

October 24-Month Study
Date: October 12, 2017

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

Current Reservoir Status

| Reservoir | September Inflow (unregulated) (acre-feet) | Percent of Average (%) | October 11, Midnight Elevation (feet) | October 11, Midnight Reservoir Storage (acre-feet) |
|---------------|--|------------------------|---------------------------------------|--|
| Fontenelle | 66,000 | 144 | 6,495.48 | 265,000 |
| Flaming Gorge | 87,000 | 157 | 6,033.23 | 3,475,000 |
| Blue Mesa | 35,000 | 94 | 7,505.61 | 708,000 |
| Navajo | 9,000 | 21 | 6,056.81 | 1,308,000 |
| Powell | 196,000 | 48 | 3,628.07 | 14,638,000 |

Expected Operations

The operation of Lake Powell and Lake Mead in this October 2017 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 2017 Annual Operating Plan (AOP) and draft 2018 AOP. Pursuant to the Interim Guidelines, the August 2017 24-Month Study projections of the January 1, 2018, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2018.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2018 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 million acre-feet (maf) and the potential for an April adjustment to equalization or balancing releases in April 2018. This October 2017 24-Month Study indicates that, consistent with Section 6.B.4 of the Interim Guidelines, an April adjustment to balancing releases is projected to occur and Lake Powell is projected to release 9.0 maf in water year 2018.

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 2017 and 2018.

The 2018 operational tier determinations will be documented in the 2018 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 2017 AOP is available for download at:

<http://www.usbr.gov/lc/region/g4000/aop/AOP17.pdf>

The draft 2018 AOP is available for download at:

https://www.usbr.gov/lc/region/g4000/AOP2018/AOP18_draft.pdf

Fontenelle Reservoir – Fontenelle Reservoir is currently at elevation 6495.41 feet above sea level (feet), which amounts to 77 percent of live storage capacity. Inflows for the month of September totaled 66,061 acre-feet (af), or 144 percent of average. Above average inflows are continuing to occur. Releases are currently set at 1,300 cubic feet per second (cfs).

The Colorado Basin River Forecast Center has forecasted fall and winter inflows that are above average. October, November, and December forecasted inflow volumes amount to 90,000 af (185 percent of average), 66,000 af (157 percent of average), and 50,000 af (156 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for 10:00 a.m., April 17, 2018 and will be held at the Seedskaadee 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.

Flaming Gorge Reservoir – Releases are currently averaging 2,400 cfs. Unexpected maintenance issues will decrease releases to steady 1,550 cfs in October with an increase in November to accommodate the decrease and meet the May 1 elevation target of 6,027 feet.

Unregulated inflow into Flaming Gorge Reservoir during the month of September was 87,000 af, or 158 percent of average. The reservoir elevation is 6,033.45 feet (93 percent of live capacity) and decreasing. The observed April-July unregulated inflow volume into Flaming Gorge Reservoir was 2.214 maf (226 percent of average). This is the second highest inflow volume into Flaming Gorge with the record volume inflow in 1986 at 2.26 maf (232 percent of average).

The October final forecast for inflows for the next three months projects above average conditions: October, November and December forecasted inflow volumes at 110,000 af (186 percent of average), 85,000 af (166 percent of average), and 56,000 af (161 percent of average), respectively.

The Flaming Gorge Working Group is an open public forum for information exchange between Reclamation and the stakeholders 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 Dale Hamilton at 801-379-1186 or Heather Patno at 801-524-3883.

Reclamation will be holding the next Flaming Gorge Working Group meeting on Thursday, March 8, 2018, at 7:00 p.m. at the Lighthouse Learning Center High School (gymnasium), 251 West 400 North, Price, Utah, and the next on April 19, 2018, at 11:00 a.m. at the UDWR offices 318 North Vernal Ave, Vernal, Utah.

Aspinall Unit Reservoirs – Releases from Crystal Dam are approximately 1,850 cfs. Blue Mesa Reservoir elevation is currently 7505.89 feet which corresponds to a storage content 710,500 acre-feet (86 percent of full capacity). Releases from Crystal will likely be reduced to 1,600 cfs by mid-October and will remain at that level to the end of the month. It is anticipated that the Uncompahgre Valley Water Users Association will stop diverting water through the Gunnison Tunnel at the end of October. Current diversions through the Gunnison Tunnel are approximately 875 cfs.

The September unregulated inflow to Blue Mesa Reservoir was 34,850 af (94 percent of average). The April through July unregulated inflow for 2017 was 919,000 af (135 percent of average). Unregulated Inflows to Blue Mesa for the next three months (October, November and December) are projected to be: 40,000 af (105 percent of average), 35,000 af (113 percent of average) and 29,000 af (112 percent of average), respectively. For water year 2018, the unregulated inflow volume is forecasted to be 900,000 af (94 percent of average) with 607,000 af (90 percent of average) forecasted unregulated inflow during the April through July period. The October 24-Month Study is reflective of this new forecast.

The Aspinall Unit Working Group is an open public forum for information exchange between Reclamation and the stakeholders of the Aspinall Unit. The public is encouraged to attend and comments 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 Erik Knight in the Grand Junction Area Office at (970) 248-0629.

Meeting notes from past working Group meetings are posted on the Working Group webpage at:

<https://www.usbr.gov/uc/wcao/water/rsvrs/mtgs/amcurrnt.html>

The next meeting of the Aspinall Unit Working Group will be held on Thursday, January 18th, 2018 at 1:00 p.m. at the Holiday Inn Express located in Montrose, Colorado.

Navajo Reservoir – As of October 11th, the daily average release at Navajo, as measured at the USGS Archuleta gage, is 512 cfs, and the observed inflow is 1051 cfs. NIIP is diverting 9 cfs. The reservoir elevation is 6056.81 feet (1.3 maf of live storage), and is 77

percent full (62 percent of active storage). Releases are made for the authorized purposes of the Navajo Unit, and pursuant to the 2006 Record of Decision, in an 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 (SJRIP) 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.

Modified unregulated inflow into Navajo was 8,679 af, which was 20 percent of average for the month. Navajo reservoir elevation at the end of the water year (September 30th) was 6055.3 ft.

The most probable modified-unregulated inflow forecast for October at Navajo is 25,000 acre-ft (56 percent of average), for November is 25,000 acre-ft (75 percent of average), and for December is 20,000 acre-ft (80 percent of average). Releases for the remainder of the year will be made to maintain the target baseflow in the critical habitat reach and will likely range between 400 and 600 cfs.

Reclamation conducts Public Operations Meetings three times per year to gather input for determining upcoming operations for Navajo Reservoir. Input from individuals, organizations, and agencies along with other factors such as weather, water rights, endangered species requirements, flood control, hydro power, recreation, fish and wildlife management, and reservoir levels, will be considered in the development of these reservoir operation plans. In addition, the meetings are used to coordinate activities and exchange information among agencies, water users, and other interested parties concerning the San Juan River and Navajo Reservoir.

The next Navajo Public Operations Coordination Meeting is scheduled for January 23rd, 2018, at 1:00 p.m. at the Farmington Civic Center, Farmington, NM.

Glen Canyon Dam / Lake Powell

Current Status

High-Flow Experiments (HFE) below Glen Canyon Dam are driven by weather, sediment inputs, and other resource conditions, in accordance with the Glen Canyon Dam Long-Term Experimental and Management Plan Record of Decision (LTEMP).

When sediment conditions during the summer and fall meet specific thresholds as described in the LTEMP HFE Protocol, a fall HFE can occur. Fall HFEs can be scheduled to occur anytime during the months of October and November. In order to facilitate advance planning for a potential HFE this fall, the HFE technical team determined that October 9th was the latest date for which sediment inputs could be considered for a potential HFE this fall. Grand Canyon Monitoring and Research Center (GCMRC) scientists and Reclamation modelers considered cumulative sediment inputs from July 1 through midnight October 9th. Based on these data it has been determined that there is not sufficient sediment to support implementing a high flow experiment (HFE) at

Glen Canyon Dam during the fall 2017 planning window; therefore an HFE will not be tested this fall.

The unregulated inflow to Lake Powell in September was 196 thousand acre-feet (kaf) (48 percent of average). The release volume from Glen Canyon Dam in September was 663 kaf. The end of September elevation and storage of Lake Powell were 3,628.31 feet (72 feet from full pool) and 14.66 maf (60 percent of full capacity), respectively. The water year 2017 unregulated inflow to Lake Powell was 11.90 maf (110 percent of average). The water year 2017 release from Lake Powell was 9.0 maf. The reservoir elevation peaked at 3,635.80 feet on July 11th and is now in its seasonal decline through the fall and winter months.

Current Operations

The operating tier for water year 2018 was established in August 2017 as the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April 2018 adjustment to equalization or balancing releases. Based on the current forecast, an April adjustment to balancing is projected to occur and Lake Powell is currently projected to release 9.0 maf in water year 2018. This projection will be updated each month throughout the water year. Reclamation will schedule operations at Glen Canyon Dam to achieve as practicably as possible the appropriate total annual release volume by September 30, 2018.

In October 2018, the release volume will be approximately 667 kaf, with fluctuations anticipated between about 8,300 cfs in the nighttime to about 14,000 cfs in the daytime and consistent with the Glen Canyon Operating Criteria (Federal Register, Volume 62, No. 41, March 3, 1997). The anticipated release volume for November is 630 kaf with daily fluctuations between approximately 8,000 cfs and 13,700 cfs. The expected release for December is 740 kaf with daily fluctuations between approximately 7,300 cfs and 14,000 cfs.

In addition to daily scheduled fluctuations for power generation, the instantaneous releases from Glen Canyon Dam may also fluctuate to provide 40 megawatts (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 releases when called upon to respond to unscheduled power outages or power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant, within the full range of the operating capacity of the power plant for as long as is necessary to maintain balance in the transmission system. Glen Canyon Dam currently maintains 27 mw (approximately 800 cfs) of generation capacity in reserve in order to respond to a system emergency even when generation rates are already high. System emergencies occur fairly infrequently and typically require small responses

from Glen Canyon Dam. However, these responses can have a noticeable impact on the river downstream of Glen Canyon Dam.

Inflow Forecasts and Model Projections

The forecast for water year 2018 unregulated inflow to Lake Powell, issued on October 1, 2017, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume next year will be 9.71 maf (90 percent of average). There is significant uncertainty regarding next season's snow pack development and resulting runoff into Lake Powell. The forecast ranges from a minimum probable of 7.0 maf (65 percent of average) to a maximum probable of 17.5 maf (162 percent of average). There is a 10 percent chance that inflows could be higher than the current maximum probable forecast and a 10 percent chance that inflows could be lower than the minimum probable forecast.

Based on the current forecast, the October 24-Month Study projects Lake Powell elevation will end water year 2018 near 3,631 feet with approximately 14.9 maf in storage (61 percent of capacity). Note that projections of elevation and storage for water year 2018 have significant uncertainty at this point in the season. Projections of elevation and storage using the minimum and maximum probable inflow forecast are 3,612 feet (12.9 maf, 53 percent of capacity) and 3,654 feet (17.7 maf, 73 percent of capacity), respectively. Under these scenarios, 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 2018 is projected to be 9.0 maf under the minimum and most probable inflow scenarios and 13.56 maf under the maximum probable inflow scenario. There is a chance that inflows could be higher or lower, potentially resulting in releases greater than 13.56 maf or as low as 8.23 maf in water year 2018.

Upper Colorado River Basin Hydrology

The Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 18-year period 2000 to 2017, 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 4 out of the past 18 years. The period 2000-2017 is the lowest 18-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.76 maf, or 81 percent of the 30-year average (1981-2010). (For comparison, the 1981-2010 total water year average is 10.83 maf.) The unregulated inflow during the 2000-2017 period has ranged from a low of 2.64 maf (24 percent of average) in water year 2002 to a high of 15.97 maf (147 percent of average) in water year 2011. In water year 2017 unregulated inflow volume to Lake Powell was 11.9 maf (110 percent of average), the fourth year to be above average. Under the current most probable forecast, the total water year 2018 unregulated inflow to Lake Powell is projected to be 9.71 maf (90 percent of average).

At the beginning of water year 2018, total system storage in the Colorado River Basin was 32.9 maf (55 percent of 59.6 maf total system capacity). This is an increase of 2.2 maf over the total storage at the beginning of water year 2016 when total system storage was 30.7 maf (51 percent 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 percent of capacity at the beginning of 2000 to a low of 50 percent of capacity at the beginning of water year 2005. 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 total Colorado Basin reservoir storage for water year 2018 is approximately 32.52 maf (55 percent of total system capacity). The actual end of water year 2018 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow. Based on the October minimum and maximum probable inflow forecasts and modeling, the range of end of water year 2018 total system capacity is approximately 30.06 maf (50 percent of capacity) to 35.47 maf (59 percent of capacity), respectively.

TO ALL ANNUAL OPERATING PLAN RECIPIENTS

MAILED FROM UPPER COLORADO REGION
WATER RESOURCES GROUP
ATTENTION UC-430
125 SOUTH STATE STREET, ROOM 8100
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 | | sep | Forecast | | | |
|--------|---------------|------|------|------|------|----------|------|------|------|
| : | | jun | jul | aug | sep | %Avg | oct | nov | dec |
| GLDA3: | Lake Powell | 3115 | 1073 | 446 | 196 | 48%: | 510/ | 490/ | 380/ |
| GBRW4: | Fontenelle | 732 | 332 | 102 | 66 | 144%: | 90/ | 66/ | 50/ |
| GRNU1: | Flaming Gorge | 895 | 387 | 120 | 87 | 158%: | 110/ | 85/ | 56/ |
| BMDC2: | Blue Mesa | 392 | 135 | 84 | 36 | 95%: | 40/ | 35/ | 29/ |
| MPSC2: | Morrow Point | 411 | 139 | 86 | 35 | 86%: | 42/ | 36/ | 30/ |
| CLSC2: | Crystal | 446 | 148 | 89 | 39 | 83%: | 45/ | 38/ | 32/ |
| TPIC2: | Taylor Park | 63 | 24 | 12.1 | 7.7 | 104%: | 7/ | 5.5/ | 5/ |
| VCRC2: | Vallecito | 72 | 30 | 18.8 | 8.6 | 49%: | 10/ | 8/ | 6/ |
| NVRN5: | Navajo | 230 | 49 | 29 | 9.0 | 21%: | 25/ | 25/ | 20/ |
| LEMC2: | Lemon | 23 | 7.0 | 4.1 | 1.73 | 43%: | 2/ | 1.5/ | 1/ |
| MPHC2: | McPhee | 95 | 25 | 15.3 | 7.5 | 66%: | 7/ | 6/ | 4.5/ |
| RBSC2: | Ridgway | 46 | 26 | 11.7 | 5.1 | 52%: | 7/ | 5.5/ | 4.5/ |

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------------------------------|-----------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|
| * Oct 2016 | 57 | 1 | 0 | 57 | 57 | 6490.08 | 228 |
| H Nov 2016 | 62 | 1 | 0 | 59 | 59 | 6490.44 | 230 |
| I Dec 2016 | 37 | 1 | 0 | 63 | 63 | 6486.33 | 203 |
| S Jan 2017 | 45 | 1 | 0 | 63 | 63 | 6483.20 | 184 |
| T Feb 2017 | 51 | 1 | 0 | 57 | 57 | 6482.06 | 178 |
| O Mar 2017 | 180 | 1 | 0 | 150 | 150 | 6486.90 | 207 |
| R Apr 2017 | 225 | 1 | 0 | 304 | 304 | 6472.17 | 128 |
| I May 2017 | 430 | 1 | 54 | 373 | 427 | 6472.55 | 129 |
| C Jun 2017 | 732 | 2 | 74 | 469 | 543 | 6502.49 | 317 |
| A Jul 2017 | 332 | 3 | 88 | 230 | 319 | 6503.83 | 328 |
| L Aug 2017 | 102 | 2 | 95 | 61 | 156 | 6496.34 | 271 |
| * Sep 2017 | 66 | 2 | 69 | 4 | 72 | 6495.21 | 263 |
| WY 2017 | 2319 | 15 | 379 | 1890 | 2270 | | |
| Oct 2017 | 90 | 1 | 78 | 0 | 78 | 6496.72 | 275 |
| Nov 2017 | 66 | 1 | 76 | 0 | 76 | 6495.23 | 264 |
| Dec 2017 | 50 | 1 | 78 | 0 | 78 | 6491.10 | 235 |
| Jan 2018 | 45 | 1 | 78 | 0 | 78 | 6485.92 | 202 |
| Feb 2018 | 40 | 1 | 71 | 0 | 71 | 6480.58 | 170 |
| Mar 2018 | 60 | 1 | 90 | 0 | 90 | 6474.57 | 140 |
| Apr 2018 | 93 | 1 | 93 | 27 | 120 | 6468.28 | 112 |
| May 2018 | 185 | 1 | 96 | 64 | 160 | 6473.78 | 136 |
| Jun 2018 | 325 | 2 | 101 | 61 | 162 | 6499.72 | 297 |
| Jul 2018 | 210 | 3 | 101 | 61 | 162 | 6505.56 | 342 |
| Aug 2018 | 85 | 2 | 95 | 0 | 95 | 6504.01 | 330 |
| Sep 2018 | 51 | 2 | 75 | 0 | 75 | 6500.66 | 304 |
| WY 2018 | 1300 | 15 | 1032 | 213 | 1245 | | |
| Oct 2018 | 52 | 1 | 73 | 0 | 73 | 6497.78 | 282 |
| Nov 2018 | 44 | 1 | 70 | 0 | 70 | 6493.98 | 255 |
| Dec 2018 | 32 | 1 | 73 | 0 | 73 | 6487.81 | 214 |
| Jan 2019 | 30 | 1 | 73 | 0 | 73 | 6480.76 | 171 |
| Feb 2019 | 28 | 1 | 66 | 0 | 66 | 6473.09 | 133 |
| Mar 2019 | 53 | 0 | 73 | 0 | 73 | 6468.36 | 112 |
| Apr 2019 | 85 | 1 | 71 | 0 | 71 | 6471.54 | 126 |
| May 2019 | 164 | 1 | 98 | 30 | 129 | 6478.63 | 160 |
| Jun 2019 | 299 | 2 | 102 | 58 | 160 | 6499.70 | 297 |
| Jul 2019 | 178 | 3 | 101 | 28 | 129 | 6505.59 | 342 |
| Aug 2019 | 77 | 2 | 97 | 0 | 97 | 6502.68 | 319 |
| Sep 2019 | 46 | 2 | 71 | 0 | 71 | 6499.09 | 292 |
| WY 2019 | 1087 | 15 | 967 | 117 | 1084 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|--|---------------------------------|--------------------------------|
| * | Oct 2016 | 70 | 70 | 7 | 85 | 0 | 85 | 128 | 6025.69 | 3186 | 119 |
| H | Nov 2016 | 73 | 70 | 4 | 77 | 0 | 77 | 128 | 6025.41 | 3175 | 112 |
| I | Dec 2016 | 35 | 61 | 2 | 106 | 0 | 106 | 126 | 6024.19 | 3130 | 136 |
| S | Jan 2017 | 49 | 67 | 2 | 110 | 0 | 110 | 124 | 6023.01 | 3087 | 149 |
| T | Feb 2017 | 106 | 112 | 2 | 109 | 0 | 109 | 124 | 6023.03 | 3088 | 189 |
| O | Mar 2017 | 400 | 370 | 3 | 256 | 26 | 282 | 128 | 6025.25 | 3169 | 408 |
| R | Apr 2017 | 350 | 428 | 5 | 268 | 244 | 511 | 124 | 6022.93 | 3084 | 745 |
| I | May 2017 | 582 | 580 | 8 | 278 | 171 | 449 | 129 | 6026.15 | 3203 | 857 |
| C | Jun 2017 | 895 | 705 | 11 | 263 | 223 | 486 | 137 | 6031.41 | 3404 | 859 |
| A | Jul 2017 | 387 | 374 | 14 | 180 | 48 | 228 | 142 | 6034.61 | 3531 | 314 |
| L | Aug 2017 | 120 | 174 | 13 | 143 | 0 | 143 | 143 | 6035.05 | 3548 | 172 |
| * | Sep 2017 | 87 | 93 | 11 | 141 | 0 | 141 | 140 | 6033.63 | 3491 | 160 |
| WY 2017 | | 3153 | 3104 | 81 | 2016 | 712 | 2728 | | | | 4222 |
| | Oct 2017 | 110 | 98 | 8 | 107 | 0 | 107 | 140 | 6033.24 | 3476 | 131 |
| | Nov 2017 | 85 | 95 | 4 | 142 | 0 | 142 | 138 | 6032.01 | 3427 | 173 |
| | Dec 2017 | 56 | 84 | 2 | 172 | 0 | 172 | 134 | 6029.80 | 3341 | 197 |
| | Jan 2018 | 64 | 97 | 2 | 172 | 0 | 172 | 131 | 6027.86 | 3267 | 194 |
| | Feb 2018 | 64 | 95 | 2 | 156 | 0 | 156 | 129 | 6026.26 | 3207 | 178 |
| | Mar 2018 | 120 | 150 | 3 | 154 | 0 | 154 | 129 | 6026.09 | 3201 | 219 |
| | Apr 2018 | 145 | 172 | 5 | 149 | 0 | 149 | 130 | 6026.56 | 3218 | 339 |
| | May 2018 | 270 | 245 | 8 | 215 | 0 | 215 | 130 | 6027.14 | 3240 | 715 |
| | Jun 2018 | 410 | 247 | 10 | 271 | 0 | 271 | 129 | 6026.25 | 3207 | 721 |
| | Jul 2018 | 250 | 202 | 13 | 100 | 0 | 100 | 132 | 6028.51 | 3292 | 175 |
| | Aug 2018 | 99 | 109 | 13 | 100 | 0 | 100 | 132 | 6028.43 | 3289 | 121 |
| | Sep 2018 | 62 | 86 | 11 | 97 | 0 | 97 | 131 | 6027.87 | 3268 | 112 |
| WY 2018 | | 1735 | 1680 | 80 | 1833 | 0 | 1833 | | | | 3273 |
| | Oct 2018 | 64 | 84 | 7 | 100 | 0 | 100 | 131 | 6027.29 | 3246 | 128 |
| | Nov 2018 | 53 | 80 | 3 | 97 | 0 | 97 | 130 | 6026.77 | 3226 | 126 |
| | Dec 2018 | 35 | 75 | 2 | 100 | 0 | 100 | 129 | 6026.10 | 3201 | 125 |
| | Jan 2019 | 40 | 83 | 2 | 100 | 0 | 100 | 128 | 6025.60 | 3183 | 125 |
| | Feb 2019 | 45 | 82 | 2 | 90 | 0 | 90 | 128 | 6025.35 | 3173 | 118 |
| | Mar 2019 | 102 | 122 | 3 | 100 | 0 | 100 | 128 | 6025.85 | 3192 | 177 |
| | Apr 2019 | 134 | 119 | 5 | 97 | 0 | 97 | 129 | 6026.31 | 3209 | 312 |
| | May 2019 | 245 | 210 | 8 | 160 | 0 | 160 | 131 | 6027.41 | 3250 | 692 |
| | Jun 2019 | 390 | 251 | 10 | 146 | 0 | 146 | 134 | 6029.79 | 3341 | 566 |
| | Jul 2019 | 210 | 162 | 14 | 98 | 0 | 98 | 136 | 6031.02 | 3388 | 198 |
| | Aug 2019 | 89 | 109 | 13 | 98 | 0 | 98 | 136 | 6030.97 | 3386 | 124 |
| | Sep 2019 | 55 | 81 | 11 | 95 | 0 | 95 | 135 | 6030.32 | 3362 | 114 |
| WY 2019 | | 1462 | 1459 | 80 | 1281 | 0 | 1281 | | | | 2804 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 24-Month Study

Most Probable Inflow*

Taylor Park Reservoir



| | Regulated Inflow | Total Release | Reservoir Elev End of Month | Live Storage |
|----------------|---------------------|------------------|--------------------------------|-----------------|
| Date | (1000 Ac-Ft) | (1000 Ac-Ft) | (Ft) | (1000 Ac-Ft) |
| * Oct 2016 | 5 | 6 | 9310.23 | 70 |
| H Nov 2016 | 4 | 5 | 9309.76 | 70 |
| I Dec 2016 | 5 | 5 | 9309.56 | 69 |
| S Jan 2017 | 6 | 5 | 9309.76 | 70 |
| T Feb 2017 | 4 | 5 | 9309.43 | 69 |
| O Mar 2017 | 6 | 6 | 9309.23 | 69 |
| R Apr 2017 | 13 | 9 | 9312.04 | 73 |
| I May 2017 | 30 | 19 | 9318.55 | 84 |
| C Jun 2017 | 62 | 45 | 9327.76 | 102 |
| A Jul 2017 | 24 | 26 | 9326.95 | 100 |
| L Aug 2017 | 12 | 25 | 9320.31 | 88 |
| * Sep 2017 | 8 | 18 | 9314.58 | 77 |
| <hr/> | | | | |
| WY 2017 | 179 | 173 | | |
| <hr/> | | | | |
| Oct 2017 | 7 | 8 | 9314.06 | 77 |
| Nov 2017 | 6 | 6 | 9313.76 | 76 |
| Dec 2017 | 5 | 6 | 9313.16 | 75 |
| Jan 2018 | 5 | 6 | 9312.56 | 74 |
| Feb 2018 | 4 | 6 | 9311.33 | 72 |
| Mar 2018 | 4 | 6 | 9310.09 | 70 |
| Apr 2018 | 8 | 8 | 9310.09 | 70 |
| May 2018 | 27 | 17 | 9316.11 | 80 |
| Jun 2018 | 42 | 22 | 9326.91 | 100 |
| Jul 2018 | 17 | 22 | 9324.33 | 95 |
| Aug 2018 | 8 | 20 | 9317.82 | 83 |
| Sep 2018 | 7 | 16 | 9312.56 | 74 |
| <hr/> | | | | |
| WY 2018 | 140 | 143 | | |
| <hr/> | | | | |
| Oct 2018 | 6 | 8 | 9311.61 | 72 |
| Nov 2018 | 5 | 6 | 9311.00 | 71 |
| Dec 2018 | 5 | 6 | 9310.18 | 70 |
| Jan 2019 | 4 | 6 | 9309.13 | 69 |
| Feb 2019 | 4 | 6 | 9307.72 | 66 |
| Mar 2019 | 4 | 6 | 9306.69 | 65 |
| Apr 2019 | 9 | 6 | 9308.49 | 68 |
| May 2019 | 28 | 20 | 9313.62 | 76 |
| Jun 2019 | 42 | 22 | 9324.59 | 96 |
| Jul 2019 | 20 | 22 | 9323.62 | 94 |
| Aug 2019 | 10 | 20 | 9318.35 | 84 |
| Sep 2019 | 7 | 16 | 9313.34 | 75 |
| <hr/> | | | | |
| WY 2019 | 145 | 144 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|------------------------------|----------------------------------|-----------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|
| * | Oct 2016 | 32 | 33 | 1 | 90 | 0 | 90 | 7493.44 | 608 |
| H | Nov 2016 | 26 | 27 | 0 | 33 | 0 | 33 | 7492.53 | 601 |
| I | Dec 2016 | 26 | 26 | 0 | 35 | 0 | 35 | 7491.43 | 593 |
| S | Jan 2017 | 29 | 28 | 0 | 34 | 0 | 34 | 7490.68 | 587 |
| T | Feb 2017 | 28 | 29 | 0 | 44 | 1 | 44 | 7488.71 | 571 |
| O | Mar 2017 | 70 | 70 | 0 | 69 | 0 | 70 | 7488.71 | 571 |
| R | Apr 2017 | 145 | 140 | 1 | 53 | 0 | 53 | 7499.55 | 658 |
| I | May 2017 | 244 | 233 | 1 | 151 | 65 | 293 | 7491.98 | 597 |
| C | Jun 2017 | 392 | 373 | 1 | 139 | 35 | 175 | 7515.35 | 793 |
| A | Jul 2017 | 135 | 137 | 2 | 113 | 0 | 110 | 7518.20 | 819 |
| L | Aug 2017 | 84 | 96 | 1 | 111 | 0 | 111 | 7516.38 | 802 |
| * | Sep 2017 | 35 | 45 | 1 | 115 | 0 | 114 | 7508.43 | 732 |
| WY 2017 | | 1245 | 1238 | 9 | 987 | 101 | 1163 | | |
| | Oct 2017 | 40 | 41 | 1 | 75 | 0 | 75 | 7504.35 | 698 |
| | Nov 2017 | 35 | 36 | 0 | 71 | 0 | 71 | 7500.07 | 662 |
| | Dec 2017 | 29 | 30 | 0 | 117 | 0 | 117 | 7489.16 | 575 |
| | Jan 2018 | 28 | 29 | 0 | 75 | 0 | 75 | 7483.05 | 528 |
| | Feb 2018 | 24 | 26 | 0 | 37 | 0 | 37 | 7481.56 | 517 |
| | Mar 2018 | 36 | 38 | 0 | 38 | 0 | 38 | 7481.51 | 517 |
| | Apr 2018 | 69 | 69 | 1 | 50 | 0 | 50 | 7483.92 | 535 |
| | May 2018 | 190 | 180 | 1 | 146 | 0 | 146 | 7488.31 | 568 |
| | Jun 2018 | 255 | 235 | 1 | 52 | 0 | 52 | 7510.48 | 750 |
| | Jul 2018 | 93 | 98 | 2 | 90 | 0 | 90 | 7511.26 | 757 |
| | Aug 2018 | 52 | 64 | 1 | 98 | 0 | 98 | 7507.24 | 722 |
| | Sep 2018 | 49 | 58 | 1 | 86 | 0 | 86 | 7503.84 | 693 |
| WY 2018 | | 900 | 903 | 9 | 934 | 0 | 934 | | |
| | Oct 2018 | 46 | 47 | 1 | 60 | 0 | 60 | 7502.25 | 680 |
| | Nov 2018 | 34 | 35 | 0 | 59 | 0 | 59 | 7499.38 | 656 |
| | Dec 2018 | 26 | 27 | 0 | 107 | 0 | 107 | 7489.32 | 576 |
| | Jan 2019 | 24 | 26 | 0 | 83 | 0 | 83 | 7481.78 | 519 |
| | Feb 2019 | 22 | 25 | 0 | 32 | 0 | 32 | 7480.71 | 511 |
| | Mar 2019 | 36 | 38 | 0 | 35 | 0 | 35 | 7481.06 | 514 |
| | Apr 2019 | 77 | 74 | 1 | 45 | 0 | 45 | 7484.93 | 543 |
| | May 2019 | 221 | 213 | 1 | 153 | 0 | 153 | 7492.55 | 601 |
| | Jun 2019 | 261 | 241 | 1 | 72 | 0 | 72 | 7512.63 | 769 |
| | Jul 2019 | 117 | 119 | 2 | 87 | 0 | 87 | 7516.04 | 799 |
| | Aug 2019 | 63 | 73 | 1 | 96 | 0 | 96 | 7513.34 | 775 |
| | Sep 2019 | 38 | 47 | 1 | 95 | 0 | 95 | 7507.63 | 725 |
| WY 2019 | | 966 | 964 | 9 | 924 | 0 | 924 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|------------------------------|-----------------------------------|-----------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|
| * | Oct 2016 | 33 | 90 | 1 | 91 | 93 | 0 | 93 | 7146.55 | 106 |
| H | Nov 2016 | 28 | 33 | 2 | 36 | 32 | 0 | 35 | 7147.39 | 107 |
| I | Dec 2016 | 27 | 35 | 1 | 36 | 34 | 0 | 34 | 7150.44 | 109 |
| S | Jan 2017 | 30 | 34 | 2 | 36 | 33 | 0 | 33 | 7153.75 | 112 |
| T | Feb 2017 | 29 | 44 | 1 | 45 | 55 | 0 | 55 | 7140.48 | 102 |
| O | Mar 2017 | 74 | 70 | 5 | 74 | 64 | 0 | 68 | 7148.96 | 108 |
| R | Apr 2017 | 157 | 53 | 12 | 66 | 65 | 0 | 65 | 7149.64 | 109 |
| I | May 2017 | 263 | 293 | 19 | 312 | 203 | 0 | 312 | 7149.70 | 109 |
| C | Jun 2017 | 411 | 175 | 19 | 195 | 184 | 0 | 193 | 7151.34 | 110 |
| A | Jul 2017 | 139 | 110 | 4 | 114 | 37 | 0 | 111 | 7155.13 | 113 |
| L | Aug 2017 | 86 | 111 | 2 | 113 | 0 | 0 | 115 | 7152.68 | 111 |
| * | Sep 2017 | 35 | 114 | 0 | 115 | 92 | 0 | 112 | 7155.62 | 114 |
| WY 2017 | | 1314 | 1163 | 69 | 1232 | 893 | 0 | 1226 | | |
| | Oct 2017 | 42 | 75 | 2 | 77 | 79 | 0 | 79 | 7153.73 | 112 |
| | Nov 2017 | 36 | 71 | 1 | 72 | 72 | 0 | 72 | 7153.73 | 112 |
| | Dec 2017 | 30 | 117 | 1 | 118 | 118 | 0 | 118 | 7153.73 | 112 |
| | Jan 2018 | 31 | 75 | 3 | 78 | 78 | 0 | 78 | 7153.73 | 112 |
| | Feb 2018 | 26 | 37 | 2 | 39 | 39 | 0 | 39 | 7153.73 | 112 |
| | Mar 2018 | 40 | 38 | 4 | 42 | 42 | 0 | 42 | 7153.73 | 112 |
| | Apr 2018 | 79 | 50 | 10 | 60 | 60 | 0 | 60 | 7153.73 | 112 |
| | May 2018 | 210 | 146 | 20 | 166 | 166 | 0 | 166 | 7153.73 | 112 |
| | Jun 2018 | 275 | 52 | 20 | 72 | 72 | 0 | 72 | 7153.73 | 112 |
| | Jul 2018 | 99 | 90 | 6 | 96 | 96 | 0 | 96 | 7153.73 | 112 |
| | Aug 2018 | 55 | 98 | 3 | 101 | 101 | 0 | 101 | 7153.73 | 112 |
| | Sep 2018 | 52 | 86 | 3 | 89 | 89 | 0 | 89 | 7153.73 | 112 |
| WY 2018 | | 975 | 934 | 75 | 1009 | 1010 | 0 | 1010 | | |
| | Oct 2018 | 48 | 60 | 3 | 63 | 63 | 0 | 63 | 7153.73 | 112 |
| | Nov 2018 | 36 | 59 | 2 | 61 | 61 | 0 | 61 | 7153.73 | 112 |
| | Dec 2018 | 28 | 107 | 2 | 109 | 109 | 0 | 109 | 7153.73 | 112 |
| | Jan 2019 | 27 | 83 | 2 | 85 | 85 | 0 | 85 | 7153.73 | 112 |
| | Feb 2019 | 25 | 32 | 3 | 35 | 35 | 0 | 35 | 7153.73 | 112 |
| | Mar 2019 | 40 | 35 | 4 | 39 | 39 | 0 | 39 | 7153.73 | 112 |
| | Apr 2019 | 88 | 45 | 11 | 56 | 56 | 0 | 56 | 7153.73 | 112 |
| | May 2019 | 247 | 153 | 26 | 179 | 179 | 0 | 179 | 7153.73 | 112 |
| | Jun 2019 | 281 | 72 | 20 | 92 | 92 | 0 | 92 | 7153.73 | 112 |
| | Jul 2019 | 123 | 87 | 6 | 93 | 93 | 0 | 93 | 7153.73 | 112 |
| | Aug 2019 | 67 | 96 | 3 | 99 | 99 | 0 | 99 | 7153.73 | 112 |
| | Sep 2019 | 41 | 95 | 3 | 98 | 98 | 0 | 98 | 7153.73 | 112 |
| WY 2019 | | 1051 | 924 | 85 | 1009 | 1009 | 0 | 1009 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|------------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|-----------------------------|-----------------------------------|
| * | Oct 2016 | 37 | 93 | 4 | 97 | 97 | 0 | 97 | 6747.92 | 15 | 57 | 39 |
| H | Nov 2016 | 31 | 35 | 3 | 38 | 37 | 0 | 37 | 6750.47 | 16 | 1 | 36 |
| I | Dec 2016 | 31 | 34 | 4 | 38 | 36 | 1 | 37 | 6751.45 | 17 | 0 | 37 |
| S | Jan 2017 | 35 | 33 | 4 | 37 | 36 | 2 | 37 | 6750.29 | 16 | 1 | 37 |
| T | Feb 2017 | 34 | 55 | 4 | 59 | 56 | 4 | 60 | 6749.56 | 16 | 0 | 60 |
| O | Mar 2017 | 81 | 68 | 6 | 74 | 0 | 73 | 73 | 6752.06 | 17 | 8 | 67 |
| R | Apr 2017 | 167 | 65 | 10 | 75 | 31 | 44 | 75 | 6751.65 | 17 | 39 | 38 |
| I | May 2017 | 285 | 312 | 22 | 334 | 86 | 73 | 331 | 6759.83 | 19 | 62 | 270 |
| C | Jun 2017 | 446 | 193 | 36 | 229 | 44 | 127 | 231 | 6751.78 | 17 | 61 | 172 |
| A | Jul 2017 | 148 | 111 | 8 | 119 | 96 | 25 | 121 | 6746.24 | 15 | 63 | 60 |
| L | Aug 2017 | 89 | 115 | 3 | 119 | 119 | 0 | 119 | 6744.79 | 15 | 62 | 58 |
| * | Sep 2017 | 39 | 112 | 4 | 116 | 115 | 0 | 115 | 6748.63 | 16 | 59 | 56 |
| WY 2017 | | 1423 | 1226 | 109 | 1335 | 751 | 350 | 1334 | | | 413 | 929 |
| | Oct 2017 | 45 | 79 | 3 | 82 | 80 | 0 | 80 | 6753.04 | 17 | 30 | 50 |
| | Nov 2017 | 38 | 72 | 2 | 74 | 74 | 0 | 74 | 6753.04 | 17 | 0 | 74 |
| | Dec 2017 | 32 | 118 | 2 | 120 | 120 | 0 | 120 | 6753.04 | 17 | 0 | 120 |
| | Jan 2018 | 37 | 78 | 6 | 84 | 84 | 0 | 84 | 6753.04 | 17 | 0 | 84 |
| | Feb 2018 | 30 | 39 | 4 | 43 | 43 | 0 | 43 | 6753.04 | 17 | 0 | 43 |
| | Mar 2018 | 46 | 42 | 6 | 48 | 48 | 0 | 48 | 6753.04 | 17 | 5 | 43 |
| | Apr 2018 | 90 | 60 | 11 | 71 | 71 | 0 | 71 | 6753.04 | 17 | 30 | 41 |
| | May 2018 | 240 | 166 | 30 | 196 | 134 | 61 | 196 | 6753.04 | 17 | 55 | 141 |
| | Jun 2018 | 310 | 72 | 35 | 107 | 107 | 0 | 107 | 6753.04 | 17 | 60 | 47 |
| | Jul 2018 | 111 | 96 | 12 | 108 | 108 | 0 | 108 | 6753.04 | 17 | 65 | 43 |
| | Aug 2018 | 62 | 101 | 7 | 108 | 108 | 0 | 108 | 6753.04 | 17 | 65 | 43 |
| | Sep 2018 | 59 | 89 | 7 | 96 | 96 | 0 | 96 | 6753.04 | 17 | 55 | 41 |
| WY 2018 | | 1100 | 1010 | 125 | 1135 | 1073 | 61 | 1134 | | | 365 | 769 |
| | Oct 2018 | 55 | 63 | 7 | 69 | 69 | 0 | 69 | 6753.04 | 17 | 30 | 39 |
| | Nov 2018 | 41 | 61 | 5 | 66 | 66 | 0 | 66 | 6753.04 | 17 | 0 | 66 |
| | Dec 2018 | 32 | 109 | 5 | 114 | 114 | 0 | 114 | 6753.04 | 17 | 0 | 114 |
| | Jan 2019 | 31 | 85 | 5 | 90 | 90 | 0 | 90 | 6753.04 | 17 | 0 | 90 |
| | Feb 2019 | 29 | 35 | 4 | 39 | 39 | 0 | 39 | 6753.04 | 17 | 0 | 39 |
| | Mar 2019 | 46 | 39 | 6 | 45 | 45 | 0 | 45 | 6753.04 | 17 | 5 | 40 |
| | Apr 2019 | 101 | 56 | 12 | 68 | 68 | 0 | 68 | 6753.04 | 17 | 30 | 38 |
| | May 2019 | 281 | 179 | 34 | 213 | 134 | 79 | 213 | 6753.04 | 17 | 55 | 158 |
| | Jun 2019 | 315 | 92 | 34 | 126 | 126 | 0 | 126 | 6753.04 | 17 | 60 | 66 |
| | Jul 2019 | 138 | 93 | 14 | 108 | 108 | 0 | 108 | 6753.04 | 17 | 65 | 43 |
| | Aug 2019 | 75 | 99 | 8 | 108 | 108 | 0 | 108 | 6753.04 | 17 | 65 | 43 |
| | Sep 2019 | 47 | 98 | 6 | 104 | 104 | 0 | 104 | 6753.04 | 17 | 55 | 49 |
| WY 2019 | | 1191 | 1009 | 140 | 1149 | 1070 | 79 | 1149 | | | 365 | 784 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
| * Oct 2016 | 11 | 8 | 7644.63 | 74 |
| H Nov 2016 | 6 | 2 | 7646.51 | 79 |
| I Dec 2016 | 6 | 2 | 7647.98 | 82 |
| S Jan 2017 | 7 | 5 | 7648.89 | 84 |
| T Feb 2017 | 7 | 15 | 7645.42 | 76 |
| O Mar 2017 | 24 | 24 | 7645.75 | 77 |
| R Apr 2017 | 45 | 35 | 7649.82 | 87 |
| I May 2017 | 67 | 44 | 7658.86 | 109 |
| C Jun 2017 | 72 | 57 | 7664.54 | 124 |
| A Jul 2017 | 30 | 39 | 7660.94 | 115 |
| L Aug 2017 | 19 | 33 | 7655.15 | 100 |
| * Sep 2017 | 9 | 34 | 7644.31 | 74 |
| <hr/> | | | | |
| WY 2017 | 303 | 297 | | |
| <hr/> | | | | |
| Oct 2017 | 10 | 20 | 7639.51 | 63 |
| Nov 2017 | 8 | 2 | 7642.34 | 69 |
| Dec 2017 | 6 | 2 | 7644.18 | 73 |
| Jan 2018 | 5 | 2 | 7645.55 | 77 |
| Feb 2018 | 4 | 2 | 7646.52 | 79 |
| Mar 2018 | 6 | 2 | 7648.21 | 83 |
| Apr 2018 | 15 | 2 | 7653.54 | 96 |
| May 2018 | 57 | 31 | 7663.40 | 121 |
| Jun 2018 | 70 | 67 | 7664.37 | 124 |
| Jul 2018 | 27 | 42 | 7658.65 | 109 |
| Aug 2018 | 17 | 38 | 7650.14 | 87 |
| Sep 2018 | 15 | 30 | 7643.70 | 72 |
| <hr/> | | | | |
| WY 2018 | 240 | 238 | | |
| <hr/> | | | | |
| Oct 2018 | 14 | 17 | 7642.24 | 69 |
| Nov 2018 | 8 | 2 | 7645.14 | 76 |
| Dec 2018 | 6 | 2 | 7647.06 | 80 |
| Jan 2019 | 5 | 2 | 7648.54 | 83 |
| Feb 2019 | 5 | 2 | 7649.78 | 86 |
| Mar 2019 | 9 | 2 | 7652.49 | 93 |
| Apr 2019 | 23 | 2 | 7660.81 | 114 |
| May 2019 | 71 | 61 | 7664.53 | 124 |
| Jun 2019 | 70 | 70 | 7664.40 | 124 |
| Jul 2019 | 29 | 42 | 7659.41 | 111 |
| Aug 2019 | 20 | 38 | 7652.10 | 92 |
| Sep 2019 | 17 | 29 | 7647.19 | 80 |
| <hr/> | | | | |
| WY 2019 | 279 | 267 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 24-Month Study

Most Probable Inflow*
Navajo Reservoir



| | Mod Unreg Inflow | Azetea Tunnel Div | Reg Inflow | Evap Losses | NIIP Diversion | Total Release | Reservoir Elev End of Month | Live Storage | Farmington Flow |
|----------------|---------------------|----------------------|---------------|----------------|-------------------|------------------|--------------------------------|-----------------|--------------------|
| Date | (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) |
| * Oct 2016 | 27 | 0 | 24 | 2 | 5 | 27 | 6056.19 | 1300 | 46 |
| H Nov 2016 | 24 | 0 | 19 | 1 | 0 | 22 | 6055.87 | 1296 | 43 |
| I Dec 2016 | 25 | 0 | 22 | 1 | 0 | 21 | 6055.92 | 1297 | 40 |
| S Jan 2017 | 34 | 0 | 32 | 1 | 0 | 22 | 6056.65 | 1306 | 39 |
| T Feb 2017 | 56 | 1 | 62 | 1 | 1 | 27 | 6059.31 | 1339 | 48 |
| O Mar 2017 | 176 | 17 | 159 | 2 | 6 | 30 | 6068.54 | 1460 | 89 |
| R Apr 2017 | 235 | 33 | 193 | 3 | 19 | 33 | 6078.18 | 1598 | 137 |
| I May 2017 | 261 | 45 | 195 | 4 | 25 | 228 | 6073.94 | 1536 | 315 |
| C Jun 2017 | 231 | 46 | 166 | 5 | 40 | 259 | 6063.90 | 1398 | 458 |
| A Jul 2017 | 49 | 11 | 48 | 4 | 43 | 38 | 6061.00 | 1361 | 93 |
| L Aug 2017 | 30 | 5 | 38 | 4 | 35 | 36 | 6058.07 | 1323 | 54 |
| * Sep 2017 | 9 | 2 | 33 | 3 | 23 | 42 | 6055.28 | 1289 | 47 |
| WY 2017 | 1157 | 160 | 990 | 28 | 198 | 785 | | | 1409 |
| Oct 2017 | 25 | 2 | 33 | 2 | 8 | 25 | 6055.10 | 1287 | 46 |
| Nov 2017 | 25 | 1 | 18 | 1 | 2 | 21 | 6054.62 | 1281 | 37 |
| Dec 2017 | 20 | 0 | 16 | 1 | 2 | 22 | 6053.91 | 1272 | 36 |
| Jan 2018 | 23 | 0 | 20 | 1 | 0 | 22 | 6053.72 | 1270 | 35 |
| Feb 2018 | 26 | 0 | 24 | 1 | 0 | 19 | 6054.00 | 1273 | 30 |
| Mar 2018 | 64 | 2 | 57 | 2 | 5 | 22 | 6056.37 | 1302 | 40 |
| Apr 2018 | 128 | 15 | 100 | 2 | 21 | 21 | 6060.81 | 1358 | 58 |
| May 2018 | 240 | 37 | 177 | 4 | 35 | 22 | 6069.55 | 1474 | 149 |
| Jun 2018 | 205 | 32 | 170 | 5 | 51 | 21 | 6076.11 | 1567 | 165 |
| Jul 2018 | 44 | 6 | 52 | 5 | 56 | 42 | 6072.57 | 1516 | 98 |
| Aug 2018 | 33 | 1 | 53 | 4 | 47 | 66 | 6067.96 | 1452 | 99 |
| Sep 2018 | 32 | 1 | 46 | 3 | 26 | 85 | 6062.87 | 1385 | 110 |
| WY 2018 | 865 | 99 | 764 | 29 | 254 | 386 | | | 901 |
| Oct 2018 | 39 | 2 | 40 | 2 | 10 | 31 | 6062.72 | 1383 | 55 |
| Nov 2018 | 31 | 1 | 23 | 1 | 0 | 30 | 6062.15 | 1375 | 47 |
| Dec 2018 | 25 | 0 | 20 | 1 | 0 | 31 | 6061.30 | 1364 | 46 |
| Jan 2019 | 22 | 0 | 18 | 1 | 0 | 31 | 6060.29 | 1351 | 44 |
| Feb 2019 | 30 | 0 | 27 | 1 | 0 | 28 | 6060.17 | 1350 | 40 |
| Mar 2019 | 92 | 2 | 83 | 2 | 5 | 22 | 6064.40 | 1405 | 44 |
| Apr 2019 | 170 | 14 | 134 | 3 | 21 | 21 | 6071.04 | 1495 | 73 |
| May 2019 | 277 | 37 | 230 | 4 | 36 | 247 | 6066.92 | 1438 | 393 |
| Jun 2019 | 224 | 32 | 191 | 4 | 52 | 272 | 6056.37 | 1302 | 423 |
| Jul 2019 | 66 | 6 | 72 | 4 | 57 | 43 | 6053.79 | 1271 | 110 |
| Aug 2019 | 45 | 1 | 62 | 3 | 48 | 36 | 6051.73 | 1246 | 74 |
| Sep 2019 | 43 | 1 | 54 | 3 | 26 | 31 | 6051.20 | 1240 | 64 |
| WY 2019 | 1064 | 96 | 957 | 27 | 254 | 821 | | | 1413 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|------------------------------|----------------------------------|-----------------------------|------------------------------------|--------------------------------|-------------------------------|-------------------------------------|------------------------------|-----------------------------|---------------------------------|
| * | Oct 2016 | 381 | 477 | 35 | 601 | 0 | 601 | 3609.48 | 5068 | 12678 | 610 |
| H | Nov 2016 | 383 | 389 | 33 | 624 | 126 | 750 | 3605.81 | 5039 | 12313 | 754 |
| I | Dec 2016 | 300 | 366 | 26 | 898 | 0 | 898 | 3600.49 | 4997 | 11797 | 913 |
| S | Jan 2017 | 359 | 415 | 8 | 880 | 0 | 880 | 3595.86 | 4962 | 11359 | 900 |
| T | Feb 2017 | 555 | 565 | 8 | 711 | 0 | 711 | 3594.33 | 4951 | 11217 | 720 |
| O | Mar 2017 | 1112 | 895 | 14 | 722 | 0 | 722 | 3595.91 | 4963 | 11364 | 730 |
| R | Apr 2017 | 1608 | 1494 | 23 | 623 | 0 | 623 | 3604.14 | 5026 | 12149 | 629 |
| I | May 2017 | 2377 | 2321 | 29 | 652 | 0 | 652 | 3619.09 | 5147 | 13667 | 658 |
| C | Jun 2017 | 3115 | 2680 | 51 | 749 | 0 | 749 | 3634.89 | 5286 | 15408 | 763 |
| A | Jul 2017 | 1073 | 889 | 64 | 850 | 0 | 850 | 3634.69 | 5284 | 15385 | 875 |
| L | Aug 2017 | 446 | 495 | 63 | 900 | 0 | 900 | 3630.88 | 5250 | 14952 | 931 |
| * | Sep 2017 | 196 | 410 | 57 | 663 | 0 | 663 | 3628.31 | 5227 | 14664 | 681 |
| WY 2017 | | 11905 | 11396 | 409 | 8874 | 126 | 9000 | | | | 9163 |
| | Oct 2017 | 510 | 553 | 39 | 667 | 0 | 667 | 3627.03 | 5215 | 14522 | 673 |
| | Nov 2017 | 490 | 582 | 37 | 630 | 0 | 630 | 3626.31 | 5209 | 14443 | 634 |
| | Dec 2017 | 380 | 587 | 30 | 740 | 0 | 740 | 3624.76 | 5196 | 14274 | 746 |
| | Jan 2018 | 360 | 514 | 9 | 860 | 0 | 860 | 3621.71 | 5169 | 13946 | 866 |
| | Feb 2018 | 390 | 488 | 10 | 750 | 0 | 750 | 3619.34 | 5149 | 13694 | 752 |
| | Mar 2018 | 590 | 591 | 16 | 780 | 0 | 780 | 3617.53 | 5134 | 13504 | 785 |
| | Apr 2018 | 860 | 774 | 26 | 683 | 0 | 683 | 3618.11 | 5139 | 13564 | 691 |
| | May 2018 | 1950 | 1704 | 32 | 700 | 0 | 700 | 3626.50 | 5211 | 14464 | 706 |
| | Jun 2018 | 2600 | 2157 | 52 | 760 | 0 | 760 | 3637.50 | 5310 | 15710 | 766 |
| | Jul 2018 | 840 | 747 | 65 | 860 | 0 | 860 | 3636.08 | 5297 | 15545 | 875 |
| | Aug 2018 | 400 | 527 | 63 | 900 | 0 | 900 | 3632.56 | 5265 | 15142 | 914 |
| | Sep 2018 | 350 | 501 | 58 | 670 | 0 | 670 | 3630.70 | 5248 | 14932 | 679 |
| WY 2018 | | 9720 | 9725 | 436 | 9000 | 0 | 9000 | | | | 9086 |
| | Oct 2018 | 464 | 517 | 40 | 640 | 0 | 640 | 3629.36 | 5236 | 14781 | 646 |
| | Nov 2018 | 450 | 518 | 38 | 640 | 0 | 640 | 3628.03 | 5224 | 14634 | 644 |
| | Dec 2018 | 363 | 515 | 30 | 720 | 0 | 720 | 3626.06 | 5207 | 14416 | 726 |
| | Jan 2019 | 361 | 488 | 9 | 860 | 0 | 860 | 3622.81 | 5179 | 14063 | 866 |
| | Feb 2019 | 393 | 446 | 10 | 750 | 0 | 750 | 3620.09 | 5155 | 13772 | 752 |
| | Mar 2019 | 665 | 598 | 16 | 800 | 0 | 800 | 3618.17 | 5139 | 13570 | 805 |
| | Apr 2019 | 1056 | 872 | 26 | 710 | 0 | 710 | 3619.37 | 5149 | 13696 | 718 |
| | May 2019 | 2343 | 2232 | 32 | 710 | 0 | 710 | 3631.98 | 5260 | 15075 | 716 |
| | Jun 2019 | 2666 | 2365 | 55 | 750 | 0 | 750 | 3644.33 | 5375 | 16520 | 756 |
| | Jul 2019 | 1091 | 989 | 68 | 850 | 0 | 850 | 3644.87 | 5381 | 16586 | 865 |
| | Aug 2019 | 500 | 582 | 67 | 900 | 0 | 900 | 3641.90 | 5352 | 16229 | 914 |
| | Sep 2019 | 408 | 521 | 61 | 670 | 0 | 670 | 3640.26 | 5336 | 16034 | 679 |
| WY 2019 | | 10760 | 10643 | 452 | 9000 | 0 | 9000 | | | | 9086 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



| Date | Glen Release (1000 Ac-Ft) | Side Inflow Glen to Hoover (1000 Ac-Ft) | Evap Losses (1000 Ac-Ft) | Total Release (1000 Ac-Ft) | Total Release (1000 CFS) | SNWP Use (1000 Ac-Ft) | Downstream Requirements (1000 Ac-Ft) | Bank Storage (1000 Ac-Ft) | Reservoir Elev End of Month (Ft) | EOM Storage (1000 Ac-Ft) |
|----------------|------------------------------|---|--------------------------------|----------------------------------|--------------------------------|-----------------------------|--|---------------------------------|--|--------------------------------|
| * Oct 2016 | 601 | 78 | 42 | 518 | 8.4 | 23 | 517 | 631 | 1076.34 | 9710 |
| H Nov 2016 | 750 | 77 | 42 | 751 | 12.6 | 16 | 750 | 632 | 1076.55 | 9727 |
| I Dec 2016 | 898 | 63 | 36 | 542 | 8.8 | 8 | 536 | 655 | 1080.82 | 10079 |
| S Jan 2017 | 880 | 128 | 30 | 500 | 8.1 | 7 | 494 | 684 | 1086.08 | 10521 |
| T Feb 2017 | 711 | 150 | 28 | 488 | 8.8 | 7 | 487 | 704 | 1089.78 | 10838 |
| O Mar 2017 | 722 | 97 | 32 | 911 | 14.8 | 16 | 910 | 696 | 1088.26 | 10707 |
| R Apr 2017 | 623 | 92 | 39 | 961 | 16.1 | 20 | 960 | 677 | 1084.89 | 10420 |
| I May 2017 | 652 | 39 | 44 | 917 | 14.9 | 29 | 915 | 659 | 1081.56 | 10141 |
| C Jun 2017 | 749 | 17 | 53 | 864 | 14.5 | 29 | 864 | 648 | 1079.52 | 9971 |
| A Jul 2017 | 850 | 89 | 66 | 885 | 14.4 | 31 | 885 | 646 | 1079.03 | 9931 |
| L Aug 2017 | 900 | 94 | 70 | 683 | 11.1 | 28 | 683 | 658 | 1081.44 | 10131 |
| * Sep 2017 | 663 | 70 | 58 | 600 | 10.1 | 21 | 596 | 662 | 1082.05 | 10182 |
| WY 2017 | 9000 | 994 | 541 | 8620 | | 234 | 8596 | | | |
| Oct 2017 | 667 | 71 | 43 | 616 | 10.0 | 27 | 616 | 665 | 1082.64 | 10231 |
| Nov 2017 | 630 | 65 | 43 | 718 | 12.1 | 18 | 718 | 660 | 1081.69 | 10152 |
| Dec 2017 | 740 | 51 | 37 | 507 | 8.2 | 15 | 507 | 674 | 1084.28 | 10369 |
| Jan 2018 | 860 | 64 | 30 | 618 | 10.1 | 12 | 618 | 690 | 1087.18 | 10615 |
| Feb 2018 | 750 | 72 | 28 | 683 | 12.3 | 14 | 683 | 696 | 1088.24 | 10706 |
| Mar 2018 | 780 | 46 | 31 | 1049 | 17.1 | 21 | 1049 | 679 | 1085.19 | 10446 |
| Apr 2018 | 683 | 39 | 39 | 1059 | 17.8 | 23 | 1059 | 655 | 1080.73 | 10071 |
| May 2018 | 700 | 26 | 44 | 964 | 15.7 | 27 | 964 | 636 | 1077.22 | 9782 |
| Jun 2018 | 760 | 10 | 52 | 878 | 14.8 | 33 | 878 | 624 | 1075.00 | 9601 |
| Jul 2018 | 860 | 77 | 65 | 834 | 13.6 | 36 | 834 | 624 | 1075.02 | 9603 |
| Aug 2018 | 900 | 127 | 69 | 735 | 11.9 | 34 | 735 | 636 | 1077.19 | 9780 |
| Sep 2018 | 670 | 110 | 57 | 745 | 12.5 | 27 | 745 | 633 | 1076.63 | 9734 |
| WY 2018 | 9000 | 757 | 538 | 9407 | | 288 | 9407 | | | |
| Oct 2018 | 640 | 71 | 42 | 497 | 8.1 | 28 | 497 | 641 | 1078.28 | 9869 |
| Nov 2018 | 640 | 65 | 42 | 659 | 11.1 | 21 | 659 | 640 | 1078.09 | 9853 |
| Dec 2018 | 720 | 51 | 36 | 581 | 9.5 | 14 | 581 | 649 | 1079.68 | 9984 |
| Jan 2019 | 860 | 64 | 30 | 719 | 11.7 | 10 | 719 | 659 | 1081.54 | 10139 |
| Feb 2019 | 750 | 72 | 28 | 612 | 11.0 | 12 | 612 | 669 | 1083.45 | 10299 |
| Mar 2019 | 800 | 46 | 31 | 1044 | 17.0 | 20 | 1044 | 654 | 1080.65 | 10065 |
| Apr 2019 | 710 | 39 | 38 | 1099 | 18.5 | 27 | 1099 | 629 | 1075.92 | 9676 |
| May 2019 | 710 | 26 | 43 | 975 | 15.9 | 32 | 975 | 610 | 1072.28 | 9381 |
| Jun 2019 | 750 | 10 | 51 | 875 | 14.7 | 33 | 875 | 598 | 1069.94 | 9194 |
| Jul 2019 | 850 | 77 | 64 | 836 | 13.6 | 36 | 836 | 597 | 1069.84 | 9187 |
| Aug 2019 | 900 | 127 | 68 | 780 | 12.7 | 34 | 780 | 606 | 1071.55 | 9323 |
| Sep 2019 | 670 | 110 | 56 | 703 | 11.8 | 31 | 703 | 605 | 1071.44 | 9315 |
| WY 2019 | 9000 | 757 | 527 | 9380 | | 296 | 9380 | | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|--------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|--|-----------------------------|
| * | Oct 2016 | 518 | -7 | 15 | 640 | 0 | 640 | 10.4 | 634.86 | 1482 |
| H | Nov 2016 | 751 | -29 | 11 | 574 | 0 | 574 | 9.6 | 640.09 | 1620 |
| I | Dec 2016 | 542 | -17 | 9 | 482 | 0 | 482 | 7.8 | 641.31 | 1653 |
| S | Jan 2017 | 500 | -23 | 10 | 408 | 0 | 408 | 6.6 | 643.47 | 1712 |
| T | Feb 2017 | 488 | -13 | 10 | 486 | 0 | 486 | 8.7 | 642.70 | 1690 |
| O | Mar 2017 | 911 | -27 | 13 | 844 | 0 | 844 | 13.7 | 643.70 | 1718 |
| R | Apr 2017 | 961 | -23 | 17 | 955 | 0 | 955 | 16.1 | 642.45 | 1684 |
| I | May 2017 | 917 | -13 | 22 | 846 | 0 | 846 | 13.8 | 643.74 | 1719 |
| C | Jun 2017 | 864 | -6 | 25 | 853 | 0 | 853 | 14.3 | 643.01 | 1699 |
| A | Jul 2017 | 885 | -5 | 26 | 809 | 0 | 809 | 13.2 | 644.65 | 1744 |
| L | Aug 2017 | 683 | -8 | 23 | 707 | 0 | 707 | 11.5 | 642.64 | 1689 |
| * | Sep 2017 | 600 | -11 | 18 | 656 | 0 | 656 | 11.0 | 639.47 | 1603 |
| WY 2017 | | 8620 | -183 | 199 | 8261 | 0 | 8261 | | | |
| | Oct 2017 | 616 | -4 | 15 | 662 | 0 | 662 | 10.8 | 637.00 | 1538 |
| | Nov 2017 | 718 | -11 | 11 | 617 | 0 | 617 | 10.4 | 640.01 | 1617 |
| | Dec 2017 | 507 | -10 | 9 | 523 | 0 | 523 | 8.5 | 638.71 | 1583 |
| | Jan 2018 | 618 | -19 | 10 | 507 | 0 | 507 | 8.2 | 641.80 | 1666 |
| | Feb 2018 | 683 | -16 | 10 | 613 | 45 | 657 | 11.8 | 641.80 | 1666 |
| | Mar 2018 | 1049 | -16 | 13 | 986 | 0 | 986 | 16.0 | 643.05 | 1700 |
| | Apr 2018 | 1059 | -20 | 17 | 1024 | 0 | 1024 | 17.2 | 643.00 | 1699 |
| | May 2018 | 964 | -13 | 22 | 929 | 0 | 929 | 15.1 | 643.00 | 1699 |
| | Jun 2018 | 878 | -18 | 25 | 862 | 0 | 862 | 14.5 | 642.00 | 1671 |
| | Jul 2018 | 834 | -16 | 25 | 806 | 0 | 806 | 13.1 | 641.50 | 1658 |
| | Aug 2018 | 735 | -12 | 23 | 700 | 0 | 700 | 11.4 | 641.50 | 1658 |
| | Sep 2018 | 745 | -11 | 18 | 756 | 0 | 756 | 12.7 | 640.01 | 1617 |
| WY 2018 | | 9407 | -166 | 197 | 8984 | 45 | 9028 | | | |
| | Oct 2018 | 497 | -4 | 15 | 661 | 0 | 661 | 10.8 | 633.00 | 1434 |
| | Nov 2018 | 659 | -11 | 10 | 586 | 0 | 586 | 9.8 | 635.00 | 1486 |
| | Dec 2018 | 581 | -10 | 9 | 465 | 0 | 465 | 7.6 | 638.71 | 1583 |
| | Jan 2019 | 719 | -19 | 10 | 607 | 0 | 607 | 9.9 | 641.80 | 1666 |
| | Feb 2019 | 612 | -16 | 10 | 587 | 0 | 587 | 10.6 | 641.80 | 1666 |
| | Mar 2019 | 1044 | -16 | 13 | 980 | 0 | 980 | 15.9 | 643.05 | 1700 |
| | Apr 2019 | 1099 | -20 | 17 | 1064 | 0 | 1064 | 17.9 | 643.00 | 1699 |
| | May 2019 | 975 | -13 | 22 | 940 | 0 | 940 | 15.3 | 643.00 | 1699 |
| | Jun 2019 | 875 | -18 | 25 | 859 | 0 | 859 | 14.4 | 642.00 | 1671 |
| | Jul 2019 | 836 | -16 | 25 | 809 | 0 | 809 | 13.2 | 641.50 | 1658 |
| | Aug 2019 | 780 | -12 | 23 | 745 | 0 | 745 | 12.1 | 641.50 | 1658 |
| | Sep 2019 | 703 | -11 | 18 | 713 | 0 | 713 | 12.0 | 640.01 | 1617 |
| WY 2019 | | 9380 | -166 | 197 | 9016 | 0 | 9016 | | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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) |
|----------------|----------|-------------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-------------------------------|--|-----------------------------|--------------------------------|------------------------------|
| * | Oct 2016 | 640 | 36 | 12 | 466 | 7.6 | 80 | 133 | 446.90 | 559 | 61 | 1.0 |
| H | Nov 2016 | 574 | 21 | 9 | 374 | 6.3 | 78 | 140 | 446.33 | 549 | 97 | 1.6 |
| I | Dec 2016 | 482 | 26 | 7 | 271 | 4.4 | 86 | 118 | 447.64 | 573 | 112 | 1.8 |
| S | Jan 2017 | 408 | 33 | 6 | 244 | 4.0 | 68 | 126 | 447.29 | 567 | 126 | 2.1 |
| T | Feb 2017 | 486 | 14 | 8 | 393 | 7.1 | 13 | 62 | 448.30 | 586 | 160 | 2.9 |
| O | Mar 2017 | 844 | 11 | 9 | 687 | 11.2 | 24 | 136 | 447.83 | 577 | 203 | 3.3 |
| R | Apr 2017 | 955 | 13 | 11 | 729 | 12.3 | 42 | 160 | 448.73 | 594 | 181 | 3.0 |
| I | May 2017 | 846 | 22 | 13 | 634 | 10.3 | 44 | 175 | 448.31 | 586 | 111 | 1.8 |
| C | Jun 2017 | 853 | 0 | 15 | 689 | 11.6 | 58 | 79 | 448.41 | 588 | 126 | 2.1 |
| A | Jul 2017 | 809 | 18 | 17 | 666 | 10.8 | 58 | 71 | 448.63 | 592 | 131 | 2.1 |
| L | Aug 2017 | 707 | 12 | 17 | 570 | 9.3 | 58 | 70 | 448.28 | 585 | 102 | 1.7 |
| * | Sep 2017 | 656 | 17 | 15 | 481 | 8.1 | 56 | 134 | 447.17 | 564 | 104 | 1.7 |
| WY 2017 | | 8261 | 223 | 140 | 6204 | | 665 | 1406 | | | 1513 | |
| | Oct 2017 | 662 | 28 | 12 | 471 | 7.7 | 70 | 132 | 447.00 | 561 | 69 | 1.1 |
| | Nov 2017 | 617 | 19 | 9 | 414 | 7.0 | 73 | 125 | 447.50 | 571 | 102 | 1.7 |
| | Dec 2017 | 523 | 19 | 7 | 337 | 5.5 | 88 | 124 | 446.50 | 552 | 109 | 1.8 |
| | Jan 2018 | 507 | 17 | 6 | 325 | 5.3 | 69 | 119 | 446.50 | 552 | 138 | 2.2 |
| | Feb 2018 | 657 | 10 | 8 | 497 | 8.9 | 37 | 119 | 446.50 | 552 | 160 | 2.9 |
| | Mar 2018 | 986 | 7 | 9 | 725 | 11.8 | 58 | 187 | 446.70 | 555 | 198 | 3.2 |
| | Apr 2018 | 1024 | 19 | 11 | 722 | 12.1 | 80 | 182 | 448.70 | 593 | 175 | 2.9 |
| | May 2018 | 929 | 15 | 13 | 649 | 10.6 | 82 | 187 | 448.70 | 593 | 104 | 1.7 |
| | Jun 2018 | 862 | 15 | 16 | 690 | 11.6 | 80 | 78 | 448.70 | 593 | 105 | 1.8 |
| | Jul 2018 | 806 | 26 | 17 | 656 | 10.7 | 82 | 78 | 448.00 | 580 | 111 | 1.8 |
| | Aug 2018 | 700 | 25 | 17 | 595 | 9.7 | 82 | 29 | 447.50 | 571 | 100 | 1.6 |
| | Sep 2018 | 756 | 20 | 15 | 521 | 8.8 | 80 | 151 | 447.50 | 570 | 89 | 1.5 |
| WY 2018 | | 9028 | 220 | 139 | 6601 | | 883 | 1512 | | | 1461 | |
| | Oct 2018 | 661 | 28 | 12 | 496 | 8.1 | 34 | 139 | 447.50 | 571 | 74 | 1.2 |
| | Nov 2018 | 586 | 19 | 9 | 417 | 7.0 | 34 | 139 | 447.50 | 571 | 116 | 1.9 |
| | Dec 2018 | 465 | 19 | 7 | 318 | 5.2 | 35 | 139 | 446.50 | 552 | 131 | 2.1 |
| | Jan 2019 | 607 | 17 | 6 | 361 | 5.9 | 95 | 157 | 446.50 | 552 | 138 | 2.2 |
| | Feb 2019 | 587 | 10 | 8 | 484 | 8.7 | 26 | 73 | 446.50 | 552 | 160 | 2.9 |
| | Mar 2019 | 980 | 7 | 9 | 719 | 11.7 | 95 | 152 | 446.70 | 555 | 198 | 3.2 |
| | Apr 2019 | 1064 | 19 | 11 | 747 | 12.6 | 93 | 183 | 448.70 | 593 | 175 | 2.9 |
| | May 2019 | 940 | 15 | 13 | 647 | 10.5 | 95 | 188 | 448.70 | 593 | 104 | 1.7 |
| | Jun 2019 | 859 | 15 | 16 | 680 | 11.4 | 93 | 73 | 448.70 | 593 | 105 | 1.8 |
| | Jul 2019 | 809 | 26 | 17 | 650 | 10.6 | 95 | 73 | 448.00 | 580 | 111 | 1.8 |
| | Aug 2019 | 745 | 25 | 17 | 584 | 9.5 | 95 | 73 | 447.50 | 571 | 100 | 1.6 |
| | Sep 2019 | 713 | 20 | 15 | 518 | 8.7 | 35 | 157 | 447.50 | 570 | 89 | 1.5 |
| WY 2019 | | 9016 | 220 | 139 | 6622 | | 824 | 1548 | | | 1500 | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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 |
|----------------|----------|-------------------------------|-----------------------------|--|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| * | Oct 2016 | 518 | 8.4 | 1076.34 | 9710 | 90 | 438.10 | 1335.0 | 195.2 | 87 | 377.1 |
| H | Nov 2016 | 751 | 12.6 | 1076.55 | 9727 | 17 | 427.42 | 1072.0 | 290.6 | 80 | 386.7 |
| I | Dec 2016 | 542 | 8.8 | 1080.82 | 10079 | 352 | 438.26 | 1103.0 | 207.3 | 71 | 382.3 |
| S | Jan 2017 | 500 | 8.1 | 1086.08 | 10521 | 442 | 442.12 | 857.0 | 192.4 | 55 | 384.9 |
| T | Feb 2017 | 488 | 8.8 | 1089.78 | 10838 | 317 | 446.75 | 938.0 | 190.4 | 58 | 390.4 |
| O | Mar 2017 | 911 | 14.8 | 1088.26 | 10707 | -131 | 440.44 | 1291.1 | 362.0 | 79 | 397.2 |
| R | Apr 2017 | 961 | 16.1 | 1084.89 | 10420 | -287 | 439.75 | 1227.0 | 381.0 | 76 | 396.5 |
| I | May 2017 | 917 | 14.9 | 1081.56 | 10141 | -280 | 434.83 | 1307.0 | 360.6 | 80 | 393.4 |
| C | Jun 2017 | 864 | 14.5 | 1079.52 | 9971 | -169 | 433.52 | 1500.0 | 335.0 | 94 | 387.5 |
| A | Jul 2017 | 885 | 14.4 | 1079.03 | 9931 | -40 | 432.24 | 1499.0 | 341.1 | 94 | 385.5 |
| L | Aug 2017 | 683 | 11.1 | 1081.44 | 10131 | 200 | 436.25 | 1478.1 | 261.0 | 93 | 382.0 |
| * | Sep 2017 | 600 | 10.1 | 1082.05 | 10182 | 51 | 440.10 | 976.1 | 230.7 | 66 | 384.8 |
| WY 2017 | | 8620 | | | | | | | 3347.1 | | |
| | Oct 2017 | 616 | 10.0 | 1082.64 | 10231 | 50 | 435.60 | 976.1 | 242.6 | 66 | 394.1 |
| | Nov 2017 | 718 | 12.1 | 1081.69 | 10152 | -80 | 435.00 | 1085.0 | 284.8 | 68 | 396.5 |
| | Dec 2017 | 507 | 8.2 | 1084.28 | 10369 | 217 | 437.04 | 826.9 | 202.9 | 52 | 400.0 |
| | Jan 2018 | 618 | 10.1 | 1087.18 | 10615 | 246 | 438.57 | 924.9 | 246.7 | 58 | 399.0 |
| | Feb 2018 | 683 | 12.3 | 1088.24 | 10706 | 91 | 437.63 | 1216.0 | 271.9 | 75 | 398.1 |
| | Mar 2018 | 1049 | 17.1 | 1085.19 | 10446 | -260 | 436.24 | 1203.1 | 419.3 | 75 | 399.5 |
| | Apr 2018 | 1059 | 17.8 | 1080.73 | 10071 | -375 | 431.54 | 1266.0 | 419.1 | 80 | 395.7 |
| | May 2018 | 964 | 15.7 | 1077.22 | 9782 | -289 | 426.07 | 1473.1 | 373.1 | 95 | 387.1 |
| | Jun 2018 | 878 | 14.8 | 1075.00 | 9601 | -181 | 422.99 | 1544.0 | 334.2 | 100 | 380.7 |
| | Jul 2018 | 834 | 13.6 | 1075.02 | 9603 | 2 | 422.39 | 1544.0 | 321.1 | 100 | 385.0 |
| | Aug 2018 | 735 | 11.9 | 1077.19 | 9780 | 177 | 423.64 | 1555.0 | 280.0 | 100 | 381.1 |
| | Sep 2018 | 745 | 12.5 | 1076.63 | 9734 | -46 | 424.92 | 1554.0 | 286.3 | 100 | 384.2 |
| WY 2018 | | 9407 | | | | | | | 3682.2 | | |
| | Oct 2018 | 497 | 8.1 | 1078.28 | 9869 | 135 | 429.66 | 1259.0 | 193.3 | 81 | 389.1 |
| | Nov 2018 | 659 | 11.1 | 1078.09 | 9853 | -16 | 432.67 | 1260.0 | 255.5 | 81 | 387.8 |
| | Dec 2018 | 581 | 9.5 | 1079.68 | 9984 | 131 | 432.21 | 1164.0 | 224.9 | 74 | 387.1 |
| | Jan 2019 | 719 | 11.7 | 1081.54 | 10139 | 155 | 433.54 | 901.1 | 285.5 | 57 | 397.3 |
| | Feb 2019 | 612 | 11.0 | 1083.45 | 10299 | 160 | 434.97 | 824.0 | 243.5 | 52 | 397.8 |
| | Mar 2019 | 1044 | 17.0 | 1080.65 | 10065 | -234 | 430.20 | 1392.7 | 406.7 | 88 | 389.6 |
| | Apr 2019 | 1099 | 18.5 | 1075.92 | 9676 | -389 | 426.18 | 1353.5 | 429.3 | 87 | 390.6 |
| | May 2019 | 975 | 15.9 | 1072.28 | 9381 | -294 | 420.67 | 1534.2 | 372.3 | 100 | 381.8 |
| | Jun 2019 | 875 | 14.7 | 1069.94 | 9194 | -187 | 418.04 | 1521.2 | 329.0 | 100 | 376.0 |
| | Jul 2019 | 836 | 13.6 | 1069.84 | 9187 | -8 | 417.32 | 1520.7 | 318.2 | 100 | 380.4 |
| | Aug 2019 | 780 | 12.7 | 1071.55 | 9323 | 137 | 418.28 | 1530.4 | 295.4 | 100 | 378.7 |
| | Sep 2019 | 703 | 11.8 | 1071.44 | 9315 | -9 | 419.56 | 1529.9 | 264.9 | 100 | 377.0 |
| WY 2019 | | 9380 | | | | | | | 3618.5 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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 |
|----------------|----------------------------|--------------------------|----------------------------------|--------------------------|--------------------------------|------------------------|-----------------------|-------------------------|----------------------------|--------|
| * Oct 2016 | 640 | 10.4 | 634.86 | 1482 | -144 | 135.70 | 201.5 | 79.3 | 79 | 123.8 |
| H Nov 2016 | 574 | 9.6 | 640.09 | 1620 | 138 | 140.91 | 170.9 | 71.1 | 67 | 123.8 |
| I Dec 2016 | 482 | 7.8 | 641.31 | 1653 | 33 | 138.48 | 168.3 | 61.4 | 66 | 127.3 |
| S Jan 2017 | 408 | 6.6 | 643.47 | 1712 | 59 | 143.95 | 164.5 | 54.6 | 65 | 133.8 |
| T Feb 2017 | 486 | 8.7 | 642.70 | 1690 | -21 | 141.54 | 162.1 | 63.8 | 64 | 131.4 |
| O Mar 2017 | 844 | 13.7 | 643.70 | 1718 | 28 | 141.08 | 194.1 | 109.6 | 76 | 129.9 |
| R Apr 2017 | 955 | 16.1 | 642.45 | 1684 | -34 | 138.31 | 204.0 | 131.0 | 80 | 137.2 |
| I May 2017 | 846 | 13.8 | 643.74 | 1719 | 35 | 142.74 | 232.0 | 108.4 | 91 | 128.1 |
| C Jun 2017 | 853 | 14.3 | 643.01 | 1699 | -20 | 141.59 | 255.0 | 107.4 | 100 | 126.0 |
| A Jul 2017 | 809 | 13.2 | 644.65 | 1744 | 45 | 143.65 | 255.0 | 101.5 | 100 | 125.5 |
| L Aug 2017 | 707 | 11.5 | 642.64 | 1689 | -55 | 143.10 | 255.0 | 89.9 | 100 | 127.1 |
| * Sep 2017 | 656 | 11.0 | 639.47 | 1603 | -86 | 138.07 | 253.3 | 83.2 | 99 | 126.8 |
| WY 2017 | 8261 | | | | | | | 1061.4 | | |
| Oct 2017 | 662 | 10.8 | 637.00 | 1538 | -65 | 133.30 | 179.3 | 81.0 | 70 | 122.4 |
| Nov 2017 | 617 | 10.4 | 640.01 | 1617 | 80 | 134.57 | 151.3 | 75.8 | 59 | 122.8 |
| Dec 2017 | 523 | 8.5 | 638.71 | 1583 | -34 | 136.19 | 131.6 | 64.9 | 52 | 124.3 |
| Jan 2018 | 507 | 8.2 | 641.80 | 1666 | 83 | 135.41 | 179.3 | 63.4 | 70 | 125.2 |
| Feb 2018 | 613 | 11.0 | 641.80 | 1666 | 0 | 139.21 | 111.1 | 76.9 | 44 | 125.5 |
| Mar 2018 | 986 | 16.0 | 643.05 | 1700 | 34 | 138.04 | 166.2 | 122.7 | 65 | 124.4 |
| Apr 2018 | 1024 | 17.2 | 643.00 | 1699 | -1 | 137.36 | 207.4 | 127.6 | 81 | 124.6 |
| May 2018 | 929 | 15.1 | 643.00 | 1699 | 0 | 137.43 | 204.0 | 116.4 | 80 | 125.2 |
| Jun 2018 | 862 | 14.5 | 642.00 | 1671 | -27 | 135.51 | 255.0 | 107.8 | 100 | 125.0 |
| Jul 2018 | 806 | 13.1 | 641.50 | 1658 | -14 | 134.73 | 255.0 | 100.6 | 100 | 124.8 |
| Aug 2018 | 700 | 11.4 | 641.50 | 1658 | 0 | 134.46 | 255.0 | 87.6 | 100 | 125.1 |
| Sep 2018 | 756 | 12.7 | 640.01 | 1617 | -40 | 133.68 | 255.0 | 93.8 | 100 | 124.0 |
| WY 2018 | 8984 | | | | | | | 1118.4 | | |
| Oct 2018 | 661 | 10.8 | 633.00 | 1434 | -183 | 130.74 | 202.3 | 79.9 | 79 | 120.9 |
| Nov 2018 | 586 | 9.8 | 635.00 | 1486 | 51 | 129.19 | 170.0 | 69.7 | 67 | 118.9 |
| Dec 2018 | 465 | 7.6 | 638.71 | 1583 | 97 | 132.25 | 167.8 | 56.9 | 66 | 122.4 |
| Jan 2019 | 607 | 9.9 | 641.80 | 1666 | 83 | 135.41 | 179.3 | 75.6 | 70 | 124.6 |
| Feb 2019 | 587 | 10.6 | 641.80 | 1666 | 0 | 139.42 | 111.1 | 73.7 | 44 | 125.7 |
| Mar 2019 | 980 | 15.9 | 643.05 | 1700 | 34 | 138.04 | 166.2 | 122.0 | 65 | 124.5 |
| Apr 2019 | 1064 | 17.9 | 643.00 | 1699 | -1 | 137.36 | 207.4 | 132.4 | 81 | 124.4 |
| May 2019 | 940 | 15.3 | 643.00 | 1699 | 0 | 137.43 | 204.0 | 117.7 | 80 | 125.2 |
| Jun 2019 | 859 | 14.4 | 642.00 | 1671 | -27 | 135.51 | 255.0 | 107.4 | 100 | 125.0 |
| Jul 2019 | 809 | 13.2 | 641.50 | 1658 | -14 | 134.73 | 255.0 | 100.9 | 100 | 124.7 |
| Aug 2019 | 745 | 12.1 | 641.50 | 1658 | 0 | 134.46 | 255.0 | 93.0 | 100 | 124.9 |
| Sep 2019 | 713 | 12.0 | 640.01 | 1617 | -40 | 133.68 | 255.0 | 88.6 | 100 | 124.2 |
| WY 2019 | 9016 | | | | | | | 1117.8 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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 |
|----------------|----------|-------------------------------|-----------------------------|--|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| * | Oct 2016 | 466 | 7.6 | 446.90 | 559 | -20 | 78.88 | 93.6 | 32.8 | 78 | 70.5 |
| H | Nov 2016 | 374 | 6.3 | 446.33 | 549 | -11 | 80.55 | 90.0 | 26.0 | 75 | 69.6 |
| I | Dec 2016 | 271 | 4.4 | 447.64 | 573 | 24 | 83.20 | 117.6 | 17.9 | 98 | 65.9 |
| S | Jan 2017 | 244 | 4.0 | 447.29 | 567 | -6 | 81.95 | 93.9 | 16.2 | 78 | 66.5 |
| T | Feb 2017 | 393 | 7.1 | 448.30 | 586 | 19 | 82.67 | 90.0 | 27.9 | 75 | 71.0 |
| O | Mar 2017 | 687 | 11.2 | 447.83 | 577 | -9 | 79.98 | 90.0 | 48.8 | 75 | 71.1 |
| R | Apr 2017 | 729 | 12.3 | 448.73 | 594 | 17 | 80.51 | 120.0 | 51.3 | 100 | 70.3 |
| I | May 2017 | 634 | 10.3 | 448.31 | 586 | -8 | 82.36 | 120.0 | 44.8 | 100 | 70.6 |
| C | Jun 2017 | 689 | 11.6 | 448.41 | 588 | 2 | 80.56 | 120.0 | 48.1 | 100 | 69.9 |
| A | Jul 2017 | 666 | 10.8 | 448.63 | 592 | 4 | 82.74 | 120.0 | 46.5 | 100 | 69.9 |
| L | Aug 2017 | 570 | 9.3 | 448.28 | 585 | -7 | 82.37 | 120.0 | 39.9 | 100 | 70.0 |
| * | Sep 2017 | 481 | 8.1 | 447.17 | 564 | -21 | 81.08 | 120.0 | 33.8 | 100 | 70.2 |
| WY 2017 | | 6204 | | | | | | | 434.1 | | |
| | Oct 2017 | 471 | 7.7 | 447.00 | 561 | -3 | 75.74 | 92.9 | 30.9 | 77 | 65.5 |
| | Nov 2017 | 414 | 7.0 | 447.50 | 571 | 9 | 76.05 | 90.0 | 27.1 | 75 | 65.5 |
| | Dec 2017 | 337 | 5.5 | 446.50 | 552 | -19 | 75.66 | 92.9 | 21.6 | 77 | 64.3 |
| | Jan 2018 | 325 | 5.3 | 446.50 | 552 | 0 | 74.04 | 117.1 | 20.4 | 98 | 62.9 |
| | Feb 2018 | 497 | 8.9 | 446.50 | 552 | 0 | 75.21 | 92.1 | 32.6 | 77 | 65.6 |
| | Mar 2018 | 725 | 11.8 | 446.70 | 555 | 4 | 74.69 | 104.5 | 47.6 | 87 | 65.6 |
| | Apr 2018 | 722 | 12.1 | 448.70 | 593 | 38 | 75.08 | 120.0 | 47.6 | 100 | 65.9 |
| | May 2018 | 649 | 10.6 | 448.70 | 593 | 0 | 76.05 | 120.0 | 43.1 | 100 | 66.3 |
| | Jun 2018 | 690 | 11.6 | 448.70 | 593 | 0 | 76.05 | 120.0 | 45.9 | 100 | 66.5 |
| | Jul 2018 | 656 | 10.7 | 448.00 | 580 | -13 | 75.71 | 120.0 | 43.3 | 100 | 66.1 |
| | Aug 2018 | 595 | 9.7 | 447.50 | 571 | -9 | 75.13 | 120.0 | 38.9 | 100 | 65.4 |
| | Sep 2018 | 521 | 8.8 | 447.50 | 570 | 0 | 74.89 | 120.0 | 33.9 | 100 | 65.0 |
| WY 2018 | | 6601 | | | | | | | 432.9 | | |
| | Oct 2018 | 496 | 8.1 | 447.50 | 571 | 0 | 76.19 | 91.9 | 32.8 | 77 | 66.0 |
| | Nov 2018 | 417 | 7.0 | 447.50 | 571 | 0 | 75.83 | 99.0 | 27.2 | 83 | 65.2 |
| | Dec 2018 | 318 | 5.2 | 446.50 | 552 | -19 | 74.40 | 120.0 | 20.0 | 100 | 63.1 |
| | Jan 2019 | 361 | 5.9 | 446.50 | 552 | 0 | 75.02 | 95.8 | 23.2 | 80 | 64.1 |
| | Feb 2019 | 484 | 8.7 | 446.50 | 552 | 0 | 75.21 | 92.1 | 31.7 | 77 | 65.5 |
| | Mar 2019 | 719 | 11.7 | 446.70 | 555 | 4 | 74.34 | 112.3 | 47.0 | 94 | 65.3 |
| | Apr 2019 | 747 | 12.6 | 448.70 | 593 | 38 | 75.08 | 120.0 | 49.2 | 100 | 65.9 |
| | May 2019 | 647 | 10.5 | 448.70 | 593 | 0 | 76.05 | 120.0 | 42.9 | 100 | 66.3 |
| | Jun 2019 | 680 | 11.4 | 448.70 | 593 | 0 | 76.05 | 120.0 | 45.2 | 100 | 66.5 |
| | Jul 2019 | 650 | 10.6 | 448.00 | 580 | -13 | 75.71 | 120.0 | 42.9 | 100 | 66.1 |
| | Aug 2019 | 584 | 9.5 | 447.50 | 571 | -9 | 75.13 | 120.0 | 38.2 | 100 | 65.4 |
| | Sep 2019 | 518 | 8.7 | 447.50 | 570 | 0 | 74.89 | 120.0 | 33.7 | 100 | 65.0 |
| WY 2019 | | 6622 | | | | | | | 434.0 | | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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 |
|--------------------|--------------------------|----------------------------|------------------------|---------------------------|--------------------------------|-----------------------------------|
| * Oct 2016 | 269 | 33 | 26 | 33 | 19 | 0 |
| H Nov 2016 | 277 | 30 | 9 | 11 | 6 | 0 |
| I Dec 2016 | 395 | 41 | 10 | 11 | 6 | 0 |
| S Jan 2017 | 385 | 43 | 10 | 11 | 5 | 0 |
| T Feb 2017 | 307 | 43 | 13 | 19 | 10 | 0 |
| O Mar 2017 | 312 | 97 | 19 | 22 | 0 | 0 |
| Winter 2017 | 1945 | 289 | 87 | 107 | 46 | 0 |
| R Apr 2017 | 270 | 102 | 15 | 22 | 6 | 0 |
| I May 2017 | 291 | 105 | 43 | 72 | 17 | 4 |
| C Jun 2017 | 346 | 102 | 40 | 66 | 8 | 6 |
| A Jul 2017 | 399 | 71 | 35 | 13 | 18 | 8 |
| L Aug 2017 | 421 | 56 | 34 | 0 | 22 | 9 |
| * Sep 2017 | 306 | 56 | 35 | 33 | 22 | 6 |
| Summer 2017 | 2033 | 492 | 202 | 207 | 93 | 33 |
| Oct 2017 | 279 | 39 | 23 | 28 | 14 | 7 |
| Nov 2017 | 264 | 52 | 22 | 26 | 13 | 7 |
| Dec 2017 | 309 | 63 | 35 | 42 | 21 | 7 |
| Jan 2018 | 357 | 63 | 22 | 28 | 15 | 6 |
| Feb 2018 | 310 | 57 | 11 | 14 | 7 | 6 |
| Mar 2018 | 321 | 56 | 11 | 15 | 8 | 7 |
| Winter 2018 | 1839 | 331 | 123 | 154 | 77 | 39 |
| Apr 2018 | 281 | 54 | 15 | 22 | 12 | 6 |
| May 2018 | 290 | 78 | 42 | 60 | 23 | 6 |
| Jun 2018 | 321 | 99 | 16 | 26 | 18 | 8 |
| Jul 2018 | 366 | 37 | 28 | 34 | 19 | 10 |
| Aug 2018 | 381 | 37 | 30 | 36 | 19 | 9 |
| Sep 2018 | 282 | 35 | 26 | 32 | 17 | 7 |
| Summer 2018 | 1921 | 340 | 157 | 210 | 108 | 46 |
| Oct 2018 | 269 | 37 | 18 | 23 | 12 | 7 |
| Nov 2018 | 268 | 35 | 18 | 22 | 11 | 6 |
| Dec 2018 | 301 | 36 | 32 | 39 | 20 | 6 |
| Jan 2019 | 358 | 36 | 24 | 31 | 16 | 6 |
| Feb 2019 | 310 | 33 | 9 | 13 | 7 | 5 |
| Mar 2019 | 330 | 36 | 10 | 14 | 8 | 5 |
| Winter 2019 | 1835 | 214 | 111 | 141 | 73 | 34 |
| Apr 2019 | 292 | 35 | 13 | 20 | 12 | 5 |
| May 2019 | 296 | 58 | 45 | 65 | 23 | 7 |
| Jun 2019 | 320 | 53 | 22 | 33 | 22 | 8 |
| Jul 2019 | 367 | 36 | 27 | 34 | 19 | 10 |
| Aug 2019 | 388 | 36 | 30 | 36 | 19 | 9 |
| Sep 2019 | 287 | 35 | 30 | 35 | 18 | 7 |
| Summer 2019 | 1663 | 219 | 137 | 187 | 94 | 39 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



October 2017 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 **** | | | | | | | | | | | |
| Oct 2017 | 339 | 97 | 407 | 9658 | 10501 | 17195 | 27696 | 339 | 97 | 407 | 843 | 9658 | 17195 | 27696 | 3040 | 616 | 0 | 32.8 | |
| Nov 2017 | 343 | 132 | 409 | 9800 | 10684 | 17146 | 27830 | 343 | 132 | 409 | 885 | 9800 | 17146 | 27830 | 3810 | 718 | 0 | 32.6 | |
| Dec 2017 | 403 | 168 | 415 | 9879 | 10864 | 17225 | 28090 | 403 | 168 | 415 | 986 | 9879 | 17225 | 28090 | 4580 | 507 | 0 | 32.4 | |
| Jan 2018 | 517 | 255 | 424 | 10048 | 11243 | 17008 | 28251 | 517 | 255 | 424 | 1196 | 10048 | 17008 | 28251 | 5350 | 618 | 0 | 32.2 | |
| **** EFFECTIVE SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | | |
| Jan 2018 | 517 | 255 | 424 | 10048 | 11243 | 17008 | 28251 | 107 | 207 | 424 | 738 | 10048 | 17008 | 27794 | 5350 | 618 | 0 | 32.3 | |
| Feb 2018 | 625 | 301 | 426 | 10376 | 11729 | 16762 | 28491 | 215 | 255 | 426 | 896 | 10376 | 16762 | 28034 | 1500 | 683 | 0 | 32.0 | |
| Mar 2018 | 717 | 312 | 423 | 10628 | 12080 | 16671 | 28751 | 307 | 267 | 423 | 997 | 10628 | 16671 | 28296 | 1500 | 1049 | 0 | 31.6 | |
| Apr 2018 | 754 | 312 | 394 | 10818 | 12279 | 16931 | 29209 | 340 | 269 | 393 | 1002 | 10818 | 16931 | 28752 | 1500 | 1059 | 0 | 31.4 | |
| May 2018 | 764 | 295 | 338 | 10758 | 12155 | 17306 | 29460 | 344 | 251 | 314 | 909 | 10758 | 17306 | 28973 | 1500 | 964 | 0 | 32.2 | |
| Jun 2018 | 718 | 261 | 222 | 9858 | 11059 | 17595 | 28654 | 289 | 206 | 159 | 654 | 9858 | 17595 | 28107 | 1500 | 878 | 0 | 33.6 | |
| Jul 2018 | 590 | 80 | 129 | 8612 | 9411 | 17776 | 27187 | 150 | 3 | 10 | 163 | 8612 | 17776 | 26552 | 1500 | 834 | 0 | 33.5 | |
| **** CREDITABLE SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | | |
| Aug 2018 | 460 | 73 | 180 | 8777 | 9489 | 17774 | 27263 | 460 | 73 | 180 | 712 | 8777 | 17774 | 27263 | 1500 | 735 | 0 | 33.2 | |
| Sep 2018 | 476 | 107 | 244 | 9180 | 10007 | 17597 | 27604 | 476 | 107 | 244 | 827 | 9180 | 17597 | 27604 | 2270 | 745 | 0 | 32.7 | |
| Oct 2018 | 522 | 136 | 311 | 9390 | 10360 | 17643 | 28003 | 522 | 136 | 311 | 970 | 9390 | 17643 | 28003 | 3040 | 497 | 0 | 32.4 | |
| Nov 2018 | 566 | 150 | 313 | 9541 | 10569 | 17508 | 28077 | 566 | 150 | 313 | 1029 | 9541 | 17508 | 28077 | 3810 | 659 | 0 | 32.3 | |
| Dec 2018 | 613 | 173 | 321 | 9688 | 10795 | 17524 | 28319 | 613 | 173 | 321 | 1107 | 9688 | 17524 | 28319 | 4580 | 581 | 0 | 32.1 | |
| Jan 2019 | 679 | 253 | 332 | 9906 | 11170 | 17393 | 28563 | 679 | 253 | 332 | 1264 | 9906 | 17393 | 28563 | 5350 | 719 | 0 | 31.8 | |
| **** EFFECTIVE SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | | |
| Jan 2019 | 679 | 253 | 332 | 9906 | 11170 | 17393 | 28563 | 375 | 252 | 95 | 722 | 9906 | 17393 | 28021 | 5350 | 719 | 0 | 31.8 | |
| Feb 2019 | 740 | 310 | 345 | 10259 | 11655 | 17238 | 28893 | 435 | 310 | 107 | 852 | 10259 | 17238 | 28349 | 1500 | 612 | 0 | 31.7 | |
| Mar 2019 | 788 | 318 | 346 | 10550 | 12002 | 17078 | 29081 | 480 | 318 | 108 | 906 | 10550 | 17078 | 28534 | 1500 | 1044 | 0 | 31.3 | |
| Apr 2019 | 790 | 316 | 291 | 10752 | 12149 | 17312 | 29461 | 478 | 316 | 46 | 839 | 10752 | 17312 | 28903 | 1500 | 1099 | 0 | 31.2 | |
| May 2019 | 759 | 287 | 201 | 10626 | 11873 | 17701 | 29574 | 441 | 287 | -68 | 660 | 10626 | 17701 | 28987 | 1500 | 975 | 0 | 32.4 | |
| Jun 2019 | 684 | 228 | 258 | 9247 | 10417 | 17996 | 28413 | 356 | 219 | -51 | 524 | 9247 | 17996 | 27766 | 1500 | 875 | 0 | 33.9 | |
| Jul 2019 | 457 | 61 | 394 | 7802 | 8713 | 18183 | 26895 | 112 | 30 | 29 | 171 | 7802 | 18183 | 26155 | 1500 | 836 | 0 | 34.0 | |
| **** CREDITABLE SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | | |
| Aug 2019 | 363 | 30 | 425 | 7736 | 8555 | 18190 | 26745 | 363 | 30 | 425 | 819 | 7736 | 18190 | 26745 | 1500 | 780 | 0 | 33.7 | |
| Sep 2019 | 388 | 54 | 450 | 8093 | 8986 | 18054 | 27040 | 388 | 54 | 450 | 892 | 8093 | 18054 | 27040 | 2270 | 703 | 0 | 33.4 | |

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