

May 24-Month Study
Date: May 14, 2019

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

Current Reservoir Status

| Reservoir | April Inflow (unregulated) (acre-feet) | Percent of Average (%) | May 13, Midnight Elevation (feet) | May 13, Midnight Reservoir Storage (acre-feet) |
|---------------|---|------------------------------|--|--|
| Fontenelle | 113,500 | 133 | 6,476.92 | 150,200 |
| Flaming Gorge | 239,900 | 180 | 6,027.45 | 3,324,000 |
| Blue Mesa | 121,300 | 157 | 7,440.52 | 399,100 |
| Navajo | 230,300 | 135 | 6,030.35 | 1,189,100 |
| Powell | 1,243,600 | 118 | 3,568.71 | 9,696,500 |

Expected Operations

The operation of Lake Powell and Lake Mead in this May 2019 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 draft 2019 Annual Operating Plan (AOP). Pursuant to the Interim Guidelines, the August 2018 24-Month Study projections of the January 1, 2019, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2019.

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell operational tier for water year 2019 will be governed by the Upper Elevation Balancing Tier. With an 8.23 million acre-foot (maf) release from Lake Powell in water year 2019, the April 2019 24-Month Study projects the end of water year elevation at Lake Powell to be above 3,575 feet above sea level (feet), and the end of water year elevation at Lake Mead to be below 1,075 feet. Therefore, in accordance with Section 6.B.4 of the Interim Guidelines, Lake Powell operations will shift to balancing releases for the remainder of water year 2019. Under Section 6.B.4, the contents of Lake Powell and Lake Mead will be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf shall be released from Lake Powell. Based on the most probable inflow forecast, this May 24-Month Study projects a balancing release of 9.0 maf in water year 2019; however, the actual release in water year 2019 will depend on hydrology in the remainder of the water

year and will range between 8.23 and 9.0 maf. The projected release from Lake Powell in water year 2019 will be updated each month throughout the remainder of the water year.

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 year 2019.

The Interim Guidelines are available for download at:

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

The draft 2019 AOP is available for download at:

https://www.usbr.gov/lc/region/g4000/AOP2019/AOP19_draft.pdf

Fontenelle Reservoir – As of May 13, 2019, Fontenelle Reservoir’s pool elevation is 6476.73 feet, which amounts to 43 percent of live storage capacity. Inflows for the month of April totaled 113,540 acre-feet (af), or 132 percent of average. Releases are currently set to full power plant generation or roughly 1,600 cubic feet per second (cfs).

The Colorado Basin River Forecast Center has forecasted inflows that are near average. May, June and July forecasted inflow volumes amount to 166,000 af (98 percent of average), 270,000 af (90 percent of average), and 190,000 af (106 percent of average), respectively.

The next Fontenelle Working Group meeting is scheduled for August 22, 2019. The meeting will be held at the Water Treatment Facility, 3 Telephone Canyon Road, Green River, WY 82935. 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 – As of May 10, 2019, Flaming Gorge Reservoir’s pool elevation is 6029.91 feet (88 percent of live capacity) and increasing. Inflow into Flaming Gorge Reservoir during the month of April was 197,774 af or 153 percent of average.

Average daily releases will likely remain at 1600 cfs through the end of May, or until the Larval Trigger Study Plan Razorback sucker spring peak releases are needed to supplement Yampa River peaks with a combined discharge of 18,600 cfs in Reach 2. The mean calendar date of the first capture of razorback sucker larvae (i.e., the "larval trigger") is May 28 (median May 27) and ranges from May 7 to June 24. Historically, 50% of first captures occurred between May 21 and June 2; 75 percent occurred between May 16 and June 4.

The April final forecast for unregulated inflows into Flaming Gorge for the next three months projects near average conditions: May, June July forecasted unregulated inflow volumes at 235,000 af (96 percent of average), 360,000 af (92 percent of average), and 215,000 af (102 percent of average), respectively.

Reclamation will be holding the Flaming Gorge Working Group meeting on August 15th at 10 a.m. in Price, Utah County Event Center (310 South Fairgrounds Road).

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.

Aspinall Unit Reservoirs – As of May 6, 2019 releases from Crystal Dam are approximately 1,630 cfs. Uncompahgre Valley Water Users Association is diverting approximately 680 cfs through the Gunnison Tunnel and flows in the Black Canyon are about 950 cfs. Inflows to Blue Mesa have increased and Blue Mesa Reservoir elevation has increased about 20 feet over the past month and is currently 7458.3 feet above sea level. Storage in Blue Mesa Reservoir is currently 360,870 acre-feet which is 43 percent of full capacity.

The April unregulated inflow to Blue Mesa Reservoir was 121,280 af (157 percent of average). Unregulated Inflows to Blue Mesa for the next three months (May, June and July) are projected to be: 310,000 af (140 percent of average), 385,000 af (148 percent of average) and 215,000 af (183 percent of average), respectively. The May 24-Month Study is reflective of these new forecasts.

Current projections indicate Blue Mesa storage will steadily increase as spring runoff begins. Snowpack conditions in the Gunnison River Basin reached a peak that was well above normal at 143 percent of median above the Aspinall Unit. Current projections indicate Blue Mesa will nearly fill by late summer if current inflow forecasts come to fruition. The peak elevation for this water year will occur in or around late July and is projected to be about 7515 feet. The projected end of water year 2019 elevation of Blue Mesa is 7507.5 feet which corresponds to a live storage content of about 724,000 af (87 percent of full capacity).

During May and into June, releases from Aspinall will be made to achieve a spring peak flow in the Gunnison River as described in the Aspinall Record of Decision. This year, the peak flow target is likely to be 14,350 cfs measured at the Gunnison River streamgage located near Grand Junction, Colorado. Reclamation will attempt to maintain this peak flow target for 10 days if possible. It is not known if this peak magnitude or this duration will be possible given current hydrologic conditions and forecasted weather patterns. Timing of the ramp up and peaking operations is unknown at this time and will coincide with the peak flows of the North Fork of the Gunnison River. Typically, the North Fork of the Gunnison River peaks in the mid to late May timeframe. It is expected that higher than normal flows will occur in the Gunnison River between mid-May and possibly as late as mid-June.

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 Tuesday, August 15, 2019 at 1:00 pm at the Elk Creek Visitor Center at Blue Mesa Reservoir.

Navajo Reservoir – As of May 6th, 2019, the daily average release rate from Navajo Dam is approximately 400 cfs while reservoir inflow is averaging approximately 3,370 cfs. The water surface elevation is 6043.59 feet above sea level and is steadily increasing. At this elevation the live storage is 1.15 maf (68 percent of live storage capacity) and the active storage is 0.490 maf (47 percent of active storage capacity). The river flow measured at the San Juan River at Four Corners USGS gage is 2,430 cfs. River flow at the Animas River at Farmington USGS gage is at 1,980 cfs.

Releases from Navajo Dam are made for authorized purposes of the Navajo Unit and are pursuant to the Record of Decision for the Navajo Reservoir Operations, Navajo Unit – San Juan River New Mexico, Colorado, Utah Final Environmental Impact Statement. Releases from Navajo Dam are managed 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 (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.

Preliminary modified-unregulated inflow into Navajo (inflow adjusted for upstream change in storage, reservoir evaporation and exportation from the basin) in April was 230 kaf (135 percent of average for the month). SNOTEL sites above Navajo are at 143 percent of median for this day with 25.6 inches of SWE on average per site. The SWE above Navajo peaked at 29.9 inches (148 percent of historical median peak) on April 5th.

Forecast modified-unregulated inflow to Navajo over the next three months (May, June, and July) are projected to be: 345,000 af (125 percent of average), 290,000 af (130 percent of average), and 65,000 af (99 percent of average), respectively.

The April through July runoff forecasts are as follows:

Min Probable: 810,000 af (110 percent of average)

Most Probable: 930,000 af (126 percent of average)

Max Probable: 1,060,000 af (144 percent of average)

Based on current storage and long-term projections, Navajo is nearly certain to fill to at least 6050 ft and has a 70 percent chance of filling to at least 6060 ft in the spring of 2019. Based on the current Most Probable projection there are no plans for a spring peak release, though a short-duration maintenance release is being planned. This planned release will include a 5-7 day ramp up to 5,000 cfs, five days at 5,000 cfs, and a 3-day ramp back down to base release. The release timing will target the peak date on the Animas River. Most likely ramp-up will begin near the end of May, but a notice will be sent out a week prior to the start of the release.

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 Unit Coordination Meeting will be held Tuesday, August 20th at 1pm at the Farmington Civic Center (200 West Arrington, Farmington, NM).

Glen Canyon Dam / Lake Powell

Current Status

The Department of the Interior is conducting the third experimental flow at Glen Canyon Dam since implementing its Long-Term Experimental and Management Plan (LTEMP). The goal is to provide enhanced habitat for the lifecycle of aquatic insects that are the primary food source for fish in the Colorado River.

Experiments under LTEMP consist of four different flow regimes: high flows, bug flows, trout management flows, and low summer flows. Collaborative discussions among technical experts resulted in a decision to begin this first experiment on May 1 and continue through August 31, 2019. It will slightly modify the schedule and flow rates of water releases from Lake Powell through Glen Canyon Dam, Arizona. The normally scheduled monthly and weekly release volumes will not be affected.

Flows during the experiment will include steady weekend water releases with routine hydropower production flows on weekdays that include normal hourly changes in release rates. Those steady weekend flows are expected to provide favorable conditions for aquatic insects to lay and cement their eggs to rocks, vegetation, and other materials near the river's edge. Steady weekend flows will be relatively low, within four inches of typical weekday low water levels. It is unlikely casual recreational river users will notice the changes in water levels.

Insects expected to benefit from this experiment are an important food source for many species of fish, birds, and bats in the canyon. Beyond expected resource benefits, this

experiment will also provide scientific information that will be used in future decision making.

The unregulated inflow in April was 1.24 thousand acre-feet (kaf) (118 percent of average). April precipitation in the Upper Colorado Basin was 105 percent of average. The release volume from Glen Canyon Dam in April was 720 kaf. The end of April elevation and storage of Lake Powell were 3,571.12 feet (128.88 feet from full pool) 9.20 maf (38 percent of full capacity).

Current Operations

The operating tier for water year 2019 was established in August 2018 as the Upper Elevation Balancing Tier. As described in the Interim Guidelines, under balancing, the contents of Lake Powell and Lake Mead are to be balanced by the end of the water year, but not more than 9.0 maf and not less than 8.23 maf is to be released from Lake Powell. Under this Tier the initial annual water year release volume is 8.23 maf, and the April 2019 24-Month Study projects the end of water year elevation at Lake Powell to be above 3,575 feet, and the end of water year elevation at Lake Mead to be below 1,075 feet. Lake Powell operations will shift to balancing releases for the remainder of water year 2019. Lake Powell is currently projected to release 9.0 maf in water year 2019; and this projection will be updated each month throughout the remainder of the water year.

In May, the release volume will be approximately 720 kaf, with fluctuations anticipated between about 10,095 cfs in the nighttime to about 15,077 cfs and consistent with the Glen Canyon Dam, Record of Decision on LTEMP (dated December, 2016). The anticipated release volume for June is 765 kaf with fluctuations anticipated between about 9,490 cfs in the nighttime to about 17,140 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 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 power system emergencies. Depending on the severity of the system emergency, the response from Glen Canyon Dam can be significant and 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 28 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 2019 unregulated inflow to Lake Powell, issued on May 1, 2019, by the Colorado Basin River Forecast Center, projects that the most probable (median) unregulated inflow volume this year will be 12.07 maf (111 percent of average). There is significant uncertainty regarding this season's snow pack development and resulting runoff into Lake Powell. Reclamation updates the minimum and maximum probable forecasts four times a year: January, April, August and October. The April forecast ranges from a minimum probable of 9.68 maf (89 percent of average) to a maximum probable of 15.26 maf (141 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 May 24-Month Study projects Lake Powell elevation will end water year 2019 near 3,610.33 feet with approximately 12.76 maf in storage (54 percent of capacity). Note that projections of elevation and storage for water year 2019 have significant uncertainty at this point in the season. Projections of end of water year 2019 elevation and storage using the minimum and maximum probable inflow forecast from April 2019 are 3,590.25 feet (10.84 maf, 46 percent of capacity) and 3,632.38 feet (15.12 maf, 65 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 2019 is projected to be 9.0 maf under the May most probable scenario, and 9.0 maf under the April maximum and minimum probable inflow scenarios.

Upper Colorado River Basin Hydrology

Upper Colorado River Basin regularly experiences significant year to year hydrologic variability. During the 19-year period 2000 to 2018, 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 19 years. The period 2000-2018 is the lowest 19-year period since the closure of Glen Canyon Dam in 1963, with an average unregulated inflow of 8.54 maf, or 79 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 2000-2018 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 2018 unregulated inflow volume to Lake Powell was 4.6 maf (43 percent of average), the third driest year on record above 2002 and 1977. Under the current most probable forecast, the total water year 2019 unregulated inflow to Lake Powell is projected to be 12.07 maf (111 percent of average).

At the beginning of water year 2019, total system storage in the Colorado River Basin was 28.01 maf (47 percent of 59.6 maf total system capacity). This is a decrease of 4.91 maf over the total storage at the beginning of water year 2018 when total system storage was 32.92 maf (55 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 the now current level of 47 percent of capacity at the beginning of water year

2019. Based on current inflow forecasts, the current projected end of water year total Colorado Basin reservoir storage for water year 2019 is approximately 30.74 maf (51 percent of total system capacity). The actual end of water year 2019 system storage may vary from this projection, primarily due to uncertainty regarding this season's runoff and reservoir inflow.

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
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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 | | | | apr | Forecast | | | Outlook | |
|---------------------|------|------|------|------|-------|----------|-------|-------|---------|------|
| : | jan | feb | mar | apr | %Avg | may | jun | jul | apr-jul | %Avg |
| GLDA3:Lake Powell | 212 | 255 | 624 | 1244 | 118%: | 3000/ | 3600/ | 1360/ | 9200/: | 128% |
| GBRW4:Fontenelle | 28 | 26 | 37 | 114 | 133%: | 166/ | 270/ | 190/ | 740/: | 102% |
| GRNU1:Flaming Gorge | 34 | 34 | 74 | 240 | 180%: | 235/ | 360/ | 215/ | 1050/: | 107% |
| BMDC2:Blue Mesa | 19.9 | 20.0 | 28 | 121 | 157%: | 310/ | 385/ | 154/ | 970/: | 144% |
| MPSC2:Morrow Point | 21 | 20 | 29 | 136 | 154%: | 345/ | 415/ | 164/ | 1060/: | 143% |
| CLSC2:Crystal | 25 | 24 | 34 | 150 | 149%: | 395/ | 460/ | 180/ | 1185/: | 142% |
| TPIC2:Taylor Park | 3.7 | 3.4 | 4.7 | 10.4 | 120%: | 35/ | 59/ | 25/ | 129/: | 130% |
| VCRC2:Vallecito | 3.7 | 3.8 | 5.6 | 35 | 150%: | 83/ | 103/ | 34/ | 255/: | 131% |
| NVRN5:Navajo | 13.2 | 17.6 | 114 | 230 | 135%: | 345/ | 290/ | 65/ | 930/: | 126% |
| LEMC2:Lemon | 0.49 | 0.50 | 0.77 | 5.8 | 103%: | 23/ | 29/ | 7/ | 65/: | 118% |

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|----------------|----------------------------------|-----------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|
| * May 2018 | 354 | 2 | 100 | 123 | 223 | 6494.84 | 260 |
| H Jun 2018 | 404 | 2 | 101 | 269 | 370 | 6499.18 | 292 |
| I Jul 2018 | 138 | 3 | 92 | 8 | 100 | 6503.79 | 327 |
| S Aug 2018 | 50 | 2 | 75 | 1 | 76 | 6500.10 | 299 |
| T Sep 2018 | 30 | 2 | 7 | 58 | 65 | 6495.11 | 262 |
| WY 2018 | 1397 | 15 | 856 | 528 | 1382 | | |
| O Oct 2018 | 42 | 1 | 45 | 20 | 65 | 6491.62 | 238 |
| R Nov 2018 | 38 | 1 | 60 | 0 | 60 | 6488.29 | 216 |
| I Dec 2018 | 30 | 1 | 61 | 1 | 61 | 6483.19 | 184 |
| C Jan 2019 | 28 | 1 | 61 | 0 | 61 | 6476.81 | 150 |
| A Feb 2019 | 26 | 0 | 55 | 1 | 56 | 6470.41 | 120 |
| L Mar 2019 | 37 | 0 | 61 | 0 | 61 | 6464.13 | 95 |
| * Apr 2019 | 114 | 1 | 71 | 0 | 71 | 6474.10 | 137 |
| May 2019 | 166 | 1 | 97 | 0 | 97 | 6486.38 | 205 |
| Jun 2019 | 270 | 2 | 104 | 69 | 173 | 6500.10 | 300 |
| Jul 2019 | 190 | 3 | 101 | 47 | 148 | 6505.17 | 339 |
| Aug 2019 | 75 | 2 | 100 | 3 | 103 | 6501.30 | 309 |
| Sep 2019 | 45 | 2 | 38 | 63 | 101 | 6493.36 | 251 |
| WY 2019 | 1061 | 15 | 855 | 203 | 1059 | | |
| Oct 2019 | 48 | 1 | 67 | 0 | 67 | 6490.32 | 230 |
| Nov 2019 | 42 | 1 | 60 | 0 | 60 | 6487.52 | 212 |
| Dec 2019 | 32 | 1 | 61 | 0 | 61 | 6482.67 | 182 |
| Jan 2020 | 30 | 1 | 61 | 0 | 61 | 6476.76 | 150 |
| Feb 2020 | 28 | 0 | 58 | 0 | 58 | 6470.17 | 120 |
| Mar 2020 | 53 | 0 | 64 | 0 | 64 | 6467.34 | 108 |
| Apr 2020 | 85 | 1 | 77 | 0 | 77 | 6469.18 | 116 |
| May 2020 | 164 | 1 | 82 | 0 | 82 | 6485.08 | 196 |
| Jun 2020 | 299 | 2 | 103 | 93 | 196 | 6499.74 | 297 |
| Jul 2020 | 178 | 3 | 101 | 34 | 136 | 6504.80 | 336 |
| Aug 2020 | 77 | 2 | 81 | 0 | 81 | 6503.93 | 329 |
| Sep 2020 | 46 | 2 | 20 | 75 | 95 | 6497.18 | 278 |
| WY 2020 | 1081 | 15 | 836 | 203 | 1039 | | |
| Oct 2020 | 49 | 1 | 98 | 0 | 98 | 6489.76 | 227 |
| Nov 2020 | 42 | 1 | 60 | 0 | 60 | 6487.08 | 209 |
| Dec 2020 | 32 | 1 | 61 | 0 | 61 | 6482.16 | 179 |
| Jan 2021 | 30 | 1 | 61 | 0 | 61 | 6476.17 | 147 |
| Feb 2021 | 28 | 0 | 56 | 0 | 56 | 6469.95 | 119 |
| Mar 2021 | 53 | 0 | 69 | 0 | 69 | 6465.90 | 102 |
| Apr 2021 | 85 | 1 | 77 | 0 | 77 | 6467.80 | 110 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|---|----------------|------------------------------|----------------------------|-----------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------|--|------------------------------|-----------------------------|
| * | May 2018 | 422 | 290 | 8 | 163 | 6 | 169 | 133 | 6028.57 | 3294 | 572 |
| H | Jun 2018 | 435 | 401 | 11 | 125 | 0 | 125 | 143 | 6035.09 | 3550 | 278 |
| I | Jul 2018 | 140 | 102 | 14 | 120 | 0 | 120 | 142 | 6034.33 | 3519 | 141 |
| S | Aug 2018 | 42 | 68 | 13 | 124 | 0 | 124 | 139 | 6032.67 | 3453 | 142 |
| T | Sep 2018 | 17 | 52 | 11 | 119 | 0 | 119 | 136 | 6030.75 | 3378 | 132 |
| | WY 2018 | 1594 | 1580 | 82 | 1608 | 7 | 1616 | | | | 2638 |
| O | Oct 2018 | 52 | 75 | 7 | 99 | 0 | 99 | 135 | 6029.99 | 3349 | 131 |
| R | Nov 2018 | 41 | 63 | 4 | 93 | 0 | 93 | 133 | 6029.15 | 3316 | 121 |
| I | Dec 2018 | 29 | 60 | 2 | 124 | 0 | 124 | 131 | 6027.49 | 3253 | 153 |
| C | Jan 2019 | 34 | 68 | 2 | 124 | 0 | 124 | 129 | 6026.01 | 3198 | 154 |
| A | Feb 2019 | 34 | 63 | 2 | 112 | 0 | 112 | 127 | 6024.69 | 3149 | 143 |
| L | Mar 2019 | 74 | 99 | 3 | 58 | 0 | 58 | 128 | 6025.67 | 3185 | 125 |
| * | Apr 2019 | 240 | 198 | 5 | 71 | 0 | 71 | 133 | 6028.79 | 3303 | 341 |
| | May 2019 | 235 | 166 | 8 | 98 | 0 | 98 | 135 | 6030.29 | 3360 | 724 |
| | Jun 2019 | 360 | 263 | 11 | 249 | 0 | 249 | 135 | 6030.37 | 3363 | 729 |
| | Jul 2019 | 215 | 173 | 14 | 116 | 0 | 116 | 137 | 6031.44 | 3405 | 196 |
| | Aug 2019 | 85 | 113 | 13 | 123 | 0 | 123 | 136 | 6030.88 | 3383 | 147 |
| | Sep 2019 | 55 | 111 | 11 | 119 | 0 | 119 | 135 | 6030.40 | 3364 | 136 |
| | WY 2019 | 1455 | 1452 | 82 | 1385 | 0 | 1385 | | | | 3102 |
| | Oct 2019 | 59 | 78 | 7 | 75 | 0 | 75 | 135 | 6030.31 | 3361 | 105 |
| | Nov 2019 | 51 | 69 | 4 | 71 | 0 | 71 | 135 | 6030.16 | 3355 | 102 |
| | Dec 2019 | 35 | 64 | 2 | 147 | 0 | 147 | 132 | 6028.04 | 3274 | 172 |
| | Jan 2020 | 40 | 72 | 2 | 154 | 0 | 154 | 129 | 6025.89 | 3193 | 179 |
| | Feb 2020 | 45 | 74 | 2 | 144 | 0 | 144 | 126 | 6024.03 | 3124 | 172 |
| | Mar 2020 | 102 | 114 | 3 | 77 | 0 | 77 | 127 | 6024.91 | 3157 | 154 |
| | Apr 2020 | 134 | 125 | 5 | 65 | 0 | 65 | 129 | 6026.34 | 3210 | 281 |
| | May 2020 | 245 | 163 | 8 | 77 | 0 | 77 | 132 | 6028.33 | 3285 | 609 |
| | Jun 2020 | 390 | 287 | 10 | 257 | 0 | 257 | 133 | 6028.82 | 3304 | 677 |
| | Jul 2020 | 210 | 168 | 14 | 123 | 0 | 123 | 134 | 6029.62 | 3334 | 223 |
| | Aug 2020 | 89 | 93 | 13 | 123 | 0 | 123 | 133 | 6028.56 | 3294 | 148 |
| | Sep 2020 | 55 | 104 | 11 | 117 | 0 | 117 | 132 | 6027.96 | 3271 | 136 |
| | WY 2020 | 1454 | 1412 | 80 | 1430 | 0 | 1430 | | | | 2957 |
| | Oct 2020 | 59 | 109 | 7 | 92 | 0 | 92 | 132 | 6028.19 | 3280 | 125 |
| | Nov 2020 | 51 | 69 | 3 | 91 | 0 | 91 | 131 | 6027.54 | 3255 | 122 |
| | Dec 2020 | 35 | 64 | 2 | 117 | 0 | 117 | 129 | 6026.15 | 3203 | 142 |
| | Jan 2021 | 40 | 72 | 2 | 117 | 0 | 117 | 127 | 6024.93 | 3158 | 142 |
| | Feb 2021 | 45 | 72 | 2 | 103 | 0 | 103 | 126 | 6024.08 | 3126 | 131 |
| | Mar 2021 | 102 | 118 | 3 | 74 | 0 | 74 | 127 | 6025.17 | 3166 | 151 |
| | Apr 2021 | 134 | 125 | 5 | 71 | 0 | 71 | 129 | 6026.44 | 3214 | 287 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|----------------|-------------------------------|----------------------------|----------------------------------|---------------------------|
| * May 2018 | 24 | 12 | 9318.33 | 84 |
| H Jun 2018 | 13 | 15 | 9317.29 | 82 |
| I Jul 2018 | 5 | 14 | 9311.71 | 73 |
| S Aug 2018 | 3 | 13 | 9305.51 | 63 |
| T Sep 2018 | 3 | 8 | 9301.71 | 58 |
| WY 2018 | 88 | 108 | | |
| O Oct 2018 | 5 | 3 | 9302.60 | 59 |
| R Nov 2018 | 3 | 3 | 9302.61 | 59 |
| I Dec 2018 | 4 | 3 | 9302.74 | 59 |
| C Jan 2019 | 4 | 3 | 9302.92 | 59 |
| A Feb 2019 | 3 | 3 | 9303.16 | 60 |
| L Mar 2019 | 5 | 4 | 9303.75 | 60 |
| * Apr 2019 | 10 | 7 | 9306.14 | 64 |
| May 2019 | 35 | 14 | 9318.79 | 85 |
| Jun 2019 | 59 | 34 | 9330.00 | 106 |
| Jul 2019 | 25 | 24 | 9330.00 | 106 |
| Aug 2019 | 12 | 19 | 9326.52 | 99 |
| Sep 2019 | 8 | 18 | 9321.35 | 89 |
| WY 2019 | 173 | 136 | | |
| Oct 2019 | 7 | 6 | 9321.77 | 90 |
| Nov 2019 | 5 | 5 | 9321.88 | 90 |
| Dec 2019 | 5 | 5 | 9321.60 | 90 |
| Jan 2020 | 4 | 5 | 9321.14 | 89 |
| Feb 2020 | 4 | 5 | 9320.65 | 88 |
| Mar 2020 | 4 | 5 | 9320.24 | 87 |
| Apr 2020 | 9 | 10 | 9319.55 | 86 |
| May 2020 | 28 | 14 | 9327.10 | 100 |
| Jun 2020 | 42 | 40 | 9327.97 | 102 |
| Jul 2020 | 20 | 24 | 9326.27 | 99 |
| Aug 2020 | 10 | 19 | 9321.70 | 90 |
| Sep 2020 | 7 | 18 | 9316.06 | 80 |
| WY 2020 | 146 | 156 | | |
| Oct 2020 | 7 | 12 | 9313.20 | 75 |
| Nov 2020 | 5 | 5 | 9313.24 | 75 |
| Dec 2020 | 5 | 5 | 9312.93 | 75 |
| Jan 2021 | 4 | 5 | 9312.41 | 74 |
| Feb 2021 | 4 | 5 | 9311.84 | 73 |
| Mar 2021 | 4 | 10 | 9308.35 | 67 |
| Apr 2021 | 9 | 12 | 9306.23 | 64 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|---|----------------|------------------------------|----------------------------------|-----------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|
| * | May 2018 | 112 | 100 | 1 | 85 | 0 | 85 | 7480.90 | 513 |
| H | Jun 2018 | 56 | 57 | 1 | 98 | 0 | 98 | 7475.06 | 471 |
| I | Jul 2018 | 21 | 31 | 1 | 101 | 0 | 101 | 7464.43 | 399 |
| S | Aug 2018 | 19 | 28 | 1 | 93 | 0 | 93 | 7453.77 | 334 |
| T | Sep 2018 | 12 | 17 | 1 | 30 | 39 | 68 | 7444.44 | 282 |
| | WY 2018 | 433 | 453 | 7 | 856 | 39 | 895 | | |
| O | Oct 2018 | 23 | 22 | 0 | 46 | 11 | 56 | 7437.59 | 248 |
| R | Nov 2018 | 22 | 21 | 0 | 19 | 0 | 19 | 7438.08 | 250 |
| I | Dec 2018 | 20 | 19 | 0 | 21 | 0 | 21 | 7437.82 | 249 |
| C | Jan 2019 | 20 | 20 | 0 | 17 | 0 | 17 | 7438.40 | 252 |
| A | Feb 2019 | 20 | 20 | 0 | 23 | 0 | 23 | 7437.59 | 248 |
| L | Mar 2019 | 28 | 27 | 0 | 25 | 0 | 25 | 7438.01 | 250 |
| * | Apr 2019 | 121 | 118 | 0 | 33 | 0 | 33 | 7453.91 | 335 |
| | May 2019 | 310 | 289 | 1 | 176 | 0 | 176 | 7471.70 | 447 |
| | Jun 2019 | 385 | 360 | 1 | 55 | 0 | 55 | 7510.62 | 751 |
| | Jul 2019 | 154 | 153 | 2 | 85 | 0 | 85 | 7518.06 | 817 |
| | Aug 2019 | 69 | 76 | 1 | 108 | 0 | 108 | 7514.38 | 784 |
| | Sep 2019 | 50 | 60 | 1 | 103 | 0 | 103 | 7509.34 | 740 |
| | WY 2019 | 1221 | 1185 | 8 | 709 | 11 | 720 | | |
| | Oct 2019 | 46 | 46 | 1 | 71 | 0 | 71 | 7506.26 | 714 |
| | Nov 2019 | 34 | 34 | 0 | 55 | 0 | 55 | 7503.74 | 692 |
| | Dec 2019 | 26 | 26 | 0 | 110 | 0 | 110 | 7493.44 | 608 |
| | Jan 2020 | 24 | 25 | 0 | 58 | 0 | 58 | 7489.22 | 575 |
| | Feb 2020 | 22 | 23 | 0 | 35 | 0 | 35 | 7487.73 | 564 |
| | Mar 2020 | 36 | 37 | 0 | 37 | 0 | 37 | 7487.68 | 563 |
| | Apr 2020 | 77 | 78 | 1 | 56 | 0 | 56 | 7490.45 | 585 |
| | May 2020 | 221 | 207 | 1 | 205 | 41 | 246 | 7485.23 | 545 |
| | Jun 2020 | 261 | 259 | 1 | 50 | 0 | 50 | 7510.84 | 753 |
| | Jul 2020 | 117 | 120 | 2 | 78 | 0 | 78 | 7515.48 | 794 |
| | Aug 2020 | 63 | 72 | 1 | 87 | 0 | 87 | 7513.70 | 778 |
| | Sep 2020 | 38 | 48 | 1 | 86 | 0 | 86 | 7509.21 | 739 |
| | WY 2020 | 967 | 976 | 9 | 928 | 41 | 968 | | |
| | Oct 2020 | 38 | 43 | 1 | 59 | 0 | 59 | 7507.32 | 723 |
| | Nov 2020 | 31 | 31 | 0 | 57 | 0 | 57 | 7504.22 | 696 |
| | Dec 2020 | 26 | 26 | 0 | 110 | 0 | 110 | 7493.95 | 612 |
| | Jan 2021 | 24 | 25 | 0 | 67 | 0 | 67 | 7488.60 | 571 |
| | Feb 2021 | 22 | 23 | 0 | 33 | 0 | 33 | 7487.33 | 561 |
| | Mar 2021 | 36 | 42 | 0 | 0 | 29 | 29 | 7488.91 | 573 |
| | Apr 2021 | 77 | 80 | 1 | 0 | 57 | 57 | 7491.87 | 596 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|---|----------------|------------------------------|-----------------------------------|-----------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|
| * | May 2018 | 121 | 85 | 8 | 94 | 94 | 0 | 94 | 7153.76 | 112 |
| H | Jun 2018 | 57 | 98 | 2 | 99 | 99 | 0 | 99 | 7154.16 | 112 |
| I | Jul 2018 | 22 | 101 | 1 | 102 | 101 | 0 | 101 | 7155.49 | 113 |
| S | Aug 2018 | 19 | 93 | 0 | 93 | 94 | 0 | 94 | 7153.96 | 112 |
| T | Sep 2018 | 14 | 68 | 2 | 70 | 84 | 0 | 84 | 7135.77 | 98 |
| | WY 2018 | 460 | 895 | 27 | 922 | 935 | 0 | 937 | | |
| O | Oct 2018 | 24 | 56 | 1 | 57 | 56 | 0 | 56 | 7136.92 | 99 |
| R | Nov 2018 | 23 | 19 | 1 | 20 | 13 | 0 | 15 | 7143.47 | 104 |
| I | Dec 2018 | 21 | 21 | 1 | 22 | 18 | 0 | 18 | 7147.95 | 107 |
| C | Jan 2019 | 21 | 17 | 1 | 17 | 18 | 0 | 18 | 7147.00 | 107 |
| A | Feb 2019 | 20 | 23 | 0 | 24 | 23 | 0 | 23 | 7147.57 | 107 |
| L | Mar 2019 | 29 | 25 | 1 | 26 | 26 | 0 | 26 | 7146.90 | 107 |
| * | Apr 2019 | 136 | 33 | 15 | 47 | 41 | 0 | 41 | 7155.16 | 113 |
| | May 2019 | 345 | 176 | 35 | 211 | 212 | 0 | 212 | 7153.73 | 112 |
| | Jun 2019 | 415 | 55 | 30 | 85 | 85 | 0 | 85 | 7153.73 | 112 |
| | Jul 2019 | 164 | 85 | 10 | 95 | 95 | 0 | 95 | 7153.73 | 112 |
| | Aug 2019 | 71 | 108 | 2 | 110 | 110 | 0 | 110 | 7153.73 | 112 |
| | Sep 2019 | 52 | 103 | 2 | 105 | 105 | 0 | 105 | 7153.73 | 112 |
| | WY 2019 | 1320 | 720 | 100 | 819 | 803 | 0 | 805 | | |
| | Oct 2019 | 48 | 71 | 2 | 73 | 73 | 0 | 73 | 7153.73 | 112 |
| | Nov 2019 | 36 | 55 | 2 | 57 | 57 | 0 | 57 | 7153.73 | 112 |
| | Dec 2019 | 28 | 110 | 2 | 112 | 112 | 0 | 112 | 7153.73 | 112 |
| | Jan 2020 | 27 | 58 | 2 | 60 | 60 | 0 | 60 | 7153.73 | 112 |
| | Feb 2020 | 25 | 35 | 3 | 37 | 37 | 0 | 37 | 7153.73 | 112 |
| | Mar 2020 | 40 | 37 | 4 | 41 | 41 | 0 | 41 | 7153.73 | 112 |
| | Apr 2020 | 88 | 56 | 11 | 67 | 67 | 0 | 67 | 7153.73 | 112 |
| | May 2020 | 247 | 246 | 26 | 272 | 272 | 0 | 272 | 7153.73 | 112 |
| | Jun 2020 | 281 | 50 | 20 | 70 | 70 | 0 | 70 | 7153.73 | 112 |
| | Jul 2020 | 123 | 78 | 6 | 84 | 84 | 0 | 84 | 7153.73 | 112 |
| | Aug 2020 | 67 | 87 | 3 | 90 | 90 | 0 | 90 | 7153.73 | 112 |
| | Sep 2020 | 41 | 86 | 3 | 89 | 89 | 0 | 89 | 7153.73 | 112 |
| | WY 2020 | 1051 | 968 | 84 | 1053 | 1053 | 0 | 1053 | | |
| | Oct 2020 | 41 | 59 | 3 | 61 | 61 | 0 | 61 | 7153.73 | 112 |
| | Nov 2020 | 33 | 57 | 2 | 59 | 59 | 0 | 59 | 7153.73 | 112 |
| | Dec 2020 | 28 | 110 | 2 | 112 | 112 | 0 | 112 | 7153.73 | 112 |
| | Jan 2021 | 27 | 67 | 2 | 69 | 69 | 0 | 69 | 7153.73 | 112 |
| | Feb 2021 | 25 | 33 | 3 | 35 | 35 | 0 | 35 | 7153.73 | 112 |
| | Mar 2021 | 40 | 29 | 4 | 33 | 33 | 0 | 33 | 7153.73 | 112 |
| | Apr 2021 | 88 | 57 | 11 | 68 | 68 | 0 | 68 | 7153.73 | 112 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|----------------|------------------------------|--------------------------------|-----------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|--|------------------------------|-----------------------------|-----------------------------------|
| * May 2018 | 129 | 94 | 9 | 102 | 102 | 0 | 102 | 6749.41 | 16 | 62 | 39 |
| H Jun 2018 | 61 | 99 | 3 | 102 | 102 | 0 | 102 | 6750.48 | 16 | 63 | 42 |
| I Jul 2018 | 24 | 101 | 2 | 103 | 103 | 0 | 103 | 6750.59 | 16 | 64 | 41 |
| S Aug 2018 | 21 | 94 | 2 | 96 | 98 | 0 | 98 | 6744.83 | 15 | 65 | 36 |
| T Sep 2018 | 15 | 84 | 1 | 85 | 87 | 0 | 87 | 6737.22 | 13 | 59 | 33 |
| WY 2018 | 505 | 937 | 45 | 982 | 959 | 26 | 985 | | | 438 | 553 |
| O Oct 2018 | 27 | 56 | 3 | 59 | 55 | 0 | 55 | 6751.87 | 17 | 33 | 24 |
| R Nov 2018 | 26 | 15 | 4 | 19 | 21 | 0 | 21 | 6743.11 | 14 | 1 | 19 |
| I Dec 2018 | 25 | 18 | 4 | 22 | 21 | 0 | 22 | 6745.32 | 15 | 0 | 20 |
| C Jan 2019 | 25 | 18 | 4 | 22 | 19 | 3 | 22 | 6746.57 | 15 | 1 | 20 |
| A Feb 2019 | 24 | 23 | 3 | 27 | 9 | 17 | 26 | 6748.26 | 16 | 1 | 25 |
| L Mar 2019 | 34 | 26 | 5 | 32 | 30 | 0 | 30 | 6752.77 | 17 | 0 | 29 |
| * Apr 2019 | 150 | 41 | 15 | 55 | 55 | 0 | 55 | 6753.29 | 17 | 26 | 29 |
| May 2019 | 395 | 212 | 50 | 262 | 134 | 128 | 262 | 6753.04 | 17 | 62 | 200 |
| Jun 2019 | 460 | 85 | 45 | 130 | 130 | 0 | 130 | 6753.04 | 17 | 61 | 69 |
| Jul 2019 | 180 | 95 | 16 | 111 | 111 | 0 | 111 | 6753.04 | 17 | 65 | 46 |
| Aug 2019 | 78 | 110 | 7 | 117 | 117 | 0 | 117 | 6753.04 | 17 | 65 | 52 |
| Sep 2019 | 60 | 105 | 8 | 113 | 113 | 0 | 113 | 6753.04 | 17 | 55 | 58 |
| WY 2019 | 1484 | 805 | 163 | 969 | 815 | 149 | 964 | | | 370 | 591 |
| Oct 2019 | 56 | 73 | 7 | 81 | 81 | 0 | 81 | 6753.04 | 17 | 30 | 51 |
| Nov 2019 | 42 | 57 | 5 | 62 | 62 | 0 | 62 | 6753.04 | 17 | 0 | 62 |
| Dec 2019 | 32 | 112 | 5 | 117 | 117 | 0 | 117 | 6753.04 | 17 | 0 | 117 |
| Jan 2020 | 31 | 60 | 5 | 65 | 65 | 0 | 65 | 6753.04 | 17 | 0 | 65 |
| Feb 2020 | 29 | 37 | 4 | 41 | 0 | 41 | 41 | 6753.04 | 17 | 0 | 41 |
| Mar 2020 | 46 | 41 | 6 | 47 | 47 | 0 | 47 | 6753.04 | 17 | 5 | 42 |
| Apr 2020 | 101 | 67 | 12 | 80 | 80 | 0 | 80 | 6753.04 | 17 | 42 | 38 |
| May 2020 | 281 | 272 | 34 | 306 | 134 | 172 | 306 | 6753.04 | 17 | 62 | 244 |
| Jun 2020 | 315 | 70 | 34 | 103 | 103 | 0 | 103 | 6753.04 | 17 | 61 | 42 |
| Jul 2020 | 138 | 84 | 14 | 98 | 98 | 0 | 98 | 6753.04 | 17 | 65 | 33 |
| Aug 2020 | 75 | 90 | 8 | 98 | 98 | 0 | 98 | 6753.04 | 17 | 65 | 33 |
| Sep 2020 | 47 | 89 | 6 | 95 | 95 | 0 | 95 | 6753.04 | 17 | 55 | 40 |
| WY 2020 | 1192 | 1053 | 141 | 1194 | 981 | 213 | 1194 | | | 385 | 809 |
| Oct 2020 | 47 | 61 | 6 | 67 | 67 | 0 | 67 | 6753.04 | 17 | 30 | 37 |
| Nov 2020 | 38 | 59 | 5 | 64 | 64 | 0 | 64 | 6753.04 | 17 | 0 | 64 |
| Dec 2020 | 32 | 112 | 5 | 117 | 117 | 0 | 117 | 6753.04 | 17 | 0 | 117 |
| Jan 2021 | 31 | 69 | 5 | 74 | 74 | 0 | 74 | 6753.04 | 17 | 0 | 74 |
| Feb 2021 | 29 | 35 | 4 | 39 | 39 | 0 | 39 | 6753.04 | 17 | 0 | 39 |
| Mar 2021 | 46 | 33 | 6 | 39 | 39 | 0 | 39 | 6753.04 | 17 | 5 | 34 |
| Apr 2021 | 101 | 68 | 12 | 80 | 80 | 0 | 80 | 6753.04 | 17 | 42 | 38 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|----------------|----------|----------------------------------|-------------------------------|--|------------------------------|
| * | May 2018 | 30 | 31 | 7648.91 | 84 |
| H | Jun 2018 | 14 | 35 | 7639.22 | 63 |
| I | Jul 2018 | 8 | 35 | 7624.15 | 35 |
| S | Aug 2018 | 5 | 19 | 7613.87 | 22 |
| T | Sep 2018 | 3 | 4 | 7613.06 | 21 |
| WY 2018 | | 102 | 153 | | |
| O | Oct 2018 | 9 | 3 | 7617.56 | 26 |
| R | Nov 2018 | 5 | 0 | 7621.25 | 31 |
| I | Dec 2018 | 3 | 0 | 7623.31 | 34 |
| C | Jan 2019 | 4 | 0 | 7625.50 | 37 |
| A | Feb 2019 | 4 | 0 | 7627.67 | 41 |
| L | Mar 2019 | 6 | 6 | 7627.39 | 40 |
| * | Apr 2019 | 32 | 25 | 7631.32 | 47 |
| | May 2019 | 83 | 44 | 7649.39 | 86 |
| | Jun 2019 | 103 | 64 | 7664.64 | 124 |
| | Jul 2019 | 34 | 43 | 7661.06 | 115 |
| | Aug 2019 | 20 | 38 | 7653.93 | 97 |
| | Sep 2019 | 17 | 30 | 7648.59 | 84 |
| WY 2019 | | 320 | 254 | | |
| | Oct 2019 | 15 | 17 | 7647.72 | 82 |
| | Nov 2019 | 9 | 3 | 7650.25 | 88 |
| | Dec 2019 | 6 | 2 | 7652.07 | 92 |
| | Jan 2020 | 5 | 2 | 7653.48 | 95 |
| | Feb 2020 | 5 | 2 | 7654.64 | 98 |
| | Mar 2020 | 9 | 2 | 7657.23 | 105 |
| | Apr 2020 | 23 | 4 | 7664.52 | 124 |
| | May 2020 | 71 | 71 | 7664.53 | 124 |
| | Jun 2020 | 70 | 70 | 7664.35 | 124 |
| | Jul 2020 | 29 | 41 | 7659.43 | 111 |
| | Aug 2020 | 20 | 38 | 7652.18 | 92 |
| | Sep 2020 | 17 | 29 | 7647.11 | 80 |
| WY 2020 | | 281 | 280 | | |
| | Oct 2020 | 16 | 16 | 7646.67 | 79 |
| | Nov 2020 | 9 | 2 | 7649.30 | 85 |
| | Dec 2020 | 6 | 2 | 7651.14 | 90 |
| | Jan 2021 | 5 | 2 | 7652.56 | 93 |
| | Feb 2021 | 5 | 2 | 7653.76 | 96 |
| | Mar 2021 | 9 | 2 | 7656.36 | 103 |
| | Apr 2021 | 23 | 2 | 7664.43 | 124 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|----------------|-------------------------------|--------------------------------|-------------------------|--------------------------|-----------------------------|----------------------------|----------------------------------|---------------------------|------------------------------|
| * May 2018 | 88 | 16 | 71 | 3 | 36 | 32 | 6049.80 | 1223 | 64 |
| H Jun 2018 | 6 | 3 | 24 | 4 | 42 | 42 | 6044.23 | 1159 | 50 |
| I Jul 2018 | -9 | 0 | 18 | 4 | 42 | 51 | 6036.94 | 1080 | 56 |
| S Aug 2018 | -7 | 0 | 7 | 3 | 42 | 51 | 6028.27 | 991 | 49 |
| T Sep 2018 | 2 | 0 | 3 | 2 | 27 | 46 | 6020.80 | 919 | 43 |
| WY 2018 | 268 | 36 | 283 | 24 | 224 | 405 | | | 533 |
| O Oct 2018 | 23 | 1 | 17 | 1 | 7 | 31 | 6018.35 | 897 | 39 |
| R Nov 2018 | 15 | 0 | 10 | 1 | 0 | 18 | 6017.43 | 888 | 34 |
| I Dec 2018 | 12 | 0 | 9 | 0 | 0 | 18 | 6016.39 | 879 | 31 |
| C Jan 2019 | 13 | 0 | 10 | 0 | 0 | 19 | 6015.33 | 869 | 32 |
| A Feb 2019 | 17 | 0 | 14 | 1 | 1 | 16 | 6014.90 | 865 | 36 |
| L Mar 2019 | 114 | 1 | 113 | 1 | 4 | 18 | 6024.61 | 955 | 57 |
| * Apr 2019 | 230 | 24 | 203 | 2 | 20 | 20 | 6040.36 | 1117 | 103 |
| May 2019 | 345 | 47 | 259 | 3 | 35 | 22 | 6057.40 | 1315 | 212 |
| Jun 2019 | 290 | 39 | 212 | 4 | 52 | 106 | 6061.27 | 1364 | 303 |
| Jul 2019 | 65 | 5 | 69 | 4 | 57 | 31 | 6059.52 | 1342 | 101 |
| Aug 2019 | 54 | 3 | 68 | 4 | 48 | 31 | 6058.43 | 1328 | 70 |
| Sep 2019 | 52 | 3 | 61 | 3 | 26 | 30 | 6058.61 | 1330 | 61 |
| WY 2019 | 1231 | 124 | 1045 | 25 | 250 | 360 | | | 1081 |
| Oct 2019 | 53 | 2 | 53 | 2 | 10 | 31 | 6059.49 | 1341 | 58 |
| Nov 2019 | 36 | 0 | 29 | 1 | 0 | 30 | 6059.39 | 1340 | 48 |
| Dec 2019 | 25 | 0 | 21 | 1 | 0 | 31 | 6058.53 | 1329 | 46 |
| Jan 2020 | 22 | 0 | 18 | 1 | 0 | 31 | 6057.49 | 1316 | 44 |
| Feb 2020 | 30 | 0 | 27 | 1 | 0 | 29 | 6057.27 | 1314 | 41 |
| Mar 2020 | 92 | 9 | 77 | 2 | 6 | 31 | 6060.37 | 1352 | 53 |
| Apr 2020 | 170 | 21 | 130 | 3 | 21 | 30 | 6066.21 | 1429 | 82 |
| May 2020 | 277 | 37 | 240 | 4 | 36 | 178 | 6067.85 | 1451 | 324 |
| Jun 2020 | 224 | 29 | 195 | 4 | 53 | 260 | 6058.50 | 1329 | 411 |
| Jul 2020 | 66 | 5 | 74 | 4 | 57 | 37 | 6056.57 | 1305 | 104 |
| Aug 2020 | 45 | 2 | 61 | 3 | 48 | 31 | 6054.85 | 1284 | 69 |
| Sep 2020 | 43 | 2 | 53 | 3 | 26 | 30 | 6054.44 | 1279 | 62 |
| WY 2020 | 1084 | 106 | 978 | 27 | 256 | 746 | | | 1343 |
| Oct 2020 | 47 | 2 | 46 | 2 | 9 | 31 | 6054.78 | 1283 | 59 |
| Nov 2020 | 34 | 0 | 27 | 1 | 0 | 30 | 6054.47 | 1279 | 48 |
| Dec 2020 | 25 | 0 | 21 | 1 | 0 | 31 | 6053.58 | 1268 | 46 |
| Jan 2021 | 22 | 0 | 18 | 1 | 0 | 31 | 6052.50 | 1255 | 44 |
| Feb 2021 | 30 | 0 | 27 | 1 | 0 | 28 | 6052.35 | 1253 | 40 |
| Mar 2021 | 92 | 9 | 77 | 2 | 6 | 31 | 6055.56 | 1292 | 53 |
| Apr 2021 | 170 | 21 | 128 | 2 | 22 | 30 | 6061.48 | 1367 | 82 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|---|----------------|------------------------------|----------------------------------|-----------------------------|------------------------------------|--------------------------------|-------------------------------|-------------------------------------|------------------------------|-----------------------------|---------------------------------|
| * | May 2018 | 1214 | 968 | 29 | 705 | 0 | 705 | 3611.54 | 5085 | 12886 | 730 |
| H | Jun 2018 | 883 | 635 | 45 | 760 | 0 | 760 | 3609.98 | 5072 | 12728 | 781 |
| I | Jul 2018 | 123 | 252 | 53 | 860 | 0 | 860 | 3603.80 | 5023 | 12116 | 877 |
| S | Aug 2018 | 11 | 260 | 50 | 900 | 0 | 900 | 3597.12 | 4972 | 11477 | 911 |
| T | Sep 2018 | 1 | 230 | 45 | 670 | 0 | 670 | 3592.28 | 4936 | 11028 | 690 |
| | WY 2018 | 4612 | 5459 | 386 | 9000 | 0 | 9000 | | | | 9158 |
| O | Oct 2018 | 351 | 477 | 30 | 625 | 0 | 625 | 3590.46 | 4923 | 10862 | 650 |
| R | Nov 2018 | 254 | 307 | 29 | 585 | 77 | 662 | 3586.50 | 4894 | 10507 | 669 |
| I | Dec 2018 | 228 | 322 | 22 | 740 | 0 | 740 | 3581.85 | 4862 | 10099 | 744 |
| C | Jan 2019 | 212 | 303 | 7 | 804 | 0 | 804 | 3576.34 | 4824 | 9629 | 815 |
| A | Feb 2019 | 255 | 339 | 7 | 730 | 0 | 730 | 3571.89 | 4795 | 9261 | 741 |
| L | Mar 2019 | 624 | 573 | 11 | 790 | 0 | 790 | 3569.28 | 4778 | 9049 | 797 |
| * | Apr 2019 | 1244 | 899 | 18 | 720 | 0 | 720 | 3571.12 | 4790 | 9198 | 724 |
| | May 2019 | 3000 | 2490 | 23 | 720 | 0 | 720 | 3589.94 | 4919 | 10815 | 731 |
| | Jun 2019 | 3600 | 3066 | 42 | 765 | 0 | 765 | 3611.75 | 5086 | 12907 | 776 |
| | Jul 2019 | 1360 | 1218 | 55 | 860 | 0 | 860 | 3614.50 | 5109 | 13188 | 879 |
| | Aug 2019 | 550 | 655 | 55 | 900 | 0 | 900 | 3611.78 | 5087 | 12910 | 917 |
| | Sep 2019 | 450 | 575 | 50 | 683 | 0 | 683 | 3610.33 | 5075 | 12764 | 697 |
| | WY 2019 | 12129 | 11225 | 350 | 8923 | 77 | 9000 | | | | 9141 |
| | Oct 2019 | 547 | 577 | 34 | 640 | 0 | 640 | 3609.43 | 5068 | 12673 | 650 |
| | Nov 2019 | 489 | 524 | 33 | 640 | 0 | 640 | 3608.06 | 5057 | 12536 | 641 |
| | Dec 2019 | 363 | 565 | 26 | 720 | 0 | 720 | 3606.36 | 5043 | 12368 | 726 |
| | Jan 2020 | 361 | 517 | 8 | 860 | 0 | 860 | 3603.04 | 5017 | 12043 | 871 |
| | Feb 2020 | 393 | 503 | 9 | 750 | 0 | 750 | 3600.59 | 4998 | 11806 | 759 |
| | Mar 2020 | 665 | 593 | 14 | 800 | 0 | 800 | 3598.44 | 4982 | 11602 | 814 |
| | Apr 2020 | 1056 | 868 | 23 | 710 | 0 | 710 | 3599.76 | 4992 | 11727 | 725 |
| | May 2020 | 2343 | 2173 | 28 | 710 | 0 | 710 | 3613.21 | 5098 | 13056 | 721 |
| | Jun 2020 | 2666 | 2440 | 48 | 750 | 0 | 750 | 3627.51 | 5220 | 14576 | 761 |
| | Jul 2020 | 1091 | 997 | 61 | 850 | 0 | 850 | 3628.23 | 5226 | 14655 | 869 |
| | Aug 2020 | 500 | 593 | 60 | 900 | 0 | 900 | 3625.14 | 5199 | 14315 | 917 |
| | Sep 2020 | 408 | 533 | 55 | 670 | 0 | 670 | 3623.50 | 5185 | 14137 | 684 |
| | WY 2020 | 10882 | 10883 | 400 | 9000 | 0 | 9000 | | | | 9138 |
| | Oct 2020 | 512 | 561 | 38 | 640 | 0 | 640 | 3622.50 | 5176 | 14029 | 650 |
| | Nov 2020 | 473 | 535 | 36 | 640 | 0 | 640 | 3621.28 | 5166 | 13899 | 641 |
| | Dec 2020 | 363 | 535 | 29 | 720 | 0 | 720 | 3619.41 | 5150 | 13701 | 726 |
| | Jan 2021 | 361 | 489 | 9 | 860 | 0 | 860 | 3616.05 | 5122 | 13349 | 871 |
| | Feb 2021 | 393 | 460 | 9 | 750 | 0 | 750 | 3613.36 | 5099 | 13072 | 759 |
| | Mar 2021 | 665 | 583 | 16 | 800 | 0 | 800 | 3611.24 | 5082 | 12856 | 814 |
| | Apr 2021 | 1056 | 875 | 25 | 710 | 0 | 710 | 3612.52 | 5093 | 12985 | 725 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 24-Month Study

Most Probable Inflow*

Hoover Dam - Lake Mead



| | Glen Release | Side Inflow | Evap | Total | Total | SNWP | Downstream | Bank | Reservoir Elev | EOM |
|----------------|---------------------|-----------------------|---------------------|---------------------|-------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|
| Date | (1000 Ac-Ft) | Glen to Hoover | Losses | Release | Release | Use | Requirements | Storage | End of Month | Storage |
| | | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 CFS) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (Ft) | (1000 Ac-Ft) |
| * May 2018 | 705 | 21 | 44 | 1055 | 17.1 | 27 | 1054 | 651 | 1080.00 | 10011 |
| H Jun 2018 | 760 | 27 | 53 | 986 | 16.6 | 28 | 985 | 634 | 1076.81 | 9748 |
| I Jul 2018 | 860 | 106 | 65 | 820 | 13.3 | 27 | 819 | 637 | 1077.43 | 9799 |
| S Aug 2018 | 900 | 74 | 70 | 749 | 12.2 | 28 | 748 | 645 | 1078.88 | 9918 |
| T Sep 2018 | 670 | 84 | 58 | 725 | 12.2 | 24 | 723 | 642 | 1078.29 | 9870 |
| WY 2018 | 9000 | 690 | 541 | 9240 | | 241 | 9237 | | | |
| O Oct 2018 | 625 | 100 | 42 | 641 | 10.4 | 23 | 634 | 643 | 1078.52 | 9889 |
| R Nov 2018 | 662 | 67 | 42 | 690 | 11.6 | 16 | 689 | 642 | 1078.32 | 9872 |
| I Dec 2018 | 740 | 52 | 36 | 468 | 7.6 | 11 | 467 | 659 | 1081.46 | 10132 |
| C Jan 2019 | 804 | 106 | 30 | 487 | 7.9 | 8 | 486 | 682 | 1085.75 | 10493 |
| A Feb 2019 | 730 | 126 | 28 | 621 | 11.2 | 6 | 620 | 694 | 1087.97 | 10682 |
| L Mar 2019 | 790 | 201 | 32 | 738 | 12.0 | 13 | 737 | 707 | 1090.24 | 10878 |
| * Apr 2019 | 720 | 117 | 39 | 902 | 15.2 | 14 | 901 | 700 | 1088.95 | 10767 |
| May 2019 | 720 | 30 | 45 | 981 | 16.0 | 36 | 981 | 681 | 1085.51 | 10473 |
| Jun 2019 | 765 | 17 | 54 | 925 | 15.5 | 36 | 925 | 666 | 1082.91 | 10254 |
| Jul 2019 | 860 | 80 | 67 | 840 | 13.7 | 39 | 840 | 666 | 1082.84 | 10248 |
| Aug 2019 | 900 | 100 | 71 | 820 | 13.3 | 36 | 820 | 671 | 1083.66 | 10316 |
| Sep 2019 | 683 | 91 | 59 | 746 | 12.5 | 29 | 746 | 667 | 1082.98 | 10260 |
| WY 2019 | 9000 | 1087 | 546 | 8858 | | 268 | 8844 | | | |
| Oct 2019 | 640 | 82 | 43 | 504 | 8.2 | 31 | 504 | 676 | 1084.58 | 10394 |
| Nov 2019 | 640 | 54 | 43 | 687 | 11.5 | 23 | 687 | 672 | 1083.92 | 10339 |
| Dec 2019 | 720 | 51 | 37 | 631 | 10.3 | 19 | 631 | 677 | 1084.87 | 10418 |
| Jan 2020 | 860 | 83 | 31 | 593 | 9.6 | 11 | 593 | 696 | 1088.27 | 10708 |
| Feb 2020 | 750 | 91 | 28 | 682 | 11.8 | 10 | 682 | 703 | 1089.59 | 10822 |
| Mar 2020 | 800 | 57 | 32 | 1007 | 16.4 | 20 | 1007 | 691 | 1087.38 | 10632 |
| Apr 2020 | 710 | 49 | 39 | 1081 | 18.2 | 24 | 1081 | 668 | 1083.11 | 10270 |
| May 2020 | 710 | 30 | 44 | 1021 | 16.6 | 33 | 1021 | 646 | 1079.07 | 9934 |
| Jun 2020 | 750 | 17 | 52 | 944 | 15.9 | 33 | 944 | 630 | 1076.05 | 9687 |
| Jul 2020 | 850 | 80 | 65 | 854 | 13.9 | 36 | 854 | 628 | 1075.76 | 9663 |
| Aug 2020 | 900 | 100 | 69 | 751 | 12.2 | 33 | 751 | 637 | 1077.45 | 9801 |
| Sep 2020 | 670 | 91 | 57 | 736 | 12.4 | 26 | 736 | 633 | 1076.78 | 9746 |
| WY 2020 | 9000 | 784 | 541 | 9490 | | 300 | 9490 | | | |
| Oct 2020 | 640 | 82 | 42 | 500 | 8.1 | 28 | 500 | 643 | 1078.52 | 9888 |
| Nov 2020 | 640 | 54 | 42 | 624 | 10.5 | 20 | 624 | 643 | 1078.62 | 9897 |
| Dec 2020 | 720 | 51 | 36 | 585 | 9.5 | 16 | 585 | 652 | 1080.15 | 10023 |
| Jan 2021 | 860 | 83 | 30 | 593 | 9.6 | 11 | 593 | 670 | 1083.62 | 10313 |
| Feb 2021 | 750 | 91 | 28 | 678 | 12.2 | 10 | 678 | 678 | 1085.01 | 10431 |
| Mar 2021 | 800 | 57 | 31 | 1007 | 16.4 | 20 | 1007 | 666 | 1082.77 | 10242 |
| Apr 2021 | 710 | 49 | 38 | 1081 | 18.2 | 24 | 1081 | 642 | 1078.42 | 9881 |

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|---|----------------|--------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|--|--------------------------------|
| * | May 2018 | 1055 | -11 | 22 | 1001 | 0 | 1001 | 16.3 | 643.17 | 1703 |
| H | Jun 2018 | 986 | -21 | 26 | 909 | 0 | 909 | 15.3 | 644.29 | 1734 |
| I | Jul 2018 | 820 | -6 | 26 | 827 | 0 | 827 | 13.4 | 642.91 | 1696 |
| S | Aug 2018 | 749 | -13 | 23 | 730 | 0 | 730 | 11.9 | 642.29 | 1679 |
| T | Sep 2018 | 725 | -11 | 18 | 814 | 0 | 814 | 13.7 | 637.87 | 1561 |
| | WY 2018 | 9240 | -103 | 198 | 8981 | 0 | 8981 | | | |
| O | Oct 2018 | 641 | -11 | 15 | 635 | 0 | 635 | 10.3 | 637.08 | 1540 |
| R | Nov 2018 | 690 | -28 | 11 | 610 | 0 | 610 | 10.3 | 638.62 | 1581 |
| I | Dec 2018 | 468 | -14 | 9 | 386 | 0 | 386 | 6.3 | 640.79 | 1639 |
| C | Jan 2019 | 487 | -29 | 10 | 418 | 0 | 418 | 6.8 | 641.89 | 1668 |
| A | Feb 2019 | 621 | -6 | 10 | 569 | 0 | 569 | 10.2 | 643.20 | 1704 |
| L | Mar 2019 | 738 | 7 | 13 | 749 | 0 | 749 | 12.2 | 642.57 | 1687 |
| * | Apr 2019 | 902 | 0 | 17 | 886 | 0 | 886 | 14.9 | 642.52 | 1686 |
| | May 2019 | 981 | -11 | 22 | 934 | 0 | 934 | 15.2 | 643.00 | 1699 |
| | Jun 2019 | 925 | -16 | 25 | 883 | 0 | 883 | 14.8 | 643.00 | 1699 |
| | Jul 2019 | 840 | -12 | 25 | 830 | 0 | 830 | 13.5 | 642.00 | 1671 |
| | Aug 2019 | 820 | -11 | 23 | 786 | 0 | 786 | 12.8 | 642.00 | 1671 |
| | Sep 2019 | 746 | -12 | 18 | 769 | 0 | 769 | 12.9 | 640.01 | 1618 |
| | WY 2019 | 8858 | -145 | 198 | 8457 | 0 | 8457 | | | |
| | Oct 2019 | 504 | -4 | 15 | 669 | 0 | 669 | 10.9 | 633.00 | 1434 |
| | Nov 2019 | 687 | -19 | 10 | 607 | 0 | 607 | 10.2 | 635.00 | 1486 |
| | Dec 2019 | 631 | -12 | 9 | 512 | 0 | 512 | 8.3 | 638.71 | 1583 |
| | Jan 2020 | 593 | -16 | 10 | 483 | 0 | 483 | 7.9 | 641.80 | 1666 |
| | Feb 2020 | 682 | -13 | 10 | 658 | 0 | 658 | 11.4 | 641.80 | 1666 |
| | Mar 2020 | 1007 | -15 | 13 | 944 | 0 | 944 | 15.4 | 643.05 | 1700 |
| | Apr 2020 | 1081 | -17 | 17 | 1049 | 0 | 1049 | 17.6 | 643.00 | 1699 |
| | May 2020 | 1021 | -11 | 22 | 987 | 0 | 987 | 16.1 | 643.00 | 1699 |
| | Jun 2020 | 944 | -16 | 25 | 903 | 0 | 903 | 15.2 | 643.00 | 1699 |
| | Jul 2020 | 854 | -12 | 25 | 844 | 0 | 844 | 13.7 | 642.00 | 1671 |
| | Aug 2020 | 751 | -11 | 23 | 717 | 0 | 717 | 11.7 | 642.00 | 1671 |
| | Sep 2020 | 736 | -12 | 18 | 759 | 0 | 759 | 12.8 | 640.01 | 1618 |
| | WY 2020 | 9490 | -159 | 197 | 9133 | 0 | 9133 | | | |
| | Oct 2020 | 500 | -4 | 15 | 665 | 0 | 665 | 10.8 | 633.00 | 1434 |
| | Nov 2020 | 624 | -19 | 10 | 543 | 0 | 543 | 9.1 | 635.00 | 1486 |
| | Dec 2020 | 585 | -12 | 9 | 466 | 0 | 466 | 7.6 | 638.71 | 1583 |
| | Jan 2021 | 593 | -16 | 10 | 484 | 0 | 484 | 7.9 | 641.80 | 1666 |
| | Feb 2021 | 678 | -13 | 10 | 654 | 0 | 654 | 11.8 | 641.80 | 1666 |
| | Mar 2021 | 1007 | -15 | 13 | 944 | 0 | 944 | 15.4 | 643.05 | 1700 |
| | Apr 2021 | 1081 | -17 | 17 | 1050 | 0 | 1050 | 17.6 | 643.00 | 1699 |

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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) |
|----------------|----------|-------------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-------------------------------|--|-----------------------------|--------------------------------|------------------------------|
| * | May 2018 | 1001 | 10 | 13 | 697 | 11.3 | 87 | 178 | 448.51 | 590 | 124 | 2.0 |
| H | Jun 2018 | 909 | 6 | 15 | 712 | 12.0 | 91 | 88 | 448.43 | 588 | 131 | 2.2 |
| I | Jul 2018 | 827 | 20 | 17 | 656 | 10.7 | 101 | 72 | 448.00 | 580 | 133 | 2.2 |
| S | Aug 2018 | 730 | 22 | 17 | 611 | 9.9 | 99 | 22 | 447.53 | 571 | 104 | 1.7 |
| T | Sep 2018 | 814 | 9 | 15 | 512 | 8.6 | 95 | 164 | 448.95 | 598 | 94 | 1.6 |
| WY 2018 | | 8981 | 100 | 139 | 6479 | | 910 | 1431 | | | 1500 | |
| O | Oct 2018 | 635 | 23 | 12 | 394 | 6.4 | 86 | 176 | 448.12 | 582 | 68 | 1.1 |
| R | Nov 2018 | 610 | 16 | 9 | 357 | 6.0 | 85 | 173 | 447.99 | 580 | 97 | 1.6 |
| I | Dec 2018 | 386 | 26 | 7 | 218 | 3.5 | 70 | 143 | 446.53 | 552 | 105 | 1.7 |
| C | Jan 2019 | 418 | 19 | 6 | 250 | 4.1 | 87 | 91 | 446.58 | 553 | 122 | 2.0 |
| A | Feb 2019 | 569 | 13 | 8 | 372 | 6.7 | 31 | 151 | 447.53 | 571 | 143 | 2.6 |
| L | Mar 2019 | 749 | -5 | 9 | 630 | 10.2 | 11 | 83 | 447.86 | 577 | 185 | 3.0 |
| * | Apr 2019 | 886 | 6 | 11 | 712 | 12.0 | 28 | 144 | 447.29 | 567 | 170 | 2.9 |
| | May 2019 | 934 | 13 | 13 | 701 | 11.4 | 43 | 155 | 448.50 | 589 | 135 | 2.2 |
| | Jun 2019 | 883 | 11 | 15 | 731 | 12.3 | 62 | 73 | 448.50 | 589 | 140 | 2.3 |
| | Jul 2019 | 830 | 19 | 17 | 683 | 11.1 | 71 | 75 | 448.00 | 580 | 138 | 2.2 |
| | Aug 2019 | 786 | 20 | 17 | 612 | 9.9 | 67 | 108 | 447.50 | 571 | 110 | 1.8 |
| | Sep 2019 | 769 | 14 | 15 | 515 | 8.6 | 64 | 180 | 447.50 | 570 | 100 | 1.7 |
| WY 2019 | | 8457 | 175 | 140 | 6173 | | 703 | 1551 | | | 1512 | |
| | Oct 2019 | 669 | 24 | 12 | 468 | 7.6 | 20 | 186 | 447.50 | 571 | 63 | 1.0 |
| | Nov 2019 | 607 | 14 | 9 | 383 | 6.4 | 44 | 179 | 447.50 | 571 | 97 | 1.6 |
| | Dec 2019 | 512 | 22 | 7 | 311 | 5.1 | 45 | 185 | 446.50 | 552 | 104 | 1.7 |
| | Jan 2020 | 483 | 18 | 6 | 265 | 4.3 | 105 | 121 | 446.50 | 552 | 125 | 2.0 |
| | Feb 2020 | 658 | 11 | 8 | 435 | 7.6 | 99 | 121 | 446.50 | 552 | 152 | 2.6 |
| | Mar 2020 | 944 | 5 | 9 | 711 | 11.6 | 28 | 189 | 446.70 | 555 | 192 | 3.1 |
| | Apr 2020 | 1049 | 12 | 11 | 733 | 12.3 | 85 | 184 | 448.70 | 593 | 178 | 3.0 |
| | May 2020 | 987 | 13 | 13 | 698 | 11.4 | 87 | 189 | 448.70 | 593 | 119 | 1.9 |
| | Jun 2020 | 903 | 11 | 16 | 721 | 12.1 | 85 | 79 | 448.70 | 593 | 127 | 2.1 |
| | Jul 2020 | 844 | 19 | 17 | 681 | 11.1 | 87 | 79 | 448.00 | 580 | 135 | 2.2 |
| | Aug 2020 | 717 | 20 | 17 | 601 | 9.8 | 87 | 29 | 447.50 | 571 | 104 | 1.7 |
| | Sep 2020 | 759 | 14 | 15 | 511 | 8.6 | 85 | 152 | 447.50 | 570 | 96 | 1.6 |
| WY 2020 | | 9133 | 182 | 139 | 6518 | | 858 | 1693 | | | 1491 | |
| | Oct 2020 | 665 | 24 | 12 | 488 | 7.9 | 41 | 141 | 447.50 | 571 | 65 | 1.1 |
| | Nov 2020 | 543 | 14 | 9 | 362 | 6.1 | 40 | 141 | 447.50 | 571 | 99 | 1.7 |
| | Dec 2020 | 466 | 22 | 7 | 314 | 5.1 | 41 | 141 | 446.50 | 552 | 109 | 1.8 |
| | Jan 2021 | 484 | 18 | 6 | 265 | 4.3 | 106 | 121 | 446.50 | 552 | 125 | 2.0 |
| | Feb 2021 | 654 | 11 | 8 | 435 | 7.8 | 96 | 121 | 446.50 | 552 | 152 | 2.7 |
| | Mar 2021 | 944 | 5 | 9 | 710 | 11.5 | 29 | 189 | 446.70 | 555 | 192 | 3.1 |
| | Apr 2021 | 1050 | 12 | 11 | 732 | 12.3 | 86 | 184 | 448.70 | 593 | 178 | 3.0 |

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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 |
|----------------|----------------------------|--------------------------|----------------------------------|--------------------------|--------------------------------|-------------------------|------------------------|--------------------------|----------------------------|--------|
| * May 2018 | 1055 | 17.1 | 1080.00 | 10011 | -376 | 432.39 | 1385.9 | 412.1 | 88 | 390.8 |
| H Jun 2018 | 986 | 16.6 | 1076.81 | 9748 | -263 | 428.91 | 1552.0 | 378.6 | 100 | 384.1 |
| I Jul 2018 | 820 | 13.3 | 1077.43 | 9799 | 51 | 432.34 | 1552.0 | 313.2 | 100 | 382.0 |
| S Aug 2018 | 749 | 12.2 | 1078.88 | 9918 | 119 | 435.01 | 1562.0 | 287.4 | 100 | 383.8 |
| T Sep 2018 | 725 | 12.2 | 1078.29 | 9870 | -49 | 434.15 | 1562.0 | 278.7 | 100 | 384.7 |
| WY 2018 | 9240 | | | | | | | 3614.3 | | |
| O Oct 2018 | 641 | 10.4 | 1078.52 | 9889 | 19 | 435.29 | 1406.1 | 247.8 | 87 | 386.7 |
| R Nov 2018 | 690 | 11.6 | 1078.32 | 9872 | -16 | 434.47 | 755.0 | 266.1 | 49 | 385.8 |
| I Dec 2018 | 453 | 7.6 | 1081.46 | 10132 | 260 | 438.59 | 959.9 | 179.6 | 61 | 396.6 |
| C Jan 2019 | 487 | 7.9 | 1085.75 | 10493 | 361 | 442.10 | 1006.1 | 183.4 | 63 | 376.8 |
| A Feb 2019 | 621 | 11.2 | 1087.97 | 10682 | 189 | 443.82 | 1119.0 | 246.4 | 70 | 396.7 |
| L Mar 2019 | 738 | 12.0 | 1090.24 | 10878 | 195 | 444.26 | 1112.0 | 295.7 | 70 | 400.6 |
| * Apr 2019 | 902 | 15.2 | 1088.95 | 10767 | -111 | 439.99 | 810.1 | 365.4 | 51 | 405.2 |
| May 2019 | 981 | 16.0 | 1085.51 | 10473 | -294 | 439.17 | 803.9 | 408.2 | 51 | 416.0 |
| Jun 2019 | 925 | 15.5 | 1082.91 | 10254 | -219 | 430.70 | 1576.0 | 360.8 | 100 | 390.0 |
| Jul 2019 | 840 | 13.7 | 1082.84 | 10248 | -6 | 429.70 | 1576.0 | 329.1 | 100 | 391.8 |
| Aug 2019 | 820 | 13.3 | 1083.66 | 10316 | 69 | 430.39 | 1591.0 | 320.8 | 100 | 391.5 |
| Sep 2019 | 746 | 12.5 | 1082.98 | 10260 | -57 | 431.11 | 1576.0 | 290.6 | 100 | 389.6 |
| WY 2019 | 8843 | | | | | | | 3493.8 | | |
| Oct 2019 | 504 | 8.2 | 1084.58 | 10394 | 134 | 435.17 | 1395.9 | 198.4 | 88 | 393.3 |
| Nov 2019 | 687 | 11.5 | 1083.92 | 10339 | -55 | 439.35 | 1185.0 | 272.6 | 74 | 396.6 |
| Dec 2019 | 631 | 10.3 | 1084.87 | 10418 | 79 | 437.53 | 1206.1 | 249.2 | 75 | 395.0 |
| Jan 2020 | 593 | 9.6 | 1088.27 | 10708 | 290 | 438.09 | 1121.0 | 233.2 | 70 | 393.5 |
| Feb 2020 | 682 | 11.8 | 1089.59 | 10822 | 114 | 439.56 | 1118.0 | 272.3 | 68 | 399.5 |
| Mar 2020 | 1007 | 16.4 | 1087.38 | 10632 | -190 | 437.40 | 1297.0 | 399.0 | 81 | 396.2 |
| Apr 2020 | 1081 | 18.2 | 1083.11 | 10270 | -362 | 434.06 | 1241.9 | 432.3 | 78 | 399.8 |
| May 2020 | 1021 | 16.6 | 1079.07 | 9934 | -337 | 427.60 | 1562.0 | 391.5 | 100 | 383.4 |
| Jun 2020 | 944 | 15.9 | 1076.05 | 9687 | -247 | 424.11 | 1539.0 | 363.5 | 100 | 385.0 |
| Jul 2020 | 854 | 13.9 | 1075.76 | 9663 | -24 | 422.79 | 1539.0 | 329.7 | 100 | 386.2 |
| Aug 2020 | 751 | 12.2 | 1077.45 | 9801 | 138 | 423.81 | 1552.0 | 287.0 | 100 | 382.1 |
| Sep 2020 | 736 | 12.4 | 1076.78 | 9746 | -55 | 424.96 | 1552.0 | 282.2 | 100 | 383.6 |
| WY 2020 | 9490 | | | | | | | 3710.8 | | |
| Oct 2020 | 500 | 8.1 | 1078.52 | 9888 | 142 | 429.08 | 1367.0 | 194.1 | 88 | 388.3 |
| Nov 2020 | 624 | 10.5 | 1078.62 | 9897 | 8 | 433.70 | 1160.9 | 245.0 | 74 | 393.0 |
| Dec 2020 | 585 | 9.5 | 1080.15 | 10023 | 127 | 432.55 | 1181.4 | 226.5 | 75 | 387.4 |
| Jan 2021 | 593 | 9.6 | 1083.62 | 10313 | 290 | 433.43 | 1104.9 | 231.1 | 70 | 389.8 |
| Feb 2021 | 678 | 12.2 | 1085.01 | 10431 | 118 | 434.97 | 1091.8 | 269.0 | 68 | 397.0 |
| Mar 2021 | 1007 | 16.4 | 1082.77 | 10242 | -189 | 432.84 | 1274.5 | 394.8 | 81 | 392.1 |
| Apr 2021 | 1081 | 18.2 | 1078.42 | 9881 | -361 | 429.44 | 1215.8 | 427.8 | 78 | 395.6 |

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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 |
|----------------|----------|-------------------------------|-----------------------------|--|--------------------------------|--------------------------------------|------------------------------|-----------------------------|-------------------------------|----------------------------------|--------|
| * | May 2018 | 1001 | 16.3 | 643.17 | 1703 | 21 | 141.89 | 204.0 | 126.2 | 80 | 126.1 |
| H | Jun 2018 | 909 | 15.3 | 644.29 | 1734 | 31 | 143.00 | 255.0 | 115.0 | 100 | 126.6 |
| I | Jul 2018 | 827 | 13.4 | 642.91 | 1696 | -38 | 141.79 | 255.0 | 105.3 | 100 | 127.4 |
| S | Aug 2018 | 730 | 11.9 | 642.29 | 1679 | -17 | 141.02 | 255.0 | 92.7 | 100 | 127.1 |
| T | Sep 2018 | 814 | 13.7 | 637.87 | 1561 | -119 | 136.59 | 255.0 | 101.2 | 100 | 124.3 |
| WY 2018 | | 8981 | | | | | | | 1126.3 | | |
| O | Oct 2018 | 635 | 10.3 | 637.08 | 1540 | -21 | 135.95 | 184.3 | 77.8 | 72 | 122.4 |
| R | Nov 2018 | 610 | 10.3 | 638.62 | 1581 | 40 | 137.20 | 158.1 | 78.4 | 62 | 128.4 |
| I | Dec 2018 | 386 | 6.3 | 640.79 | 1639 | 58 | 140.00 | 153.0 | 47.3 | 60 | 122.5 |
| C | Jan 2019 | 418 | 6.8 | 641.89 | 1668 | 30 | 143.26 | 159.6 | 56.8 | 63 | 135.8 |
| A | Feb 2019 | 569 | 10.2 | 643.20 | 1704 | 36 | 144.69 | 209.5 | 68.8 | 82 | 120.9 |
| L | Mar 2019 | 749 | 12.2 | 642.57 | 1687 | -17 | 140.17 | 218.8 | 94.8 | 86 | 126.6 |
| * | Apr 2019 | 886 | 14.9 | 642.52 | 1686 | -1 | 142.03 | 210.8 | 111.9 | 83 | 126.3 |
| | May 2019 | 934 | 15.2 | 643.00 | 1699 | 13 | 138.94 | 238.6 | 117.0 | 94 | 125.2 |
| | Jun 2019 | 883 | 14.8 | 643.00 | 1699 | 0 | 139.31 | 255.0 | 110.9 | 100 | 125.5 |
| | Jul 2019 | 830 | 13.5 | 642.00 | 1671 | -27 | 139.29 | 255.0 | 104.2 | 100 | 125.5 |
| | Aug 2019 | 786 | 12.8 | 642.00 | 1671 | 0 | 139.05 | 255.0 | 98.4 | 100 | 125.3 |
| | Sep 2019 | 769 | 12.9 | 640.01 | 1618 | -54 | 138.00 | 255.0 | 95.6 | 100 | 124.3 |
| WY 2019 | | 8457 | | | | | | | 1061.8 | | |
| | Oct 2019 | 669 | 10.9 | 633.00 | 1434 | -183 | 134.29 | 208.9 | 81.0 | 82 | 121.0 |
| | Nov 2019 | 607 | 10.2 | 635.00 | 1486 | 51 | 132.07 | 153.0 | 72.2 | 60 | 119.0 |
| | Dec 2019 | 512 | 8.3 | 638.71 | 1583 | 97 | 135.71 | 200.7 | 62.6 | 79 | 122.3 |
| | Jan 2020 | 483 | 7.9 | 641.80 | 1666 | 83 | 139.32 | 179.3 | 60.7 | 70 | 125.5 |
| | Feb 2020 | 658 | 11.4 | 641.80 | 1666 | 0 | 139.36 | 189.9 | 82.7 | 74 | 125.6 |
| | Mar 2020 | 944 | 15.4 | 643.05 | 1700 | 34 | 138.55 | 255.0 | 117.9 | 100 | 124.8 |
| | Apr 2020 | 1049 | 17.6 | 643.00 | 1699 | -1 | 138.40 | 255.0 | 130.8 | 100 | 124.7 |
| | May 2020 | 987 | 16.1 | 643.00 | 1699 | 0 | 138.89 | 255.0 | 123.5 | 100 | 125.1 |
| | Jun 2020 | 903 | 15.2 | 643.00 | 1699 | 0 | 139.19 | 255.0 | 113.2 | 100 | 125.4 |
| | Jul 2020 | 844 | 13.7 | 642.00 | 1671 | -27 | 139.20 | 255.0 | 105.9 | 100 | 125.4 |
| | Aug 2020 | 717 | 11.7 | 642.00 | 1671 | 0 | 139.48 | 255.0 | 90.1 | 100 | 125.7 |
| | Sep 2020 | 759 | 12.8 | 640.01 | 1618 | -54 | 138.07 | 255.0 | 94.4 | 100 | 124.4 |
| WY 2020 | | 9133 | | | | | | | 1134.9 | | |
| | Oct 2020 | 665 | 10.8 | 633.00 | 1434 | -183 | 134.32 | 208.9 | 80.5 | 82 | 121.0 |
| | Nov 2020 | 543 | 9.1 | 635.00 | 1486 | 51 | 132.51 | 153.0 | 64.8 | 60 | 119.4 |
| | Dec 2020 | 466 | 7.6 | 638.71 | 1583 | 97 | 136.05 | 200.7 | 57.1 | 79 | 122.6 |
| | Jan 2021 | 484 | 7.9 | 641.80 | 1666 | 83 | 139.32 | 179.3 | 60.7 | 70 | 125.5 |
| | Feb 2021 | 654 | 11.8 | 641.80 | 1666 | 0 | 139.23 | 189.4 | 82.1 | 74 | 125.4 |
| | Mar 2021 | 944 | 15.4 | 643.05 | 1700 | 34 | 138.55 | 255.0 | 117.9 | 100 | 124.8 |
| | Apr 2021 | 1050 | 17.6 | 643.00 | 1699 | -1 | 138.40 | 255.0 | 130.9 | 100 | 124.7 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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 |
|----------------|----------|-------------------------------|-----------------------------|--|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| * | May 2018 | 697 | 11.3 | 448.51 | 590 | 26 | 82.36 | 120.0 | 48.5 | 100 | 69.6 |
| H | Jun 2018 | 712 | 12.0 | 448.43 | 588 | -1 | 80.33 | 120.0 | 49.7 | 100 | 69.9 |
| I | Jul 2018 | 656 | 10.7 | 448.00 | 580 | -8 | 81.97 | 120.0 | 46.0 | 100 | 70.2 |
| S | Aug 2018 | 611 | 9.9 | 447.53 | 571 | -9 | 79.27 | 120.0 | 42.7 | 100 | 69.9 |
| T | Sep 2018 | 512 | 8.6 | 448.95 | 598 | 27 | 83.02 | 120.0 | 35.9 | 100 | 70.1 |
| WY 2018 | | 6479 | | | | | | | 451.7 | | |
| O | Oct 2018 | 394 | 6.4 | 448.12 | 582 | -16 | 82.83 | 90.0 | 27.9 | 75 | 70.9 |
| R | Nov 2018 | 357 | 6.0 | 447.99 | 580 | -3 | 82.25 | 93.0 | 26.1 | 78 | 73.0 |
| I | Dec 2018 | 218 | 3.5 | 446.53 | 552 | -27 | 81.03 | 116.1 | 12.9 | 97 | 59.1 |
| C | Jan 2019 | 250 | 4.1 | 446.58 | 553 | 1 | 82.75 | 117.1 | 17.0 | 98 | 68.2 |
| A | Feb 2019 | 372 | 6.7 | 447.53 | 571 | 18 | 81.87 | 95.4 | 25.5 | 79 | 68.6 |
| L | Mar 2019 | 630 | 10.2 | 447.86 | 577 | 6 | 82.11 | 111.3 | 44.3 | 93 | 70.4 |
| * | Apr 2019 | 712 | 12.0 | 447.29 | 567 | -11 | 79.40 | 115.0 | 49.5 | 96 | 69.5 |
| | May 2019 | 701 | 11.4 | 448.50 | 589 | 23 | 75.31 | 119.0 | 46.2 | 99 | 65.9 |
| | Jun 2019 | 731 | 12.3 | 448.50 | 589 | 0 | 75.86 | 120.0 | 48.6 | 100 | 66.5 |
| | Jul 2019 | 683 | 11.1 | 448.00 | 580 | -9 | 75.61 | 120.0 | 45.1 | 100 | 66.1 |
| | Aug 2019 | 612 | 9.9 | 447.50 | 571 | -10 | 75.13 | 120.0 | 40.1 | 100 | 65.5 |
| | Sep 2019 | 515 | 8.6 | 447.50 | 570 | 0 | 74.89 | 120.0 | 33.4 | 100 | 65.0 |
| WY 2019 | | 6173 | | | | | | | 416.7 | | |
| | Oct 2019 | 468 | 7.6 | 447.50 | 571 | 0 | 76.29 | 90.0 | 30.9 | 75 | 66.0 |
| | Nov 2019 | 383 | 6.4 | 447.50 | 571 | 0 | 76.14 | 93.0 | 25.0 | 78 | 65.2 |
| | Dec 2019 | 311 | 5.1 | 446.50 | 552 | -19 | 74.65 | 114.2 | 19.6 | 95 | 63.1 |
| | Jan 2020 | 265 | 4.3 | 446.50 | 552 | 0 | 75.07 | 94.8 | 16.7 | 79 | 62.8 |
| | Feb 2020 | 435 | 7.6 | 446.50 | 552 | 0 | 75.16 | 93.1 | 28.3 | 78 | 65.1 |
| | Mar 2020 | 711 | 11.6 | 446.70 | 555 | 4 | 74.01 | 120.0 | 46.2 | 100 | 64.9 |
| | Apr 2020 | 733 | 12.3 | 448.70 | 593 | 38 | 75.08 | 120.0 | 48.3 | 100 | 65.9 |
| | May 2020 | 698 | 11.4 | 448.70 | 593 | 0 | 76.05 | 120.0 | 46.4 | 100 | 66.5 |
| | Jun 2020 | 721 | 12.1 | 448.70 | 593 | 0 | 76.05 | 120.0 | 48.0 | 100 | 66.6 |
| | Jul 2020 | 681 | 11.1 | 448.00 | 580 | -13 | 75.71 | 120.0 | 45.0 | 100 | 66.2 |
| | Aug 2020 | 601 | 9.8 | 447.50 | 571 | -9 | 75.13 | 120.0 | 39.3 | 100 | 65.5 |
| | Sep 2020 | 511 | 8.6 | 447.50 | 570 | 0 | 74.89 | 120.0 | 33.2 | 100 | 65.0 |
| WY 2020 | | 6518 | | | | | | | 426.9 | | |
| | Oct 2020 | 488 | 7.9 | 447.50 | 571 | 0 | 76.29 | 90.0 | 32.3 | 75 | 66.1 |
| | Nov 2020 | 362 | 6.1 | 447.50 | 571 | 0 | 76.19 | 92.0 | 23.5 | 77 | 65.1 |
| | Dec 2020 | 314 | 5.1 | 446.50 | 552 | -19 | 74.86 | 109.4 | 19.9 | 91 | 63.3 |
| | Jan 2021 | 265 | 4.3 | 446.50 | 552 | 0 | 75.07 | 94.8 | 16.6 | 79 | 62.8 |
| | Feb 2021 | 435 | 7.8 | 446.50 | 552 | 0 | 75.21 | 92.1 | 28.3 | 77 | 65.2 |
| | Mar 2021 | 710 | 11.5 | 446.70 | 555 | 4 | 74.01 | 120.0 | 46.1 | 100 | 64.9 |
| | Apr 2021 | 732 | 12.3 | 448.70 | 593 | 38 | 75.08 | 120.0 | 48.2 | 100 | 65.9 |

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 24-Month Study

Most Probable Inflow*

Upper Basin Power



| | Glen Canyon | Flaming Gorge | Blue Mesa | Morrow Point | Crystal Reservoir | Fontenelle Reservoir |
|--------------------|----------------|------------------|--------------|-----------------|----------------------|-------------------------|
| Date | 1000 MWHR | 1000 MWHR | 1000 MWHR | 1000 MWHR | 1000 MWHR | 1000 MWHR |
| * May 2018 | 318 | 63 | 23 | 33 | 20 | 7 |
| H Jun 2018 | 343 | 50 | 27 | 34 | 20 | 8 |
| I Jul 2018 | 384 | 48 | 27 | 36 | 20 | 8 |
| S Aug 2018 | 393 | 50 | 24 | 33 | 19 | 7 |
| T Sep 2018 | 288 | 47 | 8 | 29 | 16 | 1 |
| Summer 2018 | 2045 | 297 | 133 | 193 | 111 | 36 |
| O Oct 2018 | 268 | 39 | 11 | 19 | 9 | 4 |
| R Nov 2018 | 248 | 36 | 5 | 4 | 2 | 5 |
| I Dec 2018 | 313 | 47 | 5 | 6 | 2 | 5 |
| C Jan 2019 | 335 | 47 | 4 | 6 | 1 | 4 |
| A Feb 2019 | 302 | 42 | 6 | 8 | 1 | 3 |
| L Mar 2019 | 325 | 22 | 6 | 9 | 4 | 3 |
| Winter 2019 | 1790 | 233 | 36 | 51 | 19 | 24 |
| * Apr 2019 | 294 | 27 | 9 | 14 | 10 | 4 |
| May 2019 | 274 | 36 | 48 | 76 | 23 | 7 |
| Jun 2019 | 304 | 91 | 16 | 31 | 22 | 9 |
| Jul 2019 | 350 | 43 | 27 | 34 | 19 | 10 |
| Aug 2019 | 365 | 45 | 34 | 40 | 20 | 10 |
| Sep 2019 | 277 | 44 | 32 | 38 | 20 | 3 |
| Summer 2019 | 1863 | 286 | 166 | 233 | 115 | 43 |
| Oct 2019 | 259 | 27 | 22 | 27 | 14 | 6 |
| Nov 2019 | 258 | 26 | 17 | 21 | 11 | 5 |
| Dec 2019 | 289 | 54 | 33 | 40 | 20 | 5 |
| Jan 2020 | 344 | 56 | 17 | 22 | 11 | 5 |
| Feb 2020 | 298 | 52 | 10 | 13 | 0 | 4 |
| Mar 2020 | 316 | 28 | 11 | 15 | 8 | 4 |
| Winter 2020 | 1763 | 244 | 111 | 137 | 64 | 28 |
| Apr 2020 | 280 | 24 | 17 | 24 | 14 | 5 |
| May 2020 | 285 | 28 | 60 | 98 | 23 | 6 |
| Jun 2020 | 309 | 94 | 15 | 25 | 18 | 9 |
| Jul 2020 | 355 | 45 | 24 | 30 | 17 | 10 |
| Aug 2020 | 375 | 45 | 27 | 33 | 17 | 8 |
| Sep 2020 | 279 | 43 | 27 | 32 | 16 | 2 |
| Summer 2020 | 1882 | 279 | 170 | 242 | 105 | 39 |
| Oct 2020 | 265 | 34 | 18 | 22 | 12 | 8 |
| Nov 2020 | 264 | 33 | 18 | 21 | 11 | 5 |
| Dec 2020 | 296 | 43 | 33 | 40 | 20 | 5 |
| Jan 2021 | 352 | 43 | 20 | 25 | 13 | 5 |
| Feb 2021 | 306 | 37 | 10 | 13 | 7 | 4 |
| Mar 2021 | 325 | 27 | 0 | 12 | 7 | 4 |
| Winter 2021 | 1484 | 190 | 99 | 122 | 62 | 27 |
| Apr 2021 | 287 | 26 | 0 | 24 | 14 | 5 |

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OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



May 2019 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 **** | | | | | | | | **** EFFECTIVE SPACE **** | | | | | | | | | | | |
| May 2019 | 654 | 495 | 579 | 15124 | 16852 | 16610 | 33463 | 347 | 495 | 381 | 1222 | 15124 | 16610 | 32957 | 1500 | 981 | 0 | 29.1 | |
| Jun 2019 | 529 | 382 | 381 | 13507 | 14799 | 16904 | 31703 | 210 | 382 | 144 | 736 | 13507 | 16904 | 31147 | 1500 | 925 | 0 | 31.5 | |
| Jul 2019 | 431 | 78 | 332 | 11415 | 12256 | 17123 | 29379 | 99 | 69 | 39 | 207 | 11415 | 17123 | 28745 | 1500 | 840 | 0 | 31.8 | |
| **** PREDICTED SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | | |
| Aug 2019 | 350 | 12 | 354 | 11134 | 11850 | 17129 | 28980 | 350 | 12 | 354 | 716 | 11134 | 17129 | 28980 | 1500 | 820 | 0 | 31.5 | |
| Sep 2019 | 402 | 45 | 368 | 11412 | 12227 | 17061 | 29288 | 402 | 45 | 368 | 815 | 11412 | 17061 | 29288 | 2270 | 746 | 0 | 31.1 | |
| Oct 2019 | 479 | 89 | 366 | 11558 | 12492 | 17117 | 29610 | 479 | 89 | 366 | 934 | 11558 | 17117 | 29610 | 3040 | 504 | 0 | 30.9 | |
| Nov 2019 | 503 | 116 | 355 | 11649 | 12622 | 16983 | 29605 | 503 | 116 | 355 | 973 | 11649 | 16983 | 29605 | 3810 | 687 | 0 | 30.7 | |
| Dec 2019 | 527 | 137 | 356 | 11786 | 12806 | 17038 | 29845 | 527 | 137 | 356 | 1020 | 11786 | 17038 | 29845 | 4580 | 631 | 0 | 30.5 | |
| Jan 2020 | 638 | 221 | 367 | 11954 | 13181 | 16959 | 30139 | 638 | 221 | 367 | 1226 | 11954 | 16959 | 30139 | 5350 | 593 | 0 | 30.4 | |
| **** PREDICTED SPACE **** | | | | | | | | **** EFFECTIVE SPACE **** | | | | | | | | | | | |
| Jan 2020 | 638 | 221 | 367 | 11954 | 13181 | 16959 | 30139 | 269 | 200 | 167 | 636 | 11954 | 16959 | 29549 | 5350 | 593 | 0 | 30.4 | |
| Feb 2020 | 751 | 254 | 380 | 12279 | 13664 | 16669 | 30333 | 382 | 234 | 179 | 795 | 12279 | 16669 | 29744 | 1500 | 682 | 0 | 30.2 | |
| Mar 2020 | 850 | 266 | 382 | 12516 | 14014 | 16555 | 30569 | 481 | 246 | 181 | 908 | 12516 | 16555 | 29979 | 1500 | 1007 | 0 | 29.9 | |
| Apr 2020 | 829 | 266 | 344 | 12720 | 14159 | 16745 | 30904 | 456 | 247 | 135 | 837 | 12720 | 16745 | 30303 | 1500 | 1081 | 0 | 29.8 | |
| May 2020 | 768 | 245 | 267 | 12595 | 13875 | 17107 | 30982 | 388 | 226 | 34 | 648 | 12595 | 17107 | 30350 | 1500 | 1021 | 0 | 31.0 | |
| Jun 2020 | 613 | 285 | 245 | 11266 | 12408 | 17443 | 29852 | 220 | 251 | -28 | 443 | 11266 | 17443 | 29152 | 1500 | 944 | 0 | 32.5 | |
| Jul 2020 | 493 | 76 | 367 | 9746 | 10683 | 17690 | 28373 | 87 | 39 | 37 | 163 | 9746 | 17690 | 27600 | 1500 | 854 | 0 | 32.6 | |
| **** PREDICTED SPACE **** | | | | | | | | **** CREDITABLE SPACE **** | | | | | | | | | | | |
| Aug 2020 | 424 | 35 | 391 | 9667 | 10517 | 17714 | 28231 | 424 | 35 | 391 | 850 | 9667 | 17714 | 28231 | 1500 | 751 | 0 | 32.3 | |
| Sep 2020 | 471 | 51 | 412 | 10007 | 10941 | 17576 | 28518 | 471 | 51 | 412 | 935 | 10007 | 17576 | 28518 | 2270 | 736 | 0 | 31.8 | |
| Oct 2020 | 545 | 90 | 417 | 10185 | 11238 | 17631 | 28869 | 545 | 90 | 417 | 1053 | 10185 | 17631 | 28869 | 3040 | 500 | 0 | 31.6 | |
| Nov 2020 | 587 | 107 | 413 | 10293 | 11400 | 17489 | 28888 | 587 | 107 | 413 | 1107 | 10293 | 17489 | 28888 | 3810 | 624 | 0 | 31.5 | |
| Dec 2020 | 630 | 133 | 417 | 10423 | 11603 | 17480 | 29083 | 630 | 133 | 417 | 1180 | 10423 | 17480 | 29083 | 4580 | 585 | 0 | 31.3 | |
| Jan 2021 | 712 | 217 | 428 | 10621 | 11978 | 17354 | 29332 | 712 | 217 | 428 | 1357 | 10621 | 17354 | 29332 | 5350 | 593 | 0 | 31.2 | |
| **** PREDICTED SPACE **** | | | | | | | | **** EFFECTIVE SPACE **** | | | | | | | | | | | |
| Jan 2021 | 712 | 217 | 428 | 10621 | 11978 | 17354 | 29332 | 343 | 187 | 228 | 758 | 10621 | 17354 | 28733 | 5350 | 593 | 0 | 31.2 | |
| Feb 2021 | 789 | 259 | 441 | 10973 | 12462 | 17064 | 29526 | 420 | 230 | 240 | 890 | 10973 | 17064 | 28927 | 1500 | 678 | 0 | 31.0 | |
| Mar 2021 | 849 | 269 | 443 | 11250 | 12810 | 16946 | 29756 | 478 | 240 | 241 | 959 | 11250 | 16946 | 29156 | 1500 | 1007 | 0 | 30.7 | |
| Apr 2021 | 825 | 257 | 404 | 11466 | 12951 | 17135 | 30086 | 450 | 233 | 195 | 878 | 11466 | 17135 | 29479 | 1500 | 1081 | 0 | 30.6 | |

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