396.1
Apr 2015	1132	19.0	1080.30	10036	-474	429.60	1257.4	442.6	80	391.1
May 2015	1019	16.6	1076.03	9685	-351	424.70	1249.3	386.7	81	379.3
Jun 2015	955	16.0	1073.75	9500	-185	421.79	1428.6	357.8	93	374.8
Jul 2015	878	14.3	1074.72	9578	78	421.63	1536.7	337.5	100	384.4
Aug 2015	843	13.7	1077.29	9788	210	423.54	1551.3	324.0	100	384.5
Sep 2015	647	10.9	1079.09	9936	148	426.84	1561.4	244.1	100	376.9
WY 2015	9495							3686.8		
Oct 2015	477	7.8	1080.29	10035	99	430.45	1278.5	182.7	82	382.8

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Davis Dam - Lake Mohave



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Davis Static Head (Ft)	Davis Gen Capacity MW	Davis Gross Energy MKWH	Percent of Units Available	KWH/AF
* Nov 2012	499	8.4	635.82	1507	130	136.16	168.3	67.9	66	136.0
H Dec 2012	395	6.4	638.30	1572	65	134.78	183.6	44.1	72	111.7
I Jan 2013	510	8.3	641.20	1650	78	139.33	163.2	63.2	64	123.8
S Feb 2013	609	11.0	641.78	1665	16	138.67	153.0	76.8	60	126.1
T Mar 2013	956	15.5	642.06	1673	8	140.26	191.3	120.2	75	125.8
O Apr 2013	1017	17.1	643.87	1723	49	142.09	252.5	128.5	99	126.3
R May 2013	959	15.6	644.24	1733	10	143.40	244.8	121.8	96	127.0
I Jun 2013	928	15.6	643.45	1711	-22	141.69	247.4	116.9	97	126.0
C Jul 2013	810	13.2	643.66	1717	6	141.93	249.9	102.9	98	127.1
A Aug 2013	749	12.2	644.35	1736	19	143.01	255.0	92.1	100	122.9
L Sep 2013	681	11.4	640.23	1624	-112	138.83	255.0	89.1	100	130.8
WY 2013	8669							1092.0		
* Oct 2013	768	12.5	637.86	1560	-63	136.18	196.4	94.7	77	123.3
Nov 2013	575	9.7	635.00	1486	-75	132.15	158.1	69.7	62	121.2
Dec 2013	425	6.9	638.70	1583	97	132.06	173.4	52.2	68	122.7
Jan 2014	527	8.6	641.80	1666	83	135.96	163.2	65.9	64	125.1
Feb 2014	710	12.8	641.80	1666	0	137.17	173.4	88.7	68	124.9
Mar 2014	996	16.2	643.05	1700	34	135.44	255.0	123.9	100	124.4
Apr 2014	1097	18.4	643.00	1699	-2	136.07	255.0	136.4	100	124.3
May 2014	979	15.9	643.00	1699	0	136.04	255.0	122.4	100	125.0
Jun 2014	923	15.5	642.00	1671	-27	135.51	255.0	115.0	100	124.7
Jul 2014	887	14.4	641.50	1658	-14	134.73	255.0	110.3	100	124.3
Aug 2014	793	12.9	641.50	1658	0	134.46	255.0	98.8	100	124.6
Sep 2014	727	12.2	638.00	1564	-94	132.62	255.0	89.7	100	123.3
WY 2014	9409							1167.7		
Oct 2014	587	9.6	633.00	1434	-130	129.88	196.4	70.7	77	120.4
Nov 2014	496	8.3	635.00	1486	51	129.62	158.1	59.3	62	119.5
Dec 2014	383	6.2	638.71	1583	97	132.06	173.4	47.1	68	122.9
Jan 2015	618	10.1	641.80	1666	83	135.97	163.2	77.0	64	124.5
Feb 2015	678	12.2	641.80	1666	0	137.17	173.4	84.8	68	125.1
Mar 2015	982	16.0	643.05	1700	34	135.44	255.0	122.2	100	124.5
Apr 2015	1102	18.5	643.00	1699	-2	136.07	255.0	136.9	100	124.3
May 2015	983	16.0	643.00	1699	0	136.04	255.0	122.9	100	125.0
Jun 2015	944	15.9	642.00	1671	-27	135.51	255.0	117.6	100	124.6
Jul 2015	861	14.0	641.50	1658	-14	134.73	255.0	107.2	100	124.5
Aug 2015	812	13.2	641.50	1658	0	134.46	255.0	101.1	100	124.5
Sep 2015	722	12.1	638.00	1564	-94	132.62	255.0	89.0	100	123.3
WY 2015	9168							1135.7		
Oct 2015	592	9.6	633.00	1434	-130	129.88	196.4	71.3	77	120.4

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Parker Dam - Lake Havasu



Date	Power Release (1000 Ac-Ft)	Power Release (1000 CFS)	Reservoir Elev End of Month (Ft)	EOM Storage (1000 Ac-Ft)	Change In Storage (1000 Ac-Ft)	Parker Static Head (Ft)	Parker Gen Capacity MW	Parker Gross Energy MKWH	Percent of Units Available	KWH/AF
* Nov 2012	348	5.9	448.06	581	-24	82.22	92.4	24.1	77	69.2
H Dec 2012	289	4.7	446.41	550	-31	80.98	103.2	19.5	86	67.5
I Jan 2013	352	5.7	448.01	580	30	83.56	102.0	24.4	85	69.4
S Feb 2013	444	8.0	448.13	583	2	80.52	115.2	31.2	96	70.1
T Mar 2013	680	11.1	447.58	572	-10	81.73	120.0	46.8	100	68.9
O Apr 2013	765	12.9	448.35	587	15	82.42	97.2	51.1	81	66.8
R May 2013	677	11.0	448.76	595	8	80.83	104.4	46.4	87	68.6
I Jun 2013	688	11.6	448.45	589	-6	82.20	117.6	47.4	98	68.9
C Jul 2013	626	10.2	448.51	590	1	80.88	120.0	43.4	100	69.3
A Aug 2013	552	9.0	449.22	604	14	82.71	120.0	37.0	100	67.0
L Sep 2013	486	8.2	446.96	560	-43	80.66	120.0	34.5	100	71.0
WY 2013	6389							439.1		
* Oct 2013	467	7.6	447.91	578	18	83.28	96.0	31.7	80	67.9
Nov 2013	384	6.4	447.50	571	-8	76.37	92.4	25.1	77	65.4
Dec 2013	263	4.3	445.00	525	-46	74.95	92.4	16.5	77	62.7
Jan 2014	341	5.5	445.00	525	0	73.61	94.8	21.5	79	63.0
Feb 2014	438	7.9	446.50	552	27	74.46	92.4	28.4	77	64.7
Mar 2014	718	11.7	446.70	555	4	74.93	99.6	47.3	83	65.9
Apr 2014	798	13.4	448.70	593	38	75.08	120.0	52.7	100	66.0
May 2014	703	11.4	448.70	593	0	76.05	120.0	46.7	100	66.5
Jun 2014	691	11.6	448.70	593	0	76.05	120.0	45.9	100	66.5
Jul 2014	709	11.5	448.00	580	-13	75.71	120.0	47.0	100	66.2
Aug 2014	613	10.0	447.50	571	-9	75.13	120.0	40.2	100	65.5
Sep 2014	550	9.2	446.81	557	-13	74.55	120.0	35.7	100	64.9
WY 2014	6675							438.6		
Oct 2014	454	7.4	446.31	548	-9	74.77	102.0	29.3	85	64.6
Nov 2014	365	6.1	446.50	552	3	74.62	102.0	23.3	85	64.0
Dec 2014	265	4.3	446.50	552	0	74.71	102.0	16.6	85	62.6
Jan 2015	349	5.7	446.50	552	0	74.71	102.0	22.2	85	63.7
Feb 2015	459	8.3	446.50	552	0	73.92	120.0	29.4	100	64.2
Mar 2015	704	11.5	446.70	555	4	74.01	120.0	45.7	100	64.9
Apr 2015	801	13.5	448.70	593	38	75.08	120.0	52.9	100	66.0
May 2015	707	11.5	448.70	593	0	76.05	120.0	47.0	100	66.5
Jun 2015	698	11.7	448.70	593	0	76.05	120.0	46.5	100	66.5
Jul 2015	733	11.9	448.00	580	-13	75.71	120.0	48.6	100	66.3
Aug 2015	648	10.5	447.50	571	-9	75.13	120.0	42.5	100	65.6
Sep 2015	563	9.5	446.81	557	-13	74.55	120.0	36.6	100	65.0
WY 2015	6745							440.7		
Oct 2015	460	7.5	446.31	548	-9	74.77	102.0	29.8	85	64.7

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most Probable Inflow*

Upper Basin Power



		Glen Canyon	Flaming Gorge	Blue Mesa	Morrow Point	Crystal Reservoir	Fontenelle Reservoir
	Date	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR	1000 MWHR
H	Dec 2012	346	27	4	6	2	4
I	Jan 2013	349	28	4	6	2	4
S	Feb 2013	259	25	4	5	1	3
T	Mar 2013	258	20	4	5	2	3
	Winter 2013	1433	121	23	35	12	15
O	Apr 2013	235	19	10	14	8	3
R	May 2013	257	26	15	23	15	3
I	Jun 2013	344	52	18	26	16	3
C	Jul 2013	361	26	26	35	20	3
A	Aug 2013	338	26	23	31	18	3
L	Sep 2013	253	25	17	24	14	3
	Summer 2013	1789	173	108	153	90	19
*	Oct 2013	202	19	12	16	10	1
	Nov 2013	258	17	4	6	3	5
	Dec 2013	229	18	4	6	3	5
	Jan 2014	303	18	4	6	3	5
	Feb 2014	227	16	4	5	3	4
	Mar 2014	194	18	5	7	4	4
	Winter 2014	1413	105	32	45	26	23
	Apr 2014	188	17	8	14	9	4
	May 2014	197	37	31	44	23	7
	Jun 2014	236	57	10	19	15	8
	Jul 2014	319	30	29	35	18	10
	Aug 2014	318	30	39	46	23	7
	Sep 2014	238	29	34	42	21	3
	Summer 2014	1496	200	150	199	109	39
	Oct 2014	237	30	18	22	12	7
	Nov 2014	236	29	9	11	6	6
	Dec 2014	312	30	15	19	10	6
	Jan 2015	309	30	16	21	11	6
	Feb 2015	251	27	16	21	11	5
	Mar 2015	249	30	9	13	7	5
	Winter 2015	1595	176	83	107	57	34
	Apr 2015	230	29	17	26	14	5
	May 2015	253	47	32	49	23	7
	Jun 2015	320	58	23	35	22	9
	Jul 2015	405	36	35	42	23	10
	Aug 2015	423	36	38	45	23	8
	Sep 2015	322	35	34	41	21	3
	Summer 2015	1632	206	146	196	106	38
	Oct 2015	239	36	18	22	12	6

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2013 24-Month Study

Most 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	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Nov 2013	1,033	480	745	13422	15680	15278	30959	1033	480	745	2259	13422	15278	30959	3810	527	0	29.5	
Dec 2013	1,035	467	737	13703	15943	15171	31114	1035	467	737	2240	13703	15171	31114	4580	549	0	29.3	
Jan 2014	1,054	457	741	13998	16251	15086	31337	1054	457	741	2252	13998	15086	31337	5350	635	0	29.1	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2014	1,054	457	741	13998	16251	15086	31337	567	408	448	1423	13998	15086	30507	5350	635	0	29.1	
Feb 2014	1,072	450	755	14451	16729	14894	31622	582	401	462	1445	14451	14894	30789	1500	729	0	28.8	
Mar 2014	1,083	444	761	14704	16992	14964	31956	589	396	468	1453	14704	14964	31120	1500	1059	0	28.4	
Apr 2014	1,050	432	713	14744	16939	15447	32386	552	383	417	1351	14744	15447	31542	1500	1127	0	28.3	
May 2014	980	390	632	14504	16507	16018	32525	474	342	316	1132	14504	16018	31654	1500	1016	0	29.4	
Jun 2014	870	273	480	13342	14966	16502	31468	352	214	128	694	13342	16502	30539	1500	933	0	30.7	
Jul 2014	671	79	423	12077	13249	16865	30114	138	-2	19	155	12077	16865	29096	1500	904	0	30.5	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Aug 2014	551	75	462	12205	13293	17006	30298	551	75	462	1088	12205	17006	30298	1500	824	0	30.0	
Sep 2014	568	141	507	12494	13710	17021	30731	568	141	507	1216	12494	17021	30731	2270	653	0	29.6	
Oct 2014	610	210	527	12641	13987	17069	31056	610	210	527	1347	12641	17069	31056	3040	473	0	29.4	
Nov 2014	645	227	524	12753	14148	16960	31108	645	227	524	1395	12753	16960	31108	3810	573	0	29.3	
Dec 2014	678	225	531	12895	14329	16947	31276	678	225	531	1434	12895	16947	31276	4580	507	0	29.3	
Jan 2015	728	248	544	13250	14770	16621	31391	728	248	544	1519	13250	16621	31391	5350	727	0	29.0	
**** PREDICTED SPACE ****								**** EFFECTIVE SPACE ****											
Jan 2015	728	248	544	13250	14770	16621	31391	465	248	463	1175	13250	16621	31047	5350	727	0	29.0	
Feb 2015	772	277	558	13588	15195	16520	31715	506	277	476	1260	13588	16520	31368	1500	696	0	28.8	
Mar 2015	804	308	561	13778	15450	16519	31970	536	308	479	1322	13778	16519	31619	1500	1045	0	28.4	
Apr 2015	789	303	513	13851	15455	16868	32322	516	303	427	1245	13851	16868	31964	1500	1132	0	28.4	
May 2015	741	289	427	13615	15072	17341	32413	462	289	321	1071	13615	17341	32028	1500	1019	0	29.6	
Jun 2015	634	193	266	12440	13533	17692	31225	344	190	123	657	12440	17692	30789	1500	955	0	31.1	
Jul 2015	419	31	230	11177	11856	17877	29733	112	5	34	151	11177	17877	29205	1500	878	0	31.2	
**** PREDICTED SPACE ****								**** CREDITABLE SPACE ****											
Aug 2015	326	27	255	11222	11830	17799	29628	326	27	255	608	11222	17799	29628	1500	843	0	30.8	
Sep 2015	350	76	296	11668	12390	17589	29979	350	76	296	723	11668	17589	29979	2270	647	0	30.4	
Oct 2015	402	142	312	11947	12804	17441	30245	402	142	312	857	11947	17441	30245	3040	477	0	30.2	

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