Lower Basin Projected Water Use: 2025 - 2027

July 2025: Probable Min 24-Month Study

### 2025

Total projected water use **(7.575 maf)** – Based on Lake Mead Operating Condition of Level 1 Shortage and water savings contributions under the LB DCP Agreement and IBWC Minute 323.

#### U.S. Contractors: 6.334 maf

##### California: 4.148 maf

* MWD annual diversion of 971 kaf
  + Projected diversion includes the delivery of 176.1 kaf of ICS
* Total California System Conservation of 428.2 kaf
  + CVWD system conservation of 38.9 kaf
  + IID system conservation of 250 kaf
  + Bard system conservation of 9.3 kaf
  + Quechan system conservation of 13 kaf
  + PVID system conservation of 117 kaf
* Needles PSCP volume of 145 af

##### Arizona: 1.972 maf

* CAP annual diversion of 841 kaf
  + Projected diversion includes a Shortage volume of 320 kaf, DCP contribution of 192 kaf by CAWCD, and ICS delivery of 37 kaf
* DCP contribution will be made by creating 50 kaf of ICS and 142 kaf of non-ICS water
* Total non-CAWCD System Conservation of 196.8 kaf
  + FMYN : 13.9 kaf
  + GRIC : 115 kaf
  + SCAT : 23.5 kaf
  + Gabrych : 3.2 kaf
  + MVIDD : 13.7 kaf
  + Cathcart : 61 af
  + YMIDD : 22 kaf
  + CVIDD : 2.3 kaf
  + Hopi : 3.1 kaf
* Total CAWCD System Conservation of 128.4 kaf
  + ASARCO : 21 kaf
  + Gilbert : 0.8 kaf
  + Glendale : 7 kaf
  + Metro Water District : 5 kaf
  + Peoria : 7.2 kaf
  + Phoenix : 50 kaf
  + Scottsdale : 5 kaf
  + Tucson : 30 kaf
  + Spanish Trail Water Co. : 2.4 kaf
* Bullhead City PSCP volume of 3,201 af
* System water created by the 242 Well Field Expansion Project of 25.0 kaf

##### Nevada: 0.215 maf

* SNWA annual use of 207 kaf. Projected diversion includes:
  + Shortage volume of 13 kaf
* DCP contribution of 8 kaf through EC ICS conversion
* Total System Conservation of 107 kaf
  + Tributary conservation of 35 kaf
  + Other system conservation of 72 kaf

#### Mexico’s Scheduled Water Delivery: 1.240 maf

* Projected delivery includes:
  + Shortage volume of 50 kaf
  + Recoverable Water Savings Contribution of 30 kaf
  + Minute 330 System Conservation of 120.6 kaf
* Water Reserve delivery of 21.6 kaf
* Water Reserve creation of 80.6 kaf

### 2026

Total projected water use **(7.817 maf)** – Based on Lake Mead Operating Condition of Level 1 Shortage and water savings contributions under the LB DCP Agreement and IBWC Minute 323.

#### U.S. Contractors: 6.464 maf

##### California: 4.308 maf

* MWD annual diversion of 1,140 kaf
  + Projected diversion includes the delivery of 250.2 kaf of ICS
* Total California System Conservation of 341.6 kaf
  + CVWD system conservation of 45 kaf
  + IID system conservation of 192.4 kaf
  + Bard system conservation of 11.4 kaf
  + Quechan system conservation of 13 kaf
  + PVID system conservation of 79.8 kaf
* Needles PSCP volume of 145 af
* Binational ICS creation of 18.2 kaf by MWD and IID

##### Arizona: 1.944 maf

* CAP annual diversion of 767 kaf
  + Projected diversion includes a Shortage volume of 320 kaf, and DCP contribution of 192 kaf by CAWCD
* DCP contribution will be made by creating 50 kaf of ICS and 142 kaf of non-ICS water
* Total non-CAWCD System Conservation of 207.6 kaf
  + FMYN : 13.9 kaf
  + GRIC : 125 kaf
  + SCAT : 23.5 kaf
  + Gabrych : 3.2 kaf
  + MVIDD : 14.5 kaf
  + Cathcart : 61 af
  + YMIDD : 22 kaf
  + CVIDD : 2.3 kaf
  + Hopi : 3.1 kaf
* Total CAWCD System Conservation of 101.0 kaf
  + ASARCO : 21 kaf
  + Gilbert : 1.6 kaf
  + Glendale : 7 kaf
  + Metro Water District : 5 kaf
  + Peoria : 7.2 kaf
  + Scottsdale : 4 kaf
  + Tucson : 52.8 kaf
  + Spanish Trail Water Co. : 2.4 kaf
* Bullhead City PSCP volume of 3,052 af
* System water created by the 242 Well Field Expansion Project of 32.0 kaf
* Binational ICS creation of 18.2 kaf by CAWCD

##### Nevada: 0.211 maf

* SNWA annual use of 202 kaf. Projected diversion includes:
  + Shortage volume of 13 kaf
* DCP contribution of 8 kaf through EC ICS conversion
* Total System Conservation of 111 kaf
  + Tributary conservation of 35 kaf
  + Other system conservation of 76 kaf
* Binational ICS creation of 18.2 kaf by SNWA

#### Mexico’s Scheduled Water Delivery: 1.353 maf

* Projected delivery includes:
  + Shortage volume of 50 kaf
  + Recoverable Water Savings Contribution of 30 kaf
  + Minute 330 System Conservation of 67 kaf

### 2027

Total projected water use **(8.372 maf)** – Based on Lake Mead Operating Condition of Level 2 Shortage and water savings contributions under the LB DCP Agreement and IBWC Minute 323. For modeling purposes, simulated years beyond 2026 assume a continuation of the 2007 Interim Guidelines, the 2019 Colorado River Basin Drought Contingency Plans, and Minute 323, including the Binational Water Scarcity Contingency Plan. Except for certain provisions related to ICS recovery and Upper Basin demand management, operations under these agreements are in effect through 2026. Reclamation initiated the process to develop operations for post-2026 in June 2023, and the modeling assumptions described here are subject to change.

#### U.S. Contractors: 7.018 maf

##### California: 4.600 maf

* MWD annual diversion of 1,124 kaf
  + Projected diversion includes the delivery of 200 kaf of ICS and 14 kaf of water stored for CVWD’s share of California’s DCP contribution
* DCP contribution of 200 kaf through EC ICS conversion
* Needles PSCP volume of 145 af

##### Arizona: 2.213 maf

* CAP annual diversion of 933 kaf
  + Projected diversion includes a Shortage volume of 400 kaf, DCP contribution of 240 kaf by CAWCD, and ICS delivery of 79.5 kaf (54.5 kaf post-2026 delivery plus 25.0 kaf GRIC firming)
* DCP contribution will be made by creating 50 kaf of ICS and 190 kaf of non-ICS water
* Total non-CAWCD System Conservation of 19.4 kaf
  + GRIC : 19.4 kaf
* Total CAWCD System Conservation of 7.2 kaf
  + Gilbert : 0.8 kaf
  + Scottsdale : 2.8 kaf
  + Tucson : 3.7 kaf

##### Nevada: 0.205 maf

* SNWA annual use of 196 kaf. Projected diversion includes:
  + Shortage volume of 17 kaf
  + EC ICS creation of 78 kaf
* DCP contribution of 10 kaf through EC ICS conversion
* Total System Conservation of 35 kaf
  + Tributary conservation of 35 kaf

#### Mexico’s Scheduled Water Delivery: 1.354 maf

* Projected delivery includes:
  + Shortage volume of 70 kaf
  + Recoverable Water Savings Contribution of 76 kaf

### ICS Totals

* Projected ICS Total Storage at the end of CY 2027: **2.271 maf**
* Projected ICS Storage Balances at the end of each calendar year in the study are as follows:

| **State (volumes in AF)** | **2025** | **2026** | **2027** |
| --- | --- | --- | --- |
| AZ | 616,357 | 683,240 | 648,732 |
| CA | 1,396,305 | 1,182,481 | 982,481 |
| NV | 550,963 | 569,145 | 639,345 |
| **Total** | **2,563,625** | **2,434,866** | **2,270,558** |

### Modeled Lower Basin Conservation Actions

| **State** | **Conservation Activity** | **2025** | **2026** | **2027** | **Total** |
| --- | --- | --- | --- | --- | --- |
| **AZ** | CAP System Conservation Agreements | 128,400 | 101,000 | 7,224 | 236,624 |
| Cathcart Farms System Conservation | 61 | 61 | 0 | 122 |
| Cibola Valley IDD System Conservation | 2,328 | 2,329 | 0 | 4,657 |
| Fort McDowell Yavapai Nation System Conservation | 13,933 | 13,933 | 0 | 27,866 |
| GM Gabrych System Conservation | 3,240 | 3,240 | 0 | 6,480 |
| GRIC System Conservation | 115,000 | 125,000 | 19,432 | 259,432 |
| Hopi Tribe System Conservation | 3,059 | 3,059 | 0 | 6,118 |
| MVIDD System Conservation | 13,694 | 14,475 | 0 | 28,169 |
| San Carlos Apache Tribe System Conservation | 23,451 | 23,451 | 0 | 46,902 |
| YMIDD System Conservation | 22,010 | 22,010 | 0 | 44,020 |
| **CA** | Coachella Groundwater System Conservation | 35,000 | 35,000 | 0 | 70,000 |
| Coachella Ag System Conservation | 3,889 | 10,000 | 0 | 13,889 |
| IID System Conservation | 250,000 | 192,360 | 0 | 442,360 |
| MWD ICS Creation | 0 | 0 | 0 | 0 |
| Other Conserved Water | 0 | 0 | 0 | 0 |
| PVID-MWD System Conservation | 117,021 | 79,830 | 0 | 196,851 |
| Bard-MWD System Conservation | 9,286 | 11,400 | 0 | 20,686 |
| Quechan Indian Tribe-MWD System Conservation | 13,000 | 13,000 | 0 | 26,000 |
| **NV** | SNWA Other Conserved Water | 82,000 | 86,000 | 0 | 168,000 |
| SNWA Tributary ICS/System Water | 35,000 | 35,000 | 35,000 | 105,000 |
| **Other** | 242 Wellfield Additional Pumping Agreement | 25,000 | 32,000 | 0 | 57,000 |
| PSCP | 3,346 | 3,197 | 145 | 6,688 |
|  | **Annual Total** | **898,718** | **806,345** | **61,801** | **1,766,864** |
| **Cumulative Total** | **898,718** | **1,705,063** | **1,766,864** |  |

| **State** | **2025** | **2026** | **2027** | **Total** |
| --- | --- | --- | --- | --- |
| **AZ** | 325,176 | 308,558 | 26,656 | 660,390 |
| **CA** | 428,196 | 341,590 | 0 | 769,786 |
| **NV** | 117,000 | 121,000 | 35,000 | 273,000 |
| **Annual Total** | **870,372** | **771,148** | **61,656** | **1,703,176** |
| **Cumulative Total** | **870,372** | **1,641,520** | **1,703,176** |  |

## Notes and Disclaimers

* Modeled Conservation volumes reflect executed agreements and/or current operational projections/assumptions and are subject to change. Additional conservation activities are being considered. After new agreements are finalized and executed, these additional activities will be included in Reclamation’s operational modeling.
* Projected SEIS ROD Reservoir Protection Volume is 3.631 from 2023 through 2026.