

To: All Annual Operating Plan Recipients

From: Lower Colorado Region  
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In addition to the October 2016 24-Month Study based on the Most Probable inflow scenario, Reclamation conducted model runs to determine a possible range of reservoir elevations under Probable Minimum and Probable Maximum inflow scenarios. The Probable Minimum inflow scenario reflects a dry hydrologic condition which statistically would be exceeded 90% of the time. The Most Probable inflow scenario reflects a median hydrologic condition which statistically would be exceeded 50% of the time. The Probable Maximum inflow scenario reflects a wet hydrologic condition which statistically would be exceeded 10% of the time. There is approximately an 80% probability that a future elevation will fall inside the range of the minimum and maximum inflow scenarios. There are possible inflow scenarios that would result in reservoir elevations falling outside the ranges indicated in these reports.

The projected Lake Mead elevations resulting from these three inflow scenarios are summarized in a graph located at the following link:  
<http://www.usbr.gov/lc/region/g4000/24mo/2016/October-Chart.pdf>.

The water year 2017 unregulated inflow into Lake Powell under the October Probable Maximum inflow scenario is 17.00 maf, or 157 percent of average. Consistent with the Interim Guidelines, the October Probable Maximum 24-Month Study results in a projected annual release volume from Glen Canyon Dam of 11.96 maf in water year 2017 and 12.12 maf in water year 2018. With intervening flows between Lake Powell and Lake Mead of 0.94 maf in water year 2017, Lake Mead's elevation is projected to be 1,105.00 feet on September 30, 2017.

The Interim Guidelines are available for download at <http://www.usbr.gov/lc/region/programs/strategies/RecordofDecision.pdf>.  
The October 2016 Most Probable 24-Month Study is available for download at <http://www.usbr.gov/lc/region/g4000/24mo/2016/OCT16.pdf>.

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|-------------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Oct 2015 | 46                                  | 1                              | 46                               | 15                                | 61                               | 6491.60                                | 238                             |
| H              | Nov 2015 | 40                                  | 1                              | 56                               | 1                                 | 57                               | 6489.03                                | 221                             |
| I              | Dec 2015 | 36                                  | 1                              | 58                               | 0                                 | 58                               | 6485.40                                | 197                             |
| S              | Jan 2016 | 32                                  | 1                              | 49                               | 10                                | 58                               | 6480.71                                | 170                             |
| T              | Feb 2016 | 34                                  | 0                              | 55                               | 0                                 | 55                               | 6476.59                                | 149                             |
| O              | Mar 2016 | 50                                  | 1                              | 58                               | 0                                 | 58                               | 6474.73                                | 140                             |
| R              | Apr 2016 | 91                                  | 1                              | 56                               | 0                                 | 56                               | 6481.34                                | 174                             |
| I              | May 2016 | 186                                 | 2                              | 86                               | 20                                | 106                              | 6493.63                                | 252                             |
| C              | Jun 2016 | 293                                 | 2                              | 101                              | 143                               | 243                              | 6500.14                                | 299                             |
| A              | Jul 2016 | 80                                  | 3                              | 73                               | 3                                 | 76                               | 6500.25                                | 300                             |
| L              | Aug 2016 | 29                                  | 2                              | 65                               | 0                                 | 65                               | 6495.03                                | 262                             |
| *              | Sep 2016 | 26                                  | 2                              | 36                               | 21                                | 58                               | 6490.22                                | 229                             |
| <b>WY 2016</b> |          | <b>943</b>                          | <b>15</b>                      | <b>739</b>                       | <b>213</b>                        | <b>952</b>                       |                                        |                                 |
|                | Oct 2016 | 40                                  | 1                              | 71                               | 0                                 | 71                               | 6485.28                                | 198                             |
|                | Nov 2016 | 40                                  | 1                              | 61                               | 0                                 | 61                               | 6481.65                                | 176                             |
|                | Dec 2016 | 32                                  | 1                              | 63                               | 0                                 | 63                               | 6475.61                                | 145                             |
|                | Jan 2017 | 36                                  | 0                              | 63                               | 0                                 | 63                               | 6469.57                                | 117                             |
|                | Feb 2017 | 33                                  | 0                              | 57                               | 0                                 | 57                               | 6463.28                                | 93                              |
|                | Mar 2017 | 65                                  | 0                              | 63                               | 0                                 | 63                               | 6463.86                                | 95                              |
|                | Apr 2017 | 128                                 | 1                              | 91                               | 10                                | 101                              | 6470.49                                | 121                             |
|                | May 2017 | 260                                 | 1                              | 98                               | 117                               | 215                              | 6479.72                                | 165                             |
|                | Jun 2017 | 524                                 | 2                              | 103                              | 259                               | 362                              | 6503.39                                | 325                             |
|                | Jul 2017 | 324                                 | 3                              | 108                              | 330                               | 438                              | 6486.91                                | 208                             |
|                | Aug 2017 | 128                                 | 2                              | 105                              | 5                                 | 110                              | 6489.39                                | 225                             |
|                | Sep 2017 | 69                                  | 2                              | 67                               | 0                                 | 67                               | 6489.38                                | 225                             |
| <b>WY 2017</b> |          | <b>1680</b>                         | <b>13</b>                      | <b>951</b>                       | <b>721</b>                        | <b>1672</b>                      |                                        |                                 |
|                | Oct 2017 | 66                                  | 1                              | 69                               | 0                                 | 69                               | 6488.75                                | 220                             |
|                | Nov 2017 | 52                                  | 1                              | 67                               | 0                                 | 67                               | 6486.37                                | 205                             |
|                | Dec 2017 | 35                                  | 1                              | 69                               | 0                                 | 69                               | 6480.51                                | 170                             |
|                | Jan 2018 | 34                                  | 1                              | 69                               | 0                                 | 69                               | 6473.35                                | 134                             |
|                | Feb 2018 | 30                                  | 0                              | 62                               | 0                                 | 62                               | 6465.70                                | 102                             |
|                | Mar 2018 | 59                                  | 0                              | 69                               | 0                                 | 69                               | 6462.93                                | 91                              |
|                | Apr 2018 | 102                                 | 1                              | 89                               | 12                                | 101                              | 6463.10                                | 92                              |
|                | May 2018 | 212                                 | 1                              | 96                               | 39                                | 135                              | 6480.21                                | 168                             |
|                | Jun 2018 | 389                                 | 2                              | 101                              | 188                               | 290                              | 6495.39                                | 265                             |
|                | Jul 2018 | 240                                 | 3                              | 104                              | 74                                | 178                              | 6503.25                                | 324                             |
|                | Aug 2018 | 101                                 | 2                              | 101                              | 4                                 | 105                              | 6502.44                                | 318                             |
|                | Sep 2018 | 57                                  | 2                              | 89                               | 0                                 | 89                               | 6497.86                                | 283                             |
| <b>WY 2018</b> |          | <b>1375</b>                         | <b>14</b>                      | <b>985</b>                       | <b>317</b>                        | <b>1302</b>                      |                                        |                                 |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|---------------------------------|-------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|---------------------------------|----------------------------------------|---------------------------------|--------------------------------|
| *              | Oct 2015 | 48                              | 63                            | 7                              | 131                              | 0                                 | 131                              | 136                             | 6030.73                                | 3377                            | 162                            |
| H              | Nov 2015 | 38                              | 55                            | 4                              | 131                              | 0                                 | 131                              | 133                             | 6028.73                                | 3300                            | 176                            |
| I              | Dec 2015 | 38                              | 61                            | 2                              | 137                              | 0                                 | 137                              | 130                             | 6026.75                                | 3225                            | 172                            |
| S              | Jan 2016 | 44                              | 71                            | 2                              | 134                              | 0                                 | 134                              | 127                             | 6025.07                                | 3163                            | 168                            |
| T              | Feb 2016 | 63                              | 84                            | 2                              | 118                              | 0                                 | 118                              | 126                             | 6024.11                                | 3127                            | 164                            |
| O              | Mar 2016 | 84                              | 93                            | 3                              | 51                               | 0                                 | 51                               | 127                             | 6025.13                                | 3165                            | 131                            |
| R              | Apr 2016 | 140                             | 105                           | 5                              | 50                               | 0                                 | 50                               | 129                             | 6026.43                                | 3213                            | 316                            |
| I              | May 2016 | 362                             | 282                           | 8                              | 52                               | 0                                 | 52                               | 138                             | 6032.01                                | 3427                            | 701                            |
| C              | Jun 2016 | 455                             | 405                           | 11                             | 270                              | 198                               | 469                              | 135                             | 6030.17                                | 3356                            | 965                            |
| A              | Jul 2016 | 91                              | 88                            | 13                             | 116                              | 4                                 | 120                              | 133                             | 6029.03                                | 3312                            | 223                            |
| L              | Aug 2016 | 28                              | 64                            | 13                             | 110                              | 0                                 | 110                              | 131                             | 6027.55                                | 3255                            | 137                            |
| *              | Sep 2016 | 36                              | 67                            | 11                             | 107                              | 0                                 | 107                              | 129                             | 6026.27                                | 3207                            | 127                            |
| <b>WY 2016</b> |          | <b>1427</b>                     | <b>1437</b>                   | <b>80</b>                      | <b>1406</b>                      | <b>203</b>                        | <b>1609</b>                      |                                 |                                        |                                 | <b>3442</b>                    |
|                | Oct 2016 | 50                              | 81                            | 7                              | 68                               | 0                                 | 68                               | 129                             | 6026.42                                | 3213                            | 89                             |
|                | Nov 2016 | 50                              | 71                            | 3                              | 96                               | 0                                 | 96                               | 128                             | 6025.69                                | 3186                            | 129                            |
|                | Dec 2016 | 34                              | 65                            | 2                              | 135                              | 0                                 | 135                              | 125                             | 6023.82                                | 3117                            | 163                            |
|                | Jan 2017 | 56                              | 83                            | 2                              | 135                              | 0                                 | 135                              | 123                             | 6022.40                                | 3065                            | 163                            |
|                | Feb 2017 | 61                              | 85                            | 2                              | 122                              | 0                                 | 122                              | 122                             | 6021.36                                | 3028                            | 158                            |
|                | Mar 2017 | 145                             | 143                           | 3                              | 135                              | 0                                 | 135                              | 122                             | 6021.50                                | 3033                            | 229                            |
|                | Apr 2017 | 218                             | 191                           | 5                              | 131                              | 0                                 | 131                              | 124                             | 6022.97                                | 3086                            | 428                            |
|                | May 2017 | 426                             | 381                           | 8                              | 238                              | 0                                 | 238                              | 129                             | 6026.51                                | 3216                            | 982                            |
|                | Jun 2017 | 744                             | 583                           | 10                             | 282                              | 152                               | 434                              | 135                             | 6030.00                                | 3349                            | 1098                           |
|                | Jul 2017 | 419                             | 534                           | 14                             | 160                              | 0                                 | 160                              | 149                             | 6038.63                                | 3695                            | 363                            |
|                | Aug 2017 | 167                             | 148                           | 14                             | 160                              | 0                                 | 160                              | 148                             | 6038.04                                | 3670                            | 200                            |
|                | Sep 2017 | 98                              | 97                            | 12                             | 155                              | 0                                 | 155                              | 145                             | 6036.40                                | 3603                            | 187                            |
| <b>WY 2017</b> |          | <b>2470</b>                     | <b>2462</b>                   | <b>81</b>                      | <b>1817</b>                      | <b>152</b>                        | <b>1969</b>                      |                                 |                                        |                                 | <b>4189</b>                    |
|                | Oct 2017 | 91                              | 95                            | 8                              | 160                              | 0                                 | 160                              | 142                             | 6034.66                                | 3533                            | 209                            |
|                | Nov 2017 | 68                              | 83                            | 4                              | 155                              | 0                                 | 155                              | 139                             | 6032.84                                | 3460                            | 195                            |
|                | Dec 2017 | 39                              | 74                            | 2                              | 160                              | 0                                 | 160                              | 136                             | 6030.68                                | 3375                            | 188                            |
|                | Jan 2018 | 45                              | 81                            | 2                              | 160                              | 0                                 | 160                              | 133                             | 6028.65                                | 3297                            | 188                            |
|                | Feb 2018 | 49                              | 81                            | 2                              | 144                              | 0                                 | 144                              | 130                             | 6027.00                                | 3235                            | 175                            |
|                | Mar 2018 | 115                             | 125                           | 3                              | 160                              | 0                                 | 160                              | 129                             | 6026.03                                | 3198                            | 249                            |
|                | Apr 2018 | 164                             | 163                           | 5                              | 155                              | 0                                 | 155                              | 129                             | 6026.11                                | 3201                            | 415                            |
|                | May 2018 | 323                             | 246                           | 8                              | 270                              | 0                                 | 270                              | 128                             | 6025.30                                | 3171                            | 927                            |
|                | Jun 2018 | 523                             | 423                           | 10                             | 211                              | 0                                 | 211                              | 135                             | 6030.43                                | 3365                            | 778                            |
|                | Jul 2018 | 291                             | 230                           | 14                             | 129                              | 0                                 | 129                              | 139                             | 6032.57                                | 3449                            | 274                            |
|                | Aug 2018 | 119                             | 123                           | 13                             | 98                               | 0                                 | 98                               | 139                             | 6032.87                                | 3461                            | 131                            |
|                | Sep 2018 | 70                              | 103                           | 12                             | 95                               | 0                                 | 95                               | 139                             | 6032.78                                | 3457                            | 119                            |
| <b>WY 2018</b> |          | <b>1900</b>                     | <b>1827</b>                   | <b>82</b>                      | <b>1897</b>                      | <b>0</b>                          | <b>1897</b>                      |                                 |                                        |                                 | <b>3849</b>                    |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|-------------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Oct 2015 | 7                                   | 8                                | 9310.71                                | 71                              |
| H              | Nov 2015 | 5                                   | 6                                | 9310.40                                | 71                              |
| I              | Dec 2015 | 5                                   | 6                                | 9309.95                                | 70                              |
| S              | Jan 2016 | 6                                   | 6                                | 9309.87                                | 70                              |
| T              | Feb 2016 | 4                                   | 5                                | 9309.07                                | 68                              |
| O              | Mar 2016 | 5                                   | 6                                | 9308.44                                | 67                              |
| R              | Apr 2016 | 9                                   | 6                                | 9310.70                                | 71                              |
| I              | May 2016 | 17                                  | 11                               | 9314.16                                | 77                              |
| C              | Jun 2016 | 41                                  | 20                               | 9325.34                                | 97                              |
| A              | Jul 2016 | 11                                  | 21                               | 9320.04                                | 87                              |
| L              | Aug 2016 | 9                                   | 16                               | 9315.75                                | 79                              |
| *              | Sep 2016 | 6                                   | 14                               | 9310.77                                | 71                              |
| <b>WY 2016</b> |          | <b>125</b>                          | <b>125</b>                       |                                        |                                 |
|                | Oct 2016 | 6                                   | 6                                | 9310.46                                | 71                              |
|                | Nov 2016 | 5                                   | 5                                | 9310.46                                | 71                              |
|                | Dec 2016 | 4                                   | 5                                | 9309.83                                | 70                              |
|                | Jan 2017 | 5                                   | 5                                | 9309.55                                | 69                              |
|                | Feb 2017 | 4                                   | 5                                | 9308.81                                | 68                              |
|                | Mar 2017 | 5                                   | 5                                | 9308.56                                | 68                              |
|                | Apr 2017 | 10                                  | 5                                | 9311.74                                | 73                              |
|                | May 2017 | 35                                  | 10                               | 9325.49                                | 97                              |
|                | Jun 2017 | 56                                  | 15                               | 9330.00                                | 106                             |
|                | Jul 2017 | 33                                  | 20                               | 9330.00                                | 106                             |
|                | Aug 2017 | 14                                  | 20                               | 9327.02                                | 100                             |
|                | Sep 2017 | 9                                   | 17                               | 9322.70                                | 92                              |
| <b>WY 2017</b> |          | <b>184</b>                          | <b>118</b>                       |                                        |                                 |
|                | Oct 2017 | 8                                   | 8                                | 9322.52                                | 92                              |
|                | Nov 2017 | 6                                   | 6                                | 9322.43                                | 91                              |
|                | Dec 2017 | 5                                   | 6                                | 9322.03                                | 91                              |
|                | Jan 2018 | 5                                   | 6                                | 9321.42                                | 90                              |
|                | Feb 2018 | 4                                   | 6                                | 9320.36                                | 88                              |
|                | Mar 2018 | 5                                   | 6                                | 9319.66                                | 86                              |
|                | Apr 2018 | 10                                  | 6                                | 9321.93                                | 90                              |
|                | May 2018 | 34                                  | 20                               | 9328.91                                | 104                             |
|                | Jun 2018 | 52                                  | 22                               | 9330.00                                | 106                             |
|                | Jul 2018 | 25                                  | 22                               | 9330.00                                | 106                             |
|                | Aug 2018 | 12                                  | 20                               | 9326.05                                | 98                              |
|                | Sep 2018 | 8                                   | 16                               | 9322.09                                | 91                              |
| <b>WY 2018</b> |          | <b>174</b>                          | <b>144</b>                       |                                        |                                 |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|---------------------------------|-------------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Oct 2015 | 33                              | 34                                  | 1                              | 87                               | 0                                 | 87                               | 7501.39                                | 673                             |
| H              | Nov 2015 | 30                              | 31                                  | 0                              | 45                               | 0                                 | 45                               | 7499.64                                | 658                             |
| I              | Dec 2015 | 27                              | 28                                  | 0                              | 62                               | 0                                 | 62                               | 7495.46                                | 624                             |
| S              | Jan 2016 | 27                              | 27                                  | 0                              | 61                               | 0                                 | 61                               | 7491.12                                | 590                             |
| T              | Feb 2016 | 26                              | 27                                  | 0                              | 59                               | 0                                 | 58                               | 7487.04                                | 559                             |
| O              | Mar 2016 | 41                              | 42                                  | 0                              | 36                               | 0                                 | 37                               | 7487.62                                | 563                             |
| R              | Apr 2016 | 75                              | 72                                  | 1                              | 63                               | 0                                 | 63                               | 7488.62                                | 571                             |
| I              | May 2016 | 161                             | 155                                 | 1                              | 134                              | 19                                | 153                              | 7488.74                                | 572                             |
| C              | Jun 2016 | 285                             | 265                                 | 1                              | 46                               | 0                                 | 46                               | 7514.84                                | 788                             |
| A              | Jul 2016 | 81                              | 91                                  | 2                              | 112                              | 0                                 | 112                              | 7512.31                                | 766                             |
| L              | Aug 2016 | 57                              | 65                                  | 1                              | 110                              | 0                                 | 110                              | 7506.94                                | 720                             |
| *              | Sep 2016 | 38                              | 46                                  | 1                              | 100                              | 0                                 | 100                              | 7500.48                                | 665                             |
| <b>WY 2016</b> |          | <b>881</b>                      | <b>882</b>                          | <b>9</b>                       | <b>914</b>                       | <b>19</b>                         | <b>934</b>                       |                                        |                                 |
|                | Oct 2016 | 34                              | 35                                  | 1                              | 75                               | 0                                 | 75                               | 7495.48                                | 625                             |
|                | Nov 2016 | 29                              | 29                                  | 0                              | 36                               | 0                                 | 36                               | 7494.53                                | 617                             |
|                | Dec 2016 | 25                              | 26                                  | 0                              | 66                               | 0                                 | 66                               | 7489.49                                | 577                             |
|                | Jan 2017 | 26                              | 26                                  | 0                              | 53                               | 0                                 | 53                               | 7485.98                                | 550                             |
|                | Feb 2017 | 24                              | 26                                  | 0                              | 42                               | 0                                 | 42                               | 7483.80                                | 534                             |
|                | Mar 2017 | 41                              | 42                                  | 0                              | 35                               | 0                                 | 35                               | 7484.65                                | 540                             |
|                | Apr 2017 | 106                             | 101                                 | 1                              | 52                               | 0                                 | 52                               | 7490.94                                | 589                             |
|                | May 2017 | 345                             | 320                                 | 1                              | 207                              | 48                                | 255                              | 7498.88                                | 652                             |
|                | Jun 2017 | 418                             | 377                                 | 1                              | 202                              | 197                               | 399                              | 7495.98                                | 629                             |
|                | Jul 2017 | 214                             | 201                                 | 1                              | 158                              | 0                                 | 158                              | 7501.07                                | 670                             |
|                | Aug 2017 | 94                              | 100                                 | 1                              | 102                              | 0                                 | 102                              | 7500.74                                | 667                             |
|                | Sep 2017 | 53                              | 62                                  | 1                              | 91                               | 0                                 | 91                               | 7497.07                                | 637                             |
| <b>WY 2017</b> |          | <b>1410</b>                     | <b>1344</b>                         | <b>8</b>                       | <b>1118</b>                      | <b>245</b>                        | <b>1363</b>                      |                                        |                                 |
|                | Oct 2017 | 49                              | 49                                  | 1                              | 65                               | 0                                 | 65                               | 7494.99                                | 621                             |
|                | Nov 2017 | 36                              | 36                                  | 0                              | 38                               | 0                                 | 38                               | 7494.67                                | 618                             |
|                | Dec 2017 | 27                              | 28                                  | 0                              | 69                               | 0                                 | 69                               | 7489.51                                | 578                             |
|                | Jan 2018 | 26                              | 27                                  | 0                              | 62                               | 0                                 | 62                               | 7484.83                                | 542                             |
|                | Feb 2018 | 24                              | 26                                  | 0                              | 47                               | 0                                 | 47                               | 7481.88                                | 520                             |
|                | Mar 2018 | 39                              | 41                                  | 0                              | 29                               | 0                                 | 29                               | 7483.44                                | 531                             |
|                | Apr 2018 | 93                              | 89                                  | 1                              | 49                               | 0                                 | 49                               | 7488.56                                | 570                             |
|                | May 2018 | 276                             | 262                                 | 1                              | 205                              | 57                                | 262                              | 7488.41                                | 569                             |
|                | Jun 2018 | 338                             | 308                                 | 1                              | 198                              | 0                                 | 198                              | 7501.94                                | 677                             |
|                | Jul 2018 | 152                             | 149                                 | 1                              | 108                              | 0                                 | 108                              | 7506.60                                | 717                             |
|                | Aug 2018 | 78                              | 86                                  | 1                              | 111                              | 0                                 | 111                              | 7503.51                                | 690                             |
|                | Sep 2018 | 45                              | 53                                  | 1                              | 97                               | 0                                 | 97                               | 7498.03                                | 645                             |
| <b>WY 2018</b> |          | <b>1183</b>                     | <b>1152</b>                         | <b>8</b>                       | <b>1079</b>                      | <b>57</b>                         | <b>1136</b>                      |                                        |                                 |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|---------------------------------|--------------------------------------|--------------------------------|---------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Oct 2015 | 34                              | 87                                   | 0                              | 87                              | 93                               | 0                                 | 93                               | 7135.56                                | 98                              |
| H              | Nov 2015 | 31                              | 45                                   | 1                              | 46                              | 47                               | 0                                 | 47                               | 7133.97                                | 97                              |
| I              | Dec 2015 | 28                              | 62                                   | 1                              | 62                              | 46                               | 1                                 | 47                               | 7154.01                                | 112                             |
| S              | Jan 2016 | 27                              | 61                                   | 1                              | 62                              | 64                               | 0                                 | 64                               | 7150.69                                | 110                             |
| T              | Feb 2016 | 27                              | 58                                   | 1                              | 60                              | 61                               | 0                                 | 61                               | 7148.82                                | 108                             |
| O              | Mar 2016 | 43                              | 37                                   | 2                              | 39                              | 36                               | 0                                 | 36                               | 7152.74                                | 111                             |
| R              | Apr 2016 | 83                              | 63                                   | 7                              | 71                              | 71                               | 0                                 | 71                               | 7152.57                                | 111                             |
| I              | May 2016 | 176                             | 153                                  | 15                             | 168                             | 176                              | 4                                 | 180                              | 7136.53                                | 99                              |
| C              | Jun 2016 | 302                             | 46                                   | 18                             | 64                              | 52                               | 0                                 | 52                               | 7152.31                                | 111                             |
| A              | Jul 2016 | 83                              | 112                                  | 2                              | 114                             | 113                              | 0                                 | 113                              | 7153.43                                | 112                             |
| L              | Aug 2016 | 58                              | 110                                  | 1                              | 111                             | 111                              | 0                                 | 111                              | 7153.88                                | 112                             |
| *              | Sep 2016 | 39                              | 100                                  | 1                              | 100                             | 103                              | 0                                 | 103                              | 7150.03                                | 109                             |
| <b>WY 2016</b> |          | <b>931</b>                      | <b>934</b>                           | <b>49</b>                      | <b>983</b>                      | <b>972</b>                       | <b>5</b>                          | <b>978</b>                       |                                        |                                 |
|                | Oct 2016 | 35                              | 75                                   | 1                              | 76                              | 73                               | 0                                 | 73                               | 7153.73                                | 112                             |
|                | Nov 2016 | 30                              | 36                                   | 1                              | 37                              | 37                               | 0                                 | 37                               | 7153.73                                | 112                             |
|                | Dec 2016 | 26                              | 66                                   | 1                              | 67                              | 67                               | 0                                 | 67                               | 7153.73                                | 112                             |
|                | Jan 2017 | 27                              | 53                                   | 2                              | 54                              | 54                               | 0                                 | 54                               | 7153.73                                | 112                             |
|                | Feb 2017 | 26                              | 42                                   | 2                              | 43                              | 43                               | 0                                 | 43                               | 7153.73                                | 112                             |
|                | Mar 2017 | 44                              | 35                                   | 3                              | 38                              | 38                               | 0                                 | 38                               | 7153.73                                | 112                             |
|                | Apr 2017 | 116                             | 52                                   | 10                             | 62                              | 62                               | 0                                 | 62                               | 7153.73                                | 112                             |
|                | May 2017 | 370                             | 255                                  | 26                             | 281                             | 281                              | 0                                 | 281                              | 7153.73                                | 112                             |
|                | Jun 2017 | 434                             | 399                                  | 16                             | 415                             | 296                              | 119                               | 415                              | 7153.73                                | 112                             |
|                | Jul 2017 | 217                             | 158                                  | 3                              | 161                             | 161                              | 0                                 | 161                              | 7153.73                                | 112                             |
|                | Aug 2017 | 95                              | 102                                  | 1                              | 103                             | 103                              | 0                                 | 103                              | 7153.73                                | 112                             |
|                | Sep 2017 | 54                              | 91                                   | 1                              | 92                              | 92                               | 0                                 | 92                               | 7153.73                                | 112                             |
| <b>WY 2017</b> |          | <b>1475</b>                     | <b>1363</b>                          | <b>65</b>                      | <b>1428</b>                     | <b>1307</b>                      | <b>119</b>                        | <b>1426</b>                      |                                        |                                 |
|                | Oct 2017 | 50                              | 65                                   | 1                              | 67                              | 67                               | 0                                 | 67                               | 7153.73                                | 112                             |
|                | Nov 2017 | 37                              | 38                                   | 2                              | 40                              | 40                               | 0                                 | 40                               | 7153.73                                | 112                             |
|                | Dec 2017 | 30                              | 69                                   | 2                              | 71                              | 71                               | 0                                 | 71                               | 7153.73                                | 112                             |
|                | Jan 2018 | 28                              | 62                                   | 2                              | 65                              | 65                               | 0                                 | 65                               | 7153.73                                | 112                             |
|                | Feb 2018 | 26                              | 47                                   | 3                              | 50                              | 50                               | 0                                 | 50                               | 7153.73                                | 112                             |
|                | Mar 2018 | 44                              | 29                                   | 4                              | 33                              | 33                               | 0                                 | 33                               | 7153.73                                | 112                             |
|                | Apr 2018 | 106                             | 49                                   | 13                             | 62                              | 62                               | 0                                 | 62                               | 7153.73                                | 112                             |
|                | May 2018 | 308                             | 262                                  | 32                             | 294                             | 294                              | 0                                 | 294                              | 7153.73                                | 112                             |
|                | Jun 2018 | 366                             | 198                                  | 28                             | 226                             | 226                              | 0                                 | 226                              | 7153.73                                | 112                             |
|                | Jul 2018 | 159                             | 108                                  | 7                              | 115                             | 115                              | 0                                 | 115                              | 7153.73                                | 112                             |
|                | Aug 2018 | 82                              | 111                                  | 4                              | 115                             | 115                              | 0                                 | 115                              | 7153.73                                | 112                             |
|                | Sep 2018 | 48                              | 97                                   | 3                              | 100                             | 100                              | 0                                 | 100                              | 7153.73                                | 112                             |
| <b>WY 2018</b> |          | <b>1285</b>                     | <b>1136</b>                          | <b>103</b>                     | <b>1239</b>                     | <b>1239</b>                      | <b>0</b>                          | <b>1239</b>                      |                                        |                                 |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum Probable Inflow\*

**Crystal Reservoir**



|                |             | Unreg<br>Inflow | Morrow<br>Release | Side<br>Inflow | Total<br>Inflow | Power<br>Release | Bypass<br>Release | Total<br>Release | Reservoir Elev<br>End of Month | Live<br>Storage | Tunnel<br>Flow | Below Tunnel<br>Flow |
|----------------|-------------|-----------------|-------------------|----------------|-----------------|------------------|-------------------|------------------|--------------------------------|-----------------|----------------|----------------------|
|                | Date        | (1000 Ac-Ft)    | (1000 Ac-Ft)      | (1000 Ac-Ft)   | (1000 Ac-Ft)    | (1000 Ac-Ft)     | (1000 Ac-Ft)      | (1000 Ac-Ft)     | (Ft)                           | (1000 Ac-Ft)    | (1000 Ac-Ft)   | (1000 Ac-Ft)         |
| *              | Oct 2015    | 37              | 93                | 3              | 96              | 0                | 94                | 94               | 6750.81                        | 16              | 51             | 44                   |
| H              | Nov 2015    | 34              | 47                | 3              | 50              | 0                | 50                | 50               | 6750.12                        | 16              | 0              | 51                   |
| I              | Dec 2015    | 32              | 47                | 4              | 51              | 40               | 12                | 52               | 6747.07                        | 15              | 1              | 53                   |
| S              | Jan 2016    | 31              | 64                | 4              | 68              | 67               | 0                 | 68               | 6748.20                        | 16              | 1              | 69                   |
| T              | Feb 2016    | 30              | 61                | 3              | 64              | 63               | 0                 | 63               | 6752.48                        | 17              | 0              | 65                   |
| O              | Mar 2016    | 48              | 36                | 5              | 41              | 41               | 0                 | 41               | 6752.32                        | 17              | 2              | 41                   |
| R              | Apr 2016    | 92              | 71                | 9              | 80              | 80               | 0                 | 80               | 6751.41                        | 16              | 47             | 36                   |
| I              | May 2016    | 194             | 180               | 18             | 198             | 109              | 64                | 197              | 6753.13                        | 17              | 51             | 154                  |
| C              | Jun 2016    | 344             | 52                | 41             | 93              | 74               | 20                | 93               | 6752.00                        | 17              | 43             | 53                   |
| A              | Jul 2016    | 89              | 113               | 6              | 119             | 117              | 2                 | 119              | 6750.04                        | 16              | 64             | 58                   |
| L              | Aug 2016    | 62              | 111               | 4              | 114             | 114              | 0                 | 114              | 6749.30                        | 16              | 62             | 53                   |
| *              | Sep 2016    | 42              | 103               | 3              | 106             | 106              | 1                 | 107              | 6747.05                        | 15              | 59             | 47                   |
| <b>WY 2016</b> | <b>1034</b> | <b>978</b>      | <b>103</b>        | <b>1081</b>    | <b>811</b>      | <b>243</b>       | <b>1080</b>       |                  |                                |                 | <b>384</b>     | <b>724</b>           |
|                | Oct 2016    | 40              | 73                | 5              | 78              | 76               | 0                 | 76               | 6753.04                        | 17              | 30             | 46                   |
|                | Nov 2016    | 33              | 37                | 3              | 40              | 40               | 0                 | 40               | 6753.04                        | 17              | 0              | 40                   |
|                | Dec 2016    | 29              | 67                | 3              | 70              | 70               | 0                 | 70               | 6753.04                        | 17              | 0              | 70                   |
|                | Jan 2017    | 32              | 54                | 5              | 59              | 59               | 0                 | 59               | 6753.04                        | 17              | 0              | 59                   |
|                | Feb 2017    | 29              | 43                | 3              | 46              | 46               | 0                 | 46               | 6753.04                        | 17              | 0              | 46                   |
|                | Mar 2017    | 49              | 38                | 5              | 43              | 43               | 0                 | 43               | 6753.04                        | 17              | 5              | 38                   |
|                | Apr 2017    | 126             | 62                | 10             | 72              | 72               | 0                 | 72               | 6753.04                        | 17              | 30             | 42                   |
|                | May 2017    | 406             | 281               | 36             | 317             | 134              | 183               | 317              | 6753.04                        | 17              | 55             | 262                  |
|                | Jun 2017    | 470             | 415               | 36             | 451             | 130              | 321               | 451              | 6753.04                        | 17              | 60             | 391                  |
|                | Jul 2017    | 235             | 161               | 18             | 179             | 134              | 45                | 179              | 6753.04                        | 17              | 65             | 114                  |
|                | Aug 2017    | 102             | 103               | 7              | 109             | 109              | 0                 | 109              | 6753.04                        | 17              | 65             | 44                   |
|                | Sep 2017    | 59              | 92                | 5              | 96              | 96               | 0                 | 96               | 6753.04                        | 17              | 55             | 41                   |
| <b>WY 2017</b> | <b>1610</b> | <b>1426</b>     | <b>135</b>        | <b>1560</b>    | <b>1010</b>     | <b>549</b>       | <b>1559</b>       |                  |                                |                 | <b>365</b>     | <b>1194</b>          |
|                | Oct 2017    | 55              | 67                | 5              | 72              | 72               | 0                 | 72               | 6753.04                        | 17              | 30             | 42                   |
|                | Nov 2017    | 42              | 40                | 5              | 44              | 44               | 0                 | 44               | 6753.04                        | 17              | 0              | 44                   |
|                | Dec 2017    | 35              | 71                | 5              | 76              | 76               | 0                 | 76               | 6753.04                        | 17              | 0              | 76                   |
|                | Jan 2018    | 33              | 65                | 5              | 70              | 70               | 0                 | 70               | 6753.04                        | 17              | 0              | 70                   |
|                | Feb 2018    | 30              | 50                | 4              | 54              | 54               | 0                 | 54               | 6753.04                        | 17              | 0              | 54                   |
|                | Mar 2018    | 51              | 33                | 7              | 40              | 40               | 0                 | 40               | 6753.04                        | 17              | 5              | 35                   |
|                | Apr 2018    | 121             | 62                | 15             | 77              | 77               | 0                 | 77               | 6753.04                        | 17              | 30             | 47                   |
|                | May 2018    | 351             | 294               | 44             | 338             | 134              | 204               | 338              | 6753.04                        | 17              | 55             | 283                  |
|                | Jun 2018    | 415             | 226               | 49             | 275             | 130              | 145               | 275              | 6753.04                        | 17              | 60             | 215                  |
|                | Jul 2018    | 179             | 115               | 19             | 135             | 134              | 0                 | 135              | 6753.04                        | 17              | 65             | 70                   |
|                | Aug 2018    | 92              | 115               | 10             | 125             | 125              | 0                 | 125              | 6753.04                        | 17              | 65             | 60                   |
|                | Sep 2018    | 56              | 100               | 7              | 108             | 108              | 0                 | 108              | 6753.04                        | 17              | 55             | 53                   |
| <b>WY 2018</b> | <b>1461</b> | <b>1239</b>     | <b>176</b>        | <b>1415</b>    | <b>1065</b>     | <b>350</b>       | <b>1415</b>       |                  |                                |                 | <b>365</b>     | <b>1050</b>          |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|-------------------------------------|----------------------------------|----------------------------------------|---------------------------------|
| *              | Oct 2015 | 17                                  | 15                               | 7645.65                                | 77                              |
| H              | Nov 2015 | 11                                  | 5                                | 7648.25                                | 83                              |
| I              | Dec 2015 | 7                                   | 4                                | 7649.57                                | 86                              |
| S              | Jan 2016 | 6                                   | 7                                | 7649.21                                | 85                              |
| T              | Feb 2016 | 7                                   | 6                                | 7649.77                                | 86                              |
| O              | Mar 2016 | 14                                  | 6                                | 7652.71                                | 94                              |
| R              | Apr 2016 | 25                                  | 13                               | 7657.23                                | 105                             |
| I              | May 2016 | 60                                  | 44                               | 7663.23                                | 121                             |
| C              | Jun 2016 | 77                                  | 73                               | 7664.30                                | 124                             |
| A              | Jul 2016 | 17                                  | 38                               | 7656.15                                | 102                             |
| L              | Aug 2016 | 15                                  | 33                               | 7648.82                                | 84                              |
| *              | Sep 2016 | 14                                  | 27                               | 7643.21                                | 71                              |
| <b>WY 2016</b> |          | <b>269</b>                          | <b>270</b>                       |                                        |                                 |
|                | Oct 2016 | 10                                  | 15                               | 7640.65                                | 66                              |
|                | Nov 2016 | 7                                   | 2                                | 7643.00                                | 71                              |
|                | Dec 2016 | 6                                   | 2                                | 7644.82                                | 75                              |
|                | Jan 2017 | 6                                   | 2                                | 7646.44                                | 79                              |
|                | Feb 2017 | 5                                   | 2                                | 7647.81                                | 82                              |
|                | Mar 2017 | 11                                  | 2                                | 7651.36                                | 90                              |
|                | Apr 2017 | 31                                  | 10                               | 7659.60                                | 111                             |
|                | May 2017 | 89                                  | 105                              | 7653.01                                | 94                              |
|                | Jun 2017 | 105                                 | 76                               | 7664.10                                | 123                             |
|                | Jul 2017 | 47                                  | 50                               | 7662.55                                | 119                             |
|                | Aug 2017 | 27                                  | 38                               | 7658.25                                | 108                             |
|                | Sep 2017 | 22                                  | 30                               | 7655.16                                | 100                             |
| <b>WY 2017</b> |          | <b>365</b>                          | <b>333</b>                       |                                        |                                 |
|                | Oct 2017 | 19                                  | 19                               | 7655.07                                | 99                              |
|                | Nov 2017 | 11                                  | 10                               | 7655.29                                | 100                             |
|                | Dec 2017 | 7                                   | 7                                | 7655.28                                | 100                             |
|                | Jan 2018 | 6                                   | 6                                | 7655.25                                | 100                             |
|                | Feb 2018 | 5                                   | 5                                | 7655.28                                | 100                             |
|                | Mar 2018 | 10                                  | 2                                | 7658.51                                | 108                             |
|                | Apr 2018 | 28                                  | 13                               | 7664.10                                | 123                             |
|                | May 2018 | 84                                  | 93                               | 7660.50                                | 113                             |
|                | Jun 2018 | 91                                  | 81                               | 7664.09                                | 123                             |
|                | Jul 2018 | 38                                  | 47                               | 7660.23                                | 113                             |
|                | Aug 2018 | 24                                  | 38                               | 7654.52                                | 98                              |
|                | Sep 2018 | 21                                  | 30                               | 7650.91                                | 89                              |
| <b>WY 2018</b> |          | <b>344</b>                          | <b>351</b>                       |                                        |                                 |



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## October 2016 24-Month Study

Maximum 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) |
|----------------|----------|-------------------------------------|--------------------------------------|-------------------------------|--------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|------------------------------------|
| *              | Oct 2015 | 42                                  | 1                                    | 40                            | 2                              | 9                                 | 29                               | 6063.43                                | 1392                            | 55                                 |
| H              | Nov 2015 | 37                                  | 1                                    | 30                            | 1                              | 0                                 | 21                               | 6064.00                                | 1400                            | 39                                 |
| I              | Dec 2015 | 23                                  | 0                                    | 19                            | 1                              | 0                                 | 21                               | 6063.81                                | 1397                            | 34                                 |
| S              | Jan 2016 | 22                                  | 0                                    | 23                            | 1                              | 0                                 | 22                               | 6063.77                                | 1396                            | 34                                 |
| T              | Feb 2016 | 42                                  | 2                                    | 39                            | 1                              | 1                                 | 28                               | 6064.39                                | 1405                            | 43                                 |
| O              | Mar 2016 | 81                                  | 7                                    | 67                            | 2                              | 4                                 | 25                               | 6067.08                                | 1441                            | 52                                 |
| R              | Apr 2016 | 119                                 | 13                                   | 94                            | 3                              | 19                                | 22                               | 6070.75                                | 1491                            | 53                                 |
| I              | May 2016 | 209                                 | 26                                   | 165                           | 4                              | 12                                | 91                               | 6074.87                                | 1549                            | 175                                |
| C              | Jun 2016 | 214                                 | 35                                   | 174                           | 5                              | 25                                | 250                              | 6067.29                                | 1443                            | 376                                |
| A              | Jul 2016 | 24                                  | 4                                    | 40                            | 5                              | 37                                | 79                               | 6061.29                                | 1364                            | 97                                 |
| L              | Aug 2016 | 30                                  | 4                                    | 45                            | 4                              | 33                                | 35                               | 6059.16                                | 1337                            | 54                                 |
| *              | Sep 2016 | 21                                  | 1                                    | 33                            | 3                              | 27                                | 30                               | 6056.98                                | 1310                            | 42                                 |
| <b>WY 2016</b> |          | <b>863</b>                          | <b>94</b>                            | <b>768</b>                    | <b>29</b>                      | <b>169</b>                        | <b>653</b>                       |                                        |                                 | <b>1054</b>                        |
|                | Oct 2016 | 27                                  | 3                                    | 29                            | 2                              | 7                                 | 24                               | 6056.70                                | 1306                            | 46                                 |
|                | Nov 2016 | 29                                  | 1                                    | 23                            | 1                              | 0                                 | 22                               | 6056.65                                | 1306                            | 37                                 |
|                | Dec 2016 | 22                                  | 0                                    | 18                            | 1                              | 0                                 | 23                               | 6056.16                                | 1300                            | 37                                 |
|                | Jan 2017 | 26                                  | 0                                    | 22                            | 1                              | 0                                 | 23                               | 6056.04                                | 1298                            | 37                                 |
|                | Feb 2017 | 38                                  | 0                                    | 35                            | 1                              | 0                                 | 21                               | 6057.08                                | 1311                            | 34                                 |
|                | Mar 2017 | 119                                 | 6                                    | 104                           | 2                              | 5                                 | 23                               | 6062.89                                | 1385                            | 51                                 |
|                | Apr 2017 | 248                                 | 23                                   | 204                           | 3                              | 20                                | 22                               | 6074.46                                | 1543                            | 95                                 |
|                | May 2017 | 367                                 | 58                                   | 326                           | 4                              | 34                                | 261                              | 6076.29                                | 1570                            | 448                                |
|                | Jun 2017 | 351                                 | 58                                   | 264                           | 5                              | 50                                | 297                              | 6070.08                                | 1482                            | 512                                |
|                | Jul 2017 | 131                                 | 24                                   | 110                           | 5                              | 55                                | 130                              | 6064.24                                | 1403                            | 241                                |
|                | Aug 2017 | 76                                  | 11                                   | 76                            | 4                              | 46                                | 23                               | 6064.50                                | 1406                            | 79                                 |
|                | Sep 2017 | 65                                  | 7                                    | 66                            | 3                              | 26                                | 57                               | 6063.05                                | 1387                            | 99                                 |
| <b>WY 2017</b> |          | <b>1500</b>                         | <b>192</b>                           | <b>1276</b>                   | <b>29</b>                      | <b>243</b>                        | <b>927</b>                       |                                        |                                 | <b>1717</b>                        |
|                | Oct 2017 | 67                                  | 6                                    | 60                            | 2                              | 9                                 | 23                               | 6065.04                                | 1413                            | 58                                 |
|                | Nov 2017 | 41                                  | 2                                    | 39                            | 1                              | 0                                 | 22                               | 6066.22                                | 1429                            | 43                                 |
|                | Dec 2017 | 30                                  | 0                                    | 30                            | 1                              | 0                                 | 23                               | 6066.66                                | 1435                            | 40                                 |
|                | Jan 2018 | 25                                  | 0                                    | 25                            | 1                              | 0                                 | 23                               | 6066.78                                | 1436                            | 38                                 |
|                | Feb 2018 | 36                                  | 0                                    | 36                            | 1                              | 0                                 | 21                               | 6067.83                                | 1451                            | 34                                 |
|                | Mar 2018 | 117                                 | 5                                    | 104                           | 2                              | 5                                 | 23                               | 6073.14                                | 1525                            | 50                                 |
|                | Apr 2018 | 214                                 | 20                                   | 179                           | 3                              | 21                                | 22                               | 6082.16                                | 1657                            | 86                                 |
|                | May 2018 | 347                                 | 53                                   | 303                           | 4                              | 35                                | 261                              | 6082.32                                | 1660                            | 435                                |
|                | Jun 2018 | 306                                 | 53                                   | 243                           | 5                              | 51                                | 297                              | 6074.89                                | 1550                            | 489                                |
|                | Jul 2018 | 96                                  | 16                                   | 90                            | 5                              | 56                                | 130                              | 6067.68                                | 1449                            | 219                                |
|                | Aug 2018 | 59                                  | 5                                    | 68                            | 4                              | 47                                | 33                               | 6066.48                                | 1432                            | 80                                 |
|                | Sep 2018 | 58                                  | 3                                    | 63                            | 3                              | 26                                | 80                               | 6063.04                                | 1387                            | 119                                |
| <b>WY 2018</b> |          | <b>1397</b>                         | <b>164</b>                           | <b>1239</b>                   | <b>30</b>                      | <b>251</b>                        | <b>958</b>                       |                                        |                                 | <b>1691</b>                        |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|---------------------------------|-------------------------------------|--------------------------------|---------------------------------------|-----------------------------------|----------------------------------|----------------------------------------|---------------------------------|--------------------------------|------------------------------------|
| *              | Oct 2015 | 535                             | 680                                 | 34                             | 600                                   | 0                                 | 600                              | 3606.44                                | 5044                            | 12375                          | 609                                |
| H              | Nov 2015 | 421                             | 506                                 | 32                             | 577                                   | 0                                 | 577                              | 3605.47                                | 5036                            | 12280                          | 583                                |
| I              | Dec 2015 | 266                             | 393                                 | 26                             | 857                                   | 0                                 | 857                              | 3600.80                                | 5000                            | 11827                          | 863                                |
| S              | Jan 2016 | 300                             | 433                                 | 8                              | 857                                   | 0                                 | 857                              | 3596.58                                | 4968                            | 11427                          | 865                                |
| T              | Feb 2016 | 396                             | 490                                 | 8                              | 700                                   | 0                                 | 700                              | 3594.41                                | 4952                            | 11224                          | 704                                |
| O              | Mar 2016 | 553                             | 486                                 | 14                             | 694                                   | 0                                 | 694                              | 3592.18                                | 4935                            | 11019                          | 707                                |
| R              | Apr 2016 | 814                             | 681                                 | 22                             | 665                                   | 0                                 | 665                              | 3592.12                                | 4935                            | 11014                          | 681                                |
| I              | May 2016 | 2294                            | 1925                                | 26                             | 700                                   | 0                                 | 700                              | 3603.87                                | 5024                            | 12123                          | 714                                |
| C              | Jun 2016 | 2907                            | 2618                                | 46                             | 800                                   | 0                                 | 800                              | 3620.01                                | 5155                            | 13764                          | 812                                |
| A              | Jul 2016 | 595                             | 804                                 | 58                             | 950                                   | 0                                 | 950                              | 3618.22                                | 5140                            | 13576                          | 969                                |
| L              | Aug 2016 | 253                             | 432                                 | 56                             | 900                                   | 0                                 | 900                              | 3613.55                                | 5101                            | 13091                          | 920                                |
| *              | Sep 2016 | 281                             | 461                                 | 50                             | 699                                   | 0                                 | 699                              | 3610.93                                | 5080                            | 12824                          | 717                                |
| <b>WY 2016</b> |          | <b>9616</b>                     | <b>9909</b>                         | <b>378</b>                     | <b>9000</b>                           | <b>0</b>                          | <b>9000</b>                      |                                        |                                 |                                | <b>9145</b>                        |
|                | Oct 2016 | 450                             | 511                                 | 35                             | 600                                   | 0                                 | 600                              | 3609.80                                | 5070                            | 12710                          | 610                                |
|                | Nov 2016 | 420                             | 468                                 | 33                             | 600                                   | 0                                 | 600                              | 3608.27                                | 5058                            | 12557                          | 609                                |
|                | Dec 2016 | 330                             | 473                                 | 26                             | 900                                   | 0                                 | 900                              | 3604.01                                | 5025                            | 12137                          | 908                                |
|                | Jan 2017 | 453                             | 556                                 | 8                              | 900                                   | 0                                 | 900                              | 3600.64                                | 4999                            | 11811                          | 908                                |
|                | Feb 2017 | 476                             | 537                                 | 8                              | 800                                   | 0                                 | 800                              | 3598.00                                | 4979                            | 11560                          | 809                                |
|                | Mar 2017 | 865                             | 764                                 | 14                             | 900                                   | 0                                 | 900                              | 3596.53                                | 4967                            | 11422                          | 908                                |
|                | Apr 2017 | 1685                            | 1362                                | 23                             | 1000                                  | 0                                 | 1000                             | 3599.85                                | 4993                            | 11736                          | 1011                               |
|                | May 2017 | 3810                            | 3519                                | 29                             | 1200                                  | 0                                 | 1200                             | 3620.87                                | 5162                            | 13856                          | 1208                               |
|                | Jun 2017 | 4640                            | 4365                                | 53                             | 1300                                  | 0                                 | 1300                             | 3645.36                                | 5385                            | 16645                          | 1305                               |
|                | Jul 2017 | 2337                            | 2100                                | 69                             | 1400                                  | 0                                 | 1400                             | 3650.11                                | 5432                            | 17229                          | 1411                               |
|                | Aug 2017 | 904                             | 908                                 | 69                             | 1400                                  | 0                                 | 1400                             | 3645.89                                | 5390                            | 16709                          | 1416                               |
|                | Sep 2017 | 629                             | 746                                 | 63                             | 961                                   | 0                                 | 961                              | 3643.77                                | 5370                            | 16453                          | 977                                |
| <b>WY 2017</b> |          | <b>17000</b>                    | <b>16310</b>                        | <b>430</b>                     | <b>11961</b>                          | <b>0</b>                          | <b>11961</b>                     |                                        |                                 |                                | <b>12079</b>                       |
|                | Oct 2017 | 749                             | 807                                 | 43                             | 600                                   | 0                                 | 600                              | 3645.02                                | 5382                            | 16604                          | 608                                |
|                | Nov 2017 | 586                             | 658                                 | 42                             | 600                                   | 0                                 | 600                              | 3645.14                                | 5383                            | 16618                          | 607                                |
|                | Dec 2017 | 409                             | 565                                 | 33                             | 800                                   | 0                                 | 800                              | 3643.08                                | 5363                            | 16370                          | 807                                |
|                | Jan 2018 | 409                             | 558                                 | 10                             | 950                                   | 0                                 | 950                              | 3639.95                                | 5333                            | 15997                          | 959                                |
|                | Feb 2018 | 446                             | 549                                 | 11                             | 800                                   | 0                                 | 800                              | 3637.88                                | 5314                            | 15754                          | 811                                |
|                | Mar 2018 | 775                             | 725                                 | 19                             | 950                                   | 0                                 | 950                              | 3635.93                                | 5296                            | 15528                          | 959                                |
|                | Apr 2018 | 1306                            | 1103                                | 29                             | 1100                                  | 0                                 | 1100                             | 3635.72                                | 5294                            | 15503                          | 1106                               |
|                | May 2018 | 3063                            | 2999                                | 37                             | 1200                                  | 0                                 | 1200                             | 3649.35                                | 5425                            | 17135                          | 1204                               |
|                | Jun 2018 | 3564                            | 3207                                | 61                             | 1300                                  | 0                                 | 1300                             | 3662.67                                | 5561                            | 18844                          | 1302                               |
|                | Jul 2018 | 1568                            | 1467                                | 76                             | 1400                                  | 0                                 | 1400                             | 3662.60                                | 5561                            | 18836                          | 1410                               |
|                | Aug 2018 | 694                             | 732                                 | 75                             | 1400                                  | 0                                 | 1400                             | 3657.35                                | 5506                            | 18148                          | 1416                               |
|                | Sep 2018 | 493                             | 622                                 | 67                             | 1018                                  | 0                                 | 1018                             | 3654.00                                | 5471                            | 17718                          | 1035                               |
| <b>WY 2018</b> |          | <b>14062</b>                    | <b>13990</b>                        | <b>505</b>                     | <b>12118</b>                          | <b>0</b>                          | <b>12118</b>                     |                                        |                                 |                                | <b>12224</b>                       |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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) |
|----------------|----------|------------------------------|-----------------------------------------------|-----------------------------|-------------------------------|-----------------------------|--------------------------|-----------------------------------------|------------------------------|----------------------------------------|-----------------------------|
| *              | Oct 2015 | 600                          | 118                                           | 42                          | 578                           | 9.4                         | 20                       | 577                                     | 645                          | 1078.99                                | 9927                        |
| H              | Nov 2015 | 577                          | 41                                            | 42                          | 631                           | 10.6                        | 12                       | 630                                     | 641                          | 1078.23                                | 9865                        |
| I              | Dec 2015 | 857                          | 43                                            | 36                          | 619                           | 10.1                        | 9                        | 618                                     | 656                          | 1080.91                                | 10087                       |
| S              | Jan 2016 | 857                          | 89                                            | 30                          | 662                           | 10.8                        | 8                        | 661                                     | 671                          | 1083.68                                | 10318                       |
| T              | Feb 2016 | 700                          | 81                                            | 28                          | 699                           | 12.2                        | 10                       | 698                                     | 673                          | 1084.17                                | 10360                       |
| O              | Mar 2016 | 694                          | 31                                            | 31                          | 1008                          | 16.4                        | 18                       | 1007                                    | 653                          | 1080.45                                | 10048                       |
| R              | Apr 2016 | 665                          | 68                                            | 38                          | 1055                          | 17.7                        | 18                       | 1055                                    | 630                          | 1076.13                                | 9693                        |
| I              | May 2016 | 700                          | 50                                            | 43                          | 887                           | 14.4                        | 22                       | 885                                     | 618                          | 1073.80                                | 9504                        |
| C              | Jun 2016 | 800                          | 14                                            | 51                          | 920                           | 15.5                        | 28                       | 919                                     | 606                          | 1071.64                                | 9330                        |
| A              | Jul 2016 | 950                          | 70                                            | 64                          | 831                           | 13.5                        | 30                       | 840                                     | 612                          | 1072.75                                | 9419                        |
| L              | Aug 2016 | 900                          | 107                                           | 69                          | 701                           | 11.4                        | 28                       | 700                                     | 625                          | 1075.17                                | 9615                        |
| *              | Sep 2016 | 699                          | 88                                            | 57                          | 702                           | 11.8                        | 23                       | 702                                     | 625                          | 1075.23                                | 9620                        |
| <b>WY 2016</b> |          | <b>9000</b>                  | <b>799</b>                                    | <b>531</b>                  | <b>9293</b>                   |                             | <b>225</b>               | <b>9292</b>                             |                              |                                        |                             |
|                | Oct 2016 | 600                          | 82                                            | 42                          | 516                           | 8.4                         | 20                       | 516                                     | 632                          | 1076.43                                | 9718                        |
|                | Nov 2016 | 600                          | 71                                            | 42                          | 700                           | 11.8                        | 11                       | 700                                     | 627                          | 1075.49                                | 9641                        |
|                | Dec 2016 | 900                          | 60                                            | 36                          | 491                           | 8.0                         | 6                        | 491                                     | 653                          | 1080.36                                | 10041                       |
|                | Jan 2017 | 900                          | 65                                            | 30                          | 691                           | 11.2                        | 8                        | 691                                     | 667                          | 1083.02                                | 10263                       |
|                | Feb 2017 | 800                          | 74                                            | 28                          | 704                           | 12.7                        | 7                        | 704                                     | 675                          | 1084.54                                | 10391                       |
|                | Mar 2017 | 900                          | 62                                            | 31                          | 1018                          | 16.6                        | 15                       | 1018                                    | 669                          | 1083.40                                | 10295                       |
|                | Apr 2017 | 1000                         | 86                                            | 39                          | 1094                          | 18.4                        | 21                       | 1094                                    | 665                          | 1082.65                                | 10232                       |
|                | May 2017 | 1200                         | 62                                            | 45                          | 985                           | 16.0                        | 29                       | 985                                     | 677                          | 1084.91                                | 10422                       |
|                | Jun 2017 | 1300                         | 41                                            | 54                          | 880                           | 14.8                        | 29                       | 880                                     | 700                          | 1089.06                                | 10776                       |
|                | Jul 2017 | 1400                         | 84                                            | 69                          | 835                           | 13.6                        | 31                       | 835                                     | 734                          | 1094.98                                | 11291                       |
|                | Aug 2017 | 1400                         | 129                                           | 75                          | 755                           | 12.3                        | 29                       | 755                                     | 775                          | 1102.07                                | 11921                       |
|                | Sep 2017 | 961                          | 125                                           | 63                          | 724                           | 12.2                        | 16                       | 724                                     | 792                          | 1105.00                                | 12186                       |
| <b>WY 2017</b> |          | <b>11961</b>                 | <b>939</b>                                    | <b>554</b>                  | <b>9391</b>                   |                             | <b>221</b>               | <b>9391</b>                             |                              |                                        |                             |
|                | Oct 2017 | 600                          | 67                                            | 47                          | 426                           | 6.9                         | 20                       | 426                                     | 803                          | 1106.79                                | 12350                       |
|                | Nov 2017 | 600                          | 59                                            | 47                          | 567                           | 9.5                         | 11                       | 567                                     | 805                          | 1107.14                                | 12382                       |
|                | Dec 2017 | 800                          | 55                                            | 41                          | 515                           | 8.4                         | 7                        | 515                                     | 823                          | 1110.09                                | 12656                       |
|                | Jan 2018 | 950                          | 72                                            | 34                          | 748                           | 12.2                        | 8                        | 748                                     | 837                          | 1112.41                                | 12874                       |
|                | Feb 2018 | 800                          | 84                                            | 31                          | 715                           | 12.9                        | 7                        | 715                                     | 845                          | 1113.71                                | 12997                       |
|                | Mar 2018 | 950                          | 68                                            | 35                          | 1043                          | 17.0                        | 15                       | 1043                                    | 840                          | 1112.97                                | 12927                       |
|                | Apr 2018 | 1100                         | 45                                            | 44                          | 1125                          | 18.9                        | 21                       | 1125                                    | 838                          | 1112.54                                | 12885                       |
|                | May 2018 | 1200                         | 28                                            | 50                          | 1019                          | 16.6                        | 29                       | 1019                                    | 845                          | 1113.82                                | 13007                       |
|                | Jun 2018 | 1300                         | 16                                            | 61                          | 912                           | 15.3                        | 30                       | 912                                     | 865                          | 1116.89                                | 13301                       |
|                | Jul 2018 | 1400                         | 79                                            | 78                          | 867                           | 14.1                        | 31                       | 867                                     | 895                          | 1121.77                                | 13774                       |
|                | Aug 2018 | 1400                         | 130                                           | 84                          | 783                           | 12.7                        | 29                       | 783                                     | 934                          | 1127.77                                | 14369                       |
|                | Sep 2018 | 1018                         | 138                                           | 71                          | 745                           | 12.5                        | 16                       | 745                                     | 954                          | 1130.78                                | 14674                       |
| <b>WY 2018</b> |          | <b>12118</b>                 | <b>841</b>                                    | <b>622</b>                  | <b>9463</b>                   |                             | <b>224</b>               | <b>9463</b>                             |                              |                                        |                             |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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 Storage<br>(1000 Ac-Ft) |
|----------------|----------|--------------------------------|-----------------------------|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-----------------------------|----------------------------------------|-----------------------------|
| *              | Oct 2015 | 578                            | -7                          | 15                          | 655                           | 0                             | 655                           | 10.7                        | 635.80                                 | 1507                        |
| H              | Nov 2015 | 631                            | -14                         | 10                          | 599                           | 0                             | 599                           | 10.1                        | 636.11                                 | 1514                        |
| I              | Dec 2015 | 619                            | -13                         | 9                           | 527                           | 0                             | 527                           | 8.6                         | 638.77                                 | 1585                        |
| S              | Jan 2016 | 662                            | -32                         | 10                          | 553                           | 0                             | 553                           | 9.0                         | 641.26                                 | 1651                        |
| T              | Feb 2016 | 699                            | -20                         | 10                          | 675                           | 0                             | 675                           | 11.7                        | 641.04                                 | 1645                        |
| O              | Mar 2016 | 1008                           | -16                         | 13                          | 921                           | 0                             | 921                           | 15.0                        | 643.17                                 | 1703                        |
| R              | Apr 2016 | 1055                           | -18                         | 17                          | 979                           | 0                             | 979                           | 16.4                        | 644.70                                 | 1746                        |
| I              | May 2016 | 887                            | -6                          | 22                          | 903                           | 0                             | 903                           | 14.7                        | 643.07                                 | 1701                        |
| C              | Jun 2016 | 920                            | -16                         | 26                          | 838                           | 0                             | 838                           | 14.1                        | 644.53                                 | 1741                        |
| A              | Jul 2016 | 831                            | -24                         | 26                          | 803                           | 0                             | 803                           | 13.1                        | 643.75                                 | 1719                        |
| L              | Aug 2016 | 701                            | -12                         | 23                          | 714                           | 0                             | 714                           | 11.6                        | 642.00                                 | 1671                        |
| *              | Sep 2016 | 702                            | -18                         | 18                          | 711                           | 0                             | 711                           | 11.9                        | 640.34                                 | 1627                        |
| <b>WY 2016</b> |          | <b>9293</b>                    | <b>-195</b>                 | <b>198</b>                  | <b>8879</b>                   | <b>0</b>                      | <b>8879</b>                   |                             |                                        |                             |
|                | Oct 2016 | 516                            | -1                          | 15                          | 640                           | 0                             | 640                           | 10.4                        | 635.00                                 | 1486                        |
|                | Nov 2016 | 700                            | -8                          | 11                          | 550                           | 0                             | 550                           | 9.2                         | 640.01                                 | 1617                        |
|                | Dec 2016 | 491                            | -12                         | 9                           | 469                           | 0                             | 469                           | 7.6                         | 640.01                                 | 1617                        |
|                | Jan 2017 | 691                            | -14                         | 10                          | 618                           | 0                             | 618                           | 10.1                        | 641.80                                 | 1666                        |
|                | Feb 2017 | 704                            | -14                         | 10                          | 680                           | 0                             | 680                           | 12.2                        | 641.80                                 | 1666                        |
|                | Mar 2017 | 1018                           | -16                         | 13                          | 955                           | 0                             | 955                           | 15.5                        | 643.05                                 | 1700                        |
|                | Apr 2017 | 1094                           | -19                         | 17                          | 1059                          | 0                             | 1059                          | 17.8                        | 643.00                                 | 1699                        |
|                | May 2017 | 985                            | -13                         | 22                          | 950                           | 0                             | 950                           | 15.4                        | 643.00                                 | 1699                        |
|                | Jun 2017 | 880                            | -16                         | 25                          | 866                           | 0                             | 866                           | 14.5                        | 642.00                                 | 1671                        |
|                | Jul 2017 | 835                            | -13                         | 25                          | 810                           | 0                             | 810                           | 13.2                        | 641.50                                 | 1658                        |
|                | Aug 2017 | 755                            | -11                         | 23                          | 721                           | 0                             | 721                           | 11.7                        | 641.50                                 | 1658                        |
|                | Sep 2017 | 724                            | -9                          | 18                          | 737                           | 0                             | 737                           | 12.4                        | 640.01                                 | 1617                        |
| <b>WY 2017</b> |          | <b>9391</b>                    | <b>-146</b>                 | <b>197</b>                  | <b>9056</b>                   | <b>0</b>                      | <b>9056</b>                   |                             |                                        |                             |
|                | Oct 2017 | 426                            | -1                          | 15                          | 593                           | 0                             | 593                           | 9.6                         | 633.00                                 | 1434                        |
|                | Nov 2017 | 567                            | -8                          | 10                          | 498                           | 0                             | 498                           | 8.4                         | 635.00                                 | 1486                        |
|                | Dec 2017 | 515                            | -12                         | 9                           | 397                           | 0                             | 397                           | 6.5                         | 638.71                                 | 1583                        |
|                | Jan 2018 | 748                            | -14                         | 10                          | 641                           | 0                             | 641                           | 10.4                        | 641.80                                 | 1666                        |
|                | Feb 2018 | 715                            | -14                         | 10                          | 691                           | 0                             | 691                           | 12.5                        | 641.80                                 | 1666                        |
|                | Mar 2018 | 1043                           | -16                         | 13                          | 980                           | 0                             | 980                           | 15.9                        | 643.05                                 | 1700                        |
|                | Apr 2018 | 1125                           | -19                         | 17                          | 1090                          | 0                             | 1090                          | 18.3                        | 643.00                                 | 1699                        |
|                | May 2018 | 1019                           | -13                         | 22                          | 984                           | 0                             | 984                           | 16.0                        | 643.00                                 | 1699                        |
|                | Jun 2018 | 912                            | -16                         | 25                          | 898                           | 0                             | 898                           | 15.1                        | 642.00                                 | 1671                        |
|                | Jul 2018 | 867                            | -13                         | 25                          | 841                           | 0                             | 841                           | 13.7                        | 641.50                                 | 1658                        |
|                | Aug 2018 | 783                            | -11                         | 23                          | 749                           | 0                             | 749                           | 12.2                        | 641.50                                 | 1658                        |
|                | Sep 2018 | 745                            | -9                          | 18                          | 758                           | 0                             | 758                           | 12.7                        | 640.01                                 | 1617                        |
| <b>WY 2018</b> |          | <b>9463</b>                    | <b>-146</b>                 | <b>197</b>                  | <b>9120</b>                   | <b>0</b>                      | <b>9120</b>                   |                             |                                        |                             |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## October 2016 24-Month Study

Maximum Probable Inflow\*

### Parker Dam - Lake Havasu



|                | Date     | Davis Release<br>(1000 Ac-Ft) | Side Inflow<br>(1000 Ac-Ft) | Evap Losses<br>(1000 Ac-Ft) | Total Release<br>(1000 Ac-Ft) | Total Release<br>(1000 CFS) | MWD Diversion<br>(1000 Ac-Ft) | CAP Diversion<br>(1000 Ac-Ft) | Reservoir Elev<br>End of Month<br>(Ft) | EOM Storage<br>(1000 Ac-Ft) | Flow To Mexico<br>(1000 Ac-Ft) | Flow To Mexico<br>(1000 CFS) |
|----------------|----------|-------------------------------|-----------------------------|-----------------------------|-------------------------------|-----------------------------|-------------------------------|-------------------------------|----------------------------------------|-----------------------------|--------------------------------|------------------------------|
| *              | Oct 2015 | 655                           | 34                          | 12                          | 458                           | 7.5                         | 101                           | 115                           | 447.88                                 | 578                         | 59                             | 1.0                          |
| H              | Nov 2015 | 599                           | 11                          | 9                           | 385                           | 6.5                         | 98                            | 120                           | 447.57                                 | 572                         | 93                             | 1.6                          |
| I              | Dec 2015 | 527                           | 22                          | 7                           | 321                           | 5.2                         | 101                           | 130                           | 446.92                                 | 560                         | 105                            | 1.7                          |
| S              | Jan 2016 | 553                           | 26                          | 6                           | 324                           | 5.3                         | 97                            | 156                           | 446.60                                 | 554                         | 154                            | 2.5                          |
| T              | Feb 2016 | 675                           | 9                           | 8                           | 543                           | 9.4                         | 13                            | 117                           | 446.50                                 | 552                         | 180                            | 3.1                          |
| O              | Mar 2016 | 921                           | 18                          | 9                           | 695                           | 11.3                        | 89                            | 123                           | 447.40                                 | 569                         | 221                            | 3.6                          |
| R              | Apr 2016 | 979                           | 18                          | 11                          | 689                           | 11.6                        | 93                            | 169                           | 448.89                                 | 597                         | 202                            | 3.4                          |
| I              | May 2016 | 903                           | 13                          | 13                          | 636                           | 10.3                        | 97                            | 176                           | 448.08                                 | 581                         | 97                             | 1.6                          |
| C              | Jun 2016 | 838                           | 18                          | 15                          | 633                           | 10.6                        | 95                            | 89                            | 448.81                                 | 596                         | 92                             | 1.5                          |
| A              | Jul 2016 | 803                           | 20                          | 17                          | 617                           | 10.0                        | 100                           | 74                            | 449.03                                 | 600                         | 102                            | 1.7                          |
| L              | Aug 2016 | 714                           | 22                          | 17                          | 570                           | 9.3                         | 85                            | 65                            | 448.50                                 | 590                         | 99                             | 1.6                          |
| *              | Sep 2016 | 711                           | 14                          | 15                          | 490                           | 8.2                         | 89                            | 134                           | 447.97                                 | 579                         | 92                             | 1.5                          |
| <b>WY 2016</b> |          | <b>8879</b>                   | <b>226</b>                  | <b>140</b>                  | <b>6360</b>                   |                             | <b>1057</b>                   | <b>1467</b>                   |                                        |                             | <b>1496</b>                    |                              |
|                | Oct 2016 | 640                           | 27                          | 12                          | 455                           | 7.4                         | 81                            | 135                           | 446.80                                 | 557                         | 61                             | 1.0                          |
|                | Nov 2016 | 550                           | 22                          | 8                           | 361                           | 6.1                         | 82                            | 123                           | 446.30                                 | 548                         | 97                             | 1.6                          |
|                | Dec 2016 | 469                           | 19                          | 6                           | 274                           | 4.5                         | 83                            | 117                           | 446.50                                 | 552                         | 106                            | 1.7                          |
|                | Jan 2017 | 618                           | 13                          | 6                           | 388                           | 6.3                         | 79                            | 154                           | 446.50                                 | 552                         | 154                            | 2.5                          |
|                | Feb 2017 | 680                           | 12                          | 8                           | 484                           | 8.7                         | 49                            | 143                           | 446.50                                 | 552                         | 180                            | 3.2                          |
|                | Mar 2017 | 955                           | 4                           | 9                           | 723                           | 11.8                        | 67                            | 150                           | 446.70                                 | 555                         | 206                            | 3.4                          |
|                | Apr 2017 | 1059                          | 19                          | 11                          | 760                           | 12.8                        | 77                            | 183                           | 448.70                                 | 593                         | 192                            | 3.2                          |
|                | May 2017 | 950                           | 16                          | 13                          | 673                           | 10.9                        | 79                            | 189                           | 448.70                                 | 593                         | 97                             | 1.6                          |
|                | Jun 2017 | 866                           | 14                          | 16                          | 686                           | 11.5                        | 77                            | 87                            | 448.70                                 | 593                         | 98                             | 1.6                          |
|                | Jul 2017 | 810                           | 29                          | 17                          | 653                           | 10.6                        | 79                            | 90                            | 448.00                                 | 580                         | 99                             | 1.6                          |
|                | Aug 2017 | 721                           | 26                          | 17                          | 556                           | 9.0                         | 79                            | 91                            | 447.50                                 | 571                         | 99                             | 1.6                          |
|                | Sep 2017 | 737                           | 23                          | 15                          | 506                           | 8.5                         | 77                            | 153                           | 447.50                                 | 570                         | 89                             | 1.5                          |
| <b>WY 2017</b> |          | <b>9056</b>                   | <b>224</b>                  | <b>139</b>                  | <b>6519</b>                   |                             | <b>907</b>                    | <b>1614</b>                   |                                        |                             | <b>1477</b>                    |                              |
|                | Oct 2017 | 593                           | 27                          | 12                          | 466                           | 7.6                         | 27                            | 108                           | 447.50                                 | 571                         | 68                             | 1.1                          |
|                | Nov 2017 | 498                           | 22                          | 9                           | 370                           | 6.2                         | 27                            | 108                           | 447.50                                 | 571                         | 103                            | 1.7                          |
|                | Dec 2017 | 397                           | 19                          | 7                           | 288                           | 4.7                         | 27                            | 108                           | 446.50                                 | 552                         | 115                            | 1.9                          |
|                | Jan 2018 | 641                           | 13                          | 6                           | 382                           | 6.2                         | 106                           | 155                           | 446.50                                 | 552                         | 154                            | 2.5                          |
|                | Feb 2018 | 691                           | 12                          | 8                           | 480                           | 8.7                         | 63                            | 144                           | 446.50                                 | 552                         | 180                            | 3.2                          |
|                | Mar 2018 | 980                           | 4                           | 9                           | 724                           | 11.8                        | 89                            | 151                           | 446.70                                 | 555                         | 206                            | 3.4                          |
|                | Apr 2018 | 1090                          | 19                          | 11                          | 763                           | 12.8                        | 103                           | 183                           | 448.70                                 | 593                         | 192                            | 3.2                          |
|                | May 2018 | 984                           | 16                          | 13                          | 679                           | 11.0                        | 106                           | 190                           | 448.70                                 | 593                         | 97                             | 1.6                          |
|                | Jun 2018 | 898                           | 14                          | 16                          | 691                           | 11.6                        | 103                           | 87                            | 448.70                                 | 593                         | 98                             | 1.6                          |
|                | Jul 2018 | 841                           | 29                          | 17                          | 657                           | 10.7                        | 106                           | 90                            | 448.00                                 | 580                         | 99                             | 1.6                          |
|                | Aug 2018 | 749                           | 26                          | 17                          | 556                           | 9.0                         | 106                           | 92                            | 447.50                                 | 571                         | 99                             | 1.6                          |
|                | Sep 2018 | 758                           | 23                          | 15                          | 499                           | 8.4                         | 103                           | 154                           | 447.50                                 | 570                         | 89                             | 1.5                          |
| <b>WY 2018</b> |          | <b>9120</b>                   | <b>224</b>                  | <b>139</b>                  | <b>6556</b>                   |                             | <b>969</b>                    | <b>1572</b>                   |                                        |                             | <b>1500</b>                    |                              |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## October 2016 24-Month Study

Maximum 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 |
|----------------|----------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| *              | Oct 2015 | 578                           | 9.4                         | 1078.99                                | 9927                           | 73                                   | 435.13                        | 1088.0                       | 221.8                          | 70                               | 383.6  |
| H              | Nov 2015 | 631                           | 10.6                        | 1078.23                                | 9865                           | -63                                  | 433.49                        | 1088.0                       | 244.8                          | 70                               | 387.9  |
| I              | Dec 2015 | 619                           | 10.1                        | 1080.91                                | 10087                          | 222                                  | 434.77                        | 1069.0                       | 241.9                          | 68                               | 390.9  |
| S              | Jan 2016 | 662                           | 10.8                        | 1083.68                                | 10318                          | 232                                  | 438.04                        | 775.0                        | 258.5                          | 49                               | 390.7  |
| T              | Feb 2016 | 699                           | 12.2                        | 1084.17                                | 10360                          | 41                                   | 437.39                        | 880.0                        | 277.0                          | 55                               | 396.1  |
| O              | Mar 2016 | 1008                          | 16.4                        | 1080.45                                | 10048                          | -311                                 | 434.20                        | 973.0                        | 402.7                          | 61                               | 399.7  |
| R              | Apr 2016 | 1055                          | 17.7                        | 1076.13                                | 9693                           | -355                                 | 429.37                        | 1244.0                       | 413.9                          | 80                               | 392.2  |
| I              | May 2016 | 887                           | 14.4                        | 1073.80                                | 9504                           | -189                                 | 426.83                        | 1164.0                       | 343.6                          | 74                               | 387.5  |
| C              | Jun 2016 | 920                           | 15.5                        | 1071.64                                | 9330                           | -174                                 | 425.27                        | 1528.0                       | 349.7                          | 100                              | 380.2  |
| A              | Jul 2016 | 831                           | 13.5                        | 1072.75                                | 9419                           | 89                                   | 427.46                        | 1528.0                       | 311.5                          | 100                              | 374.8  |
| L              | Aug 2016 | 701                           | 11.4                        | 1075.17                                | 9615                           | 196                                  | 431.00                        | 1549.0                       | 265.2                          | 100                              | 378.4  |
| *              | Sep 2016 | 702                           | 11.8                        | 1075.23                                | 9620                           | 5                                    | 429.97                        | 1539.0                       | 266.3                          | 100                              | 379.1  |
| <b>WY 2016</b> |          | <b>9293</b>                   |                             |                                        |                                |                                      |                               |                              | <b>3596.9</b>                  |                                  |        |
|                | Oct 2016 | 516                           | 8.4                         | 1076.43                                | 9718                           | 98                                   | 427.28                        | 1335.0                       | 198.3                          | 87                               | 384.5  |
|                | Nov 2016 | 700                           | 11.8                        | 1075.49                                | 9641                           | -77                                  | 429.37                        | 1078.0                       | 271.8                          | 69                               | 388.2  |
|                | Dec 2016 | 491                           | 8.0                         | 1080.36                                | 10041                          | 401                                  | 427.72                        | 1375.0                       | 187.8                          | 88                               | 382.7  |
|                | Jan 2017 | 691                           | 11.2                        | 1083.02                                | 10263                          | 222                                  | 431.53                        | 1284.0                       | 265.9                          | 82                               | 385.1  |
|                | Feb 2017 | 704                           | 12.7                        | 1084.54                                | 10391                          | 127                                  | 433.47                        | 1216.0                       | 276.9                          | 77                               | 393.5  |
|                | Mar 2017 | 1018                          | 16.6                        | 1083.40                                | 10295                          | -96                                  | 432.93                        | 1242.0                       | 398.8                          | 80                               | 391.7  |
|                | Apr 2017 | 1094                          | 18.4                        | 1082.65                                | 10232                          | -63                                  | 431.54                        | 1224.0                       | 433.3                          | 81                               | 396.2  |
|                | May 2017 | 985                           | 16.0                        | 1084.91                                | 10422                          | 190                                  | 432.41                        | 1188.0                       | 383.7                          | 80                               | 389.4  |
|                | Jun 2017 | 880                           | 14.8                        | 1089.06                                | 10776                          | 354                                  | 433.77                        | 1474.0                       | 342.0                          | 100                              | 388.6  |
|                | Jul 2017 | 835                           | 13.6                        | 1094.98                                | 11291                          | 515                                  | 439.25                        | 1483.0                       | 332.2                          | 100                              | 398.0  |
|                | Aug 2017 | 755                           | 12.3                        | 1102.07                                | 11921                          | 629                                  | 445.87                        | 1504.0                       | 300.8                          | 100                              | 398.7  |
|                | Sep 2017 | 724                           | 12.2                        | 1105.00                                | 12186                          | 265                                  | 451.33                        | 1511.0                       | 291.5                          | 100                              | 402.6  |
| <b>WY 2017</b> |          | <b>9391</b>                   |                             |                                        |                                |                                      |                               |                              | <b>3683.1</b>                  |                                  |        |
|                | Oct 2017 | 426                           | 6.9                         | 1106.79                                | 12350                          | 164                                  | 457.91                        | 1227.0                       | 169.5                          | 81                               | 397.9  |
|                | Nov 2017 | 567                           | 9.5                         | 1107.14                                | 12382                          | 32                                   | 462.02                        | 1124.0                       | 231.1                          | 74                               | 407.5  |
|                | Dec 2017 | 515                           | 8.4                         | 1110.09                                | 12656                          | 274                                  | 462.33                        | 1063.0                       | 212.9                          | 69                               | 413.3  |
|                | Jan 2018 | 748                           | 12.2                        | 1112.41                                | 12874                          | 218                                  | 462.72                        | 1071.0                       | 312.3                          | 69                               | 417.6  |
|                | Feb 2018 | 715                           | 12.9                        | 1113.71                                | 12997                          | 123                                  | 464.20                        | 974.0                        | 303.3                          | 63                               | 424.1  |
|                | Mar 2018 | 1043                          | 17.0                        | 1112.97                                | 12927                          | -71                                  | 462.14                        | 1220.0                       | 436.0                          | 80                               | 418.1  |
|                | Apr 2018 | 1125                          | 18.9                        | 1112.54                                | 12885                          | -41                                  | 461.09                        | 1204.2                       | 476.6                          | 81                               | 423.8  |
|                | May 2018 | 1019                          | 16.6                        | 1113.82                                | 13007                          | 121                                  | 461.63                        | 1171.1                       | 424.3                          | 80                               | 416.3  |
|                | Jun 2018 | 912                           | 15.3                        | 1116.89                                | 13301                          | 294                                  | 461.93                        | 1451.5                       | 377.5                          | 100                              | 413.9  |
|                | Jul 2018 | 867                           | 14.1                        | 1121.77                                | 13774                          | 473                                  | 466.38                        | 1462.3                       | 365.6                          | 100                              | 421.9  |
|                | Aug 2018 | 783                           | 12.7                        | 1127.77                                | 14369                          | 596                                  | 471.95                        | 1485.6                       | 329.4                          | 100                              | 420.9  |
|                | Sep 2018 | 745                           | 12.5                        | 1130.78                                | 14674                          | 305                                  | 476.93                        | 1494.8                       | 315.4                          | 100                              | 423.6  |
| <b>WY 2018</b> |          | <b>9463</b>                   |                             |                                        |                                |                                      |                               |                              | <b>3953.9</b>                  |                                  |        |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## October 2016 24-Month Study

Maximum 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 |
|----------------|----------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|--------------------------------------|------------------------------|-----------------------------|-------------------------------|----------------------------------|--------|
| *              | Oct 2015 | 655                           | 10.7                        | 635.80                                 | 1507                           | -99                                  | 136.05                       | 211.7                       | 81.6                          | 83                               | 124.5  |
| H              | Nov 2015 | 599                           | 10.1                        | 636.11                                 | 1514                           | 8                                    | 136.53                       | 165.8                       | 72.5                          | 65                               | 121.0  |
| I              | Dec 2015 | 527                           | 8.6                         | 638.77                                 | 1585                           | 70                                   | 135.98                       | 155.6                       | 65.1                          | 61                               | 123.6  |
| S              | Jan 2016 | 553                           | 9.0                         | 641.26                                 | 1651                           | 67                                   | 141.86                       | 163.2                       | 71.9                          | 64                               | 129.9  |
| T              | Feb 2016 | 675                           | 11.7                        | 641.04                                 | 1645                           | -6                                   |                              | 178.5                       | 86.3                          | 70                               | 127.8  |
| O              | Mar 2016 | 921                           | 15.0                        | 643.17                                 | 1703                           | 58                                   | 139.07                       | 214.2                       | 117.9                         | 84                               | 128.0  |
| R              | Apr 2016 | 979                           | 16.4                        | 644.70                                 | 1746                           | 42                                   | 143.66                       | 255.0                       | 125.4                         | 100                              | 128.2  |
| I              | May 2016 | 903                           | 14.7                        | 643.07                                 | 1701                           | -45                                  | 141.63                       | 252.5                       | 115.5                         | 99                               | 127.8  |
| C              | Jun 2016 | 838                           | 14.1                        | 644.53                                 | 1741                           | 40                                   | 143.17                       | 255.0                       | 107.4                         | 100                              | 128.1  |
| A              | Jul 2016 | 803                           | 13.1                        | 643.75                                 | 1719                           | -22                                  | 144.39                       | 252.5                       | 103.3                         | 99                               | 128.6  |
| L              | Aug 2016 | 714                           | 11.6                        | 642.00                                 | 1671                           | -48                                  | 142.46                       | 255.0                       | 91.6                          | 100                              | 128.4  |
| *              | Sep 2016 | 711                           | 11.9                        | 640.34                                 | 1627                           | -45                                  | 138.91                       | 255.0                       | 90.5                          | 100                              | 127.3  |
| <b>WY 2016</b> |          | <b>8879</b>                   |                             |                                        |                                |                                      |                              |                             | <b>1129.0</b>                 |                                  |        |
|                | Oct 2016 | 640                           | 10.4                        | 635.00                                 | 1486                           | -141                                 | 132.15                       | 196.4                       | 78.1                          | 77                               | 122.0  |
|                | Nov 2016 | 550                           | 9.2                         | 640.01                                 | 1617                           | 132                                  | 132.83                       | 170.9                       | 67.3                          | 67                               | 122.3  |
|                | Dec 2016 | 469                           | 7.6                         | 640.01                                 | 1617                           | 0                                    | 135.53                       | 168.3                       | 58.8                          | 66                               | 125.2  |
|                | Jan 2017 | 618                           | 10.1                        | 641.80                                 | 1666                           | 48                                   | 135.07                       | 211.7                       | 77.3                          | 83                               | 125.1  |
|                | Feb 2017 | 680                           | 12.2                        | 641.80                                 | 1666                           | 0                                    | 136.69                       | 188.7                       | 85.1                          | 74                               | 125.1  |
|                | Mar 2017 | 955                           | 15.5                        | 643.05                                 | 1700                           | 34                                   | 137.24                       | 191.3                       | 119.0                         | 75                               | 124.6  |
|                | Apr 2017 | 1059                          | 17.8                        | 643.00                                 | 1699                           | -2                                   | 136.07                       | 255.0                       | 131.8                         | 100                              | 124.5  |
|                | May 2017 | 950                           | 15.4                        | 643.00                                 | 1699                           | 0                                    | 136.04                       | 255.0                       | 118.9                         | 100                              | 125.1  |
|                | Jun 2017 | 866                           | 14.5                        | 642.00                                 | 1671                           | -27                                  | 135.51                       | 255.0                       | 108.2                         | 100                              | 125.0  |
|                | Jul 2017 | 810                           | 13.2                        | 641.50                                 | 1658                           | -14                                  | 134.73                       | 255.0                       | 101.0                         | 100                              | 124.7  |
|                | Aug 2017 | 721                           | 11.7                        | 641.50                                 | 1658                           | 0                                    | 134.46                       | 255.0                       | 90.1                          | 100                              | 125.0  |
|                | Sep 2017 | 737                           | 12.4                        | 640.01                                 | 1617                           | -40                                  | 133.68                       | 255.0                       | 91.5                          | 100                              | 124.1  |
| <b>WY 2017</b> |          | <b>9056</b>                   |                             |                                        |                                |                                      |                              |                             | <b>1127.1</b>                 |                                  |        |
|                | Oct 2017 | 593                           | 9.6                         | 633.00                                 | 1434                           | -183                                 | 130.77                       | 201.5                       | 71.9                          | 79                               | 121.3  |
|                | Nov 2017 | 498                           | 8.4                         | 635.00                                 | 1486                           | 51                                   | 129.16                       | 170.9                       | 59.5                          | 67                               | 119.5  |
|                | Dec 2017 | 397                           | 6.5                         | 638.71                                 | 1583                           | 97                                   | 132.23                       | 168.3                       | 48.7                          | 66                               | 122.9  |
|                | Jan 2018 | 641                           | 10.4                        | 641.80                                 | 1666                           | 83                                   | 134.39                       | 211.7                       | 79.7                          | 83                               | 124.4  |
|                | Feb 2018 | 691                           | 12.5                        | 641.80                                 | 1666                           | 0                                    | 136.69                       | 188.7                       | 86.5                          | 74                               | 125.0  |
|                | Mar 2018 | 980                           | 15.9                        | 643.05                                 | 1700                           | 34                                   | 137.24                       | 191.3                       | 122.0                         | 75                               | 124.5  |
|                | Apr 2018 | 1090                          | 18.3                        | 643.00                                 | 1699                           | -2                                   | 136.07                       | 255.0                       | 135.5                         | 100                              | 124.3  |
|                | May 2018 | 984                           | 16.0                        | 643.00                                 | 1699                           | 0                                    | 136.04                       | 255.0                       | 122.9                         | 100                              | 125.0  |
|                | Jun 2018 | 898                           | 15.1                        | 642.00                                 | 1671                           | -27                                  | 135.51                       | 255.0                       | 112.0                         | 100                              | 124.8  |
|                | Jul 2018 | 841                           | 13.7                        | 641.50                                 | 1658                           | -14                                  | 134.73                       | 255.0                       | 104.8                         | 100                              | 124.6  |
|                | Aug 2018 | 749                           | 12.2                        | 641.50                                 | 1658                           | 0                                    | 134.46                       | 255.0                       | 93.5                          | 100                              | 124.8  |
|                | Sep 2018 | 758                           | 12.7                        | 640.01                                 | 1617                           | -40                                  | 133.68                       | 255.0                       | 94.0                          | 100                              | 124.0  |
| <b>WY 2018</b> |          | <b>9120</b>                   |                             |                                        |                                |                                      |                              |                             | <b>1131.1</b>                 |                                  |        |



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

## October 2016 24-Month Study

Maximum 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 |
|----------------|----------|-------------------------------|-----------------------------|----------------------------------------|--------------------------------|--------------------------------------|-------------------------------|------------------------------|--------------------------------|----------------------------------|--------|
| *              | Oct 2015 | 458                           | 7.5                         | 447.88                                 | 578                            | -3                                   | 81.97                         | 91.2                         | 32.3                           | 76                               | 70.6   |
| H              | Nov 2015 | 385                           | 6.5                         | 447.57                                 | 572                            | -6                                   | 83.21                         | 96.0                         | 27.1                           | 80                               | 70.3   |
| I              | Dec 2015 | 321                           | 5.2                         | 446.92                                 | 560                            | -12                                  | 82.51                         | 120.0                        | 21.9                           | 100                              | 68.4   |
| S              | Jan 2016 | 324                           | 5.3                         | 446.60                                 | 554                            | -6                                   | 80.76                         | 94.8                         | 22.3                           | 79                               | 68.8   |
| T              | Feb 2016 | 528                           | 9.4                         | 446.50                                 | 552                            | -2                                   | 78.54                         | 87.6                         | 38.1                           | 73                               | 72.2   |
| O              | Mar 2016 | 695                           | 11.3                        | 447.40                                 | 569                            | 17                                   | 81.63                         | 104.4                        | 48.9                           | 87                               | 70.3   |
| R              | Apr 2016 | 689                           | 11.6                        | 448.89                                 | 597                            | 28                                   | 83.09                         | 120.0                        | 48.4                           | 100                              | 70.3   |
| I              | May 2016 | 636                           | 10.3                        | 448.08                                 | 581                            | -15                                  | 82.13                         | 120.0                        | 45.1                           | 100                              | 70.9   |
| C              | Jun 2016 | 633                           | 10.6                        | 448.81                                 | 596                            | 14                                   | 83.02                         | 120.0                        | 44.8                           | 100                              | 70.8   |
| A              | Jul 2016 | 617                           | 10.0                        | 449.03                                 | 600                            | 4                                    | 83.16                         | 120.0                        | 43.7                           | 100                              | 70.9   |
| L              | Aug 2016 | 570                           | 9.3                         | 448.50                                 | 590                            | -10                                  | 82.60                         | 120.0                        | 40.2                           | 100                              | 70.7   |
| *              | Sep 2016 | 490                           | 8.2                         | 447.97                                 | 579                            | -10                                  | 82.24                         | 120.0                        | 34.7                           | 100                              | 70.9   |
| <b>WY 2016</b> |          | <b>6345</b>                   |                             |                                        |                                |                                      |                               |                              | <b>447.6</b>                   |                                  |        |
|                | Oct 2016 | 455                           | 7.4                         | 446.80                                 | 557                            | -22                                  | 76.05                         | 92.4                         | 29.9                           | 77                               | 65.7   |
|                | Nov 2016 | 361                           | 6.1                         | 446.30                                 | 548                            | -9                                   | 75.37                         | 90.0                         | 23.3                           | 75                               | 64.5   |
|                | Dec 2016 | 274                           | 4.5                         | 446.50                                 | 552                            | 4                                    | 73.92                         | 117.6                        | 17.0                           | 98                               | 62.2   |
|                | Jan 2017 | 388                           | 6.3                         | 446.50                                 | 552                            | 0                                    | 75.13                         | 93.6                         | 25.0                           | 78                               | 64.5   |
|                | Feb 2017 | 484                           | 8.7                         | 446.50                                 | 552                            | 0                                    | 74.71                         | 102.0                        | 31.5                           | 85                               | 65.1   |
|                | Mar 2017 | 723                           | 11.8                        | 446.70                                 | 555                            | 4                                    | 74.01                         | 120.0                        | 47.0                           | 100                              | 65.0   |
|                | Apr 2017 | 760                           | 12.8                        | 448.70                                 | 593                            | 38                                   | 75.08                         | 120.0                        | 50.1                           | 100                              | 65.9   |
|                | May 2017 | 673                           | 10.9                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 44.7                           | 100                              | 66.4   |
|                | Jun 2017 | 686                           | 11.5                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 45.6                           | 100                              | 66.5   |
|                | Jul 2017 | 653                           | 10.6                        | 448.00                                 | 580                            | -13                                  | 75.71                         | 120.0                        | 43.2                           | 100                              | 66.1   |
|                | Aug 2017 | 556                           | 9.0                         | 447.50                                 | 571                            | -9                                   | 75.13                         | 120.0                        | 36.3                           | 100                              | 65.3   |
|                | Sep 2017 | 506                           | 8.5                         | 447.50                                 | 570                            | 0                                    | 74.89                         | 120.0                        | 32.8                           | 100                              | 65.0   |
| <b>WY 2017</b> |          | <b>6519</b>                   |                             |                                        |                                |                                      |                               |                              | <b>426.4</b>                   |                                  |        |
|                | Oct 2017 | 466                           | 7.6                         | 447.50                                 | 571                            | 0                                    | 75.74                         | 100.8                        | 30.5                           | 84                               | 65.4   |
|                | Nov 2017 | 370                           | 6.2                         | 447.50                                 | 571                            | 0                                    | 75.92                         | 97.2                         | 24.0                           | 81                               | 64.9   |
|                | Dec 2017 | 288                           | 4.7                         | 446.50                                 | 552                            | -19                                  | 74.40                         | 120.0                        | 18.1                           | 100                              | 62.6   |
|                | Jan 2018 | 382                           | 6.2                         | 446.50                                 | 552                            | 0                                    | 74.89                         | 98.4                         | 24.6                           | 82                               | 64.2   |
|                | Feb 2018 | 480                           | 8.7                         | 446.50                                 | 552                            | 0                                    | 75.07                         | 94.8                         | 31.4                           | 79                               | 65.4   |
|                | Mar 2018 | 724                           | 11.8                        | 446.70                                 | 555                            | 4                                    | 74.01                         | 120.0                        | 47.1                           | 100                              | 65.0   |
|                | Apr 2018 | 763                           | 12.8                        | 448.70                                 | 593                            | 38                                   | 75.08                         | 120.0                        | 50.3                           | 100                              | 65.9   |
|                | May 2018 | 679                           | 11.0                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 45.1                           | 100                              | 66.4   |
|                | Jun 2018 | 691                           | 11.6                        | 448.70                                 | 593                            | 0                                    | 76.05                         | 120.0                        | 46.0                           | 100                              | 66.5   |
|                | Jul 2018 | 657                           | 10.7                        | 448.00                                 | 580                            | -13                                  | 75.71                         | 120.0                        | 43.4                           | 100                              | 66.1   |
|                | Aug 2018 | 556                           | 9.0                         | 447.50                                 | 571                            | -9                                   | 75.13                         | 120.0                        | 36.3                           | 100                              | 65.3   |
|                | Sep 2018 | 499                           | 8.4                         | 447.50                                 | 570                            | 0                                    | 74.89                         | 120.0                        | 32.4                           | 100                              | 64.9   |
| <b>WY 2018</b> |          | <b>6556</b>                   |                             |                                        |                                |                                      |                               |                              | <b>429.0</b>                   |                                  |        |



# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum Probable Inflow\*

Upper Basin Power



|                    | Glen<br>Canyon | Flaming<br>Gorge | Blue<br>Mesa | Morrow<br>Point | Crystal<br>Reservoir | Fontenelle<br>Reservoir |
|--------------------|----------------|------------------|--------------|-----------------|----------------------|-------------------------|
| Date               | 1000 MWHR      | 1000 MWHR        | 1000 MWHR    | 1000 MWHR       | 1000 MWHR            | 1000 MWHR               |
| * Oct 2015         | 264            | 52               | 26           | 32              | 0                    | 4                       |
| H Nov 2015         | 256            | 52               | 13           | 15              | 0                    | 4                       |
| I Dec 2015         | 378            | 53               | 18           | 16              | 7                    | 4                       |
| S Jan 2016         | 373            | 52               | 17           | 22              | 13                   | 3                       |
| T Feb 2016         | 302            | 45               | 16           | 21              | 12                   | 4                       |
| O Mar 2016         | 298            | 20               | 10           | 11              | 7                    | 4                       |
| <b>Winter 2016</b> | <b>1871</b>    | <b>274</b>       | <b>100</b>   | <b>118</b>      | <b>38</b>            | <b>23</b>               |
| R Apr 2016         | 288            | 19               | 18           | 25              | 16                   | 4                       |
| I May 2016         | 305            | 20               | 38           | 61              | 21                   | 7                       |
| C Jun 2016         | 360            | 105              | 14           | 18              | 15                   | 9                       |
| A Jul 2016         | 435            | 46               | 34           | 40              | 22                   | 6                       |
| L Aug 2016         | 408            | 44               | 33           | 39              | 22                   | 6                       |
| * Sep 2016         | 315            | 42               | 30           | 36              | 20                   | 3                       |
| <b>Summer 2016</b> | <b>2111</b>    | <b>276</b>       | <b>166</b>   | <b>218</b>      | <b>116</b>           | <b>34</b>               |
| Oct 2016           | 241            | 25               | 22           | 26              | 13                   | 6                       |
| Nov 2016           | 241            | 35               | 11           | 13              | 7                    | 5                       |
| Dec 2016           | 359            | 49               | 19           | 24              | 12                   | 5                       |
| Jan 2017           | 356            | 49               | 15           | 20              | 10                   | 4                       |
| Feb 2017           | 314            | 44               | 12           | 16              | 8                    | 4                       |
| Mar 2017           | 352            | 49               | 10           | 14              | 7                    | 4                       |
| <b>Winter 2017</b> | <b>1864</b>    | <b>251</b>       | <b>90</b>    | <b>112</b>      | <b>58</b>            | <b>27</b>               |
| Apr 2017           | 392            | 47               | 15           | 22              | 12                   | 6                       |
| May 2017           | 483            | 87               | 62           | 101             | 23                   | 7                       |
| Jun 2017           | 548            | 103              | 61           | 107             | 22                   | 9                       |
| Jul 2017           | 606            | 59               | 48           | 58              | 23                   | 9                       |
| Aug 2017           | 607            | 60               | 31           | 37              | 19                   | 9                       |
| Sep 2017           | 414            | 58               | 27           | 33              | 17                   | 6                       |
| <b>Summer 2017</b> | <b>3050</b>    | <b>414</b>       | <b>244</b>   | <b>359</b>      | <b>117</b>           | <b>45</b>               |
| Oct 2017           | 258            | 59               | 20           | 24              | 12                   | 6                       |
| Nov 2017           | 259            | 57               | 11           | 14              | 8                    | 5                       |
| Dec 2017           | 344            | 59               | 20           | 26              | 13                   | 5                       |
| Jan 2018           | 407            | 59               | 18           | 23              | 12                   | 5                       |
| Feb 2018           | 341            | 53               | 14           | 18              | 9                    | 4                       |
| Mar 2018           | 403            | 58               | 8            | 12              | 7                    | 4                       |
| <b>Winter 2018</b> | <b>2012</b>    | <b>345</b>       | <b>91</b>    | <b>117</b>      | <b>62</b>            | <b>30</b>               |
| Apr 2018           | 466            | 57               | 14           | 22              | 13                   | 5                       |
| May 2018           | 515            | 98               | 60           | 106             | 23                   | 6                       |
| Jun 2018           | 572            | 77               | 59           | 82              | 22                   | 8                       |
| Jul 2018           | 623            | 47               | 33           | 42              | 23                   | 10                      |
| Aug 2018           | 620            | 36               | 34           | 42              | 22                   | 10                      |
| Sep 2018           | 447            | 35               | 29           | 36              | 19                   | 8                       |
| <b>Summer 2018</b> | <b>2795</b>    | <b>316</b>       | <b>201</b>   | <b>293</b>      | <b>104</b>           | <b>39</b>               |

# OPERATION PLAN FOR COLORADO RIVER SYSTEM RESERVOIRS

October 2016 24-Month Study

Maximum 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 Cont MAF |
|-------------------------|-------------------|---------------|------------|-----------------|-----------------------|---------------|-----------|--------------------------|---------------|------------|----------------------|-----------------|---------------|---------------------|------------------------|--------------------|-----------------|--------------|
| ****PREDICTED SPACE**** |                   |               |            |                 |                       |               |           | ****CREDITABLE SPACE**** |               |            |                      |                 |               |                     |                        |                    |                 |              |
| Oct 2016                | 657               | 164           | 386        | 11498           | 12705                 | 17757         | 30462     | 657                      | 164           | 386        | 1207                 | 11498           | 17757         | 30462               | 3040                   | 516                | 0               | 30.0         |
| Nov 2016                | 683               | 205           | 390        | 11612           | 12890                 | 17659         | 30549     | 683                      | 205           | 390        | 1278                 | 11612           | 17659         | 30549               | 3810                   | 700                | 0               | 29.8         |
| Dec 2016                | 732               | 212           | 390        | 11765           | 13100                 | 17736         | 30836     | 732                      | 212           | 390        | 1335                 | 11765           | 17736         | 30836               | 4580                   | 491                | 0               | 29.7         |
| Jan 2017                | 833               | 252           | 396        | 12185           | 13666                 | 17336         | 31002     | 833                      | 252           | 396        | 1481                 | 12185           | 17336         | 31002               | 5350                   | 691                | 0               | 29.5         |
|                         |                   |               |            |                 |                       |               |           | ****EFFECTIVE SPACE****  |               |            |                      |                 |               |                     |                        |                    |                 |              |
| Jan 2017                | 833               | 252           | 396        | 12185           | 13666                 | 17336         | 31002     | 716                      | 180           | 287        | 1182                 | 12185           | 17336         | 30703               | 5350                   | 691                | 0               | 29.5         |
| Feb 2017                | 912               | 279           | 398        | 12511           | 14099                 | 17114         | 31213     | 795                      | 207           | 288        | 1289                 | 12511           | 17114         | 30914               | 1500                   | 704                | 0               | 29.3         |
| Mar 2017                | 973               | 295           | 385        | 12762           | 14415                 | 16986         | 31402     | 855                      | 224           | 274        | 1354                 | 12762           | 16986         | 31102               | 1500                   | 1018               | 0               | 29.2         |
| Apr 2017                | 966               | 289           | 311        | 12900           | 14467                 | 17082         | 31549     | 845                      | 218           | 193        | 1256                 | 12900           | 17082         | 31239               | 1500                   | 1094               | 0               | 29.8         |
| May 2017                | 887               | 241           | 153        | 12586           | 13866                 | 17145         | 31012     | 758                      | 164           | 12         | 934                  | 12586           | 17145         | 30666               | 1500                   | 985                | 0               | 32.4         |
| Jun 2017                | 713               | 177           | 126        | 10466           | 11482                 | 16955         | 28437     | 570                      | 75            | -53        | 592                  | 10466           | 16955         | 28013               | 1500                   | 880                | 0               | 35.7         |
| Jul 2017                | 420               | 201           | 214        | 7677            | 8512                  | 16601         | 25113     | 259                      | 56            | -20        | 295                  | 7677            | 16601         | 24574               | 1500                   | 835                | 0               | 37.0         |
|                         |                   |               |            |                 |                       |               |           | ****CREDITABLE SPACE**** |               |            |                      |                 |               |                     |                        |                    |                 |              |
| Aug 2017                | 191               | 159           | 293        | 7093            | 7737                  | 16086         | 23823     | 191                      | 159           | 293        | 644                  | 7093            | 16086         | 23823               | 1500                   | 755                | 0               | 37.1         |
| Sep 2017                | 199               | 162           | 290        | 7613            | 8264                  | 15456         | 23720     | 199                      | 162           | 290        | 651                  | 7613            | 15456         | 23720               | 2270                   | 724                | 0               | 36.9         |
| Oct 2017                | 267               | 192           | 309        | 7869            | 8637                  | 15191         | 23828     | 267                      | 192           | 309        | 768                  | 7869            | 15191         | 23828               | 3040                   | 426                | 0               | 37.0         |
| Nov 2017                | 341               | 209           | 283        | 7718            | 8551                  | 15027         | 23578     | 341                      | 209           | 283        | 833                  | 7718            | 15027         | 23578               | 3810                   | 567                | 0               | 37.0         |
| Dec 2017                | 429               | 211           | 267        | 7704            | 8611                  | 14995         | 23607     | 429                      | 211           | 267        | 908                  | 7704            | 14995         | 23607               | 4580                   | 515                | 0               | 36.9         |
| Jan 2018                | 549               | 252           | 261        | 7952            | 9015                  | 14721         | 23736     | 549                      | 252           | 261        | 1062                 | 7952            | 14721         | 23736               | 5350                   | 748                | 0               | 36.7         |
|                         |                   |               |            |                 |                       |               |           | ****EFFECTIVE SPACE****  |               |            |                      |                 |               |                     |                        |                    |                 |              |
| Jan 2018                | 549               | 252           | 261        | 7952            | 9015                  | 14721         | 23736     | 282                      | 191           | 202        | 676                  | 7952            | 14721         | 23349               | 5350                   | 748                | 0               | 36.7         |
| Feb 2018                | 663               | 288           | 260        | 8325            | 9535                  | 14503         | 24038     | 397                      | 228           | 200        | 825                  | 8325            | 14503         | 23653               | 1500                   | 715                | 0               | 36.5         |
| Mar 2018                | 757               | 310           | 245        | 8568            | 9880                  | 14380         | 24260     | 492                      | 252           | 185        | 928                  | 8568            | 14380         | 23876               | 1500                   | 1043               | 0               | 36.3         |
| Apr 2018                | 804               | 298           | 171        | 8794            | 10068                 | 14450         | 24518     | 537                      | 241           | 104        | 881                  | 8794            | 14450         | 24126               | 1500                   | 1125               | 0               | 36.4         |
| May 2018                | 801               | 259           | 39         | 8819            | 9917                  | 14492         | 24409     | 527                      | 197           | -52        | 672                  | 8819            | 14492         | 23982               | 1500                   | 1019               | 0               | 38.2         |
| Jun 2018                | 755               | 260           | 36         | 7187            | 8238                  | 14370         | 22609     | 474                      | 184           | -94        | 564                  | 7187            | 14370         | 22121               | 1500                   | 912                | 0               | 40.5         |
| Jul 2018                | 463               | 152           | 146        | 5478            | 6240                  | 14076         | 20316     | 162                      | 44            | -40        | 166                  | 5478            | 14076         | 19720               | 1500                   | 867                | 0               | 41.0         |
|                         |                   |               |            |                 |                       |               |           | ****CREDITABLE SPACE**** |               |            |                      |                 |               |                     |                        |                    |                 |              |
| Aug 2018                | 321               | 113           | 247        | 5486            | 6167                  | 13603         | 19771     | 321                      | 113           | 247        | 681                  | 5486            | 13603         | 19771               | 1500                   | 783                | 0               | 40.9         |
| Sep 2018                | 315               | 139           | 264        | 6174            | 6892                  | 13008         | 19900     | 315                      | 139           | 264        | 718                  | 6174            | 13008         | 19900               | 2270                   | 745                | 0               | 40.6         |

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

Model Run ID: 3019

Processed On: 10/19/2016 9:50:24AM