

November 24-Month Study
Date: November 9, 2012

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 7 Midnight Elevation (feet) | Reservoir Storage (acre-feet) |
|---------------|--|------------------------------|---|-------------------------------------|
| Fontenelle | 29,000 | 60 | 6490.96 | 234,000 |
| Flaming Gorge | 24,000 | 41 | 6021.15 | 3,020,000 |
| Blue Mesa | 20,000 | 53 | 7452.25 | 325,000 |
| Navajo | 3,400 | 7 | 6027.18 | 981,000 |
| Powell | 189,000 | 37 | 3619.04 | 13,662,000 |

Expected Operations

The operation of Lake Powell and Lake Mead in this November 2012 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 2012 Annual Operating Plan (AOP) and draft 2013 AOP. Pursuant to the Interim Guidelines, the August 2012 24-Month Study projections of the January 1, 2013, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2013.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2013 is the Upper Elevation Balancing Tier. The November 2012 24-Month Study projects the water year release volume from Lake Powell for 2013 to be 8.23 million acre-feet (maf).

Consistent with Section 6.B.3 of the Interim Guidelines, if the April 24-Month study projects the September 30 Lake Powell elevation to be greater than the 2013 Equalization elevation of 3,646.0 feet with an annual release from Lake Powell of 8.23 maf, the Equalization Tier will govern operations of Lake Powell for the remainder of the water year. If such an adjustment occurs, the water year release volume from Lake Powell may be greater than 8.23 maf. Based on analysis of a range of inflow scenarios, the current probability of realizing an inflow volume that would trigger Equalization in 2013 is approximately 20 percent.

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 2012 and 2013.

The Interim Guidelines are available for download at

<http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.

The 2012 AOP is available for download at

<http://www.usbr.gov/lc/region/g4000/aop/AOP12.pdf>.

The draft 2013 AOP is available for download at

http://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP13_draft.pdf.

Fontenelle Reservoir – Inflows to Fontenelle Reservoir for the month of October were 29,000 acre-feet (AF), or 60 percent of average. The reservoir elevation is 6491.48 feet above sea level, 69 percent of capacity and will be decreasing over the winter. Inflows are averaging 600 cubic feet per second (cfs). Reservoir releases remained steady at 850 cfs and will likely remain near this level through the fall and winter months.

Inflows for the next three months are projected to be below average: with November, December and January forecasted inflow volumes at 29,000 AF (69% of average), 25,000 AF (78% of average), and 23,000 AF (76% of average), respectively. The Colorado Basin River Forecast Center has also issued the water year 2013 outlook. Based on the October climatology and initial conditions, the forecasted inflows for water year 2013 are 860,000 AF (79% of average).

The next Fontenelle Working Group meeting is scheduled for April 25, 2013, at 10:00 am at the Seedskaelee 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, 2012 at Joint Powers and Water Board in Green River, Wyoming. Minutes from the meeting are posted on the Working Group webpages.

Flaming Gorge Reservoir – Unregulated inflow into Flaming Gorge Reservoir during the month of October was 24,000 acre-feet, or 41 percent of average. The reservoir elevation is 6021.15 feet and dropping. Observed inflows are approximately 800 cubic feet per second (cfs).

Forecasts continue to decrease and Flaming Gorge Dam is in the dry hydrologic classification as outlined in the Record of Decision. Beginning December 1, 2012, Flaming Gorge Dam releases will increase from minimum 800 cfs steady releases to a double peak pattern daily average release of 1,200 cfs.

The Colorado Basin River Forecast Center and Natural Resources Conservation Service have issued the joint water supply forecast for the next three months. The unregulated

inflow volumes and percent of average for November, December and January are forecasted to be 29 kaf (57%), 20 kaf (57%), and 25 kaf (62%), respectively.

The next Flaming Gorge Working Group meeting is scheduled for April 24, 2013, at 11:00 a.m. at the new Utah Department of Natural Resources building in Vernal, Utah, located at 318 North Vernal Avenue. 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. 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 20,000 acre-feet or 53 percent of average. Precipitation during October was observed to be about 40 percent of average. The current inflow rate into Blue Mesa Reservoir is about 350 cfs while reservoir releases are averaging about 300 cfs. Blue Mesa's present elevation is 7452.49 feet, which corresponds to a storage content of about 327,000 acre-feet. The unregulated reservoir inflow into Blue Mesa Reservoir during water year 2012 was 426,500 acre-feet, or about 45 percent of average.

Releases from Crystal are currently set at 350 cfs. The Gunnison Diversion Tunnel was shut down for the season on October 16th, with exception of some small 10 to 20 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, 2012, 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 64% of average for these months.

The next meeting of the "Aspinall Unit Working Group" will be held on Thursday January 24th in the Montrose, Colorado, starting at 1:00 PM. At this meeting, review of last summer and fall reservoir operations, and plans for this winter and next spring 2013 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 increased river flows and decreased irrigation demand in the San Juan River Basin, Reclamation decreased the release from Navajo Reservoir from 500 to 350 cubic feet per second (cfs) on Tuesday, November 6, 2012. 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.

Precipitation for the month of October in the San Juan River basin was about 20 percent of average. Unregulated inflow into Navajo Reservoir during the month of September was 3400 acre-feet, or 7 percent of average. Currently, the daily reservoir inflow is averaging about 60 cfs. Diversions for NIIP have shut down for the season. The reservoir water surface elevation is at 6027.31 feet, which corresponds to a storage content of about 982,000 acre-feet or about 58% of capacity.

The unregulated reservoir inflow into Navajo Reservoir during water year 2012 was recorded at 522,000 acre-feet, or about 49 percent of average. The reservoir had a seasonal peak elevation of 6061.56 feet on May 20, 2012.

A public meeting on Navajo Reservoir operations was held Tuesday, August 21, 2012 at 1:00 PM at the Civic Center in Farmington, New Mexico (200 West Arrington Street). At this meeting, review of this spring's reservoir operations, and plans for this summer and fall operations were discussed. 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 – The unregulated inflow volume to Lake Powell in October was 189 thousand acre-feet (kaf) (37% of average). The release volume from Glen Canyon Dam in October was 498 kaf. The end of October elevation and storage of Lake Powell were 3619.5 feet (80.5 feet from full pool) and 13.71 maf (56.4% of full capacity). The reservoir elevation will continue to decline through the fall and winter months.

The water year unregulated inflow volume for 2012 was 4.91maf (45.3% of average), placing the 2012 as the third lowest on record since the closure of Glen Canyon Dam in 1963. Releases for Water Year 2012 totaled 9.466 maf. Pursuant to the 2007 Interim Guidelines, Lake Powell operated under the Equalization Tier in 2012.

Current Dam Operations

The operating tier for 2013 is the Upper Elevation Balancing Tier, as establish in August 2012 and pursuant to the Interim Guidelines. However, if hydrologic conditions and projections become wetter, it is possible that beginning in April, the Equalization tier will govern the operations of Lake Powell for the remainder of the water year. Based on analysis of a range of inflow scenarios, the current probability of realizing an inflow

volume that would trigger Equalization in 2013 is approximately 20 percent. As hydrologic conditions for Lake Powell and Lake Mead change throughout the year, Reclamation will adjust operations of Glen Canyon Dam to release the appropriate annual volume during 2013 to achieve the governing operating tier objectives as practicably as possible by September 30, 2013.

Releases from Glen Canyon Dam in November are currently averaging approximately 8,020 cfs with daily fluctuations between 7,000cfs and 9,000cfs and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). The scheduled release volume for November 2012, including the High Flow Experiment described below, is approximately 724 kaf.

From November 18-23, 2012, the Department of Interior will conduct the first High Flow Experiment under a multi-year High Flow Protocol announced earlier this year by Secretary Salazar. Under this Protocol, high flow releases are linked to sediment input and other resource conditions below Glen Canyon Dam. Beginning on the evening of November 18th, releases from Glen Canyon Dam will begin ramping up to full power plant capacity (approximately 27,300 cfs). At midday on November 19th, bypass tubes at Glen Canyon Dam will be opened and releases will continue to increase up to full power plant and bypass capacity (approximately 42,300 cfs) by the evening of November 19th. Releases will be maintained at peak release for 24 hours and then begin ramping back down. Releases will return to normal operations in the evening of November 23rd. The entire experiment, including ramping is expected to last 5 days, with 24 hours at peak release. November releases from Glen Canyon Dam prior to and after the High Flow Experiment are expected to fluctuate between 7,000cfs and 9,000cfs. The elevation of Lake Powell is expected to decrease approximately 2 ½ feet during the 5-day experiment.

In December, the release volume will likely be about 800 kaf, with fluctuations throughout the day from about 8,250 cfs in the early morning to about 16,250 cfs in the early evening. 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 1,100 cfs above or below the hourly scheduled release rate. Typically, fluctuations for system regulation are very short lived and balance out over the hour and do not have 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). To provide system reliability, all participating electricity generators within the balancing area maintain a specified level of generation capacity (i.e. reserves) that can be called upon when an unscheduled outage occurs. Glen Canyon Dam typically maintains 43 MW of reserves (approximately 1,100

cfs) for this purpose. 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 43 MW.

Current Inflow Forecasts and Model Projections

The hydrologic outlook forecast for water year 2013 projects that the most probable (median) unregulated inflow volume will be 7.59 maf (70% of average based on the period 1981-2010). Based on this hydrologic outlook, the November 24-Month study projects the annual release volume for water year 2013 will be 8.23 maf and the end of water year reservoir elevation and storage for Lake Powell will be 3608.4 and 12.57 maf (51.7% capacity), respectively.

If hydrologic conditions and projections become wetter, it is possible that beginning in April, the Equalization tier will govern the operations of Lake Powell for the remainder of the water year and the release volume for 2013 could be greater than 8.23 maf. Based on analysis of a range of inflow scenarios, the current probability of realizing an inflow volume that would trigger Equalization in 2013 is approximately 20 percent.

Upper Colorado River Basin Hydrology - Since water year 2005, the Upper Colorado River Basin has experienced significant year to year hydrologic variability. The unregulated inflow to Lake Powell, which is a good measure of hydrologic conditions in the Colorado River Basin, has averaged a water year volume of 10.22 maf (94% of average (period 1981-2010)) during the period from 2005 through 2012. The hydrologic variability during this period has been from a low water year unregulated inflow volume of 4.91 maf (45% of average) in water year 2012 to a high water year unregulated inflow volume of 15.97 maf (147% of average) in water year 2011. Based on observed inflows and current forecasts, water year 2013 unregulated inflow is expected to be 7.59 maf (70% of average).

Overall reservoir storage in the Colorado River Basin has increased by over 4 maf since the beginning of water year 2005 and this is an improvement over the persistent drought conditions during water years 2000 through 2004. From the beginning of water year 2005 to the beginning of water year 2013, the total reservoir storage in the Colorado River Basin increased from 29.8 maf (50% of capacity) to 33.9 maf (57 % of capacity). However, this period experienced increases and decreases in total Colorado Basin storage in response to wet and dry hydrology.

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 | | | Forecast | | | | |
|---------------------|------|------|-------|----------|------|------|------|------|
| : | jul | aug | sep | oct | %Avg | nov | dec | jan |
| GLDA3:Lake Powell | 154 | 101 | 104 | 189 | 37%: | 300/ | 250/ | 250/ |
| GBRW4:Fontenelle | 92 | 36 | 23 | 29 | 60%: | 29/ | 25/ | 23/ |
| GRNU1:Flaming Gorge | 93 | 29 | 19.4 | 24 | 41%: | 29/ | 20/ | 25/ |
| BMDC2:Blue Mesa | 30 | 28 | 19.2 | 20 | 53%: | 19/ | 17/ | 16/ |
| MPSC2:Morrow Point | 31 | 28 | 19.5 | 22 | 54%: | 20/ | 18/ | 17/ |
| CLSC2:Crystal | 35 | 32 | 22 | 24 | 51%: | 23/ | 21/ | 20/ |
| TPIC2:Taylor Park | 5.9 | 4.5 | 4.3 | 4.2 | 63%: | 3.4/ | 3/ | 2.6/ |
| VCRC2:Vallecito | 11.2 | 7.1 | 3.9 | 3.4 | 22%: | 3.2/ | 3/ | 2.6/ |
| NVRN5:Navajo | 10.4 | 0.36 | -2.27 | 3.4 | 7%: | 6/ | 8/ | 8/ |
| LEMC2:Lemon | 2.6 | 2.4 | 0.78 | 0.54 | 17%: | 0.5/ | 0.4/ | 0.4/ |
| MPHC2:McPhee | 9.1 | 7.0 | 4.0 | 1.63 | 18%: | 1.8/ | 2/ | 2/ |
| RBSC2:Ridgway | 8.8 | 7.6 | 6.1 | 4.5 | 58%: | 3.5/ | 3/ | 2.7/ |

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 46 | 1 | 22 | 49 | 71 | 6492.84 | 247 |
| H Dec 2011 | 35 | 1 | 74 | 0 | 74 | 6486.86 | 207 |
| I Jan 2012 | 32 | 1 | 74 | 0 | 74 | 6479.61 | 165 |
| S Feb 2012 | 30 | 0 | 69 | 0 | 69 | 6471.56 | 126 |
| T Mar 2012 | 64 | 0 | 67 | 0 | 67 | 6470.82 | 123 |
| O Apr 2012 | 98 | 1 | 60 | 0 | 60 | 6478.72 | 160 |
| R May 2012 | 130 | 1 | 61 | 0 | 62 | 6489.92 | 227 |
| I Jun 2012 | 189 | 2 | 83 | 16 | 99 | 6502.11 | 315 |
| C Jul 2012 | 92 | 3 | 72 | 3 | 75 | 6503.94 | 329 |
| A Aug 2012 | 36 | 2 | 68 | 0 | 68 | 6499.56 | 296 |
| L Sep 2012 | 23 | 2 | 46 | 8 | 54 | 6495.11 | 263 |
| WY 2012 | 825 | 15 | 750 | 94 | 845 | | |
| * Oct 2012 | 29 | 1 | 25 | 28 | 53 | 6491.56 | 238 |
| Nov 2012 | 29 | 1 | 51 | 0 | 51 | 6488.15 | 216 |
| Dec 2012 | 25 | 1 | 52 | 0 | 52 | 6483.75 | 188 |
| Jan 2013 | 23 | 1 | 52 | 0 | 52 | 6478.42 | 158 |
| Feb 2013 | 22 | 0 | 47 | 0 | 47 | 6473.10 | 133 |
| Mar 2013 | 42 | 0 | 52 | 0 | 52 | 6470.69 | 122 |
| Apr 2013 | 66 | 1 | 51 | 0 | 51 | 6473.99 | 137 |
| May 2013 | 125 | 1 | 68 | 0 | 68 | 6484.51 | 193 |
| Jun 2013 | 245 | 2 | 103 | 34 | 137 | 6499.98 | 299 |
| Jul 2013 | 150 | 3 | 101 | 1 | 101 | 6505.86 | 345 |
| Aug 2013 | 65 | 2 | 74 | 0 | 74 | 6504.47 | 333 |
| Sep 2013 | 42 | 2 | 69 | 0 | 69 | 6500.74 | 305 |
| WY 2013 | 863 | 15 | 744 | 63 | 807 | | |
| Oct 2013 | 46 | 1 | 71 | 0 | 71 | 6497.16 | 278 |
| Nov 2013 | 41 | 1 | 69 | 0 | 69 | 6493.11 | 249 |
| Dec 2013 | 32 | 1 | 71 | 0 | 71 | 6487.08 | 209 |
| Jan 2014 | 30 | 1 | 71 | 0 | 71 | 6480.13 | 167 |
| Feb 2014 | 28 | 0 | 64 | 0 | 64 | 6472.54 | 130 |
| Mar 2014 | 53 | 0 | 71 | 0 | 71 | 6468.06 | 111 |
| Apr 2014 | 85 | 1 | 77 | 0 | 77 | 6469.87 | 119 |
| May 2014 | 164 | 1 | 99 | 6 | 105 | 6481.74 | 177 |
| Jun 2014 | 299 | 2 | 103 | 71 | 174 | 6500.08 | 299 |
| Jul 2014 | 178 | 3 | 101 | 30 | 131 | 6505.75 | 344 |
| Aug 2014 | 77 | 2 | 74 | 0 | 74 | 6505.80 | 344 |
| Sep 2014 | 46 | 2 | 65 | 0 | 65 | 6503.08 | 323 |
| WY 2014 | 1078 | 15 | 937 | 107 | 1045 | | |
| Oct 2014 | 49 | 1 | 68 | 0 | 68 | 6500.45 | 302 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 64 | 89 | 4 | 88 | 0 | 88 | 138 | 6032.21 | 3435 | 144 |
| H | Dec 2011 | 38 | 77 | 2 | 108 | 0 | 108 | 137 | 6031.41 | 3404 | 147 |
| I | Jan 2012 | 45 | 87 | 2 | 148 | 0 | 148 | 134 | 6029.85 | 3343 | 189 |
| S | Feb 2012 | 47 | 86 | 2 | 140 | 0 | 140 | 132 | 6028.43 | 3289 | 186 |
| T | Mar 2012 | 104 | 107 | 3 | 162 | 0 | 162 | 130 | 6026.95 | 3233 | 286 |
| O | Apr 2012 | 136 | 98 | 5 | 122 | 0 | 122 | 129 | 6026.21 | 3205 | 331 |
| R | May 2012 | 153 | 85 | 8 | 159 | 19 | 178 | 125 | 6023.57 | 3108 | 385 |
| I | Jun 2012 | 188 | 98 | 10 | 87 | 0 | 87 | 125 | 6023.59 | 3108 | 158 |
| C | Jul 2012 | 93 | 76 | 12 | 84 | 0 | 84 | 124 | 6023.04 | 3088 | 100 |
| A | Aug 2012 | 29 | 60 | 12 | 80 | 0 | 80 | 123 | 6022.19 | 3058 | 91 |
| L | Sep 2012 | 19 | 50 | 10 | 68 | 0 | 68 | 122 | 6021.43 | 3030 | 78 |
| | WY 2012 | 990 | 1010 | 78 | 1366 | 20 | 1386 | | | | 2283 |
| * | Oct 2012 | 24 | 48 | 7 | 52 | 0 | 52 | 122 | 6021.15 | 3020 | 69 |
| | Nov 2012 | 29 | 51 | 3 | 51 | 0 | 51 | 121 | 6021.05 | 3017 | 51 |
| | Dec 2012 | 20 | 47 | 2 | 74 | 0 | 74 | 120 | 6020.29 | 2990 | 74 |
| | Jan 2013 | 25 | 54 | 2 | 74 | 0 | 74 | 119 | 6019.71 | 2969 | 74 |
| | Feb 2013 | 34 | 59 | 2 | 66 | 0 | 66 | 119 | 6019.46 | 2961 | 66 |
| | Mar 2013 | 80 | 90 | 3 | 50 | 0 | 50 | 121 | 6020.49 | 2997 | 50 |
| | Apr 2013 | 103 | 88 | 5 | 48 | 0 | 48 | 122 | 6021.44 | 3031 | 48 |
| | May 2013 | 170 | 113 | 7 | 95 | 0 | 95 | 122 | 6021.71 | 3040 | 95 |
| | Jun 2013 | 290 | 182 | 10 | 134 | 0 | 134 | 124 | 6022.73 | 3077 | 134 |
| | Jul 2013 | 175 | 126 | 13 | 72 | 0 | 72 | 125 | 6023.83 | 3117 | 72 |
| | Aug 2013 | 72 | 81 | 12 | 72 | 0 | 72 | 125 | 6023.74 | 3114 | 72 |
| | Sep 2013 | 49 | 76 | 11 | 70 | 0 | 70 | 125 | 6023.63 | 3110 | 70 |
| | WY 2013 | 1071 | 1015 | 76 | 857 | 0 | 857 | | | | 873 |
| | Oct 2013 | 55 | 80 | 7 | 72 | 0 | 72 | 125 | 6023.66 | 3111 | 72 |
| | Nov 2013 | 49 | 77 | 3 | 70 | 0 | 70 | 125 | 6023.78 | 3115 | 70 |
| | Dec 2013 | 35 | 74 | 2 | 72 | 0 | 72 | 125 | 6023.79 | 3116 | 72 |
| | Jan 2014 | 40 | 81 | 2 | 72 | 0 | 72 | 126 | 6024.00 | 3123 | 72 |
| | Feb 2014 | 45 | 81 | 2 | 65 | 0 | 65 | 126 | 6024.37 | 3137 | 65 |
| | Mar 2014 | 102 | 121 | 3 | 72 | 0 | 72 | 128 | 6025.57 | 3181 | 72 |
| | Apr 2014 | 134 | 125 | 5 | 70 | 0 | 70 | 130 | 6026.88 | 3230 | 70 |
| | May 2014 | 245 | 186 | 8 | 120 | 0 | 120 | 132 | 6028.37 | 3286 | 120 |
| | Jun 2014 | 390 | 265 | 10 | 224 | 0 | 224 | 133 | 6029.13 | 3316 | 224 |
| | Jul 2014 | 210 | 163 | 14 | 101 | 0 | 101 | 135 | 6030.34 | 3362 | 101 |
| | Aug 2014 | 89 | 86 | 13 | 101 | 0 | 101 | 134 | 6029.63 | 3335 | 101 |
| | Sep 2014 | 55 | 75 | 11 | 98 | 0 | 98 | 133 | 6028.76 | 3301 | 98 |
| | WY 2014 | 1448 | 1415 | 79 | 1137 | 0 | 1137 | | | | 1137 |
| | Oct 2014 | 59 | 78 | 7 | 101 | 0 | 101 | 132 | 6027.98 | 3272 | 101 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 5 | 6 | 9309.15 | 69 |
| H | Dec 2011 | 4 | 6 | 9307.93 | 67 |
| I | Jan 2012 | 4 | 5 | 9307.37 | 66 |
| S | Feb 2012 | 4 | 4 | 9307.22 | 66 |
| T | Mar 2012 | 6 | 4 | 9308.28 | 67 |
| O | Apr 2012 | 10 | 4 | 9311.81 | 73 |
| R | May 2012 | 16 | 8 | 9316.40 | 81 |
| I | Jun 2012 | 9 | 15 | 9312.87 | 75 |
| C | Jul 2012 | 6 | 14 | 9307.53 | 66 |
| A | Aug 2012 | 4 | 12 | 9302.28 | 58 |
| L | Sep 2012 | 4 | 6 | 9300.80 | 56 |
| WY 2012 | | 80 | 94 | | |
| * | Oct 2012 | 4 | 4 | 9301.04 | 57 |
| | Nov 2012 | 3 | 5 | 9300.24 | 55 |
| | Dec 2012 | 3 | 5 | 9299.13 | 54 |
| | Jan 2013 | 3 | 5 | 9297.69 | 52 |
| | Feb 2013 | 2 | 5 | 9295.81 | 50 |
| | Mar 2013 | 2 | 5 | 9294.11 | 48 |
| | Apr 2013 | 5 | 5 | 9294.76 | 48 |
| | May 2013 | 22 | 8 | 9305.10 | 62 |
| | Jun 2013 | 35 | 15 | 9317.45 | 82 |
| | Jul 2013 | 15 | 18 | 9315.96 | 80 |
| | Aug 2013 | 8 | 18 | 9309.80 | 70 |
| | Sep 2013 | 6 | 16 | 9303.17 | 60 |
| WY 2013 | | 109 | 106 | | |
| | Oct 2013 | 6 | 10 | 9300.19 | 55 |
| | Nov 2013 | 5 | 5 | 9300.40 | 56 |
| | Dec 2013 | 5 | 5 | 9300.53 | 56 |
| | Jan 2014 | 4 | 5 | 9300.42 | 56 |
| | Feb 2014 | 4 | 5 | 9299.91 | 55 |
| | Mar 2014 | 4 | 5 | 9299.86 | 55 |
| | Apr 2014 | 9 | 5 | 9302.93 | 59 |
| | May 2014 | 28 | 12 | 9313.45 | 76 |
| | Jun 2014 | 42 | 18 | 9326.50 | 99 |
| | Jul 2014 | 20 | 20 | 9326.57 | 99 |
| | Aug 2014 | 10 | 20 | 9321.48 | 90 |
| | Sep 2014 | 7 | 16 | 9316.69 | 81 |
| WY 2014 | | 144 | 123 | | |
| | Oct 2014 | 7 | 10 | 9314.75 | 78 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 29 | 29 | 0 | 37 | 0 | 37 | 7496.82 | 635 |
| H | Dec 2011 | 24 | 26 | 0 | 87 | 0 | 87 | 7489.07 | 574 |
| I | Jan 2012 | 22 | 23 | 0 | 52 | 0 | 52 | 7485.29 | 545 |
| S | Feb 2012 | 21 | 22 | 0 | 34 | 0 | 34 | 7483.66 | 533 |
| T | Mar 2012 | 40 | 39 | 0 | 32 | 0 | 32 | 7484.49 | 539 |
| O | Apr 2012 | 57 | 51 | 1 | 58 | 0 | 58 | 7483.54 | 532 |
| R | May 2012 | 74 | 66 | 1 | 71 | 0 | 71 | 7482.82 | 527 |
| I | Jun 2012 | 45 | 50 | 1 | 93 | 0 | 93 | 7476.82 | 483 |
| C | Jul 2012 | 30 | 39 | 1 | 90 | 0 | 90 | 7469.29 | 431 |
| A | Aug 2012 | 28 | 36 | 1 | 79 | 0 | 79 | 7462.48 | 387 |
| L | Sep 2012 | 19 | 21 | 1 | 67 | 0 | 67 | 7454.82 | 340 |
| | WY 2012 | 427 | 442 | 7 | 793 | 0 | 793 | | |
| * | Oct 2012 | 20 | 20 | 0 | 33 | 0 | 33 | 7452.55 | 327 |
| | Nov 2012 | 19 | 20 | 0 | 23 | 0 | 23 | 7452.01 | 324 |
| | Dec 2012 | 17 | 19 | 0 | 15 | 0 | 15 | 7452.69 | 328 |
| | Jan 2013 | 16 | 18 | 0 | 15 | 0 | 15 | 7453.17 | 331 |
| | Feb 2013 | 14 | 16 | 0 | 13 | 0 | 13 | 7453.73 | 334 |
| | Mar 2013 | 24 | 26 | 0 | 18 | 0 | 18 | 7455.15 | 342 |
| | Apr 2013 | 57 | 56 | 1 | 29 | 0 | 29 | 7459.58 | 369 |
| | May 2013 | 161 | 147 | 1 | 77 | 0 | 77 | 7470.30 | 438 |
| | Jun 2013 | 200 | 180 | 1 | 33 | 0 | 33 | 7490.29 | 584 |
| | Jul 2013 | 83 | 86 | 1 | 89 | 0 | 89 | 7489.68 | 579 |
| | Aug 2013 | 48 | 58 | 1 | 97 | 0 | 97 | 7484.53 | 540 |
| | Sep 2013 | 34 | 44 | 1 | 77 | 0 | 77 | 7479.95 | 506 |
| | WY 2013 | 693 | 690 | 7 | 517 | 0 | 517 | | |
| | Oct 2013 | 36 | 40 | 0 | 44 | 0 | 44 | 7479.37 | 501 |
| | Nov 2013 | 30 | 30 | 0 | 15 | 0 | 15 | 7481.42 | 516 |
| | Dec 2013 | 26 | 25 | 0 | 15 | 0 | 15 | 7482.85 | 527 |
| | Jan 2014 | 24 | 24 | 0 | 30 | 0 | 30 | 7482.08 | 521 |
| | Feb 2014 | 22 | 23 | 0 | 27 | 0 | 27 | 7481.52 | 517 |
| | Mar 2014 | 36 | 36 | 0 | 32 | 0 | 32 | 7482.02 | 521 |
| | Apr 2014 | 77 | 73 | 1 | 49 | 0 | 49 | 7485.11 | 544 |
| | May 2014 | 221 | 205 | 1 | 118 | 0 | 118 | 7496.11 | 630 |
| | Jun 2014 | 261 | 237 | 1 | 66 | 0 | 66 | 7516.06 | 799 |
| | Jul 2014 | 117 | 117 | 2 | 112 | 0 | 112 | 7516.40 | 803 |
| | Aug 2014 | 63 | 73 | 1 | 122 | 0 | 122 | 7510.76 | 752 |
| | Sep 2014 | 38 | 47 | 1 | 113 | 0 | 113 | 7502.87 | 685 |
| | WY 2014 | 951 | 930 | 9 | 742 | 0 | 742 | | |
| | Oct 2014 | 38 | 42 | 1 | 113 | 0 | 113 | 7494.05 | 613 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 30 | 37 | 2 | 39 | 38 | 0 | 38 | 7151.73 | 110 |
| H | Dec 2011 | 25 | 87 | 0 | 88 | 85 | 0 | 85 | 7154.97 | 113 |
| I | Jan 2012 | 23 | 52 | 1 | 53 | 52 | 0 | 52 | 7155.61 | 113 |
| S | Feb 2012 | 22 | 34 | 1 | 35 | 35 | 0 | 35 | 7155.27 | 113 |
| T | Mar 2012 | 43 | 32 | 2 | 35 | 34 | 0 | 34 | 7156.25 | 114 |
| O | Apr 2012 | 63 | 58 | 6 | 64 | 63 | 0 | 63 | 7157.05 | 115 |
| R | May 2012 | 80 | 71 | 6 | 76 | 79 | 0 | 79 | 7154.07 | 112 |
| I | Jun 2012 | 45 | 93 | 1 | 93 | 93 | 0 | 93 | 7154.59 | 113 |
| C | Jul 2012 | 31 | 90 | 0 | 90 | 89 | 0 | 89 | 7155.86 | 114 |
| A | Aug 2012 | 28 | 79 | 0 | 80 | 80 | 0 | 80 | 7154.84 | 113 |
| L | Sep 2012 | 19 | 67 | 0 | 68 | 71 | 0 | 71 | 7150.03 | 109 |
| | WY 2012 | 447 | 793 | 21 | 814 | 811 | 0 | 811 | | |
| * | Oct 2012 | 22 | 33 | 1 | 34 | 40 | 0 | 40 | 7142.80 | 104 |
| | Nov 2012 | 20 | 23 | 1 | 24 | 16 | 0 | 16 | 7153.73 | 112 |
| | Dec 2012 | 18 | 15 | 1 | 16 | 16 | 0 | 16 | 7153.73 | 112 |
| | Jan 2013 | 17 | 15 | 1 | 16 | 16 | 0 | 16 | 7153.73 | 112 |
| | Feb 2013 | 16 | 13 | 2 | 15 | 15 | 0 | 15 | 7153.73 | 112 |
| | Mar 2013 | 26 | 18 | 2 | 20 | 20 | 0 | 20 | 7153.73 | 112 |
| | Apr 2013 | 65 | 29 | 8 | 37 | 37 | 0 | 37 | 7153.73 | 112 |
| | May 2013 | 180 | 77 | 19 | 96 | 96 | 0 | 96 | 7153.73 | 112 |
| | Jun 2013 | 215 | 33 | 15 | 48 | 48 | 0 | 48 | 7153.73 | 112 |
| | Jul 2013 | 88 | 89 | 5 | 94 | 94 | 0 | 94 | 7153.73 | 112 |
| | Aug 2013 | 51 | 97 | 3 | 100 | 100 | 0 | 100 | 7153.73 | 112 |
| | Sep 2013 | 36 | 77 | 2 | 79 | 79 | 0 | 79 | 7153.73 | 112 |
| | WY 2013 | 754 | 517 | 60 | 578 | 575 | 0 | 575 | | |
| | Oct 2013 | 38 | 44 | 2 | 46 | 46 | 0 | 46 | 7153.73 | 112 |
| | Nov 2013 | 32 | 15 | 2 | 17 | 17 | 0 | 17 | 7153.73 | 112 |
| | Dec 2013 | 28 | 15 | 2 | 17 | 17 | 0 | 17 | 7153.73 | 112 |
| | Jan 2014 | 27 | 30 | 2 | 32 | 32 | 0 | 32 | 7153.73 | 112 |
| | Feb 2014 | 25 | 27 | 3 | 30 | 30 | 0 | 30 | 7153.73 | 112 |
| | Mar 2014 | 40 | 32 | 4 | 36 | 36 | 0 | 36 | 7153.73 | 112 |
| | Apr 2014 | 88 | 49 | 11 | 60 | 60 | 0 | 60 | 7153.73 | 112 |
| | May 2014 | 247 | 118 | 26 | 144 | 144 | 0 | 144 | 7153.73 | 112 |
| | Jun 2014 | 281 | 66 | 20 | 86 | 86 | 0 | 86 | 7153.73 | 112 |
| | Jul 2014 | 123 | 112 | 6 | 118 | 118 | 0 | 118 | 7153.73 | 112 |
| | Aug 2014 | 67 | 122 | 3 | 125 | 125 | 0 | 125 | 7153.73 | 112 |
| | Sep 2014 | 41 | 113 | 3 | 116 | 116 | 0 | 116 | 7153.73 | 112 |
| | WY 2014 | 1036 | 742 | 84 | 826 | 826 | 0 | 826 | | |
| | Oct 2014 | 41 | 113 | 3 | 116 | 116 | 0 | 116 | 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 2012 24-Month Study

Most Probable Inflow*
Crystal Reservoir



| Date | Unreg Inflow (1000 Ac-Ft) | Morrow Release (1000 Ac-Ft) | Side Inflow (1000 Ac-Ft) | Total Inflow (1000 Ac-Ft) | Power Release (1000 Ac-Ft) | Bypass Release (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | Live Storage (1000 Ac-Ft) | Tunnel Flow (1000 Ac-Ft) | Below Tunnel Flow (1000 Ac-Ft) |
|----------------|------------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|-----------------------------|-----------------------------------|
| * Nov 2011 | 34 | 38 | 4 | 42 | 41 | 1 | 41 | 6751.53 | 17 | 1 | 41 |
| H Dec 2011 | 28 | 85 | 3 | 88 | 89 | 0 | 89 | 6750.95 | 16 | 1 | 90 |
| I Jan 2012 | 27 | 52 | 3 | 56 | 53 | 3 | 56 | 6751.28 | 16 | 1 | 57 |
| S Feb 2012 | 26 | 35 | 3 | 38 | 15 | 23 | 38 | 6751.90 | 17 | 1 | 40 |
| T Mar 2012 | 49 | 34 | 6 | 40 | 40 | 0 | 40 | 6751.80 | 17 | 6 | 36 |
| O Apr 2012 | 71 | 63 | 8 | 71 | 71 | 0 | 71 | 6752.10 | 17 | 50 | 23 |
| R May 2012 | 86 | 79 | 6 | 84 | 86 | 0 | 86 | 6745.87 | 15 | 65 | 23 |
| I Jun 2012 | 49 | 93 | 3 | 96 | 97 | 0 | 97 | 6744.24 | 14 | 63 | 36 |
| C Jul 2012 | 35 | 89 | 4 | 93 | 93 | 0 | 93 | 6745.39 | 15 | 62 | 35 |
| A Aug 2012 | 32 | 80 | 3 | 84 | 84 | 0 | 84 | 6743.63 | 14 | 52 | 36 |
| L Sep 2012 | 22 | 71 | 2 | 74 | 63 | 11 | 74 | 6743.29 | 14 | 45 | 32 |
| WY 2012 | 498 | 811 | 51 | 862 | 824 | 38 | 862 | | | 397 | 492 |
| * Oct 2012 | 24 | 40 | 3 | 42 | 40 | 0 | 40 | 6750.72 | 16 | 20 | 20 |
| Nov 2012 | 23 | 16 | 3 | 19 | 18 | 0 | 18 | 6753.04 | 17 | 0 | 18 |
| Dec 2012 | 21 | 16 | 3 | 19 | 19 | 0 | 19 | 6753.04 | 17 | 0 | 19 |
| Jan 2013 | 20 | 16 | 3 | 19 | 19 | 0 | 19 | 6753.04 | 17 | 0 | 19 |
| Feb 2013 | 18 | 15 | 2 | 17 | 17 | 0 | 17 | 6753.04 | 17 | 0 | 17 |
| Mar 2013 | 30 | 20 | 4 | 24 | 24 | 0 | 24 | 6753.04 | 17 | 5 | 18 |
| Apr 2013 | 76 | 37 | 11 | 48 | 48 | 0 | 48 | 6753.04 | 17 | 30 | 18 |
| May 2013 | 205 | 96 | 25 | 121 | 121 | 0 | 121 | 6753.04 | 17 | 55 | 66 |
| Jun 2013 | 245 | 48 | 30 | 78 | 78 | 0 | 78 | 6753.04 | 17 | 60 | 18 |
| Jul 2013 | 99 | 94 | 11 | 105 | 105 | 0 | 105 | 6753.04 | 17 | 65 | 40 |
| Aug 2013 | 57 | 100 | 6 | 106 | 106 | 0 | 106 | 6753.04 | 17 | 65 | 41 |
| Sep 2013 | 42 | 79 | 6 | 85 | 85 | 0 | 85 | 6753.04 | 17 | 55 | 30 |
| WY 2013 | 860 | 575 | 107 | 681 | 679 | 0 | 679 | | | 355 | 324 |
| Oct 2013 | 44 | 46 | 6 | 52 | 52 | 0 | 52 | 6753.04 | 17 | 30 | 22 |
| Nov 2013 | 37 | 17 | 5 | 21 | 21 | 0 | 21 | 6753.04 | 17 | 0 | 21 |
| Dec 2013 | 32 | 17 | 5 | 22 | 22 | 0 | 22 | 6753.04 | 17 | 0 | 22 |
| Jan 2014 | 31 | 32 | 5 | 37 | 37 | 0 | 37 | 6753.04 | 17 | 0 | 37 |
| Feb 2014 | 29 | 30 | 4 | 33 | 33 | 0 | 33 | 6753.04 | 17 | 0 | 33 |
| Mar 2014 | 46 | 36 | 6 | 42 | 42 | 0 | 42 | 6753.04 | 17 | 5 | 37 |
| Apr 2014 | 101 | 60 | 12 | 73 | 73 | 0 | 73 | 6753.04 | 17 | 30 | 43 |
| May 2014 | 281 | 144 | 34 | 178 | 134 | 44 | 178 | 6753.04 | 17 | 55 | 123 |
| Jun 2014 | 315 | 86 | 34 | 120 | 120 | 0 | 120 | 6753.04 | 17 | 60 | 60 |
| Jul 2014 | 138 | 118 | 14 | 133 | 133 | 0 | 133 | 6753.04 | 17 | 65 | 68 |
| Aug 2014 | 75 | 125 | 8 | 134 | 134 | 0 | 134 | 6753.04 | 17 | 65 | 69 |
| Sep 2014 | 47 | 116 | 6 | 122 | 122 | 0 | 122 | 6753.04 | 17 | 55 | 67 |
| WY 2014 | 1175 | 826 | 140 | 966 | 922 | 44 | 966 | | | 365 | 601 |
| Oct 2014 | 47 | 116 | 6 | 122 | 122 | 0 | 122 | 6753.04 | 17 | 30 | 92 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 24-Month Study

Most Probable Inflow*
Vallecito Reservoir



| Date | Regulated Inflow (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | Live Storage (1000 Ac-Ft) |
|----------------|-------------------------------------|----------------------------------|--|---------------------------------|
| * Nov 2011 | 9 | 2 | 7643.33 | 72 |
| H Dec 2011 | 5 | 2 | 7644.76 | 75 |
| I Jan 2012 | 5 | 3 | 7645.42 | 76 |
| S Feb 2012 | 4 | 4 | 7645.50 | 76 |
| T Mar 2012 | 12 | 4 | 7648.84 | 84 |
| O Apr 2012 | 36 | 3 | 7661.80 | 117 |
| R May 2012 | 42 | 35 | 7664.36 | 124 |
| I Jun 2012 | 17 | 36 | 7656.80 | 104 |
| C Jul 2012 | 11 | 35 | 7647.02 | 80 |
| A Aug 2012 | 7 | 33 | 7634.93 | 54 |
| L Sep 2012 | 4 | 22 | 7624.48 | 36 |
| WY 2012 | 168 | 188 | | |
| * Oct 2012 | 3 | 3 | 7624.51 | 36 |
| Nov 2012 | 3 | 1 | 7625.55 | 37 |
| Dec 2012 | 3 | 2 | 7626.43 | 39 |
| Jan 2013 | 3 | 2 | 7627.04 | 40 |
| Feb 2013 | 3 | 1 | 7627.73 | 41 |
| Mar 2013 | 5 | 2 | 7629.54 | 44 |
| Apr 2013 | 15 | 1 | 7636.59 | 57 |
| May 2013 | 52 | 29 | 7646.88 | 80 |
| Jun 2013 | 67 | 42 | 7656.99 | 104 |
| Jul 2013 | 25 | 40 | 7650.73 | 89 |
| Aug 2013 | 18 | 36 | 7642.85 | 70 |
| Sep 2013 | 14 | 27 | 7636.54 | 57 |
| WY 2013 | 211 | 186 | | |
| Oct 2013 | 14 | 14 | 7636.03 | 56 |
| Nov 2013 | 8 | 1 | 7639.26 | 63 |
| Dec 2013 | 6 | 2 | 7641.48 | 67 |
| Jan 2014 | 5 | 2 | 7643.20 | 71 |
| Feb 2014 | 5 | 1 | 7644.66 | 74 |
| Mar 2014 | 9 | 2 | 7647.30 | 81 |
| Apr 2014 | 23 | 3 | 7655.53 | 101 |
| May 2014 | 71 | 46 | 7665.00 | 125 |
| Jun 2014 | 70 | 70 | 7664.95 | 125 |
| Jul 2014 | 29 | 42 | 7660.02 | 112 |
| Aug 2014 | 20 | 38 | 7652.75 | 94 |
| Sep 2014 | 17 | 30 | 7647.55 | 81 |
| WY 2014 | 278 | 251 | | |
| Oct 2014 | 16 | 14 | 7647.98 | 82 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 31 | 1 | 23 | 1 | 0 | 21 | 6058.38 | 1327 | 47 |
| H | Dec 2011 | 19 | 0 | 16 | 1 | 1 | 31 | 6057.10 | 1311 | 54 |
| I | Jan 2012 | 18 | 0 | 16 | 1 | 1 | 30 | 6055.85 | 1296 | 50 |
| S | Feb 2012 | 19 | 0 | 18 | 1 | 1 | 28 | 6054.95 | 1285 | 46 |
| T | Mar 2012 | 74 | 7 | 61 | 2 | 6 | 31 | 6056.81 | 1308 | 70 |
| O | Apr 2012 | 149 | 18 | 98 | 2 | 27 | 30 | 6059.88 | 1346 | 96 |
| R | May 2012 | 131 | 17 | 105 | 4 | 34 | 110 | 6056.40 | 1303 | 176 |
| I | Jun 2012 | 20 | 4 | 35 | 4 | 46 | 42 | 6051.70 | 1246 | 57 |
| C | Jul 2012 | 10 | 1 | 33 | 4 | 44 | 52 | 6045.91 | 1178 | 60 |
| A | Aug 2012 | 0 | 0 | 26 | 3 | 45 | 55 | 6038.86 | 1101 | 46 |
| L | Sep 2012 | -2 | 0 | 17 | 2 | 22 | 58 | 6032.62 | 1035 | 65 |
| | WY 2012 | 522 | 53 | 490 | 26 | 236 | 521 | | | 821 |
| * | Oct 2012 | 3 | 0 | 3 | 1 | 11 | 40 | 6027.78 | 986 | 42 |
| | Nov 2012 | 6 | 0 | 4 | 1 | 0 | 21 | 6025.99 | 969 | 21 |
| | Dec 2012 | 8 | 0 | 7 | 0 | 0 | 22 | 6024.31 | 953 | 22 |
| | Jan 2013 | 8 | 0 | 7 | 0 | 0 | 30 | 6021.79 | 929 | 30 |
| | Feb 2013 | 15 | 0 | 14 | 1 | 0 | 31 | 6019.92 | 911 | 31 |
| | Mar 2013 | 55 | 1 | 51 | 1 | 2 | 28 | 6022.07 | 931 | 28 |
| | Apr 2013 | 110 | 13 | 83 | 2 | 18 | 25 | 6026.09 | 970 | 25 |
| | May 2013 | 210 | 29 | 158 | 3 | 32 | 23 | 6035.96 | 1070 | 23 |
| | Jun 2013 | 200 | 17 | 158 | 4 | 48 | 22 | 6043.84 | 1155 | 22 |
| | Jul 2013 | 45 | 2 | 58 | 4 | 53 | 21 | 6042.05 | 1135 | 21 |
| | Aug 2013 | 30 | 0 | 48 | 3 | 45 | 40 | 6038.29 | 1094 | 40 |
| | Sep 2013 | 30 | 0 | 43 | 2 | 26 | 61 | 6033.88 | 1048 | 61 |
| | WY 2013 | 720 | 62 | 634 | 22 | 234 | 364 | | | 366 |
| | Oct 2013 | 37 | 0 | 38 | 1 | 7 | 38 | 6033.16 | 1041 | 38 |
| | Nov 2013 | 30 | 0 | 23 | 1 | 0 | 30 | 6032.46 | 1034 | 30 |
| | Dec 2013 | 25 | 0 | 20 | 1 | 0 | 31 | 6031.38 | 1023 | 31 |
| | Jan 2014 | 22 | 0 | 18 | 1 | 0 | 31 | 6030.08 | 1009 | 31 |
| | Feb 2014 | 30 | 0 | 27 | 1 | 0 | 28 | 6029.93 | 1008 | 28 |
| | Mar 2014 | 92 | 2 | 84 | 1 | 2 | 26 | 6035.26 | 1062 | 26 |
| | Apr 2014 | 170 | 14 | 136 | 2 | 18 | 21 | 6044.10 | 1158 | 21 |
| | May 2014 | 277 | 37 | 215 | 3 | 33 | 40 | 6055.96 | 1297 | 40 |
| | Jun 2014 | 224 | 32 | 191 | 4 | 48 | 86 | 6060.16 | 1350 | 86 |
| | Jul 2014 | 66 | 6 | 72 | 4 | 53 | 24 | 6059.41 | 1340 | 24 |
| | Aug 2014 | 45 | 2 | 61 | 4 | 46 | 30 | 6058.00 | 1323 | 30 |
| | Sep 2014 | 43 | 0 | 55 | 3 | 26 | 30 | 6057.70 | 1319 | 30 |
| | WY 2014 | 1062 | 94 | 941 | 25 | 232 | 413 | | | 413 |
| | Oct 2014 | 47 | 1 | 44 | 2 | 7 | 38 | 6057.57 | 1317 | 38 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 (1000 Ac-Ft) |
|---|----------------|------------------------------|----------------------------------|-----------------------------|------------------------------------|--------------------------------|-------------------------------|-------------------------------------|------------------------------|-----------------------------|----------------------------|
| * | Nov 2011 | 506 | 530 | 43 | 1099 | 0 | 1099 | 3645.67 | 5388 | 16683 | 1104 |
| H | Dec 2011 | 363 | 490 | 33 | 1223 | 0 | 1223 | 3639.75 | 5332 | 15974 | 1226 |
| I | Jan 2012 | 356 | 503 | 10 | 852 | 0 | 852 | 3636.91 | 5305 | 15641 | 846 |
| S | Feb 2012 | 342 | 460 | 11 | 653 | 0 | 653 | 3635.28 | 5290 | 15453 | 654 |
| T | Mar 2012 | 560 | 625 | 19 | 600 | 0 | 600 | 3635.33 | 5290 | 15458 | 607 |
| O | Apr 2012 | 764 | 689 | 29 | 606 | 0 | 606 | 3635.76 | 5294 | 15508 | 612 |
| R | May 2012 | 792 | 770 | 35 | 601 | 0 | 601 | 3636.83 | 5304 | 15632 | 606 |
| I | Jun 2012 | 353 | 398 | 54 | 709 | 0 | 709 | 3633.90 | 5277 | 15294 | 712 |
| C | Jul 2012 | 154 | 285 | 62 | 886 | 0 | 886 | 3628.45 | 5228 | 14680 | 892 |
| A | Aug 2012 | 101 | 289 | 60 | 800 | 0 | 800 | 3623.62 | 5186 | 14151 | 810 |
| L | Sep 2012 | 104 | 296 | 54 | 481 | 0 | 481 | 3621.56 | 5168 | 13929 | 478 |
| | WY 2012 | 4908 | 5964 | 455 | 9466 | 0 | 9466 | | | | 9527 |
| * | Oct 2012 | 190 | 294 | 37 | 498 | 0 | 498 | 3619.46 | 5150 | 13706 | 495 |
| | Nov 2012 | 300 | 332 | 35 | 724 | 0 | 724 | 3615.68 | 5119 | 13310 | 724 |
| | Dec 2012 | 250 | 316 | 27 | 800 | 0 | 800 | 3611.05 | 5081 | 12837 | 800 |
| | Jan 2013 | 250 | 320 | 8 | 800 | 0 | 800 | 3606.54 | 5044 | 12385 | 800 |
| | Feb 2013 | 250 | 297 | 9 | 600 | 0 | 600 | 3603.59 | 5021 | 12096 | 600 |
| | Mar 2013 | 425 | 364 | 15 | 600 | 0 | 600 | 3601.19 | 5003 | 11864 | 600 |
| | Apr 2013 | 675 | 538 | 23 | 550 | 0 | 550 | 3600.85 | 5000 | 11831 | 550 |
| | May 2013 | 1500 | 1216 | 28 | 600 | 0 | 600 | 3606.45 | 5044 | 12376 | 600 |
| | Jun 2013 | 2150 | 1713 | 45 | 800 | 0 | 800 | 3614.41 | 5108 | 13179 | 800 |
| | Jul 2013 | 875 | 809 | 55 | 808 | 0 | 808 | 3613.92 | 5104 | 13129 | 808 |
| | Aug 2013 | 400 | 504 | 55 | 850 | 0 | 850 | 3610.28 | 5074 | 12758 | 850 |
| | Sep 2013 | 325 | 446 | 49 | 600 | 0 | 600 | 3608.40 | 5059 | 12570 | 600 |
| | WY 2013 | 7590 | 7147 | 386 | 8230 | 0 | 8230 | | | | 8227 |
| | Oct 2013 | 443 | 475 | 34 | 600 | 0 | 600 | 3606.91 | 5047 | 12422 | 600 |
| | Nov 2013 | 441 | 445 | 32 | 600 | 0 | 600 | 3605.16 | 5034 | 12249 | 600 |
| | Dec 2013 | 363 | 394 | 26 | 800 | 0 | 800 | 3601.04 | 5002 | 11850 | 800 |
| | Jan 2014 | 361 | 407 | 8 | 800 | 0 | 800 | 3597.14 | 4972 | 11479 | 800 |
| | Feb 2014 | 393 | 416 | 8 | 600 | 0 | 600 | 3595.23 | 4958 | 11301 | 600 |
| | Mar 2014 | 665 | 569 | 14 | 600 | 0 | 600 | 3594.78 | 4954 | 11259 | 600 |
| | Apr 2014 | 1056 | 846 | 22 | 600 | 0 | 600 | 3597.00 | 4971 | 11466 | 600 |
| | May 2014 | 2343 | 1947 | 28 | 600 | 0 | 600 | 3609.57 | 5069 | 12687 | 600 |
| | Jun 2014 | 2666 | 2248 | 47 | 650 | 0 | 650 | 3623.37 | 5184 | 14123 | 650 |
| | Jul 2014 | 1091 | 995 | 59 | 850 | 0 | 850 | 3624.10 | 5190 | 14203 | 850 |
| | Aug 2014 | 500 | 603 | 58 | 900 | 0 | 900 | 3621.04 | 5164 | 13874 | 900 |
| | Sep 2014 | 408 | 539 | 53 | 630 | 0 | 630 | 3619.79 | 5153 | 13741 | 630 |
| | WY 2014 | 10729 | 9884 | 389 | 8230 | 0 | 8230 | | | | 8230 |
| | Oct 2014 | 512 | 628 | 37 | 600 | 0 | 600 | 3619.71 | 5152 | 13733 | 600 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



| | Date | Glen Release (1000 Ac-Ft) | Side Inflow (1000 Ac-Ft) | Evap Losses (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Total Release (1000 CFS) | SNWP Use (1000 Ac-Ft) | Downstream Requirements (1000 Ac-Ft) | Bank Storage (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | EOM Storage (1000 Ac-Ft) |
|---|----------------|------------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|--------------------------|---|------------------------------|-------------------------------------|-----------------------------|
| * | Nov 2011 | 1099 | 36 | 50 | 564 | 9.5 | 13 | 561 | 906 | 1125.82 | 13933 |
| H | Dec 2011 | 1223 | 84 | 45 | 497 | 8.1 | 9 | 482 | 952 | 1132.83 | 14644 |
| I | Jan 2012 | 852 | 55 | 37 | 713 | 11.6 | 9 | 712 | 976 | 1134.18 | 15022 |
| S | Feb 2012 | 653 | 44 | 34 | 775 | 13.5 | 10 | 775 | 969 | 1133.06 | 14907 |
| T | Mar 2012 | 600 | 43 | 38 | 986 | 16.0 | 16 | 985 | 945 | 1129.41 | 14535 |
| O | Apr 2012 | 606 | 46 | 46 | 1170 | 19.7 | 20 | 1163 | 909 | 1123.93 | 13986 |
| R | May 2012 | 601 | 16 | 52 | 1008 | 16.4 | 30 | 1007 | 880 | 1119.38 | 13541 |
| I | Jun 2012 | 709 | 7 | 62 | 989 | 16.6 | 28 | 989 | 858 | 1115.84 | 13200 |
| C | Jul 2012 | 886 | 69 | 77 | 841 | 13.7 | 29 | 819 | 858 | 1115.92 | 13207 |
| A | Aug 2012 | 800 | 169 | 82 | 798 | 13.0 | 24 | 793 | 862 | 1116.56 | 13269 |
| L | Sep 2012 | 481 | 97 | 67 | 635 | 10.7 | 18 | 634 | 854 | 1115.16 | 13135 |
| | WY 2012 | 9466 | 732 | 638 | 9421 | | 226 | 9357 | | | |
| * | Oct 2012 | 498 | 56 | 49 | 346 | 5.6 | 23 | 331 | 862 | 1116.50 | 13263 |
| | Nov 2012 | 724 | 46 | 49 | 706 | 11.9 | 19 | 706 | 862 | 1116.46 | 13259 |
| | Dec 2012 | 800 | 108 | 43 | 420 | 6.8 | 16 | 420 | 888 | 1120.63 | 13663 |
| | Jan 2013 | 800 | 78 | 35 | 666 | 10.8 | 16 | 666 | 898 | 1122.17 | 13813 |
| | Feb 2013 | 600 | 98 | 32 | 622 | 11.2 | 19 | 622 | 899 | 1122.41 | 13837 |
| | Mar 2013 | 600 | 78 | 36 | 961 | 15.6 | 22 | 961 | 879 | 1119.12 | 13516 |
| | Apr 2013 | 550 | 76 | 44 | 1098 | 18.5 | 15 | 1098 | 846 | 1113.92 | 13017 |
| | May 2013 | 600 | 64 | 50 | 993 | 16.2 | 25 | 993 | 821 | 1109.90 | 12638 |
| | Jun 2013 | 800 | 33 | 59 | 931 | 15.7 | 23 | 931 | 810 | 1108.07 | 12468 |
| | Jul 2013 | 808 | 54 | 74 | 865 | 14.1 | 29 | 865 | 804 | 1106.98 | 12368 |
| | Aug 2013 | 850 | 103 | 78 | 826 | 13.4 | 24 | 826 | 805 | 1107.24 | 12391 |
| | Sep 2013 | 600 | 74 | 64 | 645 | 10.8 | 20 | 645 | 802 | 1106.68 | 12340 |
| | WY 2013 | 8230 | 868 | 614 | 9079 | | 251 | 9064 | | | |
| | Oct 2013 | 600 | 49 | 47 | 499 | 8.1 | 18 | 499 | 807 | 1107.56 | 12420 |
| | Nov 2013 | 600 | 46 | 47 | 629 | 10.6 | 24 | 629 | 804 | 1107.00 | 12369 |
| | Dec 2013 | 800 | 108 | 41 | 528 | 8.6 | 19 | 528 | 823 | 1110.23 | 12669 |
| | Jan 2014 | 800 | 78 | 34 | 673 | 10.9 | 20 | 673 | 833 | 1111.75 | 12811 |
| | Feb 2014 | 600 | 98 | 31 | 679 | 12.2 | 18 | 679 | 831 | 1111.45 | 12783 |
| | Mar 2014 | 600 | 78 | 34 | 1033 | 16.8 | 24 | 1033 | 806 | 1107.27 | 12394 |
| | Apr 2014 | 600 | 76 | 42 | 1108 | 18.6 | 20 | 1108 | 775 | 1102.16 | 11929 |
| | May 2014 | 600 | 64 | 47 | 992 | 16.1 | 31 | 992 | 751 | 1097.89 | 11548 |
| | Jun 2014 | 650 | 33 | 56 | 936 | 15.7 | 26 | 936 | 730 | 1094.32 | 11233 |
| | Jul 2014 | 850 | 54 | 70 | 931 | 15.1 | 28 | 931 | 723 | 1092.98 | 11116 |
| | Aug 2014 | 900 | 103 | 74 | 839 | 13.6 | 31 | 839 | 726 | 1093.62 | 11172 |
| | Sep 2014 | 630 | 74 | 61 | 658 | 11.1 | 22 | 658 | 724 | 1093.22 | 11137 |
| | WY 2014 | 8230 | 861 | 584 | 9506 | | 282 | 9506 | | | |
| | Oct 2014 | 600 | 49 | 45 | 439 | 7.1 | 26 | 439 | 732 | 1094.71 | 11268 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 564 | -11 | 10 | 466 | 0 | 466 | 7.8 | 635.99 | 1511 |
| H | Dec 2011 | 497 | -28 | 9 | 385 | 0 | 385 | 6.3 | 638.82 | 1586 |
| I | Jan 2012 | 713 | -23 | 10 | 638 | 0 | 638 | 10.4 | 640.38 | 1628 |
| S | Feb 2012 | 775 | -18 | 10 | 726 | 0 | 726 | 12.6 | 641.20 | 1650 |
| T | Mar 2012 | 986 | -23 | 13 | 931 | 0 | 931 | 15.1 | 641.93 | 1670 |
| O | Apr 2012 | 1170 | -24 | 17 | 1091 | 0 | 1091 | 18.3 | 643.35 | 1708 |
| R | May 2012 | 1008 | -14 | 22 | 980 | 0 | 980 | 15.9 | 643.06 | 1700 |
| I | Jun 2012 | 989 | -19 | 25 | 952 | 0 | 952 | 16.0 | 642.80 | 1693 |
| C | Jul 2012 | 841 | -9 | 25 | 805 | 0 | 805 | 13.1 | 642.89 | 1696 |
| A | Aug 2012 | 798 | -11 | 23 | 744 | 0 | 744 | 12.1 | 643.63 | 1716 |
| L | Sep 2012 | 635 | -5 | 18 | 723 | 0 | 723 | 12.1 | 639.55 | 1605 |
| | WY 2012 | 9421 | -177 | 197 | 9051 | 0 | 9051 | | | |
| * | Oct 2012 | 346 | -3 | 14 | 556 | 0 | 556 | 9.0 | 630.75 | 1377 |
| | Nov 2012 | 706 | -15 | 10 | 507 | 0 | 507 | 8.5 | 637.50 | 1551 |
| | Dec 2012 | 420 | -19 | 9 | 359 | 0 | 359 | 5.8 | 638.70 | 1583 |
| | Jan 2013 | 666 | -13 | 10 | 560 | 0 | 560 | 9.1 | 641.80 | 1666 |
| | Feb 2013 | 622 | -6 | 10 | 606 | 0 | 606 | 10.9 | 641.80 | 1666 |
| | Mar 2013 | 961 | -14 | 13 | 899 | 0 | 899 | 14.6 | 643.05 | 1700 |
| | Apr 2013 | 1098 | -14 | 17 | 1069 | 0 | 1069 | 18.0 | 643.00 | 1699 |
| | May 2013 | 993 | -14 | 22 | 957 | 0 | 957 | 15.6 | 643.00 | 1699 |
| | Jun 2013 | 931 | -10 | 25 | 923 | 0 | 923 | 15.5 | 642.00 | 1671 |
| | Jul 2013 | 865 | -4 | 25 | 849 | 0 | 849 | 13.8 | 641.50 | 1658 |
| | Aug 2013 | 826 | -7 | 23 | 796 | 0 | 796 | 12.9 | 641.50 | 1658 |
| | Sep 2013 | 645 | 0 | 18 | 720 | 0 | 720 | 12.1 | 638.00 | 1564 |
| | WY 2013 | 9079 | -121 | 197 | 8801 | 0 | 8801 | | | |
| | Oct 2013 | 499 | 0 | 15 | 615 | 0 | 615 | 10.0 | 633.00 | 1434 |
| | Nov 2013 | 629 | -15 | 10 | 552 | 0 | 552 | 9.3 | 635.00 | 1486 |
| | Dec 2013 | 528 | -19 | 9 | 403 | 0 | 403 | 6.6 | 638.71 | 1583 |
| | Jan 2014 | 673 | -13 | 10 | 567 | 0 | 567 | 9.2 | 641.80 | 1666 |
| | Feb 2014 | 679 | -6 | 10 | 663 | 0 | 663 | 11.9 | 641.80 | 1666 |
| | Mar 2014 | 1033 | -14 | 13 | 972 | 0 | 972 | 15.8 | 643.05 | 1700 |
| | Apr 2014 | 1108 | -14 | 17 | 1080 | 0 | 1080 | 18.1 | 643.00 | 1699 |
| | May 2014 | 992 | -14 | 22 | 955 | 0 | 955 | 15.5 | 643.00 | 1699 |
| | Jun 2014 | 936 | -10 | 25 | 927 | 0 | 927 | 15.6 | 642.00 | 1671 |
| | Jul 2014 | 931 | -4 | 25 | 915 | 0 | 915 | 14.9 | 641.50 | 1658 |
| | Aug 2014 | 839 | -7 | 23 | 809 | 0 | 809 | 13.2 | 641.50 | 1658 |
| | Sep 2014 | 658 | 0 | 18 | 733 | 0 | 733 | 12.3 | 638.00 | 1564 |
| | WY 2014 | 9506 | -118 | 197 | 9191 | 0 | 9191 | | | |
| | Oct 2014 | 439 | 0 | 15 | 554 | 0 | 554 | 9.0 | 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 2012 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 2011 | 466 | 37 | 9 | 321 | 5.4 | 7 | 175 | 447.32 | 567 | 93 | 1.6 |
| H | Dec 2011 | 385 | 27 | 6 | 267 | 4.3 | 15 | 151 | 445.69 | 537 | 108 | 1.7 |
| I | Jan 2012 | 638 | 11 | 6 | 382 | 6.2 | 54 | 187 | 446.61 | 554 | 131 | 2.1 |
| S | Feb 2012 | 726 | 11 | 8 | 497 | 8.6 | 49 | 169 | 447.10 | 563 | 159 | 2.8 |
| T | Mar 2012 | 931 | 8 | 9 | 711 | 11.6 | 21 | 187 | 447.23 | 565 | 187 | 3.0 |
| O | Apr 2012 | 1091 | 24 | 11 | 785 | 13.2 | 97 | 180 | 449.13 | 602 | 183 | 3.1 |
| R | May 2012 | 980 | 26 | 13 | 709 | 11.5 | 100 | 179 | 448.81 | 596 | 99 | 1.6 |
| I | Jun 2012 | 952 | 10 | 15 | 719 | 12.1 | 97 | 130 | 448.23 | 584 | 103 | 1.7 |
| C | Jul 2012 | 805 | 46 | 17 | 675 | 11.0 | 101 | 34 | 448.91 | 598 | 124 | 2.0 |
| A | Aug 2012 | 744 | 26 | 17 | 568 | 9.2 | 100 | 85 | 448.38 | 587 | 97 | 1.6 |
| L | Sep 2012 | 723 | 31 | 15 | 548 | 9.2 | 74 | 137 | 446.98 | 561 | 90 | 1.5 |
| | WY 2012 | 9051 | 288 | 140 | 6652 | | 723 | 1763 | | | 1435 | |
| * | Oct 2012 | 556 | 35 | 12 | 482 | 7.8 | 14 | 32 | 449.31 | 606 | 71 | 1.1 |
| | Nov 2012 | 507 | 32 | 9 | 373 | 6.3 | 13 | 173 | 447.50 | 571 | 86 | 1.4 |
| | Dec 2012 | 359 | 26 | 7 | 259 | 4.2 | 14 | 121 | 446.50 | 552 | 89 | 1.5 |
| | Jan 2013 | 560 | 15 | 6 | 349 | 5.7 | 40 | 176 | 446.50 | 552 | 130 | 2.1 |
| | Feb 2013 | 606 | 7 | 8 | 453 | 8.2 | 19 | 127 | 446.50 | 552 | 158 | 2.9 |
| | Mar 2013 | 899 | 18 | 9 | 683 | 11.1 | 40 | 175 | 446.70 | 555 | 187 | 3.0 |
| | Apr 2013 | 1069 | 19 | 11 | 788 | 13.2 | 74 | 169 | 448.70 | 593 | 205 | 3.5 |
| | May 2013 | 957 | 18 | 13 | 701 | 11.4 | 76 | 173 | 448.70 | 593 | 112 | 1.8 |
| | Jun 2013 | 923 | 15 | 16 | 699 | 11.7 | 74 | 136 | 448.70 | 593 | 114 | 1.9 |
| | Jul 2013 | 849 | 21 | 17 | 739 | 12.0 | 76 | 38 | 448.00 | 580 | 115 | 1.9 |
| | Aug 2013 | 796 | 22 | 17 | 650 | 10.6 | 78 | 70 | 447.50 | 571 | 105 | 1.7 |
| | Sep 2013 | 720 | 20 | 15 | 554 | 9.3 | 74 | 101 | 446.81 | 557 | 102 | 1.7 |
| | WY 2013 | 8801 | 249 | 140 | 6729 | | 591 | 1490 | | | 1475 | |
| | Oct 2013 | 615 | 23 | 12 | 452 | 7.4 | 52 | 124 | 446.31 | 548 | 64 | 1.0 |
| | Nov 2013 | 552 | 32 | 8 | 368 | 6.2 | 51 | 147 | 446.50 | 552 | 102 | 1.7 |
| | Dec 2013 | 403 | 26 | 6 | 274 | 4.5 | 52 | 92 | 446.50 | 552 | 106 | 1.7 |
| | Jan 2014 | 567 | 15 | 6 | 350 | 5.7 | 81 | 140 | 446.50 | 552 | 122 | 2.0 |
| | Feb 2014 | 663 | 7 | 8 | 451 | 8.1 | 71 | 135 | 446.50 | 552 | 153 | 2.8 |
| | Mar 2014 | 972 | 18 | 9 | 711 | 11.6 | 81 | 177 | 446.70 | 555 | 208 | 3.4 |
| | Apr 2014 | 1080 | 19 | 11 | 792 | 13.3 | 78 | 171 | 448.70 | 593 | 200 | 3.4 |
| | May 2014 | 955 | 18 | 13 | 690 | 11.2 | 81 | 177 | 448.70 | 593 | 111 | 1.8 |
| | Jun 2014 | 927 | 15 | 16 | 681 | 11.4 | 78 | 154 | 448.70 | 593 | 112 | 1.9 |
| | Jul 2014 | 915 | 21 | 17 | 740 | 12.0 | 81 | 98 | 448.00 | 580 | 118 | 1.9 |
| | Aug 2014 | 809 | 22 | 17 | 632 | 10.3 | 81 | 97 | 447.50 | 571 | 92 | 1.5 |
| | Sep 2014 | 733 | 20 | 15 | 543 | 9.1 | 52 | 146 | 446.81 | 557 | 89 | 1.5 |
| | WY 2014 | 9191 | 237 | 139 | 6685 | | 839 | 1659 | | | 1477 | |
| | Oct 2014 | 554 | 23 | 12 | 451 | 7.3 | 7 | 109 | 446.31 | 548 | 72 | 1.2 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 564 | 9.5 | 1125.82 | 13933 | 477 | 481.61 | 1110.0 | 233.8 | 61 | 414.3 |
| H | Dec 2011 | 497 | 8.1 | 1132.83 | 14644 | 711 | 488.04 | 1374.0 | 207.2 | 75 | 417.3 |
| I | Jan 2012 | 713 | 11.6 | 1134.18 | 15022 | 139 | 485.97 | 1146.0 | 308.0 | 61 | 432.1 |
| S | Feb 2012 | 775 | 13.5 | 1133.06 | 14907 | -115 | 484.32 | 1282.0 | 338.6 | 68 | 436.7 |
| T | Mar 2012 | 986 | 16.0 | 1129.41 | 14535 | -372 | 481.45 | 1047.0 | 427.4 | 56 | 433.4 |
| O | Apr 2012 | 1170 | 19.7 | 1123.93 | 13986 | -548 | 475.07 | 1164.0 | 505.3 | 62 | 432.0 |
| R | May 2012 | 1008 | 16.4 | 1119.38 | 13541 | -445 | 471.90 | 1050.0 | 429.0 | 56 | 425.4 |
| I | Jun 2012 | 989 | 16.6 | 1115.84 | 13200 | -341 | 470.21 | 1829.0 | 414.2 | 100 | 418.8 |
| C | Jul 2012 | 841 | 13.7 | 1115.92 | 13207 | 8 | 471.23 | 1374.0 | 349.7 | 76 | 415.6 |
| A | Aug 2012 | 798 | 13.0 | 1116.56 | 13269 | 61 | 471.53 | 1809.0 | 331.4 | 100 | 415.2 |
| L | Sep 2012 | 635 | 10.7 | 1115.16 | 13135 | -134 | 473.98 | 1809.0 | 261.9 | 100 | 412.2 |
| WY 2012 | | 9421 | | | | | | | 3985.6 | | |
| * | Oct 2012 | 346 | 5.6 | 1116.50 | 13263 | 128 | 476.50 | 1051.0 | 141.3 | 58 | 409.0 |
| | Nov 2012 | 706 | 11.9 | 1116.46 | 13259 | -4 | 473.14 | 1051.0 | 302.2 | 58 | 428.3 |
| | Dec 2012 | 420 | 6.8 | 1120.63 | 13663 | 403 | 468.28 | 1768.0 | 168.7 | 97 | 402.0 |
| | Jan 2013 | 666 | 10.8 | 1122.17 | 13813 | 151 | 474.66 | 958.0 | 284.1 | 52 | 426.3 |
| | Feb 2013 | 622 | 11.2 | 1122.41 | 13837 | 24 | 473.83 | 1078.0 | 264.1 | 59 | 424.7 |
| | Mar 2013 | 961 | 15.6 | 1119.12 | 13516 | -321 | 470.46 | 1303.0 | 412.7 | 72 | 429.4 |
| | Apr 2013 | 1098 | 18.5 | 1113.92 | 13017 | -499 | 467.27 | 1051.0 | 482.7 | 59 | 439.5 |
| | May 2013 | 993 | 16.2 | 1109.90 | 12638 | -379 | 462.46 | 1075.0 | 421.9 | 61 | 424.8 |
| | Jun 2013 | 931 | 15.7 | 1108.07 | 12468 | -170 | 455.60 | 1751.0 | 381.9 | 100 | 410.0 |
| | Jul 2013 | 865 | 14.1 | 1106.98 | 12368 | -100 | 454.65 | 1745.0 | 356.9 | 100 | 412.4 |
| | Aug 2013 | 826 | 13.4 | 1107.24 | 12391 | 23 | 454.40 | 1747.0 | 338.5 | 100 | 410.0 |
| | Sep 2013 | 645 | 10.8 | 1106.68 | 12340 | -51 | 455.39 | 1743.0 | 257.4 | 100 | 399.2 |
| WY 2013 | | 9079 | | | | | | | 3812.4 | | |
| | Oct 2013 | 499 | 8.1 | 1107.56 | 12420 | 80 | 460.01 | 1374.0 | 204.0 | 79 | 408.5 |
| | Nov 2013 | 629 | 10.6 | 1107.00 | 12369 | -51 | 461.72 | 1385.0 | 255.2 | 79 | 405.7 |
| | Dec 2013 | 528 | 8.6 | 1110.23 | 12669 | 300 | 461.22 | 1394.0 | 211.0 | 79 | 399.3 |
| | Jan 2014 | 673 | 10.9 | 1111.75 | 12811 | 143 | 462.45 | 1226.0 | 276.6 | 69 | 411.0 |
| | Feb 2014 | 679 | 12.2 | 1111.45 | 12783 | -28 | 460.74 | 1435.0 | 280.7 | 81 | 413.4 |
| | Mar 2014 | 1033 | 16.8 | 1107.27 | 12394 | -389 | 458.04 | 1424.0 | 427.6 | 82 | 413.8 |
| | Apr 2014 | 1108 | 18.6 | 1102.16 | 11929 | -465 | 455.51 | 1028.6 | 476.4 | 59 | 429.8 |
| | May 2014 | 992 | 16.1 | 1097.89 | 11548 | -381 | 450.62 | 1065.8 | 411.3 | 61 | 414.7 |
| | Jun 2014 | 936 | 15.7 | 1094.32 | 11233 | -314 | 442.82 | 1747.0 | 373.9 | 100 | 399.6 |
| | Jul 2014 | 931 | 15.1 | 1092.98 | 11116 | -118 | 440.87 | 1747.0 | 368.8 | 100 | 396.0 |
| | Aug 2014 | 839 | 13.6 | 1093.62 | 11172 | 56 | 440.69 | 1747.0 | 335.1 | 100 | 399.4 |
| | Sep 2014 | 658 | 11.1 | 1093.22 | 11137 | -35 | 441.94 | 1747.0 | 256.8 | 100 | 390.1 |
| WY 2014 | | 9506 | | | | | | | 3877.3 | | |
| | Oct 2014 | 439 | 7.1 | 1094.71 | 11268 | 131 | 446.93 | 1372.4 | 172.2 | 79 | 392.4 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 466 | 7.8 | 635.99 | 1511 | 76 | 134.28 | 170.9 | 57.0 | 67 | 122.2 |
| H Dec 2011 | 385 | 6.3 | 638.82 | 1586 | 74 | 135.59 | 173.4 | 48.1 | 68 | 124.9 |
| I Jan 2012 | 638 | 10.4 | 640.38 | 1628 | 42 | 138.75 | 170.9 | 77.2 | 67 | 121.0 |
| S Feb 2012 | 726 | 12.6 | 641.20 | 1650 | 22 | 140.80 | 163.2 | 90.8 | 64 | 125.1 |
| T Mar 2012 | 931 | 15.1 | 641.93 | 1670 | 20 | 140.23 | 204.0 | 117.4 | 80 | 126.2 |
| O Apr 2012 | 1091 | 18.3 | 643.35 | 1708 | 39 | 142.08 | 249.9 | 147.4 | 98 | 135.2 |
| R May 2012 | 980 | 15.9 | 643.06 | 1700 | -8 | 141.39 | 252.5 | 128.9 | 99 | 131.5 |
| I Jun 2012 | 952 | 16.0 | 642.80 | 1693 | -7 | 140.12 | 255.0 | 122.6 | 100 | 128.8 |
| C Jul 2012 | 805 | 13.1 | 642.89 | 1696 | 2 | 143.36 | 255.0 | 100.7 | 100 | 125.1 |
| A Aug 2012 | 744 | 12.1 | 643.63 | 1716 | 20 | 142.43 | 252.5 | 92.5 | 99 | 124.3 |
| L Sep 2012 | 723 | 12.1 | 639.55 | 1605 | -111 | 137.86 | 255.0 | 96.5 | 100 | 133.5 |
| WY 2012 | 9051 | | | | | | | 1153.5 | | |
| * Oct 2012 | 556 | 9.0 | 630.75 | 1377 | -228 | 130.98 | 201.5 | 68.5 | 79 | 123.3 |
| Nov 2012 | 507 | 8.5 | 637.50 | 1551 | 173 | 129.65 | 160.7 | 60.6 | 63 | 119.6 |
| Dec 2012 | 359 | 5.8 | 638.70 | 1583 | 32 | 132.69 | 193.8 | 44.6 | 76 | 124.2 |
| Jan 2013 | 560 | 9.1 | 641.80 | 1666 | 83 | 135.96 | 163.2 | 69.9 | 64 | 124.8 |
| Feb 2013 | 606 | 10.9 | 641.80 | 1666 | 0 | 137.68 | 158.1 | 76.1 | 62 | 125.6 |
| Mar 2013 | 899 | 14.6 | 643.05 | 1700 | 34 | 136.42 | 219.3 | 112.3 | 86 | 124.9 |
| Apr 2013 | 1069 | 18.0 | 643.00 | 1699 | -2 | 136.07 | 255.0 | 133.1 | 100 | 124.4 |
| May 2013 | 957 | 15.6 | 643.00 | 1699 | 0 | 136.04 | 255.0 | 119.7 | 100 | 125.1 |
| Jun 2013 | 923 | 15.5 | 642.00 | 1671 | -27 | 135.51 | 255.0 | 115.1 | 100 | 124.7 |
| Jul 2013 | 849 | 13.8 | 641.50 | 1658 | -14 | 134.73 | 255.0 | 105.8 | 100 | 124.5 |
| Aug 2013 | 796 | 12.9 | 641.50 | 1658 | 0 | 134.46 | 255.0 | 99.1 | 100 | 124.6 |
| Sep 2013 | 720 | 12.1 | 638.00 | 1564 | -94 | 132.62 | 255.0 | 88.8 | 100 | 123.3 |
| WY 2013 | 8801 | | | | | | | 1093.5 | | |
| Oct 2013 | 615 | 10.0 | 633.00 | 1434 | -130 | 129.33 | 214.2 | 73.9 | 84 | 120.2 |
| Nov 2013 | 552 | 9.3 | 635.00 | 1486 | 51 | 127.83 | 211.7 | 65.8 | 83 | 119.2 |
| Dec 2013 | 403 | 6.6 | 638.71 | 1583 | 97 | 130.91 | 209.1 | 49.5 | 82 | 122.8 |
| Jan 2014 | 567 | 9.2 | 641.80 | 1666 | 83 | 134.46 | 209.1 | 70.8 | 82 | 124.8 |
| Feb 2014 | 663 | 11.9 | 641.80 | 1666 | 0 | 136.08 | 209.1 | 83.0 | 82 | 125.2 |
| Mar 2014 | 972 | 15.8 | 643.05 | 1700 | 34 | 135.44 | 255.0 | 121.0 | 100 | 124.5 |
| Apr 2014 | 1080 | 18.1 | 643.00 | 1699 | -2 | 136.07 | 255.0 | 134.3 | 100 | 124.4 |
| May 2014 | 955 | 15.5 | 643.00 | 1699 | 0 | 136.04 | 255.0 | 119.5 | 100 | 125.1 |
| Jun 2014 | 927 | 15.6 | 642.00 | 1671 | -27 | 135.51 | 255.0 | 115.6 | 100 | 124.6 |
| Jul 2014 | 915 | 14.9 | 641.50 | 1658 | -14 | 134.73 | 255.0 | 113.6 | 100 | 124.2 |
| Aug 2014 | 809 | 13.2 | 641.50 | 1658 | 0 | 134.46 | 255.0 | 100.7 | 100 | 124.5 |
| Sep 2014 | 733 | 12.3 | 638.00 | 1564 | -94 | 132.62 | 255.0 | 90.4 | 100 | 123.2 |
| WY 2014 | 9191 | | | | | | | 1138.1 | | |
| Oct 2014 | 554 | 9.0 | 633.00 | 1434 | -130 | 129.33 | 214.2 | 66.9 | 84 | 120.6 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 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 2011 | 321 | 5.4 | 447.32 | 567 | -12 | 80.93 | 102.0 | 22.1 | 85 | 69.1 |
| H | Dec 2011 | 267 | 4.3 | 445.69 | 537 | -30 | 81.08 | 67.2 | 17.7 | 56 | 66.2 |
| I | Jan 2012 | 382 | 6.2 | 446.61 | 554 | 17 | 80.68 | 67.2 | 25.6 | 56 | 67.1 |
| S | Feb 2012 | 497 | 8.6 | 447.10 | 563 | 9 | 80.85 | 94.8 | 35.1 | 79 | 70.7 |
| T | Mar 2012 | 711 | 11.6 | 447.23 | 565 | 2 | 81.75 | 97.2 | 48.8 | 81 | 68.6 |
| O | Apr 2012 | 785 | 13.2 | 449.13 | 602 | 36 | 83.37 | 120.0 | 54.1 | 100 | 69.0 |
| R | May 2012 | 709 | 11.5 | 448.81 | 596 | -6 | 81.37 | 111.6 | 49.6 | 93 | 69.9 |
| I | Jun 2012 | 719 | 12.1 | 448.23 | 584 | -11 | 79.00 | 120.0 | 49.7 | 100 | 69.1 |
| C | Jul 2012 | 675 | 11.0 | 448.91 | 598 | 13 | 82.94 | 120.0 | 46.8 | 100 | 69.4 |
| A | Aug 2012 | 568 | 9.2 | 448.38 | 587 | -10 | 80.54 | 120.0 | 39.3 | 100 | 69.2 |
| L | Sep 2012 | 548 | 9.2 | 446.98 | 561 | -26 | 81.05 | 120.0 | 37.8 | 100 | 69.0 |
| WY 2012 | | 6652 | | | | | | | 458.2 | | |
| * | Oct 2012 | 482 | 7.8 | 449.31 | 606 | 44 | 83.52 | 96.0 | 33.3 | 80 | 69.0 |
| | Nov 2012 | 373 | 6.3 | 447.50 | 571 | -35 | 77.11 | 91.2 | 24.5 | 76 | 65.8 |
| | Dec 2012 | 259 | 4.2 | 446.50 | 552 | -19 | 75.20 | 102.0 | 16.2 | 85 | 62.7 |
| | Jan 2013 | 349 | 5.7 | 446.50 | 552 | 0 | 74.71 | 102.0 | 22.3 | 85 | 63.7 |
| | Feb 2013 | 453 | 8.2 | 446.50 | 552 | 0 | 73.92 | 120.0 | 29.0 | 100 | 64.2 |
| | Mar 2013 | 683 | 11.1 | 446.70 | 555 | 4 | 74.01 | 120.0 | 44.3 | 100 | 64.9 |
| | Apr 2013 | 788 | 13.2 | 448.70 | 593 | 38 | 75.08 | 120.0 | 52.0 | 100 | 66.0 |
| | May 2013 | 701 | 11.4 | 448.70 | 593 | 0 | 76.05 | 120.0 | 46.6 | 100 | 66.5 |
| | Jun 2013 | 699 | 11.7 | 448.70 | 593 | 0 | 76.05 | 120.0 | 46.5 | 100 | 66.5 |
| | Jul 2013 | 739 | 12.0 | 448.00 | 580 | -13 | 75.71 | 120.0 | 49.0 | 100 | 66.3 |
| | Aug 2013 | 650 | 10.6 | 447.50 | 571 | -10 | 75.13 | 120.0 | 42.6 | 100 | 65.6 |
| | Sep 2013 | 554 | 9.3 | 446.81 | 557 | -13 | 74.55 | 120.0 | 36.0 | 100 | 64.9 |
| WY 2013 | | 6729 | | | | | | | 442.3 | | |
| | Oct 2013 | 452 | 7.4 | 446.31 | 548 | -9 | 74.77 | 102.0 | 29.2 | 85 | 64.6 |
| | Nov 2013 | 368 | 6.2 | 446.50 | 552 | 3 | 74.62 | 102.0 | 23.6 | 85 | 64.0 |
| | Dec 2013 | 274 | 4.5 | 446.50 | 552 | 0 | 74.71 | 102.0 | 17.2 | 85 | 62.7 |
| | Jan 2014 | 350 | 5.7 | 446.50 | 552 | 0 | 74.71 | 102.0 | 22.3 | 85 | 63.8 |
| | Feb 2014 | 451 | 8.1 | 446.50 | 552 | 0 | 73.92 | 120.0 | 28.9 | 100 | 64.2 |
| | Mar 2014 | 711 | 11.6 | 446.70 | 555 | 4 | 74.01 | 120.0 | 46.2 | 100 | 64.9 |
| | Apr 2014 | 792 | 13.3 | 448.70 | 593 | 38 | 75.08 | 120.0 | 52.3 | 100 | 66.0 |
| | May 2014 | 690 | 11.2 | 448.70 | 593 | 0 | 76.05 | 120.0 | 45.8 | 100 | 66.4 |
| | Jun 2014 | 681 | 11.4 | 448.70 | 593 | 0 | 76.05 | 120.0 | 45.3 | 100 | 66.5 |
| | Jul 2014 | 740 | 12.0 | 448.00 | 580 | -13 | 75.71 | 120.0 | 49.1 | 100 | 66.3 |
| | Aug 2014 | 632 | 10.3 | 447.50 | 571 | -10 | 75.13 | 120.0 | 41.5 | 100 | 65.6 |
| | Sep 2014 | 543 | 9.1 | 446.81 | 557 | -13 | 74.55 | 120.0 | 35.2 | 100 | 64.9 |
| WY 2014 | | 6685 | | | | | | | 436.6 | | |
| | Oct 2014 | 451 | 7.3 | 446.31 | 548 | -9 | 74.77 | 102.0 | 29.1 | 85 | 64.6 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 24-Month Study

Most Probable Inflow*

Upper Basin Power



| Date | Glen Canyon 1000 MWHR | Flaming Gorge 1000 MWHR | Blue Mesa 1000 MWHR | Morrow Point 1000 MWHR | Crystal Reservoir 1000 MWHR | Fontenelle Reservoir 1000 MWHR |
|--------------------|--------------------------|----------------------------|------------------------|---------------------------|--------------------------------|-----------------------------------|
| * Nov 2011 | 508 | 34 | 11 | 13 | 7 | 2 |
| H Dec 2011 | 563 | 43 | 25 | 30 | 17 | 6 |
| I Jan 2012 | 388 | 58 | 15 | 18 | 10 | 5 |
| S Feb 2012 | 295 | 54 | 9 | 12 | 2 | 4 |
| T Mar 2012 | 275 | 62 | 9 | 12 | 6 | 4 |
| Winter 2012 | 2475 | 300 | 97 | 117 | 61 | 26 |
| O Apr 2012 | 276 | 47 | 16 | 22 | 14 | 4 |
| R May 2012 | 276 | 61 | 19 | 28 | 17 | 4 |
| I Jun 2012 | 324 | 34 | 26 | 33 | 19 | 7 |
| C Jul 2012 | 398 | 33 | 24 | 31 | 18 | 6 |
| A Aug 2012 | 360 | 31 | 21 | 28 | 16 | 6 |
| L Sep 2012 | 214 | 27 | 17 | 25 | 12 | 4 |
| Summer 2012 | 1849 | 232 | 123 | 168 | 94 | 31 |
| * Oct 2012 | 221 | 20 | 8 | 13 | 6 | 2 |
| Nov 2012 | 296 | 18 | 6 | 6 | 3 | 4 |
| Dec 2012 | 324 | 27 | 4 | 6 | 3 | 4 |
| Jan 2013 | 321 | 27 | 4 | 6 | 3 | 4 |
| Feb 2013 | 239 | 24 | 3 | 5 | 3 | 3 |
| Mar 2013 | 237 | 18 | 5 | 7 | 4 | 4 |
| Winter 2013 | 1638 | 134 | 30 | 43 | 23 | 21 |
| Apr 2013 | 217 | 17 | 8 | 13 | 8 | 3 |
| May 2013 | 238 | 35 | 21 | 35 | 21 | 5 |
| Jun 2013 | 322 | 48 | 9 | 17 | 13 | 9 |
| Jul 2013 | 327 | 26 | 26 | 34 | 18 | 10 |
| Aug 2013 | 343 | 26 | 28 | 36 | 18 | 7 |
| Sep 2013 | 241 | 25 | 22 | 28 | 15 | 7 |
| Summer 2013 | 1688 | 178 | 115 | 163 | 94 | 40 |
| Oct 2013 | 240 | 26 | 12 | 16 | 9 | 6 |
| Nov 2013 | 239 | 25 | 4 | 6 | 4 | 6 |
| Dec 2013 | 317 | 26 | 4 | 6 | 4 | 6 |
| Jan 2014 | 314 | 26 | 9 | 12 | 6 | 6 |
| Feb 2014 | 234 | 24 | 8 | 11 | 6 | 5 |
| Mar 2014 | 234 | 26 | 9 | 13 | 7 | 5 |
| Winter 2014 | 1578 | 154 | 46 | 64 | 36 | 33 |
| Apr 2014 | 234 | 25 | 14 | 22 | 13 | 5 |
| May 2014 | 238 | 44 | 35 | 52 | 23 | 7 |
| Jun 2014 | 265 | 82 | 20 | 31 | 21 | 9 |
| Jul 2014 | 352 | 37 | 35 | 43 | 23 | 10 |
| Aug 2014 | 372 | 37 | 38 | 45 | 23 | 7 |
| Sep 2014 | 259 | 36 | 35 | 42 | 21 | 6 |
| Summer 2014 | 1460 | 226 | 143 | 192 | 103 | 37 |
| Oct 2014 | 246 | 37 | 34 | 42 | 21 | 6 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



November 2012 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



| Date | Flaming | Blue | Lake | Upper Basin | Lake | Total | Total | Flaming | Blue | Tot or Max | Lake | Lake | BOM Space | Mead | Mead | Sys | | |
|---------------------------|---------|------|--------|-------------|-------|-------|-------|----------------------------|--------|------------|--------|-------|-----------|-------|-------|----------|-----------|--------|
| | George | Mesa | Navajo | Powell | Total | | | Mead | George | Mesa | Navajo | Allow | Powell | Mead | Total | Required | Sched Rel | FC Rel |
| | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | MAF | |
| **** PREDICTED SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | |
| Nov 2012 | 835 | 503 | 710 | 10616 | 12663 | 14114 | 26777 | 835 | 503 | 710 | 2047 | 10616 | 14114 | 26777 | 3810 | 706 | 0 | 33.4 |
| Dec 2012 | 861 | 506 | 727 | 11012 | 13105 | 14118 | 27223 | 861 | 506 | 727 | 2094 | 11012 | 14118 | 27223 | 4580 | 420 | 0 | 33.3 |
| Jan 2013 | 916 | 502 | 743 | 11485 | 13646 | 13714 | 27361 | 916 | 502 | 743 | 2161 | 11485 | 13714 | 27361 | 5350 | 666 | 0 | 33.0 |
| **** PREDICTED SPACE **** | | | | | | | | **** EFFECTIVE SPACE **** | | | | | | | | | | |
| Jan 2013 | 916 | 502 | 743 | 11485 | 13646 | 13714 | 27361 | 338 | 281 | 350 | 969 | 11485 | 13714 | 26169 | 5350 | 666 | 0 | 33.0 |
| Feb 2013 | 966 | 499 | 767 | 11937 | 14170 | 13564 | 27734 | 387 | 280 | 373 | 1041 | 11937 | 13564 | 26542 | 1500 | 622 | 0 | 32.7 |
| Mar 2013 | 1,001 | 496 | 785 | 12226 | 14507 | 13540 | 28047 | 420 | 279 | 390 | 1089 | 12226 | 13540 | 26855 | 1500 | 961 | 0 | 32.2 |
| Apr 2013 | 975 | 487 | 765 | 12458 | 14686 | 13861 | 28547 | 389 | 273 | 367 | 1029 | 12458 | 13861 | 27348 | 1500 | 1098 | 0 | 31.8 |
| May 2013 | 926 | 461 | 726 | 12491 | 14604 | 14360 | 28964 | 334 | 245 | 309 | 888 | 12491 | 14360 | 27738 | 1500 | 993 | 0 | 32.2 |
| Jun 2013 | 861 | 392 | 626 | 11946 | 13825 | 14739 | 28564 | 259 | 161 | 174 | 594 | 11946 | 14739 | 27279 | 1500 | 931 | 0 | 33.2 |
| Jul 2013 | 718 | 246 | 541 | 11143 | 12648 | 14909 | 27557 | 103 | -6 | 37 | 134 | 11143 | 14909 | 26186 | 1500 | 865 | 0 | 33.1 |
| **** PREDICTED SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | |
| Aug 2013 | 632 | 251 | 561 | 11193 | 12637 | 15009 | 27646 | 632 | 251 | 561 | 1444 | 11193 | 15009 | 27646 | 1500 | 826 | 0 | 32.7 |
| Sep 2013 | 647 | 290 | 602 | 11564 | 13102 | 14986 | 28088 | 647 | 290 | 602 | 1538 | 11564 | 14986 | 28088 | 2270 | 645 | 0 | 32.2 |
| Oct 2013 | 680 | 324 | 648 | 11752 | 13404 | 15037 | 28441 | 680 | 324 | 648 | 1651 | 11752 | 15037 | 28441 | 3040 | 499 | 0 | 31.9 |
| Nov 2013 | 705 | 328 | 655 | 11900 | 13588 | 14957 | 28545 | 705 | 328 | 655 | 1688 | 11900 | 14957 | 28545 | 3810 | 629 | 0 | 31.8 |
| Dec 2013 | 730 | 313 | 662 | 12073 | 13778 | 15008 | 28786 | 730 | 313 | 662 | 1705 | 12073 | 15008 | 28786 | 4580 | 528 | 0 | 31.7 |
| Jan 2014 | 769 | 303 | 673 | 12472 | 14217 | 14708 | 28925 | 769 | 303 | 673 | 1745 | 12472 | 14708 | 28925 | 5350 | 673 | 0 | 31.5 |
| **** PREDICTED SPACE **** | | | | | | | | **** EFFECTIVE SPACE **** | | | | | | | | | | |
| Jan 2014 | 769 | 303 | 673 | 12472 | 14217 | 14708 | 28925 | 442 | 303 | 488 | 1233 | 12472 | 14708 | 28413 | 5350 | 673 | 0 | 31.5 |
| Feb 2014 | 803 | 308 | 687 | 12843 | 14641 | 14566 | 29207 | 474 | 308 | 501 | 1283 | 12843 | 14566 | 28691 | 1500 | 679 | 0 | 31.3 |
| Mar 2014 | 827 | 312 | 688 | 13021 | 14849 | 14594 | 29443 | 494 | 312 | 502 | 1308 | 13021 | 14594 | 28924 | 1500 | 1033 | 0 | 31.0 |
| Apr 2014 | 802 | 309 | 634 | 13063 | 14807 | 14983 | 29790 | 464 | 309 | 444 | 1216 | 13063 | 14983 | 29263 | 1500 | 1108 | 0 | 30.9 |
| May 2014 | 745 | 286 | 538 | 12856 | 14425 | 15448 | 29873 | 400 | 286 | 329 | 1014 | 12856 | 15448 | 29318 | 1500 | 992 | 0 | 32.1 |
| Jun 2014 | 631 | 200 | 399 | 11635 | 12864 | 15829 | 28694 | 275 | 200 | 153 | 628 | 11635 | 15829 | 28092 | 1500 | 936 | 0 | 33.6 |
| Jul 2014 | 479 | 30 | 346 | 10199 | 11054 | 16144 | 27197 | 109 | 5 | 48 | 162 | 10199 | 16144 | 26504 | 1500 | 931 | 0 | 33.6 |
| **** PREDICTED SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | |
| Aug 2014 | 388 | 27 | 356 | 10119 | 10890 | 16261 | 27151 | 388 | 27 | 356 | 771 | 10119 | 16261 | 27151 | 1500 | 839 | 0 | 33.2 |
| Sep 2014 | 415 | 77 | 373 | 10448 | 11314 | 16205 | 27519 | 415 | 77 | 373 | 866 | 10448 | 16205 | 27519 | 2270 | 658 | 0 | 32.8 |
| Oct 2014 | 470 | 144 | 377 | 10581 | 11573 | 16240 | 27813 | 470 | 144 | 377 | 992 | 10581 | 16240 | 27813 | 3040 | 439 | 0 | 32.7 |

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