

To: All Annual Operating Plan Recipients

From: Lower Colorado Region
Boulder Canyon Operations Office
River Operations Group
Daniel Bunk
P.O. Box 61470
Boulder City, NV 89006-1470
Phone: 702-293-8013



The operation of Lake Powell and Lake Mead in this March 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). Pursuant to the Interim Guidelines, the August 2016 24-Month Study projections of the January 1, 2017, system storage and reservoir water surface elevations set the operational tier for the coordinated operation of Lake Powell and Lake Mead during 2017.

Consistent with Section 6.B of the Interim Guidelines, Lake Powell's operations in water year 2017 will be governed by the Upper Elevation Balancing Tier, with an initial water year release volume of 8.23 maf and the potential for an April adjustment to equalization or balancing releases in April 2017. The March 2017 24-Month Study projects an April adjustment to equalization, consistent with Section 6.B.3 of the Interim Guidelines, with a projected release of 11.1 maf in water year 2017.

Current runoff projections into Lake Powell are provided by the National Weather Service's Colorado Basin River Forecast Center and are as follows: Observed unregulated inflow into Lake Powell for the month of February was 0.555 maf or 141 percent of the 30-year average from 1981 to 2010. The forecast for March unregulated inflow into Lake Powell is 0.870 maf or 131 percent of the 30-year average. The 2017 April through July unregulated inflow forecast is 10.4 maf or 145 percent of average. Since the March final forecast was issued on March 2, 2017, the Colorado Basin River Forecast Center Ensemble Streamflow Prediction indicates a decrease in the forecasted inflow. It is unlikely that the March final forecasted inflow will be sustained in the April final forecast. The April 24-Month Study projections are used to determine whether there is an adjustment to equalization or balancing under the Interim Guidelines governing Lake Powell releases for the remainder of water year 2017.

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 2017.

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

The 2017 AOP is available for download at: <https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP17.pdf>.

In this study, the calendar year 2017 diversion for Metropolitan Water District of Southern California (MWD) is projected to be 0.753 maf. The calendar year 2017 diversion for the Central Arizona Project (CAP) is projected to be 1.583 maf. Consumptive use for Nevada above Hoover (SNWP Use) is projected to be 0.245 maf for calendar year 2017.

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

Hoover, Davis, and Parker historical gross energy figures come from PO&M reports provided by the Lower Colorado Region's Power Management Office, Bureau of Reclamation, Boulder City, Nevada. Questions regarding these historical energy numbers can be directed to Eric Carty at (702) 293-8129.

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 2017 24-Month Study

Most Probable Inflow*

Fontenelle Reservoir



| | Regulated Inflow | Evap Losses | Power Release | Bypass Release | Total Release | Reservoir Elev End of Month | Live Storage |
|----------------|------------------|--------------|---------------|----------------|---------------|-----------------------------|--------------|
| Date | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (Ft) | (1000 Ac-Ft) |
| * Mar 2016 | 50 | 1 | 58 | 0 | 58 | 6474.73 | 140 |
| H Apr 2016 | 91 | 1 | 56 | 0 | 56 | 6481.34 | 174 |
| I May 2016 | 186 | 2 | 86 | 20 | 106 | 6493.63 | 252 |
| S Jun 2016 | 293 | 2 | 101 | 143 | 243 | 6500.14 | 299 |
| T Jul 2016 | 80 | 3 | 73 | 3 | 76 | 6500.25 | 300 |
| O Aug 2016 | 29 | 2 | 65 | 0 | 65 | 6495.03 | 262 |
| R Sep 2016 | 26 | 2 | 36 | 21 | 58 | 6490.22 | 229 |
| WY 2016 | 943 | 15 | 739 | 213 | 952 | | |
| I Oct 2016 | 57 | 1 | 0 | 57 | 57 | 6490.08 | 228 |
| C Nov 2016 | 62 | 1 | 0 | 59 | 59 | 6490.44 | 230 |
| A Dec 2016 | 37 | 1 | 0 | 63 | 63 | 6486.33 | 203 |
| L Jan 2017 | 45 | 1 | 0 | 63 | 63 | 6483.20 | 184 |
| * Feb 2017 | 51 | 1 | 0 | 57 | 57 | 6482.06 | 178 |
| Mar 2017 | 88 | 1 | 78 | 0 | 78 | 6483.60 | 187 |
| Apr 2017 | 200 | 1 | 95 | 184 | 280 | 6467.06 | 107 |
| May 2017 | 410 | 1 | 94 | 312 | 406 | 6467.85 | 110 |
| Jun 2017 | 650 | 2 | 99 | 360 | 459 | 6500.00 | 299 |
| Jul 2017 | 420 | 3 | 101 | 276 | 377 | 6505.18 | 339 |
| Aug 2017 | 145 | 2 | 105 | 139 | 244 | 6491.53 | 238 |
| Sep 2017 | 85 | 2 | 67 | 0 | 67 | 6493.94 | 255 |
| WY 2017 | 2249 | 14 | 640 | 1570 | 2209 | | |
| Oct 2017 | 76 | 1 | 69 | 0 | 69 | 6494.83 | 261 |
| Nov 2017 | 54 | 1 | 67 | 0 | 67 | 6492.94 | 248 |
| Dec 2017 | 32 | 1 | 69 | 0 | 69 | 6487.27 | 210 |
| Jan 2018 | 30 | 1 | 69 | 0 | 69 | 6480.78 | 171 |
| Feb 2018 | 28 | 1 | 62 | 0 | 62 | 6473.84 | 136 |
| Mar 2018 | 53 | 0 | 69 | 0 | 69 | 6470.07 | 119 |
| Apr 2018 | 85 | 1 | 92 | 0 | 92 | 6468.30 | 112 |
| May 2018 | 164 | 1 | 95 | 0 | 95 | 6482.21 | 179 |
| Jun 2018 | 299 | 2 | 103 | 55 | 158 | 6502.52 | 318 |
| Jul 2018 | 178 | 3 | 99 | 48 | 148 | 6505.97 | 345 |
| Aug 2018 | 77 | 2 | 102 | 45 | 148 | 6496.36 | 272 |
| Sep 2018 | 46 | 2 | 60 | 0 | 60 | 6494.21 | 257 |
| WY 2018 | 1121 | 15 | 956 | 148 | 1104 | | |
| Oct 2018 | 49 | 1 | 61 | 0 | 61 | 6492.20 | 243 |
| Nov 2018 | 42 | 1 | 60 | 0 | 60 | 6489.41 | 225 |
| Dec 2018 | 32 | 1 | 61 | 0 | 61 | 6484.79 | 195 |
| Jan 2019 | 30 | 1 | 61 | 0 | 61 | 6479.26 | 163 |
| Feb 2019 | 28 | 0 | 56 | 0 | 56 | 6473.47 | 134 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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) |
|----------------|---------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|----------------------------|---------------------------|----------------------------------|---------------------------|--------------------------|
| * Mar 2016 | 84 | 93 | 3 | 51 | 0 | 51 | 127 | 6025.13 | 3165 | 131 |
| H Apr 2016 | 140 | 105 | 5 | 50 | 0 | 50 | 129 | 6026.43 | 3213 | 316 |
| I May 2016 | 362 | 282 | 8 | 52 | 0 | 52 | 138 | 6032.01 | 3427 | 701 |
| S Jun 2016 | 455 | 405 | 11 | 270 | 198 | 469 | 135 | 6030.17 | 3356 | 965 |
| T Jul 2016 | 91 | 88 | 13 | 116 | 4 | 120 | 133 | 6029.03 | 3312 | 220 |
| O Aug 2016 | 28 | 64 | 13 | 110 | 0 | 110 | 131 | 6027.55 | 3255 | 133 |
| R Sep 2016 | 36 | 67 | 11 | 107 | 0 | 107 | 129 | 6026.27 | 3207 | 128 |
| WY 2016 | 1427 | 1437 | 80 | 1406 | 203 | 1609 | | | | 3435 |
| I Oct 2016 | 70 | 70 | 7 | 85 | 0 | 85 | 128 | 6025.69 | 3186 | 119 |
| C Nov 2016 | 73 | 70 | 4 | 77 | 0 | 77 | 128 | 6025.41 | 3175 | 112 |
| A Dec 2016 | 35 | 61 | 2 | 106 | 0 | 106 | 126 | 6024.19 | 3130 | 136 |
| L Jan 2017 | 49 | 67 | 2 | 110 | 0 | 110 | 124 | 6023.01 | 3087 | 155 |
| * Feb 2017 | 106 | 112 | 2 | 109 | 0 | 109 | 124 | 6023.03 | 3088 | 189 |
| Mar 2017 | 250 | 240 | 3 | 254 | 0 | 254 | 124 | 6022.59 | 3072 | 374 |
| Apr 2017 | 340 | 420 | 5 | 280 | 113 | 393 | 125 | 6023.18 | 3093 | 678 |
| May 2017 | 615 | 611 | 8 | 291 | 115 | 406 | 132 | 6028.28 | 3283 | 981 |
| Jun 2017 | 830 | 639 | 11 | 283 | 229 | 512 | 137 | 6031.21 | 3396 | 1052 |
| Jul 2017 | 475 | 432 | 14 | 293 | 47 | 341 | 140 | 6033.10 | 3470 | 441 |
| Aug 2017 | 175 | 274 | 13 | 137 | 0 | 137 | 144 | 6036.06 | 3589 | 164 |
| Sep 2017 | 100 | 82 | 12 | 132 | 0 | 132 | 142 | 6034.57 | 3529 | 152 |
| WY 2017 | 3118 | 3078 | 81 | 2158 | 504 | 2662 | | | | 4553 |
| Oct 2017 | 91 | 84 | 8 | 137 | 0 | 137 | 140 | 6033.10 | 3470 | 170 |
| Nov 2017 | 65 | 78 | 4 | 132 | 0 | 132 | 137 | 6031.68 | 3414 | 165 |
| Dec 2017 | 35 | 72 | 2 | 137 | 0 | 137 | 135 | 6030.02 | 3350 | 162 |
| Jan 2018 | 40 | 79 | 2 | 137 | 0 | 137 | 132 | 6028.53 | 3293 | 162 |
| Feb 2018 | 45 | 79 | 2 | 124 | 0 | 124 | 131 | 6027.34 | 3248 | 151 |
| Mar 2018 | 102 | 119 | 3 | 137 | 0 | 137 | 130 | 6026.80 | 3227 | 214 |
| Apr 2018 | 134 | 140 | 5 | 132 | 0 | 132 | 130 | 6026.88 | 3230 | 348 |
| May 2018 | 245 | 177 | 8 | 188 | 0 | 188 | 129 | 6026.39 | 3212 | 720 |
| Jun 2018 | 390 | 248 | 10 | 188 | 0 | 188 | 131 | 6027.67 | 3260 | 608 |
| Jul 2018 | 210 | 180 | 14 | 100 | 0 | 100 | 134 | 6029.35 | 3324 | 200 |
| Aug 2018 | 89 | 160 | 13 | 100 | 0 | 100 | 136 | 6030.51 | 3369 | 125 |
| Sep 2018 | 55 | 69 | 11 | 97 | 0 | 97 | 134 | 6029.52 | 3331 | 116 |
| WY 2018 | 1500 | 1484 | 80 | 1609 | 0 | 1609 | | | | 3142 |
| Oct 2018 | 59 | 72 | 7 | 100 | 0 | 100 | 133 | 6028.63 | 3296 | 133 |
| Nov 2018 | 51 | 69 | 3 | 97 | 0 | 97 | 131 | 6027.82 | 3266 | 129 |
| Dec 2018 | 35 | 64 | 2 | 100 | 0 | 100 | 130 | 6026.86 | 3230 | 125 |
| Jan 2019 | 40 | 72 | 2 | 100 | 0 | 100 | 129 | 6026.08 | 3200 | 125 |
| Feb 2019 | 45 | 72 | 2 | 91 | 0 | 91 | 128 | 6025.56 | 3181 | 118 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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) |
| * Mar 2016 | 5 | 6 | 9308.44 | 67 |
| H Apr 2016 | 9 | 6 | 9310.70 | 71 |
| I May 2016 | 17 | 11 | 9314.16 | 77 |
| S Jun 2016 | 41 | 20 | 9325.34 | 97 |
| T Jul 2016 | 11 | 21 | 9320.04 | 87 |
| O Aug 2016 | 9 | 16 | 9315.75 | 79 |
| R Sep 2016 | 6 | 14 | 9310.77 | 71 |
| WY 2016 | 125 | 125 | | |
| I Oct 2016 | 5 | 6 | 9310.23 | 70 |
| C Nov 2016 | 4 | 5 | 9309.76 | 70 |
| A Dec 2016 | 5 | 5 | 9309.56 | 69 |
| L Jan 2017 | 6 | 5 | 9309.76 | 70 |
| * Feb 2017 | 4 | 5 | 9309.43 | 69 |
| Mar 2017 | 4 | 6 | 9308.05 | 67 |
| Apr 2017 | 10 | 15 | 9304.75 | 62 |
| May 2017 | 35 | 22 | 9313.17 | 75 |
| Jun 2017 | 62 | 30 | 9330.00 | 106 |
| Jul 2017 | 21 | 25 | 9328.21 | 103 |
| Aug 2017 | 11 | 18 | 9324.40 | 95 |
| Sep 2017 | 9 | 18 | 9319.65 | 86 |
| WY 2017 | 176 | 160 | | |
| Oct 2017 | 8 | 12 | 9317.04 | 82 |
| Nov 2017 | 5 | 6 | 9316.75 | 81 |
| Dec 2017 | 5 | 6 | 9315.99 | 80 |
| Jan 2018 | 4 | 6 | 9315.03 | 78 |
| Feb 2018 | 4 | 6 | 9313.72 | 76 |
| Mar 2018 | 4 | 6 | 9312.79 | 74 |
| Apr 2018 | 9 | 6 | 9314.44 | 77 |
| May 2018 | 28 | 20 | 9319.18 | 85 |
| Jun 2018 | 42 | 22 | 9329.49 | 105 |
| Jul 2018 | 20 | 22 | 9328.56 | 103 |
| Aug 2018 | 10 | 20 | 9323.59 | 94 |
| Sep 2018 | 7 | 16 | 9318.92 | 85 |
| WY 2018 | 147 | 148 | | |
| Oct 2018 | 7 | 8 | 9318.17 | 84 |
| Nov 2018 | 5 | 6 | 9317.66 | 83 |
| Dec 2018 | 5 | 6 | 9316.91 | 81 |
| Jan 2019 | 4 | 6 | 9315.96 | 80 |
| Feb 2019 | 4 | 6 | 9314.68 | 78 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 2017 24-Month Study

Most Probable Inflow*

Blue Mesa Reservoir



| | UnReg | Regulated | Evap | Power | Bypass | Total | Reservoir Elev | Live |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|
| Date | Inflow | Inflow | Losses | Release | Release | Release | End of Month | Storage |
| | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (Ft) | (1000 Ac-Ft) |
| * Mar 2016 | 41 | 42 | 0 | 36 | 0 | 37 | 7487.62 | 563 |
| H Apr 2016 | 75 | 72 | 1 | 63 | 0 | 63 | 7488.62 | 571 |
| I May 2016 | 161 | 155 | 1 | 134 | 19 | 153 | 7488.74 | 572 |
| S Jun 2016 | 285 | 265 | 1 | 46 | 0 | 46 | 7514.84 | 788 |
| T Jul 2016 | 81 | 91 | 2 | 112 | 0 | 112 | 7512.31 | 766 |
| O Aug 2016 | 57 | 65 | 1 | 110 | 0 | 110 | 7506.94 | 720 |
| R Sep 2016 | 38 | 46 | 1 | 100 | 0 | 100 | 7500.48 | 665 |
| WY 2016 | 881 | 882 | 9 | 913 | 19 | 934 | | |
| I Oct 2016 | 32 | 33 | 1 | 90 | 0 | 90 | 7493.44 | 608 |
| C Nov 2016 | 26 | 27 | 0 | 33 | 0 | 33 | 7492.53 | 601 |
| A Dec 2016 | 26 | 26 | 0 | 35 | 0 | 35 | 7491.43 | 593 |
| L Jan 2017 | 29 | 28 | 0 | 34 | 0 | 34 | 7490.68 | 587 |
| * Feb 2017 | 28 | 29 | 0 | 44 | 1 | 44 | 7488.71 | 571 |
| Mar 2017 | 40 | 42 | 0 | 70 | 0 | 70 | 7485.03 | 543 |
| Apr 2017 | 100 | 105 | 1 | 71 | 0 | 71 | 7489.35 | 576 |
| May 2017 | 300 | 287 | 1 | 205 | 99 | 304 | 7486.98 | 558 |
| Jun 2017 | 430 | 398 | 1 | 159 | 0 | 159 | 7515.58 | 795 |
| Jul 2017 | 140 | 144 | 2 | 123 | 0 | 123 | 7517.73 | 815 |
| Aug 2017 | 72 | 79 | 1 | 138 | 0 | 138 | 7511.07 | 755 |
| Sep 2017 | 53 | 62 | 1 | 134 | 0 | 134 | 7502.52 | 682 |
| WY 2017 | 1276 | 1260 | 9 | 1135 | 100 | 1235 | | |
| Oct 2017 | 48 | 53 | 1 | 77 | 0 | 77 | 7499.58 | 658 |
| Nov 2017 | 35 | 36 | 0 | 52 | 0 | 52 | 7497.54 | 641 |
| Dec 2017 | 26 | 27 | 0 | 85 | 0 | 85 | 7490.20 | 583 |
| Jan 2018 | 24 | 26 | 0 | 55 | 0 | 55 | 7486.46 | 554 |
| Feb 2018 | 22 | 25 | 0 | 38 | 0 | 38 | 7484.66 | 541 |
| Mar 2018 | 36 | 38 | 0 | 44 | 0 | 44 | 7483.78 | 534 |
| Apr 2018 | 77 | 74 | 1 | 54 | 0 | 54 | 7486.40 | 554 |
| May 2018 | 221 | 213 | 1 | 139 | 0 | 139 | 7495.68 | 626 |
| Jun 2018 | 261 | 241 | 1 | 86 | 0 | 86 | 7513.90 | 780 |
| Jul 2018 | 117 | 119 | 2 | 118 | 0 | 118 | 7513.86 | 780 |
| Aug 2018 | 63 | 73 | 1 | 127 | 0 | 127 | 7507.57 | 725 |
| Sep 2018 | 38 | 47 | 1 | 108 | 0 | 108 | 7500.10 | 662 |
| WY 2018 | 969 | 971 | 9 | 982 | 0 | 982 | | |
| Oct 2018 | 38 | 40 | 1 | 68 | 0 | 68 | 7496.57 | 633 |
| Nov 2018 | 31 | 32 | 0 | 38 | 0 | 38 | 7495.84 | 628 |
| Dec 2018 | 26 | 27 | 0 | 64 | 0 | 64 | 7491.15 | 590 |
| Jan 2019 | 24 | 26 | 0 | 55 | 0 | 55 | 7487.44 | 562 |
| Feb 2019 | 22 | 25 | 0 | 44 | 0 | 44 | 7484.92 | 542 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 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) |
|----------------|------------------------------|-----------------------------------|-----------------------------|------------------------------|-------------------------------|--------------------------------|-------------------------------|-------------------------------------|------------------------------|
| * Mar 2016 | 43 | 37 | 2 | 39 | 36 | 0 | 36 | 7152.74 | 111 |
| H Apr 2016 | 83 | 63 | 7 | 71 | 71 | 0 | 71 | 7152.57 | 111 |
| I May 2016 | 176 | 153 | 15 | 168 | 176 | 4 | 180 | 7136.53 | 99 |
| S Jun 2016 | 302 | 46 | 18 | 64 | 52 | 0 | 52 | 7152.31 | 111 |
| T Jul 2016 | 83 | 112 | 2 | 114 | 113 | 0 | 113 | 7153.43 | 112 |
| O Aug 2016 | 58 | 110 | 1 | 111 | 111 | 0 | 111 | 7153.88 | 112 |
| R Sep 2016 | 39 | 100 | 1 | 100 | 103 | 0 | 103 | 7150.03 | 109 |
| WY 2016 | 931 | 934 | 49 | 983 | 972 | 5 | 978 | | |
| I Oct 2016 | 33 | 90 | 1 | 91 | 93 | 0 | 93 | 7146.55 | 106 |
| C Nov 2016 | 28 | 33 | 2 | 36 | 32 | 0 | 35 | 7147.39 | 107 |
| A Dec 2016 | 27 | 35 | 1 | 36 | 34 | 0 | 34 | 7150.44 | 109 |
| L Jan 2017 | 30 | 34 | 2 | 36 | 33 | 0 | 33 | 7153.75 | 112 |
| * Feb 2017 | 29 | 44 | 1 | 45 | 55 | 0 | 55 | 7140.48 | 102 |
| Mar 2017 | 44 | 70 | 4 | 74 | 64 | 0 | 64 | 7153.73 | 112 |
| Apr 2017 | 115 | 71 | 15 | 86 | 86 | 0 | 86 | 7153.73 | 112 |
| May 2017 | 330 | 304 | 30 | 334 | 306 | 28 | 334 | 7153.73 | 112 |
| Jun 2017 | 465 | 159 | 35 | 194 | 194 | 0 | 194 | 7153.73 | 112 |
| Jul 2017 | 150 | 123 | 10 | 133 | 133 | 0 | 133 | 7153.73 | 112 |
| Aug 2017 | 76 | 138 | 4 | 142 | 142 | 0 | 142 | 7153.73 | 112 |
| Sep 2017 | 57 | 134 | 4 | 138 | 138 | 0 | 138 | 7153.73 | 112 |
| WY 2017 | 1385 | 1235 | 109 | 1343 | 1309 | 28 | 1340 | | |
| Oct 2017 | 52 | 77 | 3 | 80 | 80 | 0 | 80 | 7153.73 | 112 |
| Nov 2017 | 38 | 52 | 3 | 55 | 55 | 0 | 55 | 7153.73 | 112 |
| Dec 2017 | 28 | 85 | 2 | 87 | 87 | 0 | 87 | 7153.73 | 112 |
| Jan 2018 | 27 | 55 | 2 | 57 | 57 | 0 | 57 | 7153.73 | 112 |
| Feb 2018 | 25 | 38 | 3 | 40 | 40 | 0 | 40 | 7153.73 | 112 |
| Mar 2018 | 40 | 44 | 4 | 48 | 48 | 0 | 48 | 7153.73 | 112 |
| Apr 2018 | 88 | 54 | 11 | 65 | 65 | 0 | 65 | 7153.73 | 112 |
| May 2018 | 247 | 139 | 26 | 165 | 165 | 0 | 165 | 7153.73 | 112 |
| Jun 2018 | 281 | 86 | 20 | 106 | 106 | 0 | 106 | 7153.73 | 112 |
| Jul 2018 | 123 | 118 | 6 | 124 | 124 | 0 | 124 | 7153.73 | 112 |
| Aug 2018 | 67 | 127 | 3 | 130 | 130 | 0 | 130 | 7153.73 | 112 |
| Sep 2018 | 41 | 108 | 3 | 111 | 111 | 0 | 111 | 7153.73 | 112 |
| WY 2018 | 1056 | 982 | 86 | 1069 | 1069 | 0 | 1069 | | |
| Oct 2018 | 41 | 68 | 3 | 70 | 70 | 0 | 70 | 7153.73 | 112 |
| Nov 2018 | 33 | 38 | 2 | 40 | 40 | 0 | 40 | 7153.73 | 112 |
| Dec 2018 | 28 | 64 | 2 | 66 | 66 | 0 | 66 | 7153.73 | 112 |
| Jan 2019 | 27 | 55 | 2 | 57 | 57 | 0 | 57 | 7153.73 | 112 |
| Feb 2019 | 25 | 44 | 3 | 46 | 46 | 0 | 46 | 7153.73 | 112 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 2017 24-Month Study

Most Probable Inflow*
Crystal Reservoir



| | | Unreg Inflow | Morrow Release | Side Inflow | Total Inflow | Power Release | Bypass Release | Total Release | Reservoir Elev | Live Storage | Tunnel Flow | Below Tunnel Flow |
|----------------|-------------|--------------|----------------|--------------|--------------|---------------|----------------|---------------|-------------------|--------------|--------------|-------------------|
| Date | | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | End of Month (Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) | (1000 Ac-Ft) |
| * Mar 2016 | 48 | 36 | 5 | 41 | 41 | 0 | 41 | 6752.32 | 17 | 2 | 41 | |
| H Apr 2016 | 92 | 71 | 9 | 80 | 80 | 0 | 80 | 6751.41 | 16 | 47 | 36 | |
| I May 2016 | 194 | 180 | 18 | 198 | 109 | 64 | 197 | 6753.13 | 17 | 51 | 154 | |
| S Jun 2016 | 344 | 52 | 41 | 93 | 74 | 20 | 93 | 6752.00 | 17 | 43 | 53 | |
| T Jul 2016 | 89 | 113 | 6 | 119 | 117 | 2 | 119 | 6750.04 | 16 | 64 | 58 | |
| O Aug 2016 | 62 | 111 | 4 | 114 | 114 | 0 | 114 | 6749.30 | 16 | 62 | 53 | |
| R Sep 2016 | 42 | 103 | 3 | 106 | 106 | 1 | 107 | 6747.05 | 15 | 59 | 47 | |
| WY 2016 | 1034 | 978 | 103 | 1081 | 811 | 243 | 1080 | | | 384 | 724 | |
| I Oct 2016 | 37 | 93 | 4 | 97 | 97 | 0 | 97 | 6747.92 | 15 | 57 | 39 | |
| C Nov 2016 | 31 | 35 | 3 | 38 | 37 | 0 | 37 | 6750.47 | 16 | 1 | 36 | |
| A Dec 2016 | 31 | 34 | 4 | 38 | 36 | 1 | 37 | 6751.45 | 17 | 0 | 37 | |
| L Jan 2017 | 35 | 33 | 4 | 37 | 36 | 2 | 37 | 6750.29 | 16 | 1 | 37 | |
| * Feb 2017 | 34 | 55 | 4 | 59 | 56 | 4 | 60 | 6749.56 | 16 | 0 | 60 | |
| Mar 2017 | 51 | 64 | 7 | 71 | 70 | 0 | 70 | 6753.04 | 17 | 5 | 65 | |
| Apr 2017 | 130 | 86 | 15 | 101 | 101 | 0 | 101 | 6753.04 | 17 | 30 | 71 | |
| May 2017 | 380 | 334 | 50 | 384 | 134 | 250 | 384 | 6753.04 | 17 | 55 | 329 | |
| Jun 2017 | 515 | 194 | 50 | 244 | 130 | 114 | 244 | 6753.04 | 17 | 60 | 184 | |
| Jul 2017 | 165 | 133 | 15 | 148 | 134 | 13 | 148 | 6753.04 | 17 | 65 | 83 | |
| Aug 2017 | 82 | 142 | 6 | 148 | 134 | 13 | 148 | 6753.04 | 17 | 65 | 83 | |
| Sep 2017 | 62 | 138 | 5 | 143 | 130 | 13 | 143 | 6753.04 | 17 | 55 | 88 | |
| WY 2017 | 1552 | 1340 | 167 | 1507 | 1095 | 411 | 1506 | | | 394 | 1111 | |
| Oct 2017 | 57 | 80 | 5 | 85 | 85 | 0 | 85 | 6753.04 | 17 | 30 | 55 | |
| Nov 2017 | 42 | 55 | 4 | 59 | 59 | 0 | 59 | 6753.04 | 17 | 0 | 59 | |
| Dec 2017 | 32 | 87 | 5 | 92 | 92 | 0 | 92 | 6753.04 | 17 | 0 | 92 | |
| Jan 2018 | 31 | 57 | 5 | 61 | 61 | 0 | 61 | 6753.04 | 17 | 0 | 61 | |
| Feb 2018 | 29 | 40 | 4 | 44 | 44 | 0 | 44 | 6753.04 | 17 | 0 | 44 | |
| Mar 2018 | 46 | 48 | 6 | 54 | 54 | 0 | 54 | 6753.04 | 17 | 5 | 49 | |
| Apr 2018 | 101 | 65 | 12 | 77 | 77 | 0 | 77 | 6753.04 | 17 | 30 | 47 | |
| May 2018 | 281 | 165 | 34 | 199 | 134 | 65 | 199 | 6753.04 | 17 | 55 | 144 | |
| Jun 2018 | 315 | 106 | 34 | 140 | 130 | 10 | 140 | 6753.04 | 17 | 60 | 80 | |
| Jul 2018 | 138 | 124 | 14 | 138 | 134 | 4 | 138 | 6753.04 | 17 | 65 | 73 | |
| Aug 2018 | 75 | 130 | 8 | 138 | 134 | 4 | 138 | 6753.04 | 17 | 65 | 73 | |
| Sep 2018 | 47 | 111 | 6 | 117 | 117 | 0 | 117 | 6753.04 | 17 | 55 | 62 | |
| WY 2018 | 1194 | 1069 | 139 | 1207 | 1124 | 83 | 1207 | | | 365 | 842 | |
| Oct 2018 | 47 | 70 | 6 | 76 | 76 | 0 | 76 | 6753.04 | 17 | 30 | 46 | |
| Nov 2018 | 38 | 40 | 5 | 45 | 45 | 0 | 45 | 6753.04 | 17 | 0 | 45 | |
| Dec 2018 | 32 | 66 | 5 | 71 | 71 | 0 | 71 | 6753.04 | 17 | 0 | 71 | |
| Jan 2019 | 31 | 57 | 5 | 61 | 61 | 0 | 61 | 6753.04 | 17 | 0 | 61 | |
| Feb 2019 | 29 | 46 | 4 | 50 | 50 | 0 | 50 | 6753.04 | 17 | 0 | 50 | |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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) |
| * Mar 2016 | 14 | 6 | 7652.71 | 94 |
| H Apr 2016 | 25 | 13 | 7657.23 | 105 |
| I May 2016 | 60 | 44 | 7663.23 | 121 |
| S Jun 2016 | 77 | 73 | 7664.30 | 124 |
| T Jul 2016 | 17 | 38 | 7656.15 | 102 |
| O Aug 2016 | 15 | 33 | 7648.82 | 84 |
| R Sep 2016 | 14 | 27 | 7643.21 | 71 |
| WY 2016 | 269 | 270 | | |
| I Oct 2016 | 11 | 8 | 7644.63 | 74 |
| C Nov 2016 | 6 | 2 | 7646.51 | 79 |
| A Dec 2016 | 6 | 2 | 7647.98 | 82 |
| L Jan 2017 | 7 | 5 | 7648.89 | 84 |
| * Feb 2017 | 7 | 15 | 7645.42 | 76 |
| Mar 2017 | 11 | 19 | 7641.93 | 68 |
| Apr 2017 | 24 | 18 | 7644.57 | 74 |
| May 2017 | 82 | 37 | 7662.64 | 119 |
| Jun 2017 | 90 | 84 | 7664.82 | 125 |
| Jul 2017 | 29 | 43 | 7659.18 | 110 |
| Aug 2017 | 19 | 38 | 7651.53 | 91 |
| Sep 2017 | 16 | 30 | 7645.63 | 77 |
| WY 2017 | 309 | 300 | | |
| Oct 2017 | 15 | 17 | 7644.47 | 74 |
| Nov 2017 | 9 | 2 | 7647.36 | 81 |
| Dec 2017 | 6 | 2 | 7649.23 | 85 |
| Jan 2018 | 5 | 2 | 7650.68 | 89 |
| Feb 2018 | 5 | 2 | 7651.90 | 92 |
| Mar 2018 | 9 | 2 | 7654.55 | 98 |
| Apr 2018 | 23 | 2 | 7662.74 | 119 |
| May 2018 | 71 | 65 | 7664.82 | 125 |
| Jun 2018 | 70 | 70 | 7664.82 | 125 |
| Jul 2018 | 29 | 42 | 7659.66 | 111 |
| Aug 2018 | 20 | 38 | 7652.37 | 93 |
| Sep 2018 | 17 | 30 | 7647.15 | 80 |
| WY 2018 | 280 | 273 | | |
| Oct 2018 | 16 | 17 | 7646.39 | 78 |
| Nov 2018 | 9 | 2 | 7649.32 | 85 |
| Dec 2018 | 6 | 2 | 7651.16 | 90 |
| Jan 2019 | 5 | 2 | 7652.58 | 93 |
| Feb 2019 | 5 | 2 | 7653.78 | 96 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 2017 24-Month Study

Most Probable Inflow*
Navajo Reservoir



| | Mod Unreg | Azetea | Reg | Evap | NIIP | Total | Reservoir Elev | Live | Farmington |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|
| | Inflow | Tunnel Div | Inflow | Losses | Diversion | Release | End of Month | Storage | 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) |
| * Mar 2016 | 81 | 6 | 67 | 2 | 4 | 25 | 6067.08 | 1441 | 57 |
| H Apr 2016 | 119 | 14 | 94 | 3 | 19 | 22 | 6070.75 | 1491 | 49 |
| I May 2016 | 209 | 28 | 165 | 4 | 12 | 91 | 6074.87 | 1549 | 158 |
| S Jun 2016 | 214 | 35 | 174 | 5 | 25 | 250 | 6067.29 | 1443 | 387 |
| T Jul 2016 | 24 | 4 | 40 | 5 | 37 | 79 | 6061.29 | 1364 | 105 |
| O Aug 2016 | 30 | 4 | 45 | 4 | 33 | 35 | 6059.16 | 1337 | 56 |
| R Sep 2016 | 21 | 1 | 33 | 3 | 27 | 30 | 6056.98 | 1310 | 41 |
| WY 2016 | 864 | 96 | 769 | 29 | 169 | 653 | | | 1066 |
| I Oct 2016 | 27 | 0 | 24 | 2 | 5 | 27 | 6056.19 | 1300 | 46 |
| C Nov 2016 | 24 | 0 | 19 | 1 | 0 | 22 | 6055.87 | 1296 | 43 |
| A Dec 2016 | 26 | 0 | 22 | 1 | 0 | 21 | 6055.92 | 1297 | 40 |
| L Jan 2017 | 35 | 0 | 32 | 1 | 0 | 23 | 6056.65 | 1306 | 40 |
| * Feb 2017 | 55 | 1 | 62 | 1 | 1 | 26 | 6059.31 | 1339 | 48 |
| Mar 2017 | 120 | 3 | 124 | 2 | 4 | 31 | 6066.05 | 1427 | 56 |
| Apr 2017 | 182 | 17 | 158 | 3 | 17 | 49 | 6072.62 | 1517 | 115 |
| May 2017 | 320 | 49 | 226 | 4 | 29 | 290 | 6065.57 | 1420 | 479 |
| Jun 2017 | 280 | 45 | 228 | 4 | 42 | 296 | 6056.71 | 1307 | 489 |
| Jul 2017 | 58 | 9 | 63 | 4 | 45 | 81 | 6051.16 | 1239 | 148 |
| Aug 2017 | 35 | 2 | 52 | 3 | 38 | 32 | 6049.31 | 1217 | 72 |
| Sep 2017 | 36 | 1 | 49 | 3 | 21 | 27 | 6049.16 | 1216 | 58 |
| WY 2017 | 1198 | 129 | 1060 | 27 | 203 | 924 | | | 1633 |
| Oct 2017 | 42 | 2 | 42 | 2 | 8 | 24 | 6049.97 | 1225 | 51 |
| Nov 2017 | 32 | 1 | 24 | 1 | 0 | 22 | 6050.05 | 1226 | 40 |
| Dec 2017 | 25 | 0 | 20 | 1 | 0 | 23 | 6049.77 | 1223 | 38 |
| Jan 2018 | 22 | 0 | 18 | 1 | 0 | 23 | 6049.32 | 1218 | 37 |
| Feb 2018 | 30 | 0 | 27 | 1 | 0 | 21 | 6049.79 | 1223 | 33 |
| Mar 2018 | 92 | 2 | 83 | 2 | 5 | 23 | 6054.25 | 1276 | 45 |
| Apr 2018 | 170 | 15 | 134 | 2 | 21 | 22 | 6061.33 | 1365 | 75 |
| May 2018 | 277 | 37 | 234 | 4 | 35 | 192 | 6061.52 | 1367 | 338 |
| Jun 2018 | 224 | 32 | 191 | 4 | 51 | 238 | 6053.31 | 1265 | 389 |
| Jul 2018 | 66 | 6 | 73 | 4 | 56 | 28 | 6052.03 | 1250 | 96 |
| Aug 2018 | 45 | 1 | 62 | 3 | 47 | 33 | 6050.20 | 1228 | 72 |
| Sep 2018 | 43 | 1 | 55 | 3 | 26 | 26 | 6050.19 | 1228 | 59 |
| WY 2018 | 1068 | 98 | 963 | 26 | 249 | 676 | | | 1273 |
| Oct 2018 | 47 | 2 | 47 | 2 | 10 | 23 | 6051.23 | 1240 | 51 |
| Nov 2018 | 34 | 1 | 26 | 1 | 0 | 22 | 6051.45 | 1243 | 40 |
| Dec 2018 | 25 | 0 | 20 | 1 | 0 | 23 | 6051.18 | 1240 | 38 |
| Jan 2019 | 22 | 0 | 18 | 1 | 0 | 23 | 6050.74 | 1234 | 37 |
| Feb 2019 | 30 | 0 | 27 | 1 | 0 | 21 | 6051.20 | 1240 | 33 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 2017 24-Month Study

Most Probable Inflow*

Lake Powell



| | Unreg | Regulated | Evap | PowerPlant | Bypass | Total | Reservoir Elev | Bank | EOM | Lees |
|----------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|
| | Inflow | Inflow | Losses | Release | Release | Release | End of Month | Storage | Storage | Ferry Gage |
| 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) | (1000 Ac-Ft) |
| * Mar 2016 | 553 | 486 | 14 | 694 | 0 | 694 | 3592.18 | 4935 | 11019 | 707 |
| H Apr 2016 | 814 | 681 | 22 | 665 | 0 | 665 | 3592.12 | 4935 | 11014 | 681 |
| I May 2016 | 2294 | 1925 | 26 | 700 | 0 | 700 | 3603.87 | 5024 | 12123 | 709 |
| S Jun 2016 | 2907 | 2618 | 46 | 800 | 0 | 800 | 3620.01 | 5155 | 13764 | 807 |
| T Jul 2016 | 595 | 804 | 58 | 950 | 0 | 950 | 3618.22 | 5140 | 13576 | 963 |
| O Aug 2016 | 253 | 432 | 56 | 900 | 0 | 900 | 3613.55 | 5101 | 13091 | 914 |
| R Sep 2016 | 281 | 461 | 50 | 699 | 0 | 699 | 3610.93 | 5080 | 12824 | 712 |
| WY 2016 | 9616 | 9909 | 378 | 9000 | 0 | 9000 | | | | 9117 |
| I Oct 2016 | 381 | 477 | 35 | 601 | 0 | 601 | 3609.48 | 5068 | 12678 | 610 |
| C Nov 2016 | 383 | 389 | 33 | 624 | 126 | 750 | 3605.81 | 5039 | 12313 | 754 |
| A Dec 2016 | 300 | 366 | 26 | 898 | 0 | 898 | 3600.49 | 4997 | 11797 | 913 |
| L Jan 2017 | 359 | 415 | 8 | 880 | 0 | 880 | 3595.86 | 4962 | 11359 | 900 |
| * Feb 2017 | 555 | 565 | 8 | 711 | 0 | 711 | 3594.33 | 4951 | 11217 | 720 |
| Mar 2017 | 870 | 811 | 14 | 720 | 0 | 720 | 3595.10 | 4957 | 11288 | 725 |
| Apr 2017 | 1500 | 1425 | 23 | 710 | 0 | 710 | 3601.87 | 5008 | 11929 | 718 |
| May 2017 | 3400 | 3243 | 29 | 1020 | 0 | 1020 | 3621.85 | 5171 | 13960 | 1026 |
| Jun 2017 | 4000 | 3514 | 52 | 1060 | 0 | 1060 | 3641.53 | 5348 | 16184 | 1066 |
| Jul 2017 | 1500 | 1426 | 67 | 1320 | 0 | 1320 | 3641.83 | 5351 | 16221 | 1335 |
| Aug 2017 | 650 | 715 | 65 | 1410 | 0 | 1410 | 3635.83 | 5295 | 15516 | 1424 |
| Sep 2017 | 450 | 576 | 58 | 991 | 0 | 991 | 3632.00 | 5260 | 15078 | 1000 |
| WY 2017 | 14348 | 13922 | 417 | 10945 | 126 | 11071 | | | | 11191 |
| Oct 2017 | 547 | 613 | 40 | 640 | 0 | 640 | 3631.45 | 5255 | 15016 | 646 |
| Nov 2017 | 489 | 565 | 38 | 640 | 0 | 640 | 3630.51 | 5247 | 14910 | 644 |
| Dec 2017 | 363 | 522 | 30 | 720 | 0 | 720 | 3628.62 | 5230 | 14699 | 726 |
| Jan 2018 | 361 | 489 | 9 | 760 | 0 | 760 | 3626.27 | 5209 | 14440 | 766 |
| Feb 2018 | 393 | 478 | 10 | 680 | 0 | 680 | 3624.48 | 5193 | 14243 | 682 |
| Mar 2018 | 665 | 646 | 17 | 710 | 0 | 710 | 3623.78 | 5187 | 14168 | 715 |
| Apr 2018 | 1056 | 919 | 27 | 640 | 0 | 640 | 3625.92 | 5206 | 14401 | 648 |
| May 2018 | 2343 | 2192 | 34 | 630 | 0 | 630 | 3638.41 | 5319 | 15816 | 636 |
| Jun 2018 | 2666 | 2387 | 57 | 660 | 0 | 660 | 3651.17 | 5443 | 17362 | 666 |
| Jul 2018 | 1091 | 1006 | 71 | 750 | 0 | 750 | 3652.53 | 5456 | 17533 | 765 |
| Aug 2018 | 500 | 611 | 71 | 800 | 0 | 800 | 3650.62 | 5437 | 17293 | 814 |
| Sep 2018 | 408 | 530 | 65 | 600 | 0 | 600 | 3649.62 | 5427 | 17168 | 609 |
| WY 2018 | 10882 | 10958 | 471 | 8230 | 0 | 8230 | | | | 8316 |
| Oct 2018 | 512 | 571 | 45 | 640 | 0 | 640 | 3648.76 | 5419 | 17062 | 646 |
| Nov 2018 | 473 | 515 | 43 | 640 | 0 | 640 | 3647.50 | 5406 | 16907 | 644 |
| Dec 2018 | 363 | 464 | 34 | 720 | 0 | 720 | 3645.31 | 5385 | 16639 | 726 |
| Jan 2019 | 361 | 452 | 11 | 1100 | 0 | 1100 | 3640.22 | 5336 | 16029 | 1106 |
| Feb 2019 | 393 | 451 | 11 | 970 | 0 | 970 | 3636.02 | 5297 | 15538 | 972 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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) |
|----------------|---------------------------|---|--------------------------|----------------------------|--------------------------|-----------------------|--------------------------------------|---------------------------|----------------------------------|--------------------------|
| * Mar 2016 | 694 | 31 | 31 | 1008 | 16.4 | 18 | 1007 | 653 | 1080.45 | 10048 |
| H Apr 2016 | 665 | 68 | 38 | 1055 | 17.7 | 18 | 1055 | 630 | 1076.13 | 9693 |
| I May 2016 | 700 | 50 | 43 | 887 | 14.4 | 22 | 885 | 618 | 1073.80 | 9504 |
| S Jun 2016 | 800 | 14 | 51 | 920 | 15.5 | 28 | 919 | 606 | 1071.64 | 9330 |
| T Jul 2016 | 950 | 70 | 64 | 831 | 13.5 | 30 | 830 | 612 | 1072.75 | 9419 |
| O Aug 2016 | 900 | 107 | 69 | 701 | 11.4 | 28 | 700 | 625 | 1075.17 | 9615 |
| R Sep 2016 | 699 | 88 | 57 | 702 | 11.8 | 22 | 701 | 625 | 1075.23 | 9620 |
| WY 2016 | 9000 | 798 | 531 | 9293 | | 224 | 9282 | | | |
| I Oct 2016 | 601 | 78 | 42 | 518 | 8.4 | 23 | 517 | 631 | 1076.34 | 9710 |
| C Nov 2016 | 750 | 77 | 42 | 751 | 12.6 | 16 | 750 | 632 | 1076.55 | 9727 |
| A Dec 2016 | 898 | 63 | 36 | 542 | 8.8 | 8 | 536 | 655 | 1080.82 | 10079 |
| L Jan 2017 | 880 | 128 | 30 | 500 | 8.1 | 8 | 494 | 684 | 1086.08 | 10521 |
| * Feb 2017 | 711 | 148 | 28 | 488 | 8.8 | 6 | 487 | 704 | 1089.78 | 10838 |
| Mar 2017 | 720 | 46 | 32 | 880 | 14.3 | 16 | 880 | 695 | 1088.01 | 10686 |
| Apr 2017 | 710 | 39 | 39 | 998 | 16.8 | 23 | 998 | 676 | 1084.57 | 10393 |
| May 2017 | 1020 | 26 | 45 | 901 | 14.7 | 28 | 901 | 680 | 1085.37 | 10461 |
| Jun 2017 | 1060 | 10 | 54 | 821 | 13.8 | 29 | 821 | 690 | 1087.19 | 10616 |
| Jul 2017 | 1320 | 77 | 69 | 790 | 12.9 | 32 | 790 | 721 | 1092.70 | 11091 |
| Aug 2017 | 1410 | 127 | 75 | 726 | 11.8 | 30 | 726 | 764 | 1100.21 | 11754 |
| Sep 2017 | 991 | 110 | 63 | 791 | 13.3 | 27 | 791 | 777 | 1102.52 | 11961 |
| WY 2017 | 11071 | 931 | 554 | 8708 | | 246 | 8693 | | | |
| Oct 2017 | 640 | 71 | 46 | 608 | 9.9 | 22 | 608 | 780 | 1102.88 | 11994 |
| Nov 2017 | 640 | 65 | 46 | 767 | 12.9 | 14 | 767 | 772 | 1101.61 | 11879 |
| Dec 2017 | 720 | 51 | 40 | 728 | 11.8 | 10 | 728 | 772 | 1101.53 | 11873 |
| Jan 2018 | 760 | 64 | 32 | 721 | 11.7 | 7 | 721 | 776 | 1102.20 | 11932 |
| Feb 2018 | 680 | 72 | 30 | 612 | 11.0 | 8 | 612 | 782 | 1103.26 | 12028 |
| Mar 2018 | 710 | 46 | 33 | 1040 | 16.9 | 16 | 1040 | 761 | 1099.77 | 11715 |
| Apr 2018 | 640 | 39 | 41 | 1100 | 18.5 | 23 | 1100 | 732 | 1094.62 | 11260 |
| May 2018 | 630 | 26 | 46 | 971 | 15.8 | 29 | 971 | 708 | 1090.43 | 10894 |
| Jun 2018 | 660 | 10 | 55 | 868 | 14.6 | 29 | 868 | 691 | 1087.35 | 10629 |
| Jul 2018 | 750 | 77 | 68 | 828 | 13.5 | 32 | 828 | 685 | 1086.24 | 10534 |
| Aug 2018 | 800 | 127 | 72 | 771 | 12.5 | 30 | 771 | 688 | 1086.82 | 10584 |
| Sep 2018 | 600 | 110 | 59 | 700 | 11.8 | 27 | 700 | 683 | 1085.99 | 10513 |
| WY 2018 | 8230 | 757 | 568 | 9713 | | 248 | 9713 | | | |
| Oct 2018 | 640 | 71 | 43 | 493 | 8.0 | 22 | 493 | 693 | 1087.66 | 10656 |
| Nov 2018 | 640 | 65 | 44 | 638 | 10.7 | 14 | 638 | 693 | 1087.76 | 10664 |
| Dec 2018 | 720 | 51 | 38 | 596 | 9.7 | 11 | 596 | 701 | 1089.14 | 10783 |
| Jan 2019 | 1100 | 64 | 31 | 726 | 11.8 | 7 | 726 | 725 | 1093.46 | 11158 |
| Feb 2019 | 970 | 72 | 29 | 613 | 11.0 | 9 | 613 | 749 | 1097.63 | 11525 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 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) |
|----------------|----------|--------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|--|-----------------------------|
| * | Mar 2016 | 1008 | -16 | 13 | 921 | 0 | 921 | 15.0 | 643.17 | 1703 |
| H | Apr 2016 | 1055 | -18 | 17 | 979 | 0 | 979 | 16.4 | 644.70 | 1746 |
| I | May 2016 | 887 | -6 | 22 | 903 | 0 | 903 | 14.7 | 643.07 | 1701 |
| S | Jun 2016 | 920 | -16 | 26 | 838 | 0 | 838 | 14.1 | 644.53 | 1741 |
| T | Jul 2016 | 831 | -24 | 26 | 803 | 0 | 803 | 13.1 | 643.75 | 1719 |
| O | Aug 2016 | 701 | -12 | 23 | 714 | 0 | 714 | 11.6 | 642.00 | 1671 |
| R | Sep 2016 | 702 | -18 | 18 | 711 | 0 | 711 | 11.9 | 640.34 | 1627 |
| WY 2016 | | 9293 | -195 | 198 | 8879 | 0 | 8879 | | | |
| I | Oct 2016 | 518 | -7 | 15 | 640 | 0 | 640 | 10.4 | 634.86 | 1482 |
| C | Nov 2016 | 751 | -29 | 11 | 574 | 0 | 574 | 9.6 | 640.09 | 1620 |
| A | Dec 2016 | 542 | -17 | 9 | 482 | 0 | 482 | 7.8 | 641.31 | 1653 |
| L | Jan 2017 | 500 | -23 | 10 | 408 | 0 | 408 | 6.6 | 643.47 | 1712 |
| * | Feb 2017 | 488 | -13 | 10 | 486 | 0 | 486 | 8.7 | 642.70 | 1690 |
| | Mar 2017 | 880 | -16 | 13 | 856 | 0 | 856 | 13.9 | 642.50 | 1685 |
| | Apr 2017 | 998 | -20 | 17 | 948 | 0 | 948 | 15.9 | 643.00 | 1699 |
| | May 2017 | 901 | -13 | 22 | 866 | 0 | 866 | 14.1 | 643.00 | 1699 |
| | Jun 2017 | 821 | -18 | 25 | 806 | 0 | 806 | 13.5 | 642.00 | 1671 |
| | Jul 2017 | 790 | -16 | 25 | 763 | 0 | 763 | 12.4 | 641.50 | 1658 |
| | Aug 2017 | 726 | -12 | 23 | 691 | 0 | 691 | 11.2 | 641.50 | 1658 |
| | Sep 2017 | 791 | -11 | 18 | 802 | 0 | 802 | 13.5 | 640.01 | 1617 |
| WY 2017 | | 8708 | -196 | 198 | 8323 | 0 | 8323 | | | |
| | Oct 2017 | 608 | -4 | 15 | 772 | 0 | 772 | 12.6 | 633.00 | 1434 |
| | Nov 2017 | 767 | -11 | 10 | 694 | 0 | 694 | 11.7 | 635.00 | 1486 |
| | Dec 2017 | 728 | -10 | 9 | 612 | 0 | 612 | 9.9 | 638.71 | 1583 |
| | Jan 2018 | 721 | -19 | 10 | 609 | 0 | 609 | 9.9 | 641.80 | 1666 |
| | Feb 2018 | 612 | -16 | 10 | 586 | 0 | 586 | 10.6 | 641.80 | 1666 |
| | Mar 2018 | 1040 | -16 | 13 | 976 | 0 | 976 | 15.9 | 643.05 | 1700 |
| | Apr 2018 | 1100 | -20 | 17 | 1064 | 0 | 1064 | 17.9 | 643.00 | 1699 |
| | May 2018 | 971 | -13 | 22 | 936 | 0 | 936 | 15.2 | 643.00 | 1699 |
| | Jun 2018 | 868 | -18 | 25 | 852 | 0 | 852 | 14.3 | 642.00 | 1671 |
| | Jul 2018 | 828 | -16 | 25 | 800 | 0 | 800 | 13.0 | 641.50 | 1658 |
| | Aug 2018 | 771 | -12 | 23 | 736 | 0 | 736 | 12.0 | 641.50 | 1658 |
| | Sep 2018 | 700 | -11 | 18 | 711 | 0 | 711 | 11.9 | 640.01 | 1617 |
| WY 2018 | | 9713 | -166 | 197 | 9349 | 0 | 9349 | | | |
| | Oct 2018 | 493 | -4 | 15 | 658 | 0 | 658 | 10.7 | 633.00 | 1434 |
| | Nov 2018 | 638 | -11 | 10 | 565 | 0 | 565 | 9.5 | 635.00 | 1486 |
| | Dec 2018 | 596 | -10 | 9 | 480 | 0 | 480 | 7.8 | 638.71 | 1583 |
| | Jan 2019 | 726 | -19 | 10 | 614 | 0 | 614 | 10.0 | 641.80 | 1666 |
| | Feb 2019 | 613 | -16 | 10 | 588 | 0 | 588 | 10.6 | 641.80 | 1666 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 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) |
|----------------|----------|-------------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-------------------------------|--|-----------------------------|--------------------------------|------------------------------|
| * | Mar 2016 | 921 | 18 | 9 | 695 | 11.3 | 89 | 123 | 447.40 | 569 | 221 | 3.6 |
| H | Apr 2016 | 979 | 18 | 11 | 689 | 11.6 | 93 | 169 | 448.89 | 597 | 202 | 3.4 |
| I | May 2016 | 903 | 13 | 13 | 636 | 10.3 | 97 | 176 | 448.08 | 581 | 97 | 1.6 |
| S | Jun 2016 | 838 | 18 | 15 | 633 | 10.6 | 95 | 89 | 448.81 | 596 | 92 | 1.5 |
| T | Jul 2016 | 803 | 20 | 17 | 617 | 10.0 | 100 | 74 | 449.03 | 600 | 102 | 1.7 |
| O | Aug 2016 | 714 | 23 | 17 | 570 | 9.3 | 85 | 65 | 448.50 | 590 | 99 | 1.6 |
| R | Sep 2016 | 711 | 14 | 15 | 490 | 8.2 | 89 | 134 | 447.97 | 579 | 92 | 1.5 |
| WY 2016 | | 8879 | 225 | 140 | 6360 | | 1057 | 1467 | | | 1496 | |
| I | Oct 2016 | 640 | 36 | 12 | 466 | 7.6 | 80 | 133 | 446.90 | 559 | 61 | 1.0 |
| C | Nov 2016 | 574 | 21 | 9 | 374 | 6.3 | 78 | 140 | 446.33 | 549 | 97 | 1.6 |
| A | Dec 2016 | 482 | 26 | 7 | 271 | 4.4 | 86 | 118 | 447.64 | 573 | 112 | 1.8 |
| L | Jan 2017 | 408 | 33 | 6 | 244 | 4.0 | 68 | 126 | 447.29 | 567 | 126 | 2.1 |
| * | Feb 2017 | 486 | 15 | 8 | 393 | 7.1 | 13 | 62 | 448.30 | 586 | 160 | 2.9 |
| | Mar 2017 | 856 | 7 | 9 | 707 | 11.5 | 26 | 128 | 447.50 | 571 | 203 | 3.3 |
| | Apr 2017 | 948 | 19 | 11 | 739 | 12.4 | 41 | 155 | 448.00 | 580 | 175 | 2.9 |
| | May 2017 | 866 | 15 | 13 | 634 | 10.3 | 44 | 165 | 448.70 | 593 | 104 | 1.7 |
| | Jun 2017 | 806 | 15 | 16 | 666 | 11.2 | 41 | 85 | 448.70 | 593 | 105 | 1.8 |
| | Jul 2017 | 763 | 26 | 17 | 643 | 10.5 | 57 | 72 | 448.00 | 580 | 111 | 1.8 |
| | Aug 2017 | 691 | 25 | 17 | 570 | 9.3 | 57 | 72 | 447.50 | 571 | 100 | 1.6 |
| | Sep 2017 | 802 | 20 | 15 | 522 | 8.8 | 101 | 176 | 447.50 | 570 | 89 | 1.5 |
| WY 2017 | | 8323 | 257 | 140 | 6230 | | 690 | 1433 | | | 1444 | |
| | Oct 2017 | 772 | 28 | 12 | 498 | 8.1 | 102 | 180 | 447.50 | 571 | 74 | 1.2 |
| | Nov 2017 | 694 | 19 | 9 | 417 | 7.0 | 101 | 181 | 447.50 | 571 | 119 | 2.0 |
| | Dec 2017 | 612 | 19 | 7 | 355 | 5.8 | 102 | 181 | 446.50 | 552 | 140 | 2.3 |
| | Jan 2018 | 609 | 17 | 6 | 361 | 5.9 | 96 | 158 | 446.50 | 552 | 138 | 2.2 |
| | Feb 2018 | 586 | 10 | 8 | 477 | 8.6 | 30 | 74 | 446.50 | 552 | 160 | 2.9 |
| | Mar 2018 | 976 | 7 | 9 | 713 | 11.6 | 96 | 153 | 446.70 | 555 | 198 | 3.2 |
| | Apr 2018 | 1064 | 19 | 11 | 745 | 12.5 | 94 | 184 | 448.70 | 593 | 175 | 2.9 |
| | May 2018 | 936 | 15 | 13 | 640 | 10.4 | 96 | 190 | 448.70 | 593 | 104 | 1.7 |
| | Jun 2018 | 852 | 15 | 16 | 671 | 11.3 | 94 | 74 | 448.70 | 593 | 105 | 1.8 |
| | Jul 2018 | 800 | 26 | 17 | 639 | 10.4 | 96 | 74 | 448.00 | 580 | 111 | 1.8 |
| | Aug 2018 | 736 | 25 | 17 | 573 | 9.3 | 96 | 74 | 447.50 | 571 | 100 | 1.6 |
| | Sep 2018 | 711 | 20 | 15 | 510 | 8.6 | 39 | 158 | 447.50 | 570 | 89 | 1.5 |
| WY 2018 | | 9349 | 220 | 139 | 6600 | | 1043 | 1681 | | | 1512 | |
| | Oct 2018 | 658 | 28 | 12 | 486 | 7.9 | 32 | 148 | 447.50 | 571 | 74 | 1.2 |
| | Nov 2018 | 565 | 19 | 9 | 390 | 6.5 | 32 | 148 | 447.50 | 571 | 116 | 1.9 |
| | Dec 2018 | 480 | 19 | 7 | 326 | 5.3 | 32 | 148 | 446.50 | 552 | 131 | 2.1 |
| | Jan 2019 | 614 | 17 | 6 | 360 | 5.8 | 104 | 157 | 446.50 | 552 | 138 | 2.2 |
| | Feb 2019 | 588 | 10 | 8 | 475 | 8.6 | 35 | 73 | 446.50 | 552 | 160 | 2.9 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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 |
|----------------|----------|----------------------------|--------------------------|----------------------------------|--------------------------|--------------------------------|-------------------------|------------------------|--------------------------|----------------------------|--------|
| * | Mar 2016 | 1008 | 16.4 | 1080.45 | 10048 | -311 | 434.20 | 973.0 | 402.7 | 61 | 399.7 |
| H | Apr 2016 | 1055 | 17.7 | 1076.13 | 9693 | -355 | 429.37 | 1244.0 | 413.9 | 80 | 392.2 |
| I | May 2016 | 887 | 14.4 | 1073.80 | 9504 | -189 | 426.83 | 1164.0 | 343.6 | 74 | 387.5 |
| S | Jun 2016 | 920 | 15.5 | 1071.64 | 9330 | -174 | 425.27 | 1528.0 | 349.7 | 100 | 380.2 |
| T | Jul 2016 | 831 | 13.5 | 1072.75 | 9419 | 89 | 427.46 | 1528.0 | 311.5 | 100 | 374.8 |
| O | Aug 2016 | 701 | 11.4 | 1075.17 | 9615 | 196 | 431.00 | 1549.0 | 265.2 | 100 | 378.4 |
| R | Sep 2016 | 702 | 11.8 | 1075.23 | 9620 | 5 | 429.97 | 1539.0 | 266.3 | 100 | 379.1 |
| WY 2016 | | 9293 | | | | | | | 3596.9 | | |
| I | Oct 2016 | 518 | 8.4 | 1076.34 | 9710 | 90 | 438.10 | 1335.0 | 195.2 | 87 | 377.1 |
| C | Nov 2016 | 751 | 12.6 | 1076.55 | 9727 | 17 | 427.42 | 1072.0 | 290.6 | 80 | 386.7 |
| A | Dec 2016 | 542 | 8.8 | 1080.82 | 10079 | 352 | 438.26 | 1103.0 | 207.3 | 71 | 382.3 |
| L | Jan 2017 | 500 | 8.1 | 1086.08 | 10521 | 442 | 442.12 | 857.0 | 192.4 | 55 | 384.9 |
| * | Feb 2017 | 488 | 8.8 | 1089.78 | 10838 | 317 | 446.75 | 938.0 | 190.4 | 58 | 390.4 |
| | Mar 2017 | 880 | 14.3 | 1088.01 | 10686 | -152 | 437.81 | 1291.1 | 355.6 | 79 | 403.9 |
| | Apr 2017 | 998 | 16.8 | 1084.57 | 10393 | -293 | 435.55 | 1227.0 | 397.0 | 76 | 397.7 |
| | May 2017 | 901 | 14.7 | 1085.37 | 10461 | 68 | 433.57 | 1251.0 | 354.7 | 80 | 393.6 |
| | Jun 2017 | 821 | 13.8 | 1087.19 | 10616 | 155 | 433.07 | 1549.0 | 324.6 | 100 | 395.2 |
| | Jul 2017 | 790 | 12.9 | 1092.70 | 11091 | 475 | 437.20 | 1550.0 | 312.9 | 100 | 395.9 |
| | Aug 2017 | 726 | 11.8 | 1100.21 | 11754 | 663 | 443.82 | 1562.0 | 288.7 | 100 | 397.4 |
| | Sep 2017 | 791 | 13.3 | 1102.52 | 11961 | 207 | 449.17 | 1562.0 | 322.3 | 100 | 407.3 |
| WY 2017 | | 8708 | | | | | | | 3431.6 | | |
| | Oct 2017 | 608 | 9.9 | 1102.88 | 11994 | 33 | 455.43 | 1166.9 | 247.6 | 74 | 407.4 |
| | Nov 2017 | 767 | 12.9 | 1101.61 | 11879 | -115 | 458.05 | 1050.9 | 321.7 | 67 | 419.4 |
| | Dec 2017 | 728 | 11.8 | 1101.53 | 11873 | -7 | 456.02 | 980.0 | 301.8 | 63 | 414.7 |
| | Jan 2018 | 721 | 11.7 | 1102.20 | 11932 | 60 | 454.06 | 991.0 | 297.2 | 63 | 412.5 |
| | Feb 2018 | 612 | 11.0 | 1103.26 | 12028 | 96 | 453.92 | 996.9 | 250.1 | 63 | 409.0 |
| | Mar 2018 | 1040 | 16.9 | 1099.77 | 11715 | -313 | 452.26 | 994.0 | 435.5 | 63 | 418.8 |
| | Apr 2018 | 1100 | 18.5 | 1094.62 | 11260 | -455 | 448.26 | 878.1 | 467.5 | 57 | 425.1 |
| | May 2018 | 971 | 15.8 | 1090.43 | 10894 | -365 | 440.25 | 1345.0 | 389.7 | 88 | 401.4 |
| | Jun 2018 | 868 | 14.6 | 1087.35 | 10629 | -265 | 435.66 | 1518.0 | 339.6 | 100 | 391.3 |
| | Jul 2018 | 828 | 13.5 | 1086.24 | 10534 | -95 | 434.07 | 1518.0 | 327.2 | 100 | 395.1 |
| | Aug 2018 | 771 | 12.5 | 1086.82 | 10584 | 50 | 433.97 | 1604.1 | 302.4 | 100 | 392.0 |
| | Sep 2018 | 700 | 11.8 | 1085.99 | 10513 | -71 | 434.33 | 1601.8 | 272.5 | 100 | 389.4 |
| WY 2018 | | 9713 | | | | | | | 3953.0 | | |
| | Oct 2018 | 493 | 8.0 | 1087.66 | 10656 | 143 | 439.64 | 1196.9 | 195.9 | 74 | 397.1 |
| | Nov 2018 | 638 | 10.7 | 1087.76 | 10664 | 9 | 443.58 | 1081.7 | 253.9 | 67 | 397.9 |
| | Dec 2018 | 596 | 9.7 | 1089.14 | 10783 | 119 | 442.95 | 1012.3 | 238.0 | 63 | 399.3 |
| | Jan 2019 | 726 | 11.8 | 1093.46 | 11158 | 375 | 443.54 | 1031.7 | 293.5 | 63 | 404.3 |
| | Feb 2019 | 613 | 11.0 | 1097.63 | 11525 | 367 | 446.77 | 1044.9 | 247.4 | 63 | 403.4 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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 |
|----------------|----------|----------------------------|--------------------------|----------------------------------|--------------------------|--------------------------------|------------------------|-----------------------|-------------------------|----------------------------|--------|
| * | Mar 2016 | 921 | 15.0 | 643.17 | 1703 | 58 | 139.07 | 214.2 | 117.9 | 84 | 128.0 |
| H | Apr 2016 | 979 | 16.4 | 644.70 | 1746 | 42 | 143.66 | 255.0 | 125.4 | 100 | 128.2 |
| I | May 2016 | 903 | 14.7 | 643.07 | 1701 | -45 | 141.63 | 252.5 | 115.5 | 99 | 127.8 |
| S | Jun 2016 | 838 | 14.1 | 644.53 | 1741 | 40 | 143.17 | 255.0 | 107.4 | 100 | 128.1 |
| T | Jul 2016 | 803 | 13.1 | 643.75 | 1719 | -22 | 144.39 | 252.5 | 103.3 | 99 | 128.6 |
| O | Aug 2016 | 714 | 11.6 | 642.00 | 1671 | -48 | 142.46 | 255.0 | 91.6 | 100 | 128.4 |
| R | Sep 2016 | 711 | 11.9 | 640.34 | 1627 | -45 | 138.91 | 255.0 | 90.5 | 100 | 127.3 |
| WY 2016 | | 8879 | | | | | | | 1129.0 | | |
| I | Oct 2016 | 640 | 10.4 | 634.86 | 1482 | -144 | 135.70 | 201.5 | 79.3 | 79 | 123.8 |
| C | Nov 2016 | 574 | 9.6 | 640.09 | 1620 | 138 | 140.91 | 170.9 | 71.1 | 67 | 123.8 |
| A | Dec 2016 | 482 | 7.8 | 641.31 | 1653 | 33 | 138.48 | 168.3 | 61.4 | 66 | 127.3 |
| L | Jan 2017 | 408 | 6.6 | 643.47 | 1712 | 59 | 143.95 | 164.5 | 54.6 | 65 | 133.8 |
| * | Feb 2017 | 486 | 8.7 | 642.70 | 1690 | -21 | 141.54 | 162.1 | 63.8 | 64 | 131.4 |
| | Mar 2017 | 856 | 13.9 | 642.50 | 1685 | -5 | 137.33 | 194.1 | 107.2 | 76 | 125.3 |
| | Apr 2017 | 948 | 15.9 | 643.00 | 1699 | 14 | 135.78 | 255.0 | 118.3 | 100 | 124.8 |
| | May 2017 | 866 | 14.1 | 643.00 | 1699 | 0 | 136.04 | 255.0 | 108.8 | 100 | 125.6 |
| | Jun 2017 | 806 | 13.5 | 642.00 | 1671 | -27 | 135.51 | 255.0 | 100.9 | 100 | 125.3 |
| | Jul 2017 | 763 | 12.4 | 641.50 | 1658 | -14 | 134.73 | 255.0 | 95.3 | 100 | 125.0 |
| | Aug 2017 | 691 | 11.2 | 641.50 | 1658 | 0 | 134.46 | 255.0 | 86.5 | 100 | 125.2 |
| | Sep 2017 | 802 | 13.5 | 640.01 | 1617 | -40 | 133.68 | 255.0 | 99.3 | 100 | 123.7 |
| WY 2017 | | 8323 | | | | | | | 1046.5 | | |
| | Oct 2017 | 772 | 12.6 | 633.00 | 1434 | -183 | 130.74 | 202.3 | 92.8 | 79 | 120.2 |
| | Nov 2017 | 694 | 11.7 | 635.00 | 1486 | 51 | 129.19 | 170.0 | 82.1 | 67 | 118.3 |
| | Dec 2017 | 612 | 9.9 | 638.71 | 1583 | 97 | 132.25 | 167.8 | 74.3 | 66 | 121.5 |
| | Jan 2018 | 609 | 9.9 | 641.80 | 1666 | 83 | 134.43 | 210.6 | 75.8 | 83 | 124.5 |
| | Feb 2018 | 586 | 10.6 | 641.80 | 1666 | 0 | 136.73 | 187.6 | 73.7 | 74 | 125.7 |
| | Mar 2018 | 976 | 15.9 | 643.05 | 1700 | 34 | 137.26 | 190.8 | 121.5 | 75 | 124.5 |
| | Apr 2018 | 1064 | 17.9 | 643.00 | 1699 | -2 | 136.07 | 255.0 | 132.5 | 100 | 124.4 |
| | May 2018 | 936 | 15.2 | 643.00 | 1699 | 0 | 136.04 | 255.0 | 117.2 | 100 | 125.2 |
| | Jun 2018 | 852 | 14.3 | 642.00 | 1671 | -27 | 135.51 | 255.0 | 106.6 | 100 | 125.0 |
| | Jul 2018 | 800 | 13.0 | 641.50 | 1658 | -14 | 134.73 | 255.0 | 99.9 | 100 | 124.8 |
| | Aug 2018 | 736 | 12.0 | 641.50 | 1658 | 0 | 134.46 | 255.0 | 92.0 | 100 | 124.9 |
| | Sep 2018 | 711 | 11.9 | 640.01 | 1617 | -40 | 133.68 | 255.0 | 88.3 | 100 | 124.3 |
| WY 2018 | | 9349 | | | | | | | 1156.6 | | |
| | Oct 2018 | 658 | 10.7 | 633.00 | 1434 | -183 | 130.74 | 202.3 | 79.5 | 79 | 120.9 |
| | Nov 2018 | 565 | 9.5 | 635.00 | 1486 | 51 | 129.19 | 170.0 | 67.3 | 67 | 119.1 |
| | Dec 2018 | 480 | 7.8 | 638.71 | 1583 | 97 | 132.25 | 167.8 | 58.7 | 66 | 122.3 |
| | Jan 2019 | 614 | 10.0 | 641.80 | 1666 | 83 | 134.43 | 210.6 | 76.5 | 83 | 124.5 |
| | Feb 2019 | 588 | 10.6 | 641.80 | 1666 | 0 | 136.73 | 187.6 | 73.8 | 74 | 125.7 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

March 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 |
|----------------|----------------------------|--------------------------|----------------------------------|--------------------------|--------------------------------|-------------------------|------------------------|--------------------------|----------------------------|--------|
| * Mar 2016 | 695 | 11.3 | 447.40 | 569 | 17 | 81.63 | 104.4 | 48.9 | 87 | 70.3 |
| H Apr 2016 | 689 | 11.6 | 448.89 | 597 | 28 | 83.09 | 120.0 | 48.4 | 100 | 70.3 |
| I May 2016 | 636 | 10.3 | 448.08 | 581 | -15 | 82.13 | 120.0 | 45.1 | 100 | 70.9 |
| S Jun 2016 | 633 | 10.6 | 448.81 | 596 | 14 | 83.02 | 120.0 | 44.8 | 100 | 70.8 |
| T Jul 2016 | 617 | 10.0 | 449.03 | 600 | 4 | 83.16 | 120.0 | 43.7 | 100 | 70.9 |
| O Aug 2016 | 570 | 9.3 | 448.50 | 590 | -10 | 82.60 | 120.0 | 40.2 | 100 | 70.7 |
| R Sep 2016 | 490 | 8.2 | 447.97 | 579 | -10 | 82.24 | 120.0 | 34.7 | 100 | 70.9 |
| WY 2016 | 6345 | | | | | | | 447.6 | | |
| I Oct 2016 | 466 | 7.6 | 446.90 | 559 | -20 | 78.88 | 93.6 | 32.8 | 78 | 70.5 |
| C Nov 2016 | 374 | 6.3 | 446.33 | 549 | -11 | 80.55 | 90.0 | 26.0 | 75 | 69.6 |
| A Dec 2016 | 271 | 4.4 | 447.64 | 573 | 24 | 83.20 | 117.6 | 17.9 | 98 | 65.9 |
| L Jan 2017 | 244 | 4.0 | 447.29 | 567 | -6 | 81.95 | 93.9 | 16.2 | 78 | 66.5 |
| * Feb 2017 | 393 | 7.1 | 448.30 | 586 | 19 | 82.67 | 90.0 | 27.9 | 75 | 71.0 |
| Mar 2017 | 707 | 11.5 | 447.50 | 571 | -15 | 76.68 | 90.0 | 47.6 | 75 | 67.3 |
| Apr 2017 | 739 | 12.4 | 448.00 | 580 | 9 | 75.43 | 113.0 | 48.9 | 94 | 66.2 |
| May 2017 | 634 | 10.3 | 448.70 | 593 | 13 | 75.71 | 120.0 | 41.9 | 100 | 66.0 |
| Jun 2017 | 666 | 11.2 | 448.70 | 593 | 0 | 76.05 | 120.0 | 44.3 | 100 | 66.4 |
| Jul 2017 | 643 | 10.5 | 448.00 | 580 | -13 | 75.71 | 120.0 | 42.5 | 100 | 66.0 |
| Aug 2017 | 570 | 9.3 | 447.50 | 571 | -9 | 75.13 | 120.0 | 37.2 | 100 | 65.3 |
| Sep 2017 | 522 | 8.8 | 447.50 | 570 | 0 | 75.69 | 102.0 | 34.3 | 85 | 65.8 |
| WY 2017 | 6230 | | | | | | | 417.6 | | |
| Oct 2017 | 498 | 8.1 | 447.50 | 571 | 0 | 74.97 | 118.1 | 32.3 | 98 | 64.9 |
| Nov 2017 | 417 | 7.0 | 447.50 | 571 | 0 | 75.93 | 97.0 | 27.3 | 81 | 65.3 |
| Dec 2017 | 355 | 5.8 | 446.50 | 552 | -19 | 74.40 | 120.0 | 22.5 | 100 | 63.5 |
| Jan 2018 | 361 | 5.9 | 446.50 | 552 | 0 | 74.88 | 98.7 | 23.1 | 82 | 64.0 |
| Feb 2018 | 477 | 8.6 | 446.50 | 552 | 0 | 75.04 | 95.4 | 31.2 | 79 | 65.3 |
| Mar 2018 | 713 | 11.6 | 446.70 | 555 | 4 | 74.01 | 120.0 | 46.3 | 100 | 65.0 |
| Apr 2018 | 745 | 12.5 | 448.70 | 593 | 38 | 75.08 | 120.0 | 49.1 | 100 | 65.9 |
| May 2018 | 640 | 10.4 | 448.70 | 593 | 0 | 76.05 | 120.0 | 42.4 | 100 | 66.3 |
| Jun 2018 | 671 | 11.3 | 448.70 | 593 | 0 | 76.05 | 120.0 | 44.6 | 100 | 66.5 |
| Jul 2018 | 639 | 10.4 | 448.00 | 580 | -13 | 75.71 | 120.0 | 42.2 | 100 | 66.0 |
| Aug 2018 | 573 | 9.3 | 447.50 | 571 | -9 | 75.13 | 120.0 | 37.5 | 100 | 65.4 |
| Sep 2018 | 510 | 8.6 | 447.50 | 570 | 0 | 75.73 | 101.0 | 33.5 | 84 | 65.8 |
| WY 2018 | 6600 | | | | | | | 432.0 | | |
| Oct 2018 | 486 | 7.9 | 447.50 | 571 | 0 | 75.01 | 117.1 | 31.5 | 98 | 64.9 |
| Nov 2018 | 390 | 6.5 | 447.50 | 571 | 0 | 75.83 | 99.0 | 25.3 | 83 | 65.0 |
| Dec 2018 | 326 | 5.3 | 446.50 | 552 | -19 | 74.40 | 120.0 | 20.6 | 100 | 63.2 |
| Jan 2019 | 360 | 5.8 | 446.50 | 552 | 0 | 75.02 | 95.8 | 23.0 | 80 | 64.1 |
| Feb 2019 | 475 | 8.6 | 446.50 | 552 | 0 | 75.21 | 92.1 | 31.1 | 77 | 65.5 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 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 |
|--------------------|--------------------------|----------------------------|------------------------|---------------------------|--------------------------------|-----------------------------------|
| * Mar 2016 | 298 | 20 | 10 | 11 | 7 | 4 |
| Winter 2016 | 1871 | 274 | 100 | 118 | 38 | 23 |
| H Apr 2016 | 288 | 19 | 18 | 25 | 16 | 4 |
| I May 2016 | 305 | 20 | 38 | 61 | 21 | 7 |
| S Jun 2016 | 360 | 105 | 14 | 18 | 15 | 9 |
| T Jul 2016 | 435 | 46 | 34 | 40 | 22 | 6 |
| O Aug 2016 | 408 | 44 | 33 | 39 | 22 | 6 |
| R Sep 2016 | 315 | 42 | 30 | 36 | 20 | 3 |
| Summer 2016 | 2111 | 276 | 166 | 218 | 116 | 34 |
| I Oct 2016 | 269 | 33 | 26 | 33 | 19 | 0 |
| C Nov 2016 | 277 | 30 | 9 | 11 | 6 | 0 |
| A Dec 2016 | 395 | 41 | 10 | 11 | 6 | 0 |
| L Jan 2017 | 385 | 43 | 10 | 11 | 5 | 0 |
| * Feb 2017 | 307 | 43 | 13 | 19 | 10 | 0 |
| Mar 2017 | 282 | 92 | 20 | 23 | 12 | 6 |
| Winter 2017 | 1915 | 284 | 88 | 108 | 58 | 6 |
| Apr 2017 | 280 | 102 | 21 | 31 | 17 | 7 |
| May 2017 | 413 | 106 | 60 | 110 | 23 | 6 |
| Jun 2017 | 447 | 104 | 48 | 70 | 22 | 8 |
| Jul 2017 | 567 | 108 | 39 | 48 | 23 | 10 |
| Aug 2017 | 602 | 51 | 43 | 51 | 23 | 10 |
| Sep 2017 | 420 | 49 | 41 | 50 | 22 | 6 |
| Summer 2017 | 2728 | 519 | 252 | 360 | 132 | 45 |
| Oct 2017 | 270 | 51 | 23 | 29 | 15 | 6 |
| Nov 2017 | 269 | 49 | 16 | 20 | 10 | 6 |
| Dec 2017 | 302 | 50 | 25 | 31 | 16 | 6 |
| Jan 2018 | 318 | 50 | 16 | 20 | 11 | 5 |
| Feb 2018 | 284 | 45 | 11 | 15 | 8 | 4 |
| Mar 2018 | 296 | 50 | 13 | 17 | 9 | 5 |
| Winter 2018 | 1739 | 295 | 104 | 132 | 69 | 32 |
| Apr 2018 | 267 | 48 | 16 | 23 | 13 | 6 |
| May 2018 | 266 | 69 | 41 | 60 | 23 | 7 |
| Jun 2018 | 285 | 69 | 26 | 38 | 22 | 9 |
| Jul 2018 | 328 | 37 | 37 | 45 | 23 | 10 |
| Aug 2018 | 349 | 37 | 39 | 47 | 23 | 10 |
| Sep 2018 | 261 | 36 | 33 | 40 | 20 | 5 |
| Summer 2018 | 1144 | 223 | 120 | 166 | 82 | 31 |
| Oct 2018 | 279 | 37 | 20 | 25 | 13 | 5 |
| Nov 2018 | 278 | 36 | 11 | 14 | 8 | 5 |
| Dec 2018 | 312 | 37 | 19 | 24 | 12 | 5 |
| Jan 2019 | 474 | 37 | 16 | 20 | 11 | 5 |
| Feb 2019 | 415 | 33 | 13 | 17 | 9 | 4 |

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

OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



March 2017 24-Month Study

Most Probable Inflow*

Flood Control Criteria

Beginning of Month Conditions



| Date | Flaming | Blue | Navajo | Lake | Upper Basin | Lake | Total | Total | Flaming | Blue | Tot or Max | Lake | Lake | BOM Space | | Mead | Mead | Sys | |
|-----------------------------------|---------|------|--------|--------|-------------|-------|-------|-------|---------|------|------------|-------|--------|-----------|-------|----------|-----------|--------|------|
| | Gorge | Mesa | KAF | Powell | Total | Mead | | | Gorge | Mesa | Navajo | Allow | Powell | Mead | Total | Required | Sched Rel | FC Rel | Cont |
| | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | KAF | MAF | |
| **** PREDICTED SPACE **** | | | | | | | | | | | | | | | | | | | |
| Mar 2017 | 828 | 258 | 357 | 13105 | 14548 | 16539 | 31087 | | 605 | 258 | 53 | 916 | 13105 | 16539 | 30560 | 1500 | 880 | 0 | 29.7 |
| Apr 2017 | 835 | 286 | 269 | 13034 | 14424 | 16691 | 31115 | | 609 | 286 | -40 | 855 | 13034 | 16691 | 30580 | 1500 | 998 | 0 | 30.1 |
| May 2017 | 893 | 253 | 179 | 12393 | 13718 | 16984 | 30702 | | 662 | 253 | -150 | 765 | 12393 | 16984 | 30141 | 1500 | 901 | 0 | 32.3 |
| Jun 2017 | 701 | 271 | 276 | 10362 | 11610 | 16916 | 28526 | | 452 | 271 | -86 | 638 | 10362 | 16916 | 27916 | 1500 | 821 | 0 | 35.1 |
| Jul 2017 | 399 | 34 | 389 | 8138 | 8961 | 16761 | 25722 | | 134 | 17 | -18 | 134 | 8138 | 16761 | 25033 | 1500 | 790 | 0 | 35.6 |
| **** CREDITABLE SPACE **** | | | | | | | | | | | | | | | | | | | |
| Aug 2017 | 285 | 15 | 457 | 8101 | 8858 | 16286 | 25144 | | 285 | 15 | 457 | 757 | 8101 | 16286 | 25144 | 1500 | 726 | 0 | 35.5 |
| Sep 2017 | 267 | 74 | 479 | 8806 | 9625 | 15623 | 25249 | | 267 | 74 | 479 | 820 | 8806 | 15623 | 25249 | 2270 | 791 | 0 | 35.1 |
| Oct 2017 | 310 | 147 | 480 | 9244 | 10182 | 15416 | 25598 | | 310 | 147 | 480 | 938 | 9244 | 15416 | 25598 | 3040 | 608 | 0 | 34.8 |
| Nov 2017 | 362 | 172 | 471 | 9306 | 10311 | 15383 | 25694 | | 362 | 172 | 471 | 1005 | 9306 | 15383 | 25694 | 3810 | 767 | 0 | 34.6 |
| Dec 2017 | 432 | 188 | 470 | 9412 | 10501 | 15498 | 25999 | | 432 | 188 | 470 | 1090 | 9412 | 15498 | 25999 | 4580 | 728 | 0 | 34.3 |
| Jan 2018 | 534 | 247 | 473 | 9623 | 10876 | 15504 | 26381 | | 534 | 247 | 473 | 1253 | 9623 | 15504 | 26381 | 5350 | 721 | 0 | 34.0 |
| **** EFFECTIVE SPACE **** | | | | | | | | | | | | | | | | | | | |
| Jan 2018 | 534 | 247 | 473 | 9623 | 10876 | 15504 | 26381 | | 160 | 226 | 212 | 597 | 9623 | 15504 | 25725 | 5350 | 721 | 0 | 34.0 |
| Feb 2018 | 630 | 275 | 478 | 9882 | 11267 | 15445 | 26711 | | 256 | 256 | 217 | 729 | 9882 | 15445 | 26056 | 1500 | 612 | 0 | 33.8 |
| Mar 2018 | 710 | 289 | 473 | 10079 | 11551 | 15349 | 26899 | | 335 | 272 | 210 | 817 | 10079 | 15349 | 26244 | 1500 | 1040 | 0 | 33.5 |
| Apr 2018 | 747 | 296 | 420 | 10154 | 11616 | 15662 | 27278 | | 370 | 279 | 150 | 799 | 10154 | 15662 | 26615 | 1500 | 1100 | 0 | 33.4 |
| May 2018 | 752 | 276 | 331 | 9921 | 11280 | 16117 | 27397 | | 368 | 256 | 39 | 664 | 9921 | 16117 | 26702 | 1500 | 971 | 0 | 34.6 |
| Jun 2018 | 703 | 203 | 329 | 8506 | 9741 | 16483 | 26224 | | 312 | 174 | -2 | 483 | 8506 | 16483 | 25472 | 1500 | 868 | 0 | 36.1 |
| Jul 2018 | 516 | 49 | 431 | 6960 | 7956 | 16748 | 24704 | | 110 | -1 | 45 | 154 | 6960 | 16748 | 23861 | 1500 | 828 | 0 | 36.2 |
| **** CREDITABLE SPACE **** | | | | | | | | | | | | | | | | | | | |
| Aug 2018 | 425 | 50 | 446 | 6789 | 7710 | 16843 | 24552 | | 425 | 50 | 446 | 921 | 6789 | 16843 | 24552 | 1500 | 771 | 0 | 35.9 |
| Sep 2018 | 453 | 105 | 468 | 7029 | 8055 | 16793 | 24848 | | 453 | 105 | 468 | 1026 | 7029 | 16793 | 24848 | 2270 | 700 | 0 | 35.6 |
| Oct 2018 | 507 | 167 | 468 | 7154 | 8296 | 16864 | 25160 | | 507 | 167 | 468 | 1142 | 7154 | 16864 | 25160 | 3040 | 493 | 0 | 35.3 |
| Nov 2018 | 555 | 196 | 456 | 7260 | 8467 | 16721 | 25188 | | 555 | 196 | 456 | 1207 | 7260 | 16721 | 25188 | 3810 | 638 | 0 | 35.2 |
| Dec 2018 | 604 | 202 | 453 | 7415 | 8674 | 16713 | 25387 | | 604 | 202 | 453 | 1259 | 7415 | 16713 | 25387 | 4580 | 596 | 0 | 35.0 |
| Jan 2019 | 670 | 239 | 456 | 7683 | 9049 | 16594 | 25643 | | 670 | 239 | 456 | 1366 | 7683 | 16594 | 25643 | 5350 | 726 | 0 | 34.8 |
| **** EFFECTIVE SPACE **** | | | | | | | | | | | | | | | | | | | |
| Jan 2019 | 670 | 239 | 456 | 7683 | 9049 | 16594 | 25643 | | 380 | 239 | 200 | 819 | 7683 | 16594 | 25096 | 5350 | 726 | 0 | 34.8 |
| Feb 2019 | 731 | 268 | 462 | 8293 | 9753 | 16219 | 25973 | | 440 | 268 | 205 | 912 | 8293 | 16219 | 25424 | 1500 | 613 | 0 | 34.6 |

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