

To: All Annual Operating Plan Recipients

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

Consistent with Section 6.B of the Interim Guidelines, the Lake Powell's operational tier in water year 2018 is the Upper Elevation Balancing Tier. With an 8.23 million acre-feet (maf) release from Lake Powell in water year 2018, the April 2018 24-Month Study projected 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. Therefore, in accordance with Section 6.B.4 of the Interim Guidelines, Lake Powell operations shifted to balancing releases for the remainder of water year 2018. 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 July 24-Month Study projects a balancing release of 9.0 maf in water year 2018.

Consistent with Section 2.B.5 of the Interim Guidelines, the Intentionally Created Surplus (ICS) Surplus Condition is the criterion governing the operation of Lake Mead for calendar year 2018.

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

The 2018 AOP is available for download at: <https://www.usbr.gov/uc/water/rsvrs/ops/aop/AOP18.pdf>.

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 June was 0.883 maf or 33 percent of the 30-year average from 1981 to 2010. The forecast for July unregulated inflow into Lake Powell is 0.196 maf or 18 percent of the 30-year average. The forecasted 2018 April through July unregulated inflow is 2.675 maf or 37 percent of average.

In this study, the calendar year 2018 diversion for Metropolitan Water District of Southern California (MWD) is forecasted to be 0.941 maf. The calendar year 2018 diversion for the Central Arizona Project (CAP) is forecasted to be 1.620 maf. Consumptive use for Nevada above Hoover (SNWP Use) is forecasted to be 0.279 maf for calendar year 2018.

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

July 2018 24-Month Study

Most Probable Inflow\*

Fontenelle Reservoir



|   | Date           | Regulated<br>Inflow<br>(1000 Ac-Ft) | Evap<br>Losses<br>(1000 Ac-Ft) | Power<br>Release<br>(1000 Ac-Ft) | Bypass<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) |
|---|----------------|-------------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| * | Jul 2017       | 332                                 | 3                              | 88                               | 230                               | 319                              | 6503.83                                | 328                             |
| H | Aug 2017       | 102                                 | 2                              | 95                               | 61                                | 156                              | 6496.34                                | 271                             |
| I | Sep 2017       | 66                                  | 2                              | 69                               | 4                                 | 72                               | 6495.21                                | 263                             |
|   | <b>WY 2017</b> | <b>2319</b>                         | <b>15</b>                      | <b>379</b>                       | <b>1890</b>                       | <b>2270</b>                      |                                        |                                 |
| S | Oct 2017       | 73                                  | 1                              | 80                               | 0                                 | 80                               | 6494.03                                | 255                             |
| T | Nov 2017       | 62                                  | 1                              | 78                               | 0                                 | 78                               | 6491.65                                | 238                             |
| O | Dec 2017       | 46                                  | 1                              | 72                               | 8                                 | 80                               | 6486.39                                | 204                             |
| R | Jan 2018       | 42                                  | 1                              | 79                               | 1                                 | 80                               | 6479.83                                | 165                             |
| I | Feb 2018       | 38                                  | 0                              | 72                               | 0                                 | 72                               | 6472.86                                | 131                             |
| C | Mar 2018       | 58                                  | 0                              | 16                               | 56                                | 71                               | 6469.78                                | 117                             |
| A | Apr 2018       | 101                                 | 1                              | 83                               | 4                                 | 87                               | 6472.76                                | 130                             |
| L | May 2018       | 354                                 | 2                              | 100                              | 123                               | 223                              | 6494.84                                | 260                             |
| * | Jun 2018       | 404                                 | 2                              | 101                              | 269                               | 370                              | 6499.18                                | 292                             |
|   | Jul 2018       | 136                                 | 3                              | 85                               | 0                                 | 85                               | 6505.44                                | 341                             |
|   | Aug 2018       | 70                                  | 2                              | 74                               | 0                                 | 74                               | 6504.67                                | 335                             |
|   | Sep 2018       | 48                                  | 2                              | 71                               | 0                                 | 71                               | 6501.43                                | 310                             |
|   | <b>WY 2018</b> | <b>1433</b>                         | <b>16</b>                      | <b>911</b>                       | <b>461</b>                        | <b>1371</b>                      |                                        |                                 |
|   | Oct 2018       | 52                                  | 1                              | 74                               | 0                                 | 74                               | 6498.38                                | 287                             |
|   | Nov 2018       | 47                                  | 1                              | 71                               | 0                                 | 71                               | 6494.90                                | 262                             |
|   | Dec 2018       | 40                                  | 1                              | 74                               | 0                                 | 74                               | 6489.77                                | 227                             |
|   | Jan 2019       | 35                                  | 1                              | 74                               | 0                                 | 74                               | 6483.66                                | 188                             |
|   | Feb 2019       | 32                                  | 1                              | 67                               | 0                                 | 67                               | 6477.25                                | 153                             |
|   | Mar 2019       | 50                                  | 0                              | 77                               | 0                                 | 77                               | 6471.42                                | 125                             |
|   | Apr 2019       | 80                                  | 1                              | 92                               | 0                                 | 92                               | 6468.44                                | 113                             |
|   | May 2019       | 150                                 | 1                              | 97                               | 5                                 | 103                              | 6478.51                                | 159                             |
|   | Jun 2019       | 270                                 | 2                              | 101                              | 39                                | 140                              | 6498.38                                | 287                             |
|   | Jul 2019       | 175                                 | 3                              | 102                              | 18                                | 120                              | 6505.18                                | 339                             |
|   | Aug 2019       | 66                                  | 2                              | 69                               | 0                                 | 69                               | 6504.50                                | 334                             |
|   | Sep 2019       | 43                                  | 2                              | 67                               | 0                                 | 67                               | 6501.17                                | 308                             |
|   | <b>WY 2019</b> | <b>1040</b>                         | <b>15</b>                      | <b>965</b>                       | <b>62</b>                         | <b>1027</b>                      |                                        |                                 |
|   | Oct 2019       | 47                                  | 1                              | 69                               | 0                                 | 69                               | 6498.01                                | 284                             |
|   | Nov 2019       | 41                                  | 1                              | 67                               | 0                                 | 67                               | 6494.33                                | 258                             |
|   | Dec 2019       | 32                                  | 1                              | 69                               | 0                                 | 69                               | 6488.69                                | 220                             |
|   | Jan 2020       | 30                                  | 1                              | 69                               | 0                                 | 69                               | 6482.39                                | 180                             |
|   | Feb 2020       | 28                                  | 1                              | 65                               | 0                                 | 65                               | 6475.23                                | 143                             |
|   | Mar 2020       | 53                                  | 0                              | 75                               | 0                                 | 75                               | 6470.17                                | 120                             |
|   | Apr 2020       | 85                                  | 1                              | 90                               | 0                                 | 90                               | 6468.94                                | 115                             |
|   | May 2020       | 164                                 | 1                              | 95                               | 0                                 | 95                               | 6482.72                                | 182                             |
|   | Jun 2020       | 299                                 | 2                              | 104                              | 41                                | 145                              | 6504.55                                | 334                             |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Flaming Gorge Reservoir



|   | Date           | Unreg<br>Inflow<br>(1000 Ac-Ft) | Reg<br>Inflow<br>(1000 Ac-Ft) | Evap<br>Losses<br>(1000 Ac-Ft) | Power<br>Release<br>(1000 Ac-Ft) | Bypass<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Bank<br>Storage<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) | Jensen<br>Flow<br>(1000 Ac-Ft) |
|---|----------------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|----------------------------------------|---------------------------------|--------------------------------|
| * | Jul 2017       | 387                             | 374                           | 14                             | 180                              | 48                                | 228                              | 142                             | 6034.61                                | 3531                            | 315                            |
| H | Aug 2017       | 120                             | 174                           | 13                             | 143                              | 0                                 | 143                              | 143                             | 6035.05                                | 3548                            | 173                            |
| I | Sep 2017       | 87                              | 93                            | 11                             | 141                              | 0                                 | 141                              | 140                             | 6033.63                                | 3491                            | 161                            |
|   | <b>WY 2017</b> | <b>3153</b>                     | <b>3104</b>                   | <b>81</b>                      | <b>2016</b>                      | <b>712</b>                        | <b>2728</b>                      |                                 |                                        |                                 | <b>4225</b>                    |
| S | Oct 2017       | 88                              | 95                            | 8                              | 107                              | 0                                 | 107                              | 140                             | 6033.17                                | 3473                            | 151                            |
| T | Nov 2017       | 82                              | 98                            | 4                              | 139                              | 0                                 | 139                              | 138                             | 6032.07                                | 3430                            | 166                            |
| O | Dec 2017       | 52                              | 86                            | 2                              | 174                              | 0                                 | 174                              | 135                             | 6029.85                                | 3343                            | 197                            |
| R | Jan 2018       | 52                              | 90                            | 2                              | 175                              | 0                                 | 175                              | 131                             | 6027.65                                | 3259                            | 208                            |
| I | Feb 2018       | 57                              | 91                            | 2                              | 155                              | 1                                 | 157                              | 129                             | 6025.91                                | 3194                            | 197                            |
| C | Mar 2018       | 86                              | 99                            | 3                              | 106                              | 0                                 | 106                              | 128                             | 6025.65                                | 3184                            | 178                            |
| A | Apr 2018       | 121                             | 108                           | 5                              | 101                              | 0                                 | 101                              | 128                             | 6025.69                                | 3186                            | 277                            |
| L | May 2018       | 422                             | 290                           | 8                              | 163                              | 6                                 | 169                              | 133                             | 6028.57                                | 3294                            | 572                            |
| * | Jun 2018       | 435                             | 401                           | 11                             | 125                              | 0                                 | 125                              | 143                             | 6035.09                                | 3550                            | 278                            |
|   | Jul 2018       | 142                             | 91                            | 14                             | 120                              | 0                                 | 120                              | 141                             | 6034.06                                | 3508                            | 142                            |
|   | Aug 2018       | 73                              | 77                            | 13                             | 123                              | 0                                 | 123                              | 139                             | 6032.62                                | 3451                            | 139                            |
|   | Sep 2018       | 51                              | 74                            | 11                             | 125                              | 0                                 | 125                              | 136                             | 6031.10                                | 3392                            | 135                            |
|   | <b>WY 2018</b> | <b>1661</b>                     | <b>1600</b>                   | <b>83</b>                      | <b>1613</b>                      | <b>7</b>                          | <b>1620</b>                      |                                 |                                        |                                 | <b>2638</b>                    |
|   | Oct 2018       | 64                              | 86                            | 7                              | 111                              | 0                                 | 111                              | 135                             | 6030.30                                | 3361                            | 138                            |
|   | Nov 2018       | 60                              | 84                            | 4                              | 107                              | 0                                 | 107                              | 134                             | 6029.64                                | 3335                            | 135                            |
|   | Dec 2018       | 41                              | 75                            | 2                              | 111                              | 0                                 | 111                              | 133                             | 6028.70                                | 3299                            | 134                            |
|   | Jan 2019       | 45                              | 84                            | 2                              | 111                              | 0                                 | 111                              | 132                             | 6027.98                                | 3272                            | 131                            |
|   | Feb 2019       | 45                              | 80                            | 2                              | 100                              | 0                                 | 100                              | 131                             | 6027.40                                | 3250                            | 119                            |
|   | Mar 2019       | 95                              | 122                           | 3                              | 138                              | 0                                 | 138                              | 130                             | 6026.91                                | 3231                            | 203                            |
|   | Apr 2019       | 130                             | 142                           | 5                              | 134                              | 0                                 | 134                              | 130                             | 6026.99                                | 3234                            | 324                            |
|   | May 2019       | 195                             | 148                           | 8                              | 197                              | 0                                 | 197                              | 128                             | 6025.53                                | 3180                            | 687                            |
|   | Jun 2019       | 325                             | 195                           | 10                             | 167                              | 0                                 | 167                              | 129                             | 6026.00                                | 3197                            | 602                            |
|   | Jul 2019       | 200                             | 145                           | 13                             | 92                               | 0                                 | 92                               | 130                             | 6027.01                                | 3235                            | 167                            |
|   | Aug 2019       | 75                              | 78                            | 12                             | 92                               | 0                                 | 92                               | 129                             | 6026.33                                | 3210                            | 111                            |
|   | Sep 2019       | 50                              | 74                            | 11                             | 89                               | 0                                 | 89                               | 128                             | 6025.65                                | 3184                            | 103                            |
|   | <b>WY 2019</b> | <b>1325</b>                     | <b>1312</b>                   | <b>79</b>                      | <b>1448</b>                      | <b>0</b>                          | <b>1448</b>                      |                                 |                                        |                                 | <b>2853</b>                    |
|   | Oct 2019       | 55                              | 78                            | 7                              | 92                               | 0                                 | 92                               | 127                             | 6025.10                                | 3164                            | 119                            |
|   | Nov 2019       | 50                              | 75                            | 3                              | 89                               | 0                                 | 89                               | 127                             | 6024.65                                | 3147                            | 118                            |
|   | Dec 2019       | 35                              | 72                            | 2                              | 92                               | 0                                 | 92                               | 126                             | 6024.07                                | 3126                            | 118                            |
|   | Jan 2020       | 40                              | 79                            | 2                              | 92                               | 0                                 | 92                               | 125                             | 6023.69                                | 3112                            | 117                            |
|   | Feb 2020       | 45                              | 82                            | 2                              | 86                               | 0                                 | 86                               | 125                             | 6023.51                                | 3105                            | 114                            |
|   | Mar 2020       | 102                             | 125                           | 3                              | 61                               | 0                                 | 61                               | 127                             | 6025.09                                | 3163                            | 138                            |
|   | Apr 2020       | 134                             | 138                           | 5                              | 60                               | 0                                 | 60                               | 130                             | 6026.99                                | 3234                            | 275                            |
|   | May 2020       | 245                             | 176                           | 8                              | 191                              | 0                                 | 191                              | 129                             | 6026.43                                | 3213                            | 723                            |
|   | Jun 2020       | 390                             | 235                           | 10                             | 167                              | 0                                 | 167                              | 132                             | 6027.92                                | 3270                            | 587                            |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*  
Taylor Park Reservoir



|                | Date     | Regulated<br>Inflow<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) |
|----------------|----------|-------------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Jul 2017 | 24                                  | 26                               | 9326.95                                | 100                             |
| H              | Aug 2017 | 12                                  | 25                               | 9320.31                                | 88                              |
| I              | Sep 2017 | 8                                   | 18                               | 9314.58                                | 77                              |
| <b>WY 2017</b> |          | <b>179</b>                          | <b>173</b>                       |                                        |                                 |
| S              | Oct 2017 | 8                                   | 8                                | 9314.93                                | 78                              |
| T              | Nov 2017 | 6                                   | 6                                | 9315.09                                | 78                              |
| O              | Dec 2017 | 4                                   | 6                                | 9313.84                                | 76                              |
| R              | Jan 2018 | 4                                   | 6                                | 9312.64                                | 74                              |
| I              | Feb 2018 | 4                                   | 6                                | 9311.50                                | 72                              |
| C              | Mar 2018 | 5                                   | 6                                | 9310.51                                | 71                              |
| A              | Apr 2018 | 8                                   | 7                                | 9311.18                                | 72                              |
| L              | May 2018 | 24                                  | 12                               | 9318.33                                | 84                              |
| *              | Jun 2018 | 13                                  | 15                               | 9317.29                                | 82                              |
|                | Jul 2018 | 6                                   | 18                               | 9309.84                                | 70                              |
|                | Aug 2018 | 5                                   | 15                               | 9302.96                                | 59                              |
|                | Sep 2018 | 5                                   | 12                               | 9297.96                                | 52                              |
| <b>WY 2018</b> |          | <b>93</b>                           | <b>118</b>                       |                                        |                                 |
|                | Oct 2018 | 4                                   | 4                                | 9298.24                                | 53                              |
|                | Nov 2018 | 3                                   | 3                                | 9298.24                                | 53                              |
|                | Dec 2018 | 3                                   | 3                                | 9298.17                                | 53                              |
|                | Jan 2019 | 3                                   | 3                                | 9298.09                                | 53                              |
|                | Feb 2019 | 2                                   | 3                                | 9297.48                                | 52                              |
|                | Mar 2019 | 3                                   | 3                                | 9297.40                                | 52                              |
|                | Apr 2019 | 5                                   | 10                               | 9293.38                                | 47                              |
|                | May 2019 | 23                                  | 16                               | 9299.30                                | 54                              |
|                | Jun 2019 | 35                                  | 21                               | 9308.93                                | 68                              |
|                | Jul 2019 | 14                                  | 24                               | 9302.56                                | 59                              |
|                | Aug 2019 | 7                                   | 20                               | 9292.96                                | 46                              |
|                | Sep 2019 | 6                                   | 15                               | 9284.65                                | 37                              |
| <b>WY 2019</b> |          | <b>108</b>                          | <b>123</b>                       |                                        |                                 |
|                | Oct 2019 | 6                                   | 7                                | 9283.46                                | 36                              |
|                | Nov 2019 | 5                                   | 5                                | 9283.19                                | 36                              |
|                | Dec 2019 | 5                                   | 5                                | 9282.64                                | 35                              |
|                | Jan 2020 | 4                                   | 5                                | 9281.73                                | 34                              |
|                | Feb 2020 | 4                                   | 5                                | 9280.53                                | 33                              |
|                | Mar 2020 | 4                                   | 8                                | 9276.41                                | 30                              |
|                | Apr 2020 | 9                                   | 8                                | 9277.31                                | 31                              |
|                | May 2020 | 28                                  | 30                               | 9275.24                                | 29                              |
|                | Jun 2020 | 42                                  | 30                               | 9287.87                                | 41                              |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*  
Blue Mesa Reservoir



|   | Date           | UnReg<br>Inflow<br>(1000 Ac-Ft) | Regulated<br>Inflow<br>(1000 Ac-Ft) | Evap<br>Losses<br>(1000 Ac-Ft) | Power<br>Release<br>(1000 Ac-Ft) | Bypass<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) |
|---|----------------|---------------------------------|-------------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| * | Jul 2017       | 135                             | 137                                 | 2                              | 113                              | 0                                 | 110                              | 7518.20                                | 819                             |
| H | Aug 2017       | 84                              | 96                                  | 1                              | 111                              | 0                                 | 111                              | 7516.38                                | 802                             |
| I | Sep 2017       | 35                              | 45                                  | 1                              | 115                              | 0                                 | 114                              | 7508.43                                | 732                             |
|   | <b>WY 2017</b> | <b>1245</b>                     | <b>1238</b>                         | <b>9</b>                       | <b>987</b>                       | <b>101</b>                        | <b>1163</b>                      |                                        |                                 |
| S | Oct 2017       | 37                              | 37                                  | 1                              | 102                              | 0                                 | 102                              | 7500.64                                | 667                             |
| T | Nov 2017       | 32                              | 32                                  | 0                              | 40                               | 0                                 | 40                               | 7499.68                                | 659                             |
| O | Dec 2017       | 25                              | 27                                  | 0                              | 93                               | 0                                 | 93                               | 7491.44                                | 593                             |
| R | Jan 2018       | 20                              | 22                                  | 0                              | 60                               | 0                                 | 60                               | 7486.51                                | 554                             |
| I | Feb 2018       | 23                              | 25                                  | 0                              | 32                               | 0                                 | 32                               | 7485.54                                | 547                             |
| C | Mar 2018       | 28                              | 29                                  | 0                              | 43                               | 0                                 | 43                               | 7483.73                                | 534                             |
| A | Apr 2018       | 48                              | 47                                  | 1                              | 82                               | 0                                 | 82                               | 7478.94                                | 498                             |
| L | May 2018       | 112                             | 100                                 | 1                              | 85                               | 0                                 | 85                               | 7480.90                                | 513                             |
| * | Jun 2018       | 56                              | 57                                  | 1                              | 98                               | 0                                 | 98                               | 7475.06                                | 471                             |
|   | Jul 2018       | 28                              | 40                                  | 1                              | 105                              | 0                                 | 105                              | 7465.34                                | 405                             |
|   | Aug 2018       | 26                              | 36                                  | 1                              | 81                               | 0                                 | 81                               | 7458.01                                | 359                             |
|   | Sep 2018       | 24                              | 31                                  | 1                              | 73                               | 0                                 | 73                               | 7450.60                                | 316                             |
|   | <b>WY 2018</b> | <b>459</b>                      | <b>484</b>                          | <b>7</b>                       | <b>893</b>                       | <b>0</b>                          | <b>893</b>                       |                                        |                                 |
|   | Oct 2018       | 24                              | 24                                  | 0                              | 46                               | 0                                 | 46                               | 7446.54                                | 294                             |
|   | Nov 2018       | 21                              | 21                                  | 0                              | 18                               | 0                                 | 18                               | 7447.10                                | 297                             |
|   | Dec 2018       | 18                              | 18                                  | 0                              | 19                               | 0                                 | 19                               | 7447.00                                | 296                             |
|   | Jan 2019       | 16                              | 16                                  | 0                              | 20                               | 0                                 | 20                               | 7446.34                                | 292                             |
|   | Feb 2019       | 14                              | 15                                  | 0                              | 18                               | 0                                 | 18                               | 7445.63                                | 289                             |
|   | Mar 2019       | 25                              | 25                                  | 0                              | 23                               | 0                                 | 23                               | 7445.88                                | 290                             |
|   | Apr 2019       | 54                              | 59                                  | 1                              | 49                               | 0                                 | 49                               | 7447.74                                | 300                             |
|   | May 2019       | 174                             | 167                                 | 1                              | 169                              | 0                                 | 169                              | 7447.09                                | 297                             |
|   | Jun 2019       | 250                             | 236                                 | 1                              | 45                               | 0                                 | 45                               | 7477.28                                | 486                             |
|   | Jul 2019       | 90                              | 100                                 | 1                              | 74                               | 0                                 | 74                               | 7480.63                                | 511                             |
|   | Aug 2019       | 48                              | 61                                  | 1                              | 77                               | 0                                 | 77                               | 7478.22                                | 493                             |
|   | Sep 2019       | 36                              | 45                                  | 1                              | 71                               | 0                                 | 71                               | 7474.38                                | 466                             |
|   | <b>WY 2019</b> | <b>770</b>                      | <b>785</b>                          | <b>7</b>                       | <b>629</b>                       | <b>0</b>                          | <b>629</b>                       |                                        |                                 |
|   | Oct 2019       | 37                              | 38                                  | 0                              | 44                               | 0                                 | 44                               | 7473.40                                | 459                             |
|   | Nov 2019       | 31                              | 31                                  | 0                              | 12                               | 0                                 | 12                               | 7476.00                                | 477                             |
|   | Dec 2019       | 26                              | 26                                  | 0                              | 12                               | 0                                 | 12                               | 7478.01                                | 492                             |
|   | Jan 2020       | 24                              | 25                                  | 0                              | 12                               | 0                                 | 12                               | 7479.87                                | 505                             |
|   | Feb 2020       | 22                              | 23                                  | 0                              | 11                               | 0                                 | 11                               | 7481.57                                | 518                             |
|   | Mar 2020       | 36                              | 40                                  | 0                              | 17                               | 0                                 | 17                               | 7484.51                                | 539                             |
|   | Apr 2020       | 77                              | 76                                  | 1                              | 42                               | 0                                 | 42                               | 7488.93                                | 573                             |
|   | May 2020       | 221                             | 223                                 | 1                              | 167                              | 0                                 | 167                              | 7495.93                                | 628                             |
|   | Jun 2020       | 261                             | 249                                 | 1                              | 106                              | 0                                 | 106                              | 7512.77                                | 770                             |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

## Morrow Point Reservoir



|   | Date           | Unreg<br>Inflow<br>(1000 Ac-Ft) | Blue Mesa<br>Release<br>(1000 Ac-Ft) | Side<br>Inflow<br>(1000 Ac-Ft) | Total<br>Inflow<br>(1000 Ac-Ft) | Power<br>Release<br>(1000 Ac-Ft) | Bypass<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) |
|---|----------------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| * | Jul 2017       | 139                             | 110                                  | 4                              | 114                             | 37                               | 0                                 | 111                              | 7155.13                                | 113                             |
| H | Aug 2017       | 86                              | 111                                  | 2                              | 113                             | 0                                | 0                                 | 115                              | 7152.68                                | 111                             |
| I | Sep 2017       | 35                              | 114                                  | 0                              | 115                             | 92                               | 0                                 | 112                              | 7155.62                                | 114                             |
|   | <b>WY 2017</b> | <b>1314</b>                     | <b>1163</b>                          | <b>69</b>                      | <b>1232</b>                     | <b>893</b>                       | <b>0</b>                          | <b>1226</b>                      |                                        |                                 |
| S | Oct 2017       | 38                              | 102                                  | 1                              | 103                             | 105                              | 0                                 | 105                              | 7153.17                                | 112                             |
| T | Nov 2017       | 34                              | 40                                   | 1                              | 41                              | 42                               | 0                                 | 42                               | 7152.45                                | 111                             |
| O | Dec 2017       | 26                              | 93                                   | 1                              | 94                              | 94                               | 0                                 | 94                               | 7152.45                                | 111                             |
| R | Jan 2018       | 22                              | 60                                   | 2                              | 62                              | 62                               | 0                                 | 63                               | 7150.65                                | 110                             |
| I | Feb 2018       | 24                              | 32                                   | 1                              | 33                              | 34                               | 0                                 | 34                               | 7149.19                                | 108                             |
| C | Mar 2018       | 29                              | 43                                   | 1                              | 44                              | 49                               | 0                                 | 49                               | 7143.05                                | 104                             |
| A | Apr 2018       | 54                              | 82                                   | 6                              | 87                              | 79                               | 0                                 | 79                               | 7154.30                                | 112                             |
| L | May 2018       | 121                             | 85                                   | 8                              | 94                              | 94                               | 0                                 | 94                               | 7153.76                                | 112                             |
| * | Jun 2018       | 57                              | 98                                   | 2                              | 99                              | 99                               | 0                                 | 99                               | 7154.16                                | 112                             |
|   | Jul 2018       | 28                              | 105                                  | 0                              | 105                             | 105                              | 0                                 | 105                              | 7153.73                                | 112                             |
|   | Aug 2018       | 26                              | 81                                   | 0                              | 81                              | 81                               | 0                                 | 81                               | 7153.73                                | 112                             |
|   | Sep 2018       | 26                              | 73                                   | 2                              | 75                              | 75                               | 0                                 | 75                               | 7153.73                                | 112                             |
|   | <b>WY 2018</b> | <b>485</b>                      | <b>893</b>                           | <b>26</b>                      | <b>919</b>                      | <b>918</b>                       | <b>0</b>                          | <b>920</b>                       |                                        |                                 |
|   | Oct 2018       | 25                              | 46                                   | 1                              | 47                              | 47                               | 0                                 | 47                               | 7153.73                                | 112                             |
|   | Nov 2018       | 22                              | 18                                   | 1                              | 19                              | 19                               | 0                                 | 19                               | 7153.73                                | 112                             |
|   | Dec 2018       | 19                              | 19                                   | 1                              | 20                              | 20                               | 0                                 | 20                               | 7153.73                                | 112                             |
|   | Jan 2019       | 17                              | 20                                   | 1                              | 21                              | 21                               | 0                                 | 21                               | 7153.73                                | 112                             |
|   | Feb 2019       | 14                              | 18                                   | 0                              | 18                              | 18                               | 0                                 | 18                               | 7153.73                                | 112                             |
|   | Mar 2019       | 26                              | 23                                   | 1                              | 24                              | 24                               | 0                                 | 24                               | 7153.73                                | 112                             |
|   | Apr 2019       | 62                              | 49                                   | 8                              | 57                              | 57                               | 0                                 | 57                               | 7153.73                                | 112                             |
|   | May 2019       | 190                             | 169                                  | 16                             | 185                             | 185                              | 0                                 | 185                              | 7153.73                                | 112                             |
|   | Jun 2019       | 265                             | 45                                   | 15                             | 60                              | 60                               | 0                                 | 60                               | 7153.73                                | 112                             |
|   | Jul 2019       | 93                              | 74                                   | 3                              | 77                              | 77                               | 0                                 | 77                               | 7153.73                                | 112                             |
|   | Aug 2019       | 51                              | 77                                   | 3                              | 80                              | 80                               | 0                                 | 80                               | 7153.73                                | 112                             |
|   | Sep 2019       | 36                              | 71                                   | 0                              | 71                              | 71                               | 0                                 | 71                               | 7153.73                                | 112                             |
|   | <b>WY 2019</b> | <b>820</b>                      | <b>629</b>                           | <b>50</b>                      | <b>679</b>                      | <b>679</b>                       | <b>0</b>                          | <b>679</b>                       |                                        |                                 |
|   | Oct 2019       | 38                              | 44                                   | 1                              | 45                              | 45                               | 0                                 | 45                               | 7153.73                                | 112                             |
|   | Nov 2019       | 32                              | 12                                   | 1                              | 14                              | 14                               | 0                                 | 14                               | 7153.73                                | 112                             |
|   | Dec 2019       | 28                              | 12                                   | 2                              | 14                              | 14                               | 0                                 | 14                               | 7153.73                                | 112                             |
|   | Jan 2020       | 27                              | 12                                   | 2                              | 14                              | 14                               | 0                                 | 14                               | 7153.73                                | 112                             |
|   | Feb 2020       | 25                              | 11                                   | 3                              | 13                              | 13                               | 0                                 | 13                               | 7153.73                                | 112                             |
|   | Mar 2020       | 40                              | 17                                   | 4                              | 21                              | 21                               | 0                                 | 21                               | 7153.73                                | 112                             |
|   | Apr 2020       | 88                              | 42                                   | 11                             | 53                              | 53                               | 0                                 | 53                               | 7153.73                                | 112                             |
|   | May 2020       | 247                             | 167                                  | 26                             | 193                             | 193                              | 0                                 | 193                              | 7153.73                                | 112                             |
|   | Jun 2020       | 281                             | 106                                  | 20                             | 126                             | 126                              | 0                                 | 126                              | 7153.73                                | 112                             |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Crystal Reservoir



|   | Date           | Unreg<br>Inflow<br>(1000 Ac-Ft) | Morrow<br>Release<br>(1000 Ac-Ft) | Side<br>Inflow<br>(1000 Ac-Ft) | Total<br>Inflow<br>(1000 Ac-Ft) | Power<br>Release<br>(1000 Ac-Ft) | Bypass<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) | Tunnel<br>Flow<br>(1000 Ac-Ft) | Below Tunnel<br>Flow<br>(1000 Ac-Ft) |
|---|----------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|--------------------------------|--------------------------------------|
| * | Jul 2017       | 148                             | 111                               | 8                              | 119                             | 96                               | 25                                | 121                              | 6746.24                                | 15                              | 63                             | 60                                   |
| H | Aug 2017       | 89                              | 115                               | 3                              | 119                             | 119                              | 0                                 | 119                              | 6744.79                                | 15                              | 62                             | 58                                   |
| I | Sep 2017       | 39                              | 112                               | 4                              | 116                             | 115                              | 0                                 | 115                              | 6748.63                                | 16                              | 59                             | 56                                   |
|   | <b>WY 2017</b> | <b>1423</b>                     | <b>1226</b>                       | <b>109</b>                     | <b>1335</b>                     | <b>751</b>                       | <b>350</b>                        | <b>1334</b>                      |                                        |                                 | <b>413</b>                     | <b>929</b>                           |
| S | Oct 2017       | 43                              | 105                               | 5                              | 110                             | 109                              | 0                                 | 109                              | 6751.20                                | 16                              | 55                             | 53                                   |
| T | Nov 2017       | 38                              | 42                                | 4                              | 46                              | 46                               | 0                                 | 46                               | 6749.89                                | 16                              | 1                              | 46                                   |
| O | Dec 2017       | 29                              | 94                                | 3                              | 97                              | 97                               | 0                                 | 97                               | 6749.23                                | 16                              | 1                              | 98                                   |
| R | Jan 2018       | 25                              | 63                                | 3                              | 66                              | 62                               | 4                                 | 66                               | 6747.99                                | 16                              | 1                              | 65                                   |
| I | Feb 2018       | 27                              | 34                                | 3                              | 37                              | 16                               | 20                                | 36                               | 6750.06                                | 16                              | 0                              | 34                                   |
| C | Mar 2018       | 33                              | 49                                | 4                              | 52                              | 53                               | 0                                 | 53                               | 6747.97                                | 16                              | 13                             | 38                                   |
| A | Apr 2018       | 60                              | 79                                | 6                              | 84                              | 84                               | 0                                 | 84                               | 6749.35                                | 16                              | 53                             | 28                                   |
| L | May 2018       | 129                             | 94                                | 9                              | 102                             | 102                              | 0                                 | 102                              | 6749.41                                | 16                              | 62                             | 40                                   |
| * | Jun 2018       | 61                              | 99                                | 3                              | 102                             | 102                              | 0                                 | 102                              | 6750.48                                | 16                              | 63                             | 44                                   |
|   | Jul 2018       | 30                              | 105                               | 2                              | 107                             | 107                              | 0                                 | 107                              | 6753.04                                | 17                              | 63                             | 44                                   |
|   | Aug 2018       | 28                              | 81                                | 2                              | 83                              | 83                               | 0                                 | 83                               | 6753.04                                | 17                              | 65                             | 18                                   |
|   | Sep 2018       | 28                              | 75                                | 2                              | 77                              | 77                               | 0                                 | 77                               | 6753.04                                | 17                              | 55                             | 22                                   |
|   | <b>WY 2018</b> | <b>531</b>                      | <b>920</b>                        | <b>46</b>                      | <b>965</b>                      | <b>938</b>                       | <b>26</b>                         | <b>964</b>                       |                                        |                                 | <b>433</b>                     | <b>530</b>                           |
|   | Oct 2018       | 27                              | 47                                | 2                              | 49                              | 49                               | 0                                 | 49                               | 6753.04                                | 17                              | 30                             | 19                                   |
|   | Nov 2018       | 24                              | 19                                | 2                              | 21                              | 21                               | 0                                 | 21                               | 6753.04                                | 17                              | 0                              | 21                                   |
|   | Dec 2018       | 21                              | 20                                | 2                              | 22                              | 22                               | 0                                 | 22                               | 6753.04                                | 17                              | 0                              | 22                                   |
|   | Jan 2019       | 18                              | 21                                | 1                              | 22                              | 22                               | 0                                 | 22                               | 6753.04                                | 17                              | 0                              | 22                                   |
|   | Feb 2019       | 15                              | 18                                | 1                              | 19                              | 19                               | 0                                 | 19                               | 6753.04                                | 17                              | 0                              | 19                                   |
|   | Mar 2019       | 28                              | 24                                | 2                              | 26                              | 26                               | 0                                 | 26                               | 6753.04                                | 17                              | 5                              | 21                                   |
|   | Apr 2019       | 65                              | 57                                | 3                              | 60                              | 60                               | 0                                 | 60                               | 6753.04                                | 17                              | 42                             | 18                                   |
|   | May 2019       | 210                             | 185                               | 20                             | 205                             | 134                              | 71                                | 205                              | 6753.04                                | 17                              | 62                             | 143                                  |
|   | Jun 2019       | 290                             | 60                                | 25                             | 85                              | 85                               | 0                                 | 85                               | 6753.04                                | 17                              | 61                             | 24                                   |
|   | Jul 2019       | 99                              | 77                                | 6                              | 83                              | 83                               | 0                                 | 83                               | 6753.04                                | 17                              | 65                             | 18                                   |
|   | Aug 2019       | 54                              | 80                                | 3                              | 83                              | 83                               | 0                                 | 83                               | 6753.04                                | 17                              | 65                             | 18                                   |
|   | Sep 2019       | 39                              | 71                                | 3                              | 74                              | 74                               | 0                                 | 74                               | 6753.04                                | 17                              | 55                             | 19                                   |
|   | <b>WY 2019</b> | <b>890</b>                      | <b>679</b>                        | <b>70</b>                      | <b>749</b>                      | <b>678</b>                       | <b>71</b>                         | <b>749</b>                       |                                        |                                 | <b>385</b>                     | <b>364</b>                           |
|   | Oct 2019       | 42                              | 45                                | 4                              | 49                              | 49                               | 0                                 | 49                               | 6753.04                                | 17                              | 30                             | 19                                   |
|   | Nov 2019       | 36                              | 14                                | 4                              | 18                              | 18                               | 0                                 | 18                               | 6753.04                                | 17                              | 0                              | 18                                   |
|   | Dec 2019       | 32                              | 14                                | 5                              | 18                              | 18                               | 0                                 | 18                               | 6753.04                                | 17                              | 0                              | 18                                   |
|   | Jan 2020       | 31                              | 14                                | 5                              | 18                              | 18                               | 0                                 | 18                               | 6753.04                                | 17                              | 0                              | 18                                   |
|   | Feb 2020       | 29                              | 13                                | 4                              | 17                              | 17                               | 0                                 | 17                               | 6753.04                                | 17                              | 0                              | 17                                   |
|   | Mar 2020       | 46                              | 21                                | 6                              | 28                              | 28                               | 0                                 | 28                               | 6753.04                                | 17                              | 5                              | 23                                   |
|   | Apr 2020       | 101                             | 53                                | 12                             | 65                              | 65                               | 0                                 | 65                               | 6753.04                                | 17                              | 42                             | 23                                   |
|   | May 2020       | 281                             | 193                               | 34                             | 227                             | 134                              | 93                                | 227                              | 6753.04                                | 17                              | 62                             | 165                                  |
|   | Jun 2020       | 315                             | 126                               | 34                             | 160                             | 130                              | 30                                | 160                              | 6753.04                                | 17                              | 61                             | 99                                   |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*  
Vallecito Reservoir



|                | Date     | Regulated<br>Inflow<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) |
|----------------|----------|-------------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Jul 2017 | 30                                  | 39                               | 7660.94                                | 115                             |
| H              | Aug 2017 | 19                                  | 33                               | 7655.15                                | 100                             |
| I              | Sep 2017 | 9                                   | 34                               | 7644.31                                | 74                              |
| <b>WY 2017</b> |          | <b>303</b>                          | <b>297</b>                       |                                        |                                 |
| S              | Oct 2017 | 4                                   | 22                               | 7638.22                                | 61                              |
| T              | Nov 2017 | 3                                   | 2                                | 7639.49                                | 63                              |
| O              | Dec 2017 | 1                                   | 1                                | 7640.27                                | 65                              |
| R              | Jan 2018 | 2                                   | 0                                | 7641.42                                | 67                              |
| I              | Feb 2018 | 1                                   | 0                                | 7642.57                                | 70                              |
| C              | Mar 2018 | 3                                   | 0                                | 7644.11                                | 73                              |
| A              | Apr 2018 | 9                                   | 3                                | 7649.29                                | 85                              |
| L              | May 2018 | 30                                  | 31                               | 7648.91                                | 84                              |
| *              | Jun 2018 | 14                                  | 35                               | 7639.22                                | 63                              |
|                | Jul 2018 | 5                                   | 25                               | 7628.52                                | 42                              |
|                | Aug 2018 | 6                                   | 23                               | 7617.06                                | 25                              |
|                | Sep 2018 | 7                                   | 18                               | 7606.72                                | 14                              |
| <b>WY 2018</b> |          | <b>84</b>                           | <b>161</b>                       |                                        |                                 |
|                | Oct 2018 | 7                                   | 10                               | 7602.43                                | 11                              |
|                | Nov 2018 | 4                                   | 2                                | 7605.16                                | 13                              |
|                | Dec 2018 | 3                                   | 2                                | 7606.49                                | 14                              |
|                | Jan 2019 | 3                                   | 2                                | 7607.75                                | 15                              |
|                | Feb 2019 | 2                                   | 2                                | 7608.06                                | 16                              |
|                | Mar 2019 | 4                                   | 2                                | 7610.21                                | 18                              |
|                | Apr 2019 | 16                                  | 2                                | 7621.86                                | 32                              |
|                | May 2019 | 54                                  | 31                               | 7635.14                                | 54                              |
|                | Jun 2019 | 63                                  | 44                               | 7644.00                                | 73                              |
|                | Jul 2019 | 25                                  | 42                               | 7635.79                                | 56                              |
|                | Aug 2019 | 16                                  | 38                               | 7623.08                                | 33                              |
|                | Sep 2019 | 13                                  | 30                               | 7609.23                                | 17                              |
| <b>WY 2019</b> |          | <b>210</b>                          | <b>205</b>                       |                                        |                                 |
|                | Oct 2019 | 13                                  | 17                               | 7604.38                                | 12                              |
|                | Nov 2019 | 8                                   | 2                                | 7611.11                                | 19                              |
|                | Dec 2019 | 6                                   | 2                                | 7615.15                                | 23                              |
|                | Jan 2020 | 5                                   | 2                                | 7618.02                                | 27                              |
|                | Feb 2020 | 5                                   | 2                                | 7620.28                                | 30                              |
|                | Mar 2020 | 9                                   | 2                                | 7624.84                                | 36                              |
|                | Apr 2020 | 23                                  | 2                                | 7636.70                                | 57                              |
|                | May 2020 | 71                                  | 70                               | 7637.26                                | 59                              |
|                | Jun 2020 | 70                                  | 70                               | 7637.16                                | 58                              |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Navajo Reservoir



|   | Date           | Mod Unreg<br>Inflow<br>(1000 Ac-Ft) | Azetea<br>Tunnel Div<br>(1000 Ac-Ft) | Reg<br>Inflow<br>(1000 Ac-Ft) | Evap<br>Losses<br>(1000 Ac-Ft) | NIIP<br>Diversion<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Live<br>Storage<br>(1000 Ac-Ft) | Farmington<br>Flow<br>(1000 Ac-Ft) |
|---|----------------|-------------------------------------|--------------------------------------|-------------------------------|--------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|------------------------------------|
| * | Jul 2017       | 49                                  | 11                                   | 48                            | 4                              | 43                                | 38                               | 6061.00                                | 1361                            | 88                                 |
| H | Aug 2017       | 30                                  | 5                                    | 38                            | 4                              | 35                                | 36                               | 6058.07                                | 1323                            | 55                                 |
| I | Sep 2017       | 9                                   | 2                                    | 33                            | 3                              | 23                                | 42                               | 6055.28                                | 1289                            | 48                                 |
|   | <b>WY 2017</b> | <b>1157</b>                         | <b>160</b>                           | <b>991</b>                    | <b>28</b>                      | <b>198</b>                        | <b>785</b>                       |                                        |                                 | <b>1410</b>                        |
| S | Oct 2017       | 38                                  | 2                                    | 49                            | 2                              | 8                                 | 32                               | 6055.89                                | 1296                            | 52                                 |
| T | Nov 2017       | 19                                  | 0                                    | 16                            | 1                              | 0                                 | 25                               | 6055.04                                | 1286                            | 41                                 |
| O | Dec 2017       | 10                                  | 0                                    | 9                             | 1                              | 0                                 | 24                               | 6053.69                                | 1270                            | 40                                 |
| R | Jan 2018       | 12                                  | 0                                    | 9                             | 1                              | 0                                 | 23                               | 6052.47                                | 1255                            | 40                                 |
| I | Feb 2018       | 14                                  | 0                                    | 11                            | 1                              | 1                                 | 18                               | 6051.73                                | 1246                            | 33                                 |
| C | Mar 2018       | 24                                  | 2                                    | 19                            | 2                              | 6                                 | 21                               | 6050.92                                | 1236                            | 30                                 |
| A | Apr 2018       | 70                                  | 13                                   | 46                            | 2                              | 20                                | 38                               | 6049.73                                | 1222                            | 42                                 |
| L | May 2018       | 88                                  | 16                                   | 71                            | 3                              | 36                                | 32                               | 6049.80                                | 1223                            | 71                                 |
| * | Jun 2018       | 6                                   | 3                                    | 24                            | 4                              | 42                                | 42                               | 6044.23                                | 1159                            | 63                                 |
|   | Jul 2018       | 4                                   | 0                                    | 24                            | 4                              | 56                                | 47                               | 6036.53                                | 1076                            | 59                                 |
|   | Aug 2018       | 25                                  | 0                                    | 42                            | 3                              | 48                                | 47                               | 6031.06                                | 1019                            | 59                                 |
|   | Sep 2018       | 25                                  | 0                                    | 36                            | 2                              | 27                                | 39                               | 6027.84                                | 987                             | 52                                 |
|   | <b>WY 2018</b> | <b>335</b>                          | <b>36</b>                            | <b>356</b>                    | <b>24</b>                      | <b>245</b>                        | <b>388</b>                       |                                        |                                 | <b>582</b>                         |
|   | Oct 2018       | 22                                  | 0                                    | 25                            | 1                              | 11                                | 26                               | 6026.50                                | 974                             | 38                                 |
|   | Nov 2018       | 20                                  | 0                                    | 18                            | 1                              | 1                                 | 21                               | 6025.98                                | 969                             | 29                                 |
|   | Dec 2018       | 15                                  | 0                                    | 14                            | 0                              | 1                                 | 22                               | 6025.00                                | 959                             | 29                                 |
|   | Jan 2019       | 15                                  | 0                                    | 14                            | 0                              | 0                                 | 22                               | 6024.15                                | 951                             | 28                                 |
|   | Feb 2019       | 19                                  | 0                                    | 19                            | 1                              | 0                                 | 19                               | 6024.00                                | 950                             | 24                                 |
|   | Mar 2019       | 54                                  | 0                                    | 52                            | 1                              | 5                                 | 22                               | 6026.45                                | 973                             | 32                                 |
|   | Apr 2019       | 110                                 | 2                                    | 94                            | 2                              | 21                                | 21                               | 6031.46                                | 1023                            | 50                                 |
|   | May 2019       | 230                                 | 7                                    | 200                           | 3                              | 36                                | 22                               | 6044.60                                | 1163                            | 136                                |
|   | Jun 2019       | 180                                 | 3                                    | 158                           | 4                              | 52                                | 27                               | 6051.14                                | 1239                            | 144                                |
|   | Jul 2019       | 35                                  | 0                                    | 52                            | 4                              | 57                                | 31                               | 6047.72                                | 1199                            | 81                                 |
|   | Aug 2019       | 30                                  | 0                                    | 52                            | 3                              | 48                                | 36                               | 6044.67                                | 1164                            | 65                                 |
|   | Sep 2019       | 30                                  | 0                                    | 47                            | 2                              | 26                                | 31                               | 6043.46                                | 1151                            | 54                                 |
|   | <b>WY 2019</b> | <b>760</b>                          | <b>12</b>                            | <b>743</b>                    | <b>23</b>                      | <b>258</b>                        | <b>299</b>                       |                                        |                                 | <b>709</b>                         |
|   | Oct 2019       | 37                                  | 0                                    | 42                            | 2                              | 10                                | 47                               | 6041.97                                | 1134                            | 70                                 |
|   | Nov 2019       | 30                                  | 0                                    | 24                            | 1                              | 0                                 | 34                               | 6041.01                                | 1124                            | 50                                 |
|   | Dec 2019       | 25                                  | 0                                    | 21                            | 1                              | 0                                 | 25                               | 6040.55                                | 1119                            | 40                                 |
|   | Jan 2020       | 22                                  | 0                                    | 18                            | 1                              | 0                                 | 22                               | 6040.17                                | 1115                            | 36                                 |
|   | Feb 2020       | 30                                  | 0                                    | 27                            | 1                              | 0                                 | 30                               | 6039.81                                | 1111                            | 43                                 |
|   | Mar 2020       | 92                                  | 0                                    | 86                            | 1                              | 6                                 | 92                               | 6038.53                                | 1097                            | 114                                |
|   | Apr 2020       | 170                                 | 2                                    | 146                           | 2                              | 22                                | 170                              | 6034.01                                | 1049                            | 223                                |
|   | May 2020       | 277                                 | 7                                    | 269                           | 3                              | 36                                | 277                              | 6029.33                                | 1002                            | 423                                |
|   | Jun 2020       | 224                                 | 3                                    | 221                           | 3                              | 53                                | 224                              | 6023.32                                | 943                             | 375                                |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Lake Powell



|   | Date           | Unreg<br>Inflow<br>(1000 Ac-Ft) | Regulated<br>Inflow<br>(1000 Ac-Ft) | Evap<br>Losses<br>(1000 Ac-Ft) | PowerPlant<br>Release<br>(1000 Ac-Ft) | Bypass<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | Bank<br>Storage<br>(1000 Ac-Ft) | EOM<br>Storage<br>(1000 Ac-Ft) | Lees<br>Ferry Gage<br>(1000 Ac-Ft) |
|---|----------------|---------------------------------|-------------------------------------|--------------------------------|---------------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|--------------------------------|------------------------------------|
| * | Jul 2017       | 1073                            | 889                                 | 64                             | 850                                   | 0                                 | 850                              | 3634.69                                | 5284                            | 15385                          | 875                                |
| H | Aug 2017       | 446                             | 495                                 | 63                             | 900                                   | 0                                 | 900                              | 3630.88                                | 5250                            | 14952                          | 929                                |
| I | Sep 2017       | 196                             | 410                                 | 57                             | 663                                   | 0                                 | 663                              | 3628.31                                | 5227                            | 14664                          | 671                                |
|   | <b>WY 2017</b> | <b>11905</b>                    | <b>11396</b>                        | <b>409</b>                     | <b>8874</b>                           | <b>126</b>                        | <b>9000</b>                      |                                        |                                 |                                | <b>9152</b>                        |
| S | Oct 2017       | 449                             | 533                                 | 39                             | 640                                   | 0                                 | 640                              | 3627.09                                | 5216                            | 14530                          | 634                                |
| T | Nov 2017       | 387                             | 454                                 | 37                             | 630                                   | 0                                 | 630                              | 3625.29                                | 5200                            | 14332                          | 619                                |
| O | Dec 2017       | 299                             | 483                                 | 29                             | 740                                   | 0                                 | 740                              | 3622.85                                | 5179                            | 14068                          | 733                                |
| R | Jan 2018       | 262                             | 442                                 | 9                              | 860                                   | 0                                 | 860                              | 3619.14                                | 5147                            | 13672                          | 861                                |
| I | Feb 2018       | 269                             | 387                                 | 10                             | 730                                   | 0                                 | 730                              | 3616.02                                | 5121                            | 13346                          | 750                                |
| C | Mar 2018       | 332                             | 395                                 | 16                             | 800                                   | 0                                 | 800                              | 3612.23                                | 5090                            | 12956                          | 835                                |
| A | Apr 2018       | 382                             | 419                                 | 25                             | 705                                   | 0                                 | 705                              | 3609.39                                | 5067                            | 12669                          | 738                                |
| L | May 2018       | 1214                            | 968                                 | 29                             | 705                                   | 0                                 | 705                              | 3611.54                                | 5085                            | 12886                          | 730                                |
| * | Jun 2018       | 883                             | 635                                 | 45                             | 760                                   | 0                                 | 760                              | 3609.98                                | 5072                            | 12728                          | 783                                |
|   | Jul 2018       | 196                             | 350                                 | 53                             | 860                                   | 0                                 | 860                              | 3604.73                                | 5030                            | 12207                          | 879                                |
|   | Aug 2018       | 215                             | 391                                 | 51                             | 900                                   | 0                                 | 900                              | 3599.35                                | 4989                            | 11689                          | 918                                |
|   | Sep 2018       | 225                             | 389                                 | 46                             | 671                                   | 0                                 | 671                              | 3596.14                                | 4965                            | 11386                          | 682                                |
|   | <b>WY 2018</b> | <b>5113</b>                     | <b>5847</b>                         | <b>388</b>                     | <b>9000</b>                           | <b>0</b>                          | <b>9000</b>                      |                                        |                                 |                                | <b>9160</b>                        |
|   | Oct 2018       | 360                             | 444                                 | 31                             | 640                                   | 0                                 | 640                              | 3593.87                                | 4948                            | 11175                          | 646                                |
|   | Nov 2018       | 380                             | 426                                 | 30                             | 640                                   | 0                                 | 640                              | 3591.42                                | 4930                            | 10949                          | 640                                |
|   | Dec 2018       | 300                             | 378                                 | 23                             | 720                                   | 0                                 | 720                              | 3587.67                                | 4903                            | 10611                          | 725                                |
|   | Jan 2019       | 280                             | 356                                 | 7                              | 860                                   | 0                                 | 860                              | 3582.30                                | 4865                            | 10138                          | 871                                |
|   | Feb 2019       | 280                             | 340                                 | 7                              | 750                                   | 0                                 | 750                              | 3577.79                                | 4834                            | 9751                           | 754                                |
|   | Mar 2019       | 460                             | 475                                 | 12                             | 800                                   | 0                                 | 800                              | 3574.06                                | 4809                            | 9439                           | 805                                |
|   | Apr 2019       | 720                             | 652                                 | 19                             | 710                                   | 0                                 | 710                              | 3573.20                                | 4803                            | 9368                           | 718                                |
|   | May 2019       | 1700                            | 1531                                | 23                             | 710                                   | 0                                 | 710                              | 3581.95                                | 4862                            | 10107                          | 716                                |
|   | Jun 2019       | 2250                            | 1788                                | 38                             | 750                                   | 0                                 | 750                              | 3592.34                                | 4936                            | 11033                          | 758                                |
|   | Jul 2019       | 760                             | 689                                 | 47                             | 850                                   | 0                                 | 850                              | 3590.22                                | 4921                            | 10841                          | 869                                |
|   | Aug 2019       | 370                             | 470                                 | 46                             | 900                                   | 0                                 | 900                              | 3585.29                                | 4886                            | 10400                          | 918                                |
|   | Sep 2019       | 340                             | 442                                 | 42                             | 670                                   | 0                                 | 670                              | 3582.44                                | 4866                            | 10150                          | 681                                |
|   | <b>WY 2019</b> | <b>8200</b>                     | <b>7991</b>                         | <b>325</b>                     | <b>9000</b>                           | <b>0</b>                          | <b>9000</b>                      |                                        |                                 |                                | <b>9100</b>                        |
|   | Oct 2019       | 455                             | 519                                 | 28                             | 640                                   | 0                                 | 640                              | 3580.84                                | 4855                            | 10012                          | 646                                |
|   | Nov 2019       | 447                             | 472                                 | 27                             | 640                                   | 0                                 | 640                              | 3578.72                                | 4840                            | 9831                           | 640                                |
|   | Dec 2019       | 363                             | 406                                 | 21                             | 720                                   | 0                                 | 720                              | 3575.03                                | 4815                            | 9520                           | 725                                |
|   | Jan 2020       | 361                             | 400                                 | 6                              | 860                                   | 0                                 | 860                              | 3569.77                                | 4781                            | 9089                           | 871                                |
|   | Feb 2020       | 393                             | 423                                 | 6                              | 750                                   | 0                                 | 750                              | 3565.90                                | 4756                            | 8780                           | 754                                |
|   | Mar 2020       | 665                             | 612                                 | 11                             | 800                                   | 0                                 | 800                              | 3563.55                                | 4741                            | 8596                           | 805                                |
|   | Apr 2020       | 1056                            | 970                                 | 17                             | 710                                   | 0                                 | 710                              | 3566.41                                | 4759                            | 8820                           | 718                                |
|   | May 2020       | 2343                            | 2277                                | 22                             | 710                                   | 0                                 | 710                              | 3583.60                                | 4874                            | 10251                          | 716                                |
|   | Jun 2020       | 2666                            | 2343                                | 39                             | 750                                   | 0                                 | 750                              | 3599.37                                | 4989                            | 11690                          | 758                                |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Hoover Dam - Lake Mead



|   | Date           | Glen Release<br>(1000 Ac-Ft) | Side Inflow<br>Glen to Hoover<br>(1000 Ac-Ft) | Evap Losses<br>(1000 Ac-Ft) | Total Release<br>(1000 Ac-Ft) | Total Release<br>(1000 CFS) | SNWP Use<br>(1000 Ac-Ft) | Downstream Requirements<br>(1000 Ac-Ft) | Bank Storage<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | EOM Storage<br>(1000 Ac-Ft) |
|---|----------------|------------------------------|-----------------------------------------------|-----------------------------|-------------------------------|-----------------------------|--------------------------|-----------------------------------------|------------------------------|----------------------------------------|-----------------------------|
| * | Jul 2017       | 850                          | 89                                            | 66                          | 885                           | 14.4                        | 31                       | 885                                     | 646                          | 1079.03                                | 9931                        |
| H | Aug 2017       | 900                          | 94                                            | 70                          | 863                           | 11.1                        | 28                       | 863                                     | 658                          | 1081.44                                | 10131                       |
| I | Sep 2017       | 663                          | 70                                            | 58                          | 600                           | 10.1                        | 21                       | 591                                     | 662                          | 1082.05                                | 10182                       |
|   | <b>WY 2017</b> | <b>9000</b>                  | <b>995</b>                                    | <b>541</b>                  | <b>8620</b>                   |                             | <b>236</b>               | <b>8591</b>                             |                              |                                        |                             |
| S | Oct 2017       | 640                          | 44                                            | 43                          | 596                           | 9.7                         | 23                       | 595                                     | 663                          | 1082.30                                | 10202                       |
| T | Nov 2017       | 630                          | 40                                            | 42                          | 731                           | 12.3                        | 16                       | 731                                     | 656                          | 1080.95                                | 10090                       |
| O | Dec 2017       | 740                          | 43                                            | 37                          | 594                           | 9.7                         | 12                       | 593                                     | 664                          | 1082.52                                | 10221                       |
| R | Jan 2018       | 860                          | 78                                            | 30                          | 449                           | 7.3                         | 10                       | 448                                     | 692                          | 1087.50                                | 10642                       |
| I | Feb 2018       | 730                          | 60                                            | 28                          | 687                           | 12.4                        | 10                       | 693                                     | 696                          | 1088.21                                | 10703                       |
| C | Mar 2018       | 800                          | 70                                            | 32                          | 833                           | 13.5                        | 14                       | 832                                     | 695                          | 1088.11                                | 10694                       |
| A | Apr 2018       | 705                          | 43                                            | 39                          | 1015                          | 17.1                        | 21                       | 1015                                    | 675                          | 1084.49                                | 10387                       |
| L | May 2018       | 705                          | 23                                            | 44                          | 1055                          | 17.1                        | 28                       | 1054                                    | 651                          | 1080.00                                | 10011                       |
| * | Jun 2018       | 760                          | 28                                            | 53                          | 986                           | 16.6                        | 30                       | 985                                     | 634                          | 1076.81                                | 9748                        |
|   | Jul 2018       | 860                          | 81                                            | 65                          | 834                           | 13.6                        | 37                       | 834                                     | 634                          | 1076.87                                | 9753                        |
|   | Aug 2018       | 900                          | 112                                           | 70                          | 740                           | 12.0                        | 35                       | 740                                     | 644                          | 1078.79                                | 9911                        |
|   | Sep 2018       | 671                          | 105                                           | 58                          | 795                           | 13.4                        | 28                       | 795                                     | 638                          | 1077.60                                | 9813                        |
|   | <b>WY 2018</b> | <b>9000</b>                  | <b>727</b>                                    | <b>541</b>                  | <b>9315</b>                   |                             | <b>264</b>               | <b>9315</b>                             |                              |                                        |                             |
|   | Oct 2018       | 640                          | 69                                            | 42                          | 604                           | 9.8                         | 29                       | 604                                     | 640                          | 1077.99                                | 9845                        |
|   | Nov 2018       | 640                          | 61                                            | 42                          | 761                           | 12.8                        | 22                       | 761                                     | 632                          | 1076.57                                | 9729                        |
|   | Dec 2018       | 720                          | 50                                            | 36                          | 677                           | 11.0                        | 15                       | 677                                     | 635                          | 1077.05                                | 9768                        |
|   | Jan 2019       | 860                          | 78                                            | 30                          | 619                           | 10.1                        | 12                       | 619                                     | 652                          | 1080.21                                | 10029                       |
|   | Feb 2019       | 750                          | 93                                            | 27                          | 685                           | 12.3                        | 14                       | 685                                     | 659                          | 1081.53                                | 10138                       |
|   | Mar 2019       | 800                          | 56                                            | 31                          | 1055                          | 17.2                        | 21                       | 1055                                    | 644                          | 1078.69                                | 9903                        |
|   | Apr 2019       | 710                          | 48                                            | 38                          | 1059                          | 17.8                        | 23                       | 1059                                    | 622                          | 1074.54                                | 9563                        |
|   | May 2019       | 710                          | 31                                            | 43                          | 967                           | 15.7                        | 27                       | 967                                     | 604                          | 1071.08                                | 9286                        |
|   | Jun 2019       | 750                          | 12                                            | 51                          | 907                           | 15.2                        | 33                       | 907                                     | 590                          | 1068.37                                | 9070                        |
|   | Jul 2019       | 850                          | 81                                            | 63                          | 826                           | 13.4                        | 36                       | 826                                     | 590                          | 1068.44                                | 9076                        |
|   | Aug 2019       | 900                          | 112                                           | 67                          | 740                           | 12.0                        | 34                       | 740                                     | 600                          | 1070.46                                | 9236                        |
|   | Sep 2019       | 670                          | 105                                           | 56                          | 734                           | 12.3                        | 27                       | 734                                     | 598                          | 1069.98                                | 9198                        |
|   | <b>WY 2019</b> | <b>9000</b>                  | <b>796</b>                                    | <b>524</b>                  | <b>9633</b>                   |                             | <b>293</b>               | <b>9633</b>                             |                              |                                        |                             |
|   | Oct 2019       | 640                          | 69                                            | 41                          | 510                           | 8.3                         | 28                       | 510                                     | 606                          | 1071.51                                | 9320                        |
|   | Nov 2019       | 640                          | 61                                            | 41                          | 670                           | 11.3                        | 21                       | 670                                     | 604                          | 1071.15                                | 9291                        |
|   | Dec 2019       | 720                          | 50                                            | 35                          | 594                           | 9.7                         | 14                       | 594                                     | 612                          | 1072.64                                | 9410                        |
|   | Jan 2020       | 860                          | 78                                            | 29                          | 607                           | 9.9                         | 14                       | 607                                     | 629                          | 1075.98                                | 9680                        |
|   | Feb 2020       | 750                          | 93                                            | 27                          | 663                           | 11.5                        | 17                       | 663                                     | 638                          | 1077.54                                | 9808                        |
|   | Mar 2020       | 800                          | 56                                            | 30                          | 988                           | 16.1                        | 22                       | 988                                     | 626                          | 1075.43                                | 9636                        |
|   | Apr 2020       | 710                          | 48                                            | 37                          | 997                           | 16.8                        | 25                       | 997                                     | 608                          | 1071.92                                | 9353                        |
|   | May 2020       | 710                          | 31                                            | 42                          | 917                           | 14.9                        | 31                       | 917                                     | 593                          | 1068.99                                | 9120                        |
|   | Jun 2020       | 750                          | 12                                            | 50                          | 929                           | 15.6                        | 31                       | 929                                     | 578                          | 1066.03                                | 8887                        |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Davis Dam - Lake Mohave



|   | Date           | Hoover Release<br>(1000 Ac-Ft) | Side Inflow<br>(1000 Ac-Ft) | Evap Losses<br>(1000 Ac-Ft) | Power Release<br>(1000 Ac-Ft) | Spill Release<br>(1000 Ac-Ft) | Total Release<br>(1000 Ac-Ft) | Total Release<br>(1000 CFS) | Reservoir Elev<br>End of Month<br>(Ft) | EOM<br>Storage<br>(1000 Ac-Ft) |
|---|----------------|--------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|
| * | Jul 2017       | 885                            | -5                          | 26                          | 809                           | 0                             | 809                           | 13.2                        | 644.65                                 | 1744                           |
| H | Aug 2017       | 683                            | -8                          | 23                          | 707                           | 0                             | 707                           | 11.5                        | 642.64                                 | 1689                           |
| I | Sep 2017       | 600                            | -11                         | 18                          | 656                           | 0                             | 656                           | 11.0                        | 639.47                                 | 1603                           |
|   | <b>WY 2017</b> | <b>8620</b>                    | <b>-183</b>                 | <b>199</b>                  | <b>8261</b>                   | <b>0</b>                      | <b>8261</b>                   |                             |                                        |                                |
| S | Oct 2017       | 596                            | -2                          | 15                          | 671                           | 0                             | 671                           | 10.9                        | 636.00                                 | 1512                           |
| T | Nov 2017       | 731                            | -18                         | 11                          | 595                           | 0                             | 595                           | 10.0                        | 640.07                                 | 1619                           |
| O | Dec 2017       | 594                            | -16                         | 9                           | 552                           | 0                             | 552                           | 9.0                         | 640.68                                 | 1636                           |
| R | Jan 2018       | 449                            | 2                           | 10                          | 437                           | 0                             | 437                           | 7.1                         |                                        | 1641                           |
| I | Feb 2018       | 687                            | -4                          | 10                          | 611                           | 0                             | 611                           | 11.0                        | 643.18                                 | 1704                           |
| C | Mar 2018       | 833                            | -1                          | 13                          | 836                           | 0                             | 836                           | 13.6                        | 642.57                                 | 1687                           |
| A | Apr 2018       | 1015                           | -3                          | 17                          | 1001                          | 0                             | 1001                          | 16.8                        | 642.40                                 | 1682                           |
| L | May 2018       | 1055                           | -11                         | 22                          | 1001                          | 0                             | 1001                          | 16.3                        | 643.17                                 | 1703                           |
| * | Jun 2018       | 986                            | -21                         | 26                          | 909                           | 0                             | 909                           | 15.3                        | 644.29                                 | 1734                           |
|   | Jul 2018       | 834                            | -15                         | 25                          | 842                           | 0                             | 842                           | 13.7                        | 642.50                                 | 1685                           |
|   | Aug 2018       | 740                            | -12                         | 23                          | 719                           | 0                             | 719                           | 11.7                        | 642.00                                 | 1671                           |
|   | Sep 2018       | 795                            | -12                         | 18                          | 818                           | 0                             | 818                           | 13.7                        | 640.01                                 | 1617                           |
|   | <b>WY 2018</b> | <b>9315</b>                    | <b>-113</b>                 | <b>198</b>                  | <b>8989</b>                   | <b>0</b>                      | <b>8989</b>                   |                             |                                        |                                |
|   | Oct 2018       | 604                            | -4                          | 15                          | 769                           | 0                             | 769                           | 12.5                        | 633.00                                 | 1434                           |
|   | Nov 2018       | 761                            | -12                         | 10                          | 686                           | 0                             | 686                           | 11.5                        | 635.00                                 | 1486                           |
|   | Dec 2018       | 677                            | -12                         | 9                           | 559                           | 0                             | 559                           | 9.1                         | 638.71                                 | 1583                           |
|   | Jan 2019       | 619                            | -19                         | 10                          | 507                           | 0                             | 507                           | 8.2                         | 641.80                                 | 1666                           |
|   | Feb 2019       | 685                            | -15                         | 10                          | 660                           | 0                             | 660                           | 11.9                        | 641.80                                 | 1666                           |
|   | Mar 2019       | 1055                           | -17                         | 13                          | 990                           | 0                             | 990                           | 16.1                        | 643.05                                 | 1700                           |
|   | Apr 2019       | 1059                           | -20                         | 17                          | 1024                          | 0                             | 1024                          | 17.2                        | 643.00                                 | 1699                           |
|   | May 2019       | 967                            | -12                         | 22                          | 933                           | 0                             | 933                           | 15.2                        | 643.00                                 | 1699                           |
|   | Jun 2019       | 907                            | -15                         | 25                          | 867                           | 0                             | 867                           | 14.6                        | 643.00                                 | 1699                           |
|   | Jul 2019       | 826                            | -15                         | 25                          | 812                           | 0                             | 812                           | 13.2                        | 642.00                                 | 1671                           |
|   | Aug 2019       | 740                            | -12                         | 23                          | 706                           | 0                             | 706                           | 11.5                        | 642.00                                 | 1671                           |
|   | Sep 2019       | 734                            | -12                         | 18                          | 757                           | 0                             | 757                           | 12.7                        | 640.01                                 | 1618                           |
|   | <b>WY 2019</b> | <b>9633</b>                    | <b>-166</b>                 | <b>197</b>                  | <b>9269</b>                   | <b>0</b>                      | <b>9269</b>                   |                             |                                        |                                |
|   | Oct 2019       | 510                            | -4                          | 15                          | 675                           | 0                             | 675                           | 11.0                        | 633.00                                 | 1434                           |
|   | Nov 2019       | 670                            | -12                         | 10                          | 595                           | 0                             | 595                           | 10.0                        | 635.00                                 | 1486                           |
|   | Dec 2019       | 594                            | -12                         | 9                           | 476                           | 0                             | 476                           | 7.7                         | 638.71                                 | 1583                           |
|   | Jan 2020       | 607                            | -19                         | 10                          | 495                           | 0                             | 495                           | 8.1                         | 641.80                                 | 1666                           |
|   | Feb 2020       | 663                            | -15                         | 10                          | 638                           | 0                             | 638                           | 11.1                        | 641.80                                 | 1666                           |
|   | Mar 2020       | 988                            | -17                         | 13                          | 923                           | 0                             | 923                           | 15.0                        | 643.05                                 | 1700                           |
|   | Apr 2020       | 997                            | -20                         | 17                          | 962                           | 0                             | 962                           | 16.2                        | 643.00                                 | 1699                           |
|   | May 2020       | 917                            | -12                         | 22                          | 882                           | 0                             | 882                           | 14.3                        | 643.00                                 | 1699                           |
|   | Jun 2020       | 929                            | -15                         | 25                          | 888                           | 0                             | 888                           | 14.9                        | 643.00                                 | 1699                           |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Parker Dam - Lake Havasu



|   | Date           | Davis<br>Release<br>(1000 Ac-Ft) | Side<br>Inflow<br>(1000 Ac-Ft) | Evap<br>Losses<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 Ac-Ft) | Total<br>Release<br>(1000 CFS) | MWD<br>Diversion<br>(1000 Ac-Ft) | CAP<br>Diversion<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | EOM<br>Storage<br>(1000 Ac-Ft) | Flow To<br>Mexico<br>(1000 Ac-Ft) | Flow To<br>Mexico<br>(1000 CFS) |
|---|----------------|----------------------------------|--------------------------------|--------------------------------|----------------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------------|--------------------------------|-----------------------------------|---------------------------------|
| * | Jul 2017       | 809                              | 18                             | 17                             | 666                              | 10.8                           | 58                               | 71                               | 448.63                                 | 592                            | 131                               | 2.1                             |
| H | Aug 2017       | 707                              | 12                             | 17                             | 570                              | 9.3                            | 58                               | 70                               | 448.28                                 | 585                            | 102                               | 1.7                             |
| I | Sep 2017       | 656                              | 16                             | 15                             | 481                              | 8.1                            | 56                               | 134                              | 447.17                                 | 564                            | 104                               | 1.7                             |
|   | <b>WY 2017</b> | <b>8261</b>                      | <b>220</b>                     | <b>140</b>                     | <b>6204</b>                      |                                | <b>664</b>                       | <b>1406</b>                      |                                        |                                | <b>1513</b>                       |                                 |
| S | Oct 2017       | 671                              | 9                              | 12                             | 478                              | 7.8                            | 69                               | 131                              | 446.27                                 | 548                            | 65                                | 1.1                             |
| T | Nov 2017       | 595                              | 12                             | 9                              | 349                              | 5.9                            | 89                               | 127                              | 447.86                                 | 577                            | 99                                | 1.7                             |
| O | Dec 2017       | 552                              | 17                             | 7                              | 335                              | 5.5                            | 100                              | 144                              | 446.80                                 | 557                            | 109                               | 1.8                             |
| R | Jan 2018       | 437                              | 3                              | 6                              | 329                              | 5.3                            | 29                               | 90                               | 445.81                                 | 539                            | 125                               | 2.0                             |
| I | Feb 2018       | 611                              | 3                              | 8                              | 429                              | 7.7                            | 12                               | 109                              | 448.52                                 | 590                            | 145                               | 2.6                             |
| C | Mar 2018       | 836                              | -3                             | 9                              | 637                              | 10.4                           | 61                               | 139                              | 447.46                                 | 570                            | 195                               | 3.2                             |
| A | Apr 2018       | 1001                             | -8                             | 11                             | 735                              | 12.4                           | 75                               | 168                              | 447.13                                 | 564                            | 175                               | 2.9                             |
| L | May 2018       | 1001                             | 10                             | 13                             | 697                              | 11.3                           | 87                               | 178                              | 448.51                                 | 590                            | 124                               | 2.0                             |
| * | Jun 2018       | 909                              | 6                              | 15                             | 712                              | 12.0                           | 91                               | 88                               | 448.43                                 | 588                            | 136                               | 2.3                             |
|   | Jul 2018       | 842                              | 21                             | 17                             | 668                              | 10.9                           | 99                               | 74                               | 448.00                                 | 580                            | 132                               | 2.2                             |
|   | Aug 2018       | 719                              | 23                             | 17                             | 590                              | 9.6                            | 99                               | 33                               | 447.50                                 | 571                            | 93                                | 1.5                             |
|   | Sep 2018       | 818                              | 17                             | 15                             | 533                              | 9.0                            | 96                               | 181                              | 447.50                                 | 570                            | 96                                | 1.6                             |
|   | <b>WY 2018</b> | <b>8989</b>                      | <b>109</b>                     | <b>139</b>                     | <b>6492</b>                      |                                | <b>908</b>                       | <b>1462</b>                      |                                        |                                | <b>1495</b>                       |                                 |
|   | Oct 2018       | 769                              | 23                             | 12                             | 487                              | 7.9                            | 99                               | 187                              | 447.50                                 | 571                            | 65                                | 1.1                             |
|   | Nov 2018       | 686                              | 16                             | 9                              | 405                              | 6.8                            | 95                               | 187                              | 447.50                                 | 571                            | 99                                | 1.7                             |
|   | Dec 2018       | 559                              | 18                             | 7                              | 301                              | 4.9                            | 98                               | 186                              | 446.50                                 | 552                            | 109                               | 1.8                             |
|   | Jan 2019       | 507                              | 21                             | 6                              | 318                              | 5.2                            | 78                               | 121                              | 446.50                                 | 552                            | 138                               | 2.2                             |
|   | Feb 2019       | 660                              | 11                             | 8                              | 485                              | 8.7                            | 51                               | 121                              | 446.50                                 | 552                            | 160                               | 2.9                             |
|   | Mar 2019       | 990                              | 7                              | 9                              | 718                              | 11.7                           | 69                               | 189                              | 446.70                                 | 555                            | 198                               | 3.2                             |
|   | Apr 2019       | 1024                             | 16                             | 11                             | 710                              | 11.9                           | 88                               | 184                              | 448.70                                 | 593                            | 175                               | 2.9                             |
|   | May 2019       | 933                              | 15                             | 13                             | 642                              | 10.4                           | 90                               | 189                              | 448.70                                 | 593                            | 104                               | 1.7                             |
|   | Jun 2019       | 867                              | 13                             | 16                             | 683                              | 11.5                           | 88                               | 79                               | 448.70                                 | 593                            | 105                               | 1.8                             |
|   | Jul 2019       | 812                              | 21                             | 17                             | 647                              | 10.5                           | 90                               | 79                               | 448.00                                 | 580                            | 111                               | 1.8                             |
|   | Aug 2019       | 706                              | 23                             | 17                             | 589                              | 9.6                            | 90                               | 29                               | 447.50                                 | 571                            | 100                               | 1.6                             |
|   | Sep 2019       | 757                              | 17                             | 15                             | 509                              | 8.6                            | 88                               | 152                              | 447.50                                 | 570                            | 89                                | 1.5                             |
|   | <b>WY 2019</b> | <b>9269</b>                      | <b>200</b>                     | <b>139</b>                     | <b>6494</b>                      |                                | <b>1027</b>                      | <b>1703</b>                      |                                        |                                | <b>1452</b>                       |                                 |
|   | Oct 2019       | 675                              | 23                             | 12                             | 490                              | 8.0                            | 48                               | 141                              | 447.50                                 | 571                            | 74                                | 1.2                             |
|   | Nov 2019       | 595                              | 16                             | 9                              | 408                              | 6.9                            | 48                               | 141                              | 447.50                                 | 571                            | 116                               | 1.9                             |
|   | Dec 2019       | 476                              | 18                             | 7                              | 313                              | 5.1                            | 48                               | 141                              | 446.50                                 | 552                            | 131                               | 2.1                             |
|   | Jan 2020       | 495                              | 21                             | 6                              | 313                              | 5.1                            | 86                               | 106                              | 446.50                                 | 552                            | 134                               | 2.2                             |
|   | Feb 2020       | 638                              | 11                             | 8                              | 479                              | 8.3                            | 57                               | 100                              | 446.50                                 | 552                            | 155                               | 2.7                             |
|   | Mar 2020       | 923                              | 7                              | 9                              | 708                              | 11.5                           | 76                               | 125                              | 446.70                                 | 555                            | 191                               | 3.1                             |
|   | Apr 2020       | 962                              | 16                             | 11                             | 699                              | 11.7                           | 97                               | 125                              | 448.70                                 | 593                            | 168                               | 2.8                             |
|   | May 2020       | 882                              | 15                             | 13                             | 635                              | 10.3                           | 99                               | 137                              | 448.70                                 | 593                            | 100                               | 1.6                             |
|   | Jun 2020       | 888                              | 13                             | 16                             | 675                              | 11.3                           | 97                               | 100                              | 448.70                                 | 593                            | 102                               | 1.7                             |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Hoover Dam - Lake Mead



|                | Date     | Power Release<br>(1000 Ac-Ft) | Power Release<br>(1000 CFS) | Reservoir Elev<br>End of Month<br>(Ft) | EOM<br>Storage<br>(1000 Ac-Ft) | Change In<br>Storage<br>(1000 Ac-Ft) | Hoover<br>Static Head<br>(Ft) | Hoover Gen<br>Capacity<br>MW | Hoover<br>Gross Energy<br>MKWH | Percent of<br>Units<br>Available | KWH/AF |
|----------------|----------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| *              | Jul 2017 | 885                           | 14.4                        | 1079.03                                | 9931                           | -40                                  | 432.24                        | 1499.0                       | 341.1                          | 94                               | 385.5  |
| H              | Aug 2017 | 683                           | 11.1                        | 1081.44                                | 10131                          | 200                                  | 436.25                        | 1478.1                       | 261.0                          | 93                               | 382.0  |
| I              | Sep 2017 | 600                           | 10.1                        | 1082.05                                | 10182                          | 51                                   | 440.10                        | 976.1                        | 230.7                          | 66                               | 384.8  |
| <b>WY 2017</b> |          | <b>8620</b>                   |                             |                                        |                                |                                      |                               |                              | <b>3347.1</b>                  |                                  |        |
| S              | Oct 2017 | 596                           | 9.7                         | 1082.30                                | 10202                          | 21                                   | 441.43                        | 976.1                        | 229.0                          | 66                               | 384.2  |
| T              | Nov 2017 | 731                           | 12.3                        | 1080.95                                | 10090                          | -113                                 | 435.01                        | 996.0                        | 287.9                          | 63                               | 393.6  |
| O              | Dec 2017 | 594                           | 9.7                         | 1082.52                                | 10221                          | 131                                  | 439.05                        | 821.0                        | 235.7                          | 52                               | 396.6  |
| R              | Jan 2018 | 449                           | 7.3                         | 1087.50                                | 10642                          | 421                                  | 442.14                        | 834.0                        | 176.5                          | 51                               | 392.9  |
| I              | Feb 2018 | 687                           | 12.4                        | 1088.21                                | 10703                          | 61                                   | 441.97                        | 1220.1                       | 275.0                          | 75                               | 400.3  |
| C              | Mar 2018 | 833                           | 13.5                        | 1088.11                                | 10694                          | -9                                   | 442.23                        | 1005.9                       | 333.9                          | 62                               | 400.8  |
| A              | Apr 2018 | 1015                          | 17.1                        | 1084.49                                | 10387                          | -308                                 | 437.15                        | 880.9                        | 406.2                          | 55                               | 400.0  |
| L              | May 2018 | 1055                          | 17.1                        | 1080.00                                | 10011                          | -376                                 | 432.39                        | 1385.9                       | 412.1                          | 88                               | 390.8  |
| *              | Jun 2018 | 986                           | 16.6                        | 1076.81                                | 9748                           | -263                                 | 428.91                        | 1552.0                       | 378.6                          | 100                              | 384.1  |
|                | Jul 2018 | 834                           | 13.6                        | 1076.87                                | 9753                           | 5                                    | 423.13                        | 1552.0                       | 321.5                          | 100                              | 385.7  |
|                | Aug 2018 | 740                           | 12.0                        | 1078.79                                | 9911                           | 157                                  | 424.86                        | 1562.0                       | 282.9                          | 100                              | 382.4  |
|                | Sep 2018 | 795                           | 13.4                        | 1077.60                                | 9813                           | -98                                  | 426.03                        | 1552.0                       | 308.0                          | 100                              | 387.7  |
| <b>WY 2018</b> |          | <b>9315</b>                   |                             |                                        |                                |                                      |                               |                              | <b>3647.4</b>                  |                                  |        |
|                | Oct 2018 | 604                           | 9.8                         | 1077.99                                | 9845                           | 32                                   | 430.49                        | 1178.0                       | 234.0                          | 76                               | 387.2  |
|                | Nov 2018 | 761                           | 12.8                        | 1076.57                                | 9729                           | -116                                 | 433.08                        | 1060.0                       | 302.3                          | 68                               | 397.5  |
|                | Dec 2018 | 677                           | 11.0                        | 1077.05                                | 9768                           | 39                                   | 429.46                        | 1248.0                       | 260.6                          | 80                               | 384.9  |
|                | Jan 2019 | 619                           | 10.1                        | 1080.21                                | 10029                          | 261                                  | 430.93                        | 990.0                        | 242.0                          | 63                               | 391.2  |
|                | Feb 2019 | 685                           | 12.3                        | 1081.53                                | 10138                          | 110                                  | 432.16                        | 999.0                        | 271.5                          | 63                               | 396.6  |
|                | Mar 2019 | 1055                          | 17.2                        | 1078.69                                | 9903                           | -235                                 | 430.90                        | 993.0                        | 422.2                          | 64                               | 400.2  |
|                | Apr 2019 | 1059                          | 17.8                        | 1074.54                                | 9563                           | -340                                 | 425.94                        | 1135.9                       | 415.9                          | 74                               | 392.8  |
|                | May 2019 | 967                           | 15.7                        | 1071.08                                | 9286                           | -278                                 | 422.18                        | 1116.0                       | 375.5                          | 74                               | 388.3  |
|                | Jun 2019 | 907                           | 15.2                        | 1068.37                                | 9070                           | -215                                 | 416.35                        | 1499.0                       | 341.3                          | 100                              | 376.1  |
|                | Jul 2019 | 826                           | 13.4                        | 1068.44                                | 9076                           | 6                                    | 415.37                        | 1499.0                       | 312.2                          | 100                              | 378.2  |
|                | Aug 2019 | 740                           | 12.0                        | 1070.46                                | 9236                           | 160                                  | 416.73                        | 1512.0                       | 277.8                          | 100                              | 375.3  |
|                | Sep 2019 | 734                           | 12.3                        | 1069.98                                | 9198                           | -39                                  | 418.13                        | 1512.0                       | 277.0                          | 100                              | 377.5  |
| <b>WY 2019</b> |          | <b>9633</b>                   |                             |                                        |                                |                                      |                               |                              | <b>3732.3</b>                  |                                  |        |
|                | Oct 2019 | 510                           | 8.3                         | 1071.51                                | 9320                           | 122                                  | 422.23                        | 1341.0                       | 195.7                          | 88                               | 383.5  |
|                | Nov 2019 | 670                           | 11.3                        | 1071.15                                | 9291                           | -29                                  | 427.27                        | 1018.9                       | 258.9                          | 67                               | 386.7  |
|                | Dec 2019 | 594                           | 9.7                         | 1072.64                                | 9410                           | 119                                  | 424.57                        | 1203.8                       | 226.2                          | 80                               | 380.9  |
|                | Jan 2020 | 607                           | 9.9                         | 1075.98                                | 9680                           | 270                                  | 426.63                        | 946.7                        | 234.8                          | 63                               | 386.7  |
|                | Feb 2020 | 663                           | 11.5                        | 1077.54                                | 9808                           | 128                                  | 428.07                        | 947.4                        | 258.5                          | 63                               | 389.8  |
|                | Mar 2020 | 988                           | 16.1                        | 1075.43                                | 9636                           | -172                                 | 427.30                        | 946.0                        | 388.1                          | 64                               | 393.0  |
|                | Apr 2020 | 997                           | 16.8                        | 1071.92                                | 9353                           | -283                                 | 423.02                        | 1077.6                       | 385.8                          | 74                               | 386.8  |
|                | May 2020 | 917                           | 14.9                        | 1068.99                                | 9120                           | -233                                 | 419.84                        | 1059.1                       | 351.7                          | 74                               | 383.6  |
|                | Jun 2020 | 929                           | 15.6                        | 1066.03                                | 8887                           | -233                                 | 414.15                        | 1408.7                       | 348.4                          | 100                              | 375.0  |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Davis Dam - Lake Mohave



|                | Date     | Power Release<br>(1000 Ac-Ft) | Power Release<br>(1000 CFS) | Reservoir Elev<br>End of Month<br>(Ft) | EOM<br>Storage<br>(1000 Ac-Ft) | Change In<br>Storage<br>(1000 Ac-Ft) | Davis<br>Static Head<br>(Ft) | Davis Gen<br>Capacity<br>MW | Davis<br>Gross Energy<br>MKWH | Percent of<br>Units<br>Available | KWH/AF |
|----------------|----------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|--------------------------------------|------------------------------|-----------------------------|-------------------------------|----------------------------------|--------|
| *              | Jul 2017 | 809                           | 13.2                        | 644.65                                 | 1744                           | 45                                   | 143.65                       | 255.0                       | 101.5                         | 100                              | 125.5  |
| H              | Aug 2017 | 707                           | 11.5                        | 642.64                                 | 1689                           | -55                                  | 143.10                       | 255.0                       | 89.9                          | 100                              | 127.1  |
| I              | Sep 2017 | 656                           | 11.0                        | 639.47                                 | 1603                           | -86                                  | 138.07                       | 253.3                       | 83.2                          | 99                               | 126.8  |
| <b>WY 2017</b> |          | <b>8261</b>                   |                             |                                        |                                |                                      |                              |                             | <b>1061.4</b>                 |                                  |        |
| S              | Oct 2017 | 671                           | 10.9                        | 636.00                                 | 1512                           | -91                                  | 134.26                       | 179.3                       | 81.3                          | 70                               | 121.3  |
| T              | Nov 2017 | 595                           | 10.0                        | 640.07                                 | 1619                           | 107                                  | 138.81                       | 151.3                       | 73.1                          | 59                               | 122.7  |
| O              | Dec 2017 | 552                           | 9.0                         | 640.68                                 | 1636                           | 17                                   | 139.44                       | 131.6                       | 69.5                          | 52                               | 126.0  |
| R              | Jan 2018 | 437                           | 7.1                         |                                        | 1641                           | 5                                    | 141.78                       | 159.6                       | 55.0                          | 63                               | 125.9  |
| I              | Feb 2018 | 611                           | 11.0                        | 643.18                                 | 1704                           | 63                                   | 142.18                       | 162.1                       | 76.6                          | 64                               | 125.4  |
| C              | Mar 2018 | 836                           | 13.6                        | 642.57                                 | 1687                           | -17                                  | 139.99                       | 189.2                       | 105.4                         | 74                               | 126.1  |
| A              | Apr 2018 | 1001                          | 16.8                        | 642.40                                 | 1682                           | -5                                   | 141.14                       | 207.4                       | 125.1                         | 81                               | 125.0  |
| L              | May 2018 | 1001                          | 16.3                        | 643.17                                 | 1703                           | 21                                   | 141.89                       | 204.0                       | 126.2                         | 80                               | 126.1  |
| *              | Jun 2018 | 909                           | 15.3                        | 644.29                                 | 1734                           | 31                                   | 143.00                       | 255.0                       | 115.0                         | 100                              | 126.6  |
|                | Jul 2018 | 842                           | 13.7                        | 642.50                                 | 1685                           | -49                                  | 136.44                       | 255.0                       | 106.1                         | 100                              | 126.0  |
|                | Aug 2018 | 719                           | 11.7                        | 642.00                                 | 1671                           | -14                                  | 135.25                       | 255.0                       | 90.4                          | 100                              | 125.7  |
|                | Sep 2018 | 818                           | 13.7                        | 640.01                                 | 1617                           | -54                                  | 133.94                       | 255.0                       | 101.3                         | 100                              | 123.9  |
| <b>WY 2018</b> |          | <b>8989</b>                   |                             |                                        |                                |                                      |                              |                             | <b>1124.9</b>                 |                                  |        |
|                | Oct 2018 | 769                           | 12.5                        | 633.00                                 | 1434                           | -183                                 | 130.59                       | 207.3                       | 92.5                          | 81                               | 120.2  |
|                | Nov 2018 | 686                           | 11.5                        | 635.00                                 | 1486                           | 51                                   | 129.19                       | 170.0                       | 81.2                          | 67                               | 118.3  |
|                | Dec 2018 | 559                           | 9.1                         | 638.71                                 | 1583                           | 97                                   | 132.25                       | 167.8                       | 68.1                          | 66                               | 121.8  |
|                | Jan 2019 | 507                           | 8.2                         | 641.80                                 | 1666                           | 83                                   | 134.43                       | 210.6                       | 63.4                          | 83                               | 125.2  |
|                | Feb 2019 | 660                           | 11.9                        | 641.80                                 | 1666                           | 0                                    | 136.73                       | 187.6                       | 82.6                          | 74                               | 125.2  |
|                | Mar 2019 | 990                           | 16.1                        | 643.05                                 | 1700                           | 34                                   | 137.26                       | 190.8                       | 123.2                         | 75                               | 124.4  |
|                | Apr 2019 | 1024                          | 17.2                        | 643.00                                 | 1699                           | -1                                   | 136.07                       | 255.0                       | 127.6                         | 100                              | 124.6  |
|                | May 2019 | 933                           | 15.2                        | 643.00                                 | 1699                           | 0                                    | 136.04                       | 255.0                       | 116.8                         | 100                              | 125.2  |
|                | Jun 2019 | 867                           | 14.6                        | 643.00                                 | 1699                           | 0                                    | 136.04                       | 255.0                       | 108.7                         | 100                              | 125.4  |
|                | Jul 2019 | 812                           | 13.2                        | 642.00                                 | 1671                           | -27                                  | 135.51                       | 255.0                       | 101.9                         | 100                              | 125.4  |
|                | Aug 2019 | 706                           | 11.5                        | 642.00                                 | 1671                           | 0                                    | 134.99                       | 255.0                       | 88.6                          | 100                              | 125.5  |
|                | Sep 2019 | 757                           | 12.7                        | 640.01                                 | 1618                           | -54                                  | 133.94                       | 255.0                       | 94.0                          | 100                              | 124.2  |
| <b>WY 2019</b> |          | <b>9269</b>                   |                             |                                        |                                |                                      |                              |                             | <b>1148.6</b>                 |                                  |        |
|                | Oct 2019 | 675                           | 11.0                        | 633.00                                 | 1434                           | -183                                 | 130.59                       | 207.3                       | 81.5                          | 81                               | 120.8  |
|                | Nov 2019 | 595                           | 10.0                        | 635.00                                 | 1486                           | 51                                   | 129.19                       | 170.0                       | 70.8                          | 67                               | 118.9  |
|                | Dec 2019 | 476                           | 7.7                         | 638.71                                 | 1583                           | 97                                   | 132.25                       | 167.8                       | 58.2                          | 66                               | 122.3  |
|                | Jan 2020 | 495                           | 8.1                         | 641.80                                 | 1666                           | 83                                   | 133.85                       | 230.3                       | 62.1                          | 90                               | 125.3  |
|                | Feb 2020 | 638                           | 11.1                        | 641.80                                 | 1666                           | 0                                    | 136.73                       | 187.6                       | 80.1                          | 74                               | 125.5  |
|                | Mar 2020 | 923                           | 15.0                        | 643.05                                 | 1700                           | 34                                   | 137.26                       | 190.8                       | 115.1                         | 75                               | 124.8  |
|                | Apr 2020 | 962                           | 16.2                        | 643.00                                 | 1699                           | -1                                   | 136.07                       | 255.0                       | 120.2                         | 100                              | 124.9  |
|                | May 2020 | 882                           | 14.3                        | 643.00                                 | 1699                           | 0                                    | 136.04                       | 255.0                       | 110.7                         | 100                              | 125.5  |
|                | Jun 2020 | 888                           | 14.9                        | 643.00                                 | 1699                           | 0                                    | 136.04                       | 255.0                       | 111.3                         | 100                              | 125.3  |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Parker Dam - Lake Havasu



|                | Date     | Power Release<br>(1000 Ac-Ft) | Power Release<br>(1000 CFS) | Reservoir Elev<br>End of Month<br>(Ft) | EOM<br>Storage<br>(1000 Ac-Ft) | Change In<br>Storage<br>(1000 Ac-Ft) | Parker<br>Static Head<br>(Ft) | Parker Gen<br>Capacity<br>MW | Parker<br>Gross Energy<br>MKWH | Percent of<br>Units<br>Available | KWH/AF |
|----------------|----------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| *              | Jul 2017 | 666                           | 10.8                        | 448.63                                 | 592                            | 4                                    | 82.74                         | 120.0                        | 46.5                           | 100                              | 69.9   |
| H              | Aug 2017 | 570                           | 9.3                         | 448.28                                 | 585                            | -7                                   | 82.37                         | 120.0                        | 39.9                           | 100                              | 70.0   |
| I              | Sep 2017 | 481                           | 8.1                         | 447.17                                 | 564                            | -21                                  | 81.08                         | 120.0                        | 33.8                           | 100                              | 70.2   |
| <b>WY 2017</b> |          | <b>6204</b>                   |                             |                                        |                                |                                      |                               |                              | <b>434.1</b>                   |                                  |        |
| S              | Oct 2017 | 478                           | 7.8                         | 446.27                                 | 548                            | -17                                  | 80.03                         | 92.9                         | 33.6                           | 77                               | 70.4   |
| T              | Nov 2017 | 349                           | 5.9                         | 447.86                                 | 577                            | 30                                   | 81.65                         | 90.0                         | 24.1                           | 75                               | 69.2   |
| O              | Dec 2017 | 335                           | 5.5                         | 446.80                                 | 557                            | -20                                  | 81.55                         | 92.9                         | 22.5                           | 77                               | 67.0   |
| R              | Jan 2018 | 329                           | 5.3                         | 445.81                                 | 539                            | -18                                  | 80.05                         | 117.1                        | 22.8                           | 98                               | 69.2   |
| I              | Feb 2018 | 429                           | 7.7                         | 448.52                                 | 590                            | 50                                   | 81.30                         | 92.1                         | 30.3                           | 77                               | 70.6   |
| C              | Mar 2018 | 638                           | 10.4                        | 447.46                                 | 570                            | -20                                  | 81.79                         | 102.6                        | 44.9                           | 85                               | 70.4   |
| A              | Apr 2018 | 735                           | 12.4                        | 447.13                                 | 564                            | -6                                   | 81.11                         | 120.0                        | 50.8                           | 100                              | 69.1   |
| L              | May 2018 | 697                           | 11.3                        | 448.51                                 | 590                            | 26                                   | 82.36                         | 120.0                        | 48.5                           | 100                              | 69.6   |
| *              | Jun 2018 | 712                           | 12.0                        | 448.43                                 | 588                            | -1                                   | 80.33                         | 120.0                        | 49.7                           | 100                              | 69.9   |
|                | Jul 2018 | 668                           | 10.9                        | 448.00                                 | 580                            | -8                                   | 75.58                         | 120.0                        | 44.1                           | 100                              | 66.0   |
|                | Aug 2018 | 590                           | 9.6                         | 447.50                                 | 571                            | -9                                   | 75.13                         | 120.0                        | 38.6                           | 100                              | 65.4   |
|                | Sep 2018 | 533                           | 9.0                         | 447.50                                 | 570                            | 0                                    | 74.89                         | 120.0                        | 34.7                           | 100                              | 65.1   |
| <b>WY 2018</b> |          | <b>6492</b>                   |                             |                                        |                                |                                      |                               |                              | <b>444.5</b>                   |                                  |        |
|                | Oct 2018 | 487                           | 7.9                         | 447.50                                 | 571                            | 0                                    | 76.19                         | 91.9                         | 32.1                           | 77                               | 66.0   |
|                | Nov 2018 | 405                           | 6.8                         | 447.50                                 | 571                            | 0                                    | 75.83                         | 99.0                         | 26.4                           | 83                               | 65.2   |
|                | Dec 2018 | 301                           | 4.9                         | 446.50                                 | 552                            | -19                                  | 74.40                         | 120.0                        | 18.9                           | 100                              | 62.8   |
|                | Jan 2019 | 318                           | 5.2                         | 446.50                                 | 552                            | 0                                    | 75.02                         | 95.8                         | 20.2                           | 80                               | 63.6   |
|                | Feb 2019 | 485                           | 8.7                         | 446.50                                 | 552                            | 0                                    | 75.21                         | 92.1                         | 31.8                           | 77                               | 65.5   |
|                | Mar 2019 | 718                           | 11.7                        | 446.70                                 | 555                            | 4                                    | 74.34                         | 112.3                        | 46.9                           | 94                               | 65.3   |
|                | Apr 2019 | 710                           | 11.9                        | 448.70                                 | 593                            | 38                                   | 75.08                         | 120.0                        | 46.7                           | 100                              | 65.8   |
|                | May 2019 | 642                           | 10.4                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 42.6                           | 100                              | 66.3   |
|                | Jun 2019 | 683                           | 11.5                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 45.4                           | 100                              | 66.5   |
|                | Jul 2019 | 647                           | 10.5                        | 448.00                                 | 580                            | -13                                  | 75.71                         | 120.0                        | 42.7                           | 100                              | 66.1   |
|                | Aug 2019 | 589                           | 9.6                         | 447.50                                 | 571                            | -9                                   | 75.13                         | 120.0                        | 38.5                           | 100                              | 65.4   |
|                | Sep 2019 | 509                           | 8.6                         | 447.50                                 | 570                            | 0                                    | 74.89                         | 120.0                        | 33.1                           | 100                              | 65.0   |
| <b>WY 2019</b> |          | <b>6494</b>                   |                             |                                        |                                |                                      |                               |                              | <b>425.4</b>                   |                                  |        |
|                | Oct 2019 | 490                           | 8.0                         | 447.50                                 | 571                            | 0                                    | 76.29                         | 90.0                         | 32.4                           | 75                               | 66.1   |
|                | Nov 2019 | 408                           | 6.9                         | 447.50                                 | 571                            | 0                                    | 76.14                         | 93.0                         | 26.7                           | 78                               | 65.5   |
|                | Dec 2019 | 313                           | 5.1                         | 446.50                                 | 552                            | -19                                  | 74.40                         | 120.0                        | 19.7                           | 100                              | 63.0   |
|                | Jan 2020 | 313                           | 5.1                         | 446.50                                 | 552                            | 0                                    | 75.02                         | 95.8                         | 19.9                           | 80                               | 63.6   |
|                | Feb 2020 | 479                           | 8.3                         | 446.50                                 | 552                            | 0                                    | 75.21                         | 92.1                         | 31.3                           | 77                               | 65.4   |
|                | Mar 2020 | 708                           | 11.5                        | 446.70                                 | 555                            | 4                                    | 74.34                         | 112.3                        | 46.2                           | 94                               | 65.3   |
|                | Apr 2020 | 699                           | 11.7                        | 448.70                                 | 593                            | 38                                   | 75.08                         | 120.0                        | 46.0                           | 100                              | 65.8   |
|                | May 2020 | 635                           | 10.3                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 42.1                           | 100                              | 66.3   |
|                | Jun 2020 | 675                           | 11.3                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 44.9                           | 100                              | 66.5   |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS



July 2018 24-Month Study

Most Probable Inflow\*

Upper Basin Power



| Date               | Glen<br>Canyon<br>1000 MWHR | Flaming<br>Gorge<br>1000 MWHR | Blue<br>Mesa<br>1000 MWHR | Morrow<br>Point<br>1000 MWHR | Crystal<br>Reservoir<br>1000 MWHR | Fontenelle<br>Reservoir<br>1000 MWHR |
|--------------------|-----------------------------|-------------------------------|---------------------------|------------------------------|-----------------------------------|--------------------------------------|
| * Jul 2017         | 399                         | 71                            | 35                        | 13                           | 18                                | 8                                    |
| H Aug 2017         | 421                         | 56                            | 34                        | 0                            | 22                                | 9                                    |
| I Sep 2017         | 306                         | 56                            | 35                        | 33                           | 22                                | 6                                    |
| <b>Summer 2017</b> | <b>2033</b>                 | <b>492</b>                    | <b>202</b>                | <b>207</b>                   | <b>93</b>                         | <b>33</b>                            |
| S Oct 2017         | 294                         | 42                            | 30                        | 37                           | 21                                | 7                                    |
| T Nov 2017         | 288                         | 55                            | 12                        | 14                           | 8                                 | 7                                    |
| O Dec 2017         | 339                         | 68                            | 27                        | 33                           | 19                                | 6                                    |
| R Jan 2018         | 394                         | 68                            | 17                        | 21                           | 12                                | 6                                    |
| I Feb 2018         | 335                         | 60                            | 9                         | 12                           | 3                                 | 5                                    |
| C Mar 2018         | 364                         | 41                            | 12                        | 16                           | 9                                 | 1                                    |
| <b>Winter 2018</b> | <b>2013</b>                 | <b>334</b>                    | <b>107</b>                | <b>133</b>                   | <b>71</b>                         | <b>31</b>                            |
| A Apr 2018         | 318                         | 39                            | 23                        | 27                           | 16                                | 5                                    |
| L May 2018         | 318                         | 63                            | 23                        | 33                           | 20                                | 7                                    |
| * Jun 2018         | 343                         | 50                            | 27                        | 34                           | 20                                | 8                                    |
| Jul 2018           | 345                         | 44                            | 29                        | 38                           | 18                                | 8                                    |
| Aug 2018           | 357                         | 45                            | 22                        | 29                           | 14                                | 7                                    |
| Sep 2018           | 264                         | 46                            | 19                        | 27                           | 13                                | 7                                    |
| <b>Summer 2018</b> | <b>1946</b>                 | <b>288</b>                    | <b>144</b>                | <b>189</b>                   | <b>102</b>                        | <b>42</b>                            |
| Oct 2018           | 250                         | 41                            | 12                        | 17                           | 8                                 | 7                                    |
| Nov 2018           | 248                         | 39                            | 5                         | 7                            | 4                                 | 6                                    |
| Dec 2018           | 279                         | 41                            | 5                         | 7                            | 4                                 | 6                                    |
| Jan 2019           | 329                         | 41                            | 5                         | 7                            | 4                                 | 6                                    |
| Feb 2019           | 284                         | 37                            | 5                         | 7                            | 3                                 | 5                                    |
| Mar 2019           | 300                         | 51                            | 6                         | 9                            | 5                                 | 5                                    |
| <b>Winter 2019</b> | <b>1691</b>                 | <b>248</b>                    | <b>37</b>                 | <b>53</b>                    | <b>27</b>                         | <b>36</b>                            |
| Apr 2019           | 265                         | 49                            | 13                        | 20                           | 10                                | 6                                    |
| May 2019           | 266                         | 72                            | 44                        | 67                           | 23                                | 7                                    |
| Jun 2019           | 287                         | 61                            | 12                        | 22                           | 15                                | 8                                    |
| Jul 2019           | 329                         | 34                            | 21                        | 28                           | 14                                | 10                                   |
| Aug 2019           | 345                         | 34                            | 22                        | 29                           | 14                                | 7                                    |
| Sep 2019           | 256                         | 33                            | 20                        | 26                           | 13                                | 6                                    |
| <b>Summer 2019</b> | <b>1748</b>                 | <b>281</b>                    | <b>132</b>                | <b>191</b>                   | <b>90</b>                         | <b>43</b>                            |
| Oct 2019           | 243                         | 34                            | 12                        | 16                           | 9                                 | 6                                    |
| Nov 2019           | 242                         | 32                            | 4                         | 5                            | 3                                 | 6                                    |
| Dec 2019           | 271                         | 34                            | 3                         | 5                            | 3                                 | 6                                    |
| Jan 2020           | 320                         | 34                            | 3                         | 5                            | 3                                 | 6                                    |
| Feb 2020           | 277                         | 31                            | 3                         | 5                            | 3                                 | 5                                    |
| Mar 2020           | 292                         | 22                            | 5                         | 8                            | 5                                 | 5                                    |
| <b>Winter 2020</b> | <b>1352</b>                 | <b>164</b>                    | <b>26</b>                 | <b>36</b>                    | <b>21</b>                         | <b>28</b>                            |
| Apr 2020           | 259                         | 22                            | 12                        | 19                           | 11                                | 6                                    |
| May 2020           | 265                         | 70                            | 49                        | 69                           | 23                                | 7                                    |
| Jun 2020           | 290                         | 61                            | 32                        | 45                           | 22                                | 9                                    |

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

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

July 2018 24-Month Study

Most Probable Inflow\*

Flood Control Criteria

Beginning of Month Conditions



| Date                      | Flaming Gorge KAF | Blue Mesa KAF | Navajo KAF | Lake Powell KAF | Upper Basin Total KAF | Lake Mead KAF | Total KAF | Flaming Gorge KAF          | Blue Mesa KAF | Navajo KAF | Tot or Max Allow KAF | Lake Powell KAF | Lake Mead KAF | BOM Space Total KAF | BOM Space Required KAF | Mead Sched Rel KAF | Mead FC Rel KAF | Sys Rel Cont MAF |
|---------------------------|-------------------|---------------|------------|-----------------|-----------------------|---------------|-----------|----------------------------|---------------|------------|----------------------|-----------------|---------------|---------------------|------------------------|--------------------|-----------------|------------------|
| *****PREDICTED SPACE***** |                   |               |            |                 |                       |               |           | *****EFFECTIVE SPACE*****  |               |            |                      |                 |               |                     |                        |                    |                 |                  |
| Jul 2018                  | 251               | 359           | 537        | 11594           | 12741                 | 17629         | 30369     | 22                         | -77           | -23        | -78                  | 11594           | 17629         | 29144               | 1500                   | 834                | 0               | 29.8             |
|                           |                   |               |            |                 |                       |               |           | *****CREDITABLE SPACE***** |               |            |                      |                 |               |                     |                        |                    |                 |                  |
| Aug 2018                  | 245               | 425           | 620        | 12115           | 13404                 | 17624         | 31028     | 245                        | 425           | 620        | 1289                 | 12115           | 17624         | 31028               | 1500                   | 740                | 0               | 29.2             |
| Sep 2018                  | 308               | 470           | 677        | 12633           | 14088                 | 17466         | 31555     | 308                        | 470           | 677        | 1455                 | 12633           | 17466         | 31555               | 2270                   | 795                | 0               | 28.6             |
| Oct 2018                  | 393               | 514           | 709        | 12936           | 14552                 | 17564         | 32115     | 393                        | 514           | 709        | 1615                 | 12936           | 17564         | 32115               | 3040                   | 604                | 0               | 28.1             |
| Nov 2018                  | 447               | 536           | 722        | 13147           | 14852                 | 17532         | 32384     | 447                        | 536           | 722        | 1705                 | 13147           | 17532         | 32384               | 3810                   | 761                | 0               | 27.8             |
| Dec 2018                  | 497               | 533           | 727        | 13373           | 15130                 | 17648         | 32778     | 497                        | 533           | 727        | 1757                 | 13373           | 17648         | 32778               | 4580                   | 677                | 0               | 27.5             |
| Jan 2019                  | 568               | 533           | 737        | 13711           | 15549                 | 17609         | 33158     | 568                        | 533           | 737        | 1838                 | 13711           | 17609         | 33158               | 5350                   | 619                | 0               | 27.3             |
|                           |                   |               |            |                 |                       |               |           | *****EFFECTIVE SPACE*****  |               |            |                      |                 |               |                     |                        |                    |                 |                  |
| Jan 2019                  | 568               | 533           | 737        | 13711           | 15549                 | 17609         | 33158     | 97                         | 225           | 425        | 746                  | 13711           | 17609         | 32066               | 5350                   | 619                | 0               | 27.3             |
| Feb 2019                  | 635               | 537           | 745        | 14184           | 16101                 | 17348         | 33449     | 162                        | 228           | 433        | 823                  | 14184           | 17348         | 32356               | 1500                   | 685                | 0               | 26.9             |
| Mar 2019                  | 692               | 541           | 746        | 14571           | 16549                 | 17239         | 33788     | 217                        | 233           | 433        | 883                  | 14571           | 17239         | 32693               | 1500                   | 1055               | 0               | 26.4             |
| Apr 2019                  | 738               | 539           | 723        | 14883           | 16883                 | 17474         | 34357     | 261                        | 231           | 403        | 895                  | 14883           | 17474         | 33252               | 1500                   | 1059               | 0               | 26.1             |
| May 2019                  | 747               | 529           | 673        | 14954           | 16903                 | 17814         | 34717     | 264                        | 226           | 330        | 820                  | 14954           | 17814         | 33588               | 1500                   | 967                | 0               | 26.7             |
| Jun 2019                  | 755               | 533           | 533        | 14215           | 16036                 | 18091         | 34127     | 266                        | 221           | 152        | 639                  | 14215           | 18091         | 32945               | 1500                   | 907                | 0               | 27.8             |
| Jul 2019                  | 610               | 343           | 457        | 13289           | 14699                 | 18307         | 33005     | 108                        | 16            | 21         | 144                  | 13289           | 18307         | 31739               | 1500                   | 826                | 0               | 27.6             |
|                           |                   |               |            |                 |                       |               |           | *****CREDITABLE SPACE***** |               |            |                      |                 |               |                     |                        |                    |                 |                  |
| Aug 2019                  | 520               | 319           | 497        | 13481           | 14817                 | 18301         | 33118     | 520                        | 319           | 497        | 1336                 | 13481           | 18301         | 33118               | 1500                   | 740                | 0               | 27.3             |
| Sep 2019                  | 551               | 336           | 532        | 13922           | 15341                 | 18141         | 33482     | 551                        | 336           | 532        | 1419                 | 13922           | 18141         | 33482               | 2270                   | 734                | 0               | 26.8             |
| Oct 2019                  | 602               | 364           | 545        | 14172           | 15682                 | 18179         | 33862     | 602                        | 364           | 545        | 1511                 | 14172           | 18179         | 33862               | 3040                   | 510                | 0               | 26.5             |
| Nov 2019                  | 646               | 370           | 562        | 14310           | 15889                 | 18057         | 33946     | 646                        | 370           | 562        | 1578                 | 14310           | 18057         | 33946               | 3810                   | 670                | 0               | 26.3             |
| Dec 2019                  | 689               | 352           | 572        | 14491           | 16105                 | 18086         | 34191     | 689                        | 352           | 572        | 1614                 | 14491           | 18086         | 34191               | 4580                   | 594                | 0               | 26.2             |
| Jan 2020                  | 748               | 338           | 577        | 14802           | 16465                 | 17967         | 34432     | 748                        | 338           | 577        | 1663                 | 14802           | 17967         | 34432               | 5350                   | 607                | 0               | 26.1             |
|                           |                   |               |            |                 |                       |               |           | *****EFFECTIVE SPACE*****  |               |            |                      |                 |               |                     |                        |                    |                 |                  |
| Jan 2020                  | 748               | 338           | 577        | 14802           | 16465                 | 17967         | 34432     | 404                        | 338           | -36        | 706                  | 14802           | 17967         | 33475               | 5350                   | 607                | 0               | 26.1             |
| Feb 2020                  | 802               | 324           | 581        | 15233           | 16941                 | 17697         | 34638     | 456                        | 324           | -32        | 748                  | 15233           | 17697         | 33678               | 1500                   | 663                | 0               | 25.8             |
| Mar 2020                  | 846               | 312           | 585        | 15542           | 17285                 | 17569         | 34854     | 498                        | 312           | -29        | 781                  | 15542           | 17569         | 33891               | 1500                   | 988                | 0               | 25.6             |
| Apr 2020                  | 811               | 290           | 599        | 15726           | 17426                 | 17741         | 35167     | 457                        | 290           | -23        | 725                  | 15726           | 17741         | 34192               | 1500                   | 997                | 0               | 25.6             |
| May 2020                  | 745               | 256           | 647        | 15502           | 17150                 | 18024         | 35174     | 383                        | 256           | 1          | 641                  | 15502           | 18024         | 34167               | 1500                   | 917                | 0               | 26.9             |
| Jun 2020                  | 699               | 201           | 694        | 14071           | 15665                 | 18257         | 33922     | 329                        | 201           | 10         | 540                  | 14071           | 18257         | 32868               | 1500                   | 929                | 0               | 28.4             |

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

Model Run ID: 3064

Processed On: 7/12/2018 1:05:32PM