**2022**

Total projected water use (8.346 maf) – Based on Lake Mead Operating Condition of Level 1 Shortage and water savings contributions under the LB DCP Agreement and IBWC Minute 323

1. U.S. contractors: **6.892 maf**

California: **4.556 maf**

* + - * MWD annual diversion of 1.120 maf
        + Projected diversion includes the delivery of 1.2 kaf to Tijuana and delivery of 207 kaf of ICS
      * PVID system conservation of 50.8 kaf
      * Needles PSCP volume of 145 af

Arizona: **2.075 maf**

* + - * CAP annual diversion of 0.971 maf
        + Projected diversion includes a Shortage volume of 320 kaf, DCP contribution of 192 kaf by CAWCD, ICS delivery of 49.5 kaf, system water creation of 35 kaf by CAWCD, 79 kaf of ICS creation by GRIC, creation of 51 kaf of system water by GRIC, and creation of 14 kaf of system water by Ft. McDowell
      * DCP contribution will be made by creating 100 kaf of ICS and 92 kaf of non-ICS water
      * CRIT ICS creation of 4.7 kaf
      * CRIT System Conservation of 50 kaf
      * MVIDD System Conservation of 10 kaf
      * Bullhead City PSCP volume of 500 af
      * System water created by the 242 Well Field Expansion Project of 19 kaf

Nevada: **0.260 maf**

* + - * SNWA annual use of 252 kaf
        + Projected diversion includes Shortage volume of 13 kaf and creation of 27 kaf of ICS
      * Estimated tributary ICS creation of 30 kaf
      * DCP contribution of 8 kaf through EC ICS conversion

1. Mexico’s scheduled water delivery: **1.455 maf**

* Projected diversion includes a Shortage volume of 50 kaf and a Recoverable Water Savings Contribution of 30 kaf
* Water Reserve creation of 263 af
* Water Reserve delivery of 35 kaf

**2023**

Total projected water use (8.439 maf) – Based on projected Lake Mead Operating Condition of Level 2 Shortage and water savings contributions under the LB DCP Agreement and IBWC Minute 323

* 1. U.S. contractors: **7.043 maf**

California: **4.520 maf**

* + - * MWD annual diversion of 1,090 kaf
        + Projected diversion includes the delivery of 1.2 kaf to Tijuana and delivery of 178 kaf of ICS
      * Needles PSCP volume of 145 af
      * PVID system conservation of 58 kaf
      * Binational ICS creation of 9 kaf to MWD and IID

Arizona: **2.258 maf**

* + - * CAP annual diversion of 1.030 maf
        + Projected diversion includes a Shortage volume of 400 kaf, DCP contribution of 192 kaf by CAWCD, and ICS delivery of 85 kaf
      * DCP contribution will be made by creating 60 kaf of ICS and 132 kaf of non-ICS water
      * Bullhead City PSCP volume of 400 af
      * System water created by the 242 Well Field Expansion Project of 25 kaf
      * MVIDD creation of 10 kaf of system water
      * Binational ICS creation of 9 kaf to CAWCD

Nevada: **0.265 maf**

* + - * SNWA annual use of 255 kaf
        + Projected diversion includes Shortage volume of 17 kaf and creation of 18 kaf of ICS
      * Estimated tributary ICS creation of 30 kaf
      * DCP contribution of 8 kaf through EC ICS conversion
      * Binational ICS creation of 9 kaf to SNWA
  1. Mexico’s scheduled water delivery: **1.396 maf**
* Projected diversion includes a Shortage volume of 70 kaf and a Recoverable Water Savings Contribution of 34 kaf
* Conversion of 36 kaf Water Reserve to Binational ICS

**2024**

Total projected water use (8.178 maf) – Based on projected Lake Mead Operating Condition of Level 2 Shortage and water savings contributions under the LB DCP Agreement and IBWC Minute 323

* 1. U.S. contractors: **6.849 maf**

California: **4.385 maf**

* + - * MWD annual diversion of 950 kaf
        + Projected diversion includes the delivery of 1.2 kaf to Tijuana, 24.5 kaf of water stored for CVWD’s share of California’s DCP contribution, and delivery of 25 kaf of ICS
      * DCP contribution of 350 kaf through EC ICS conversion
      * Needles PSCP volume of 145 af
      * PVID system conservation of 39.8 kaf

Arizona: **2.195 maf**

* + - * CAP annual diversion of 0.966 maf
        + Projected diversion includes a Shortage volume of 400 kaf, DCP contribution of 240 kaf by CAWCD, and ICS delivery of 60 kaf
      * DCP contribution will be made by creating 60 kaf of ICS and 180 kaf of non-ICS water
      * Bullhead City PSCP volume of 400 af
      * System water created by the 242 Well Field Expansion Project of 25 kaf

Nevada: **0.270 maf**

* + - * SNWA annual use of 260 kaf
        + Projected diversion includes Shortage volume of 17 kaf and creation of 13 kaf of ICS
      * Estimated tributary ICS creation of 30 kaf
      * DCP contribution of 10 kaf through EC ICS conversion
  1. Mexico’s scheduled water delivery: **1.329 maf**
* Projected diversion includes a Shortage volume of 70 kaf and a Recoverable Water Savings Contribution of 101 kaf

**ICS Totals**

Projected ICS Total Storage at the end of CY 2024:  **2.217 maf**

* + - * Projected ICS Storage Balances at the end of each calendar year in the study are as follows:

|  |  |  |  |
| --- | --- | --- | --- |
| **State (volumes in AF)** | **2022** | **2023** | **2024** |
| AZ | 696,580 | 679,622 | 679,622 |
| CA | 1,060,273 | 900,235 | 875,497 |
| NV | 570,908 | 623,200 | 661,900 |
| **Total** | **2,327,761** | **2,203,057** | **2,217,019** |

**Additional Water Modeled Under the 500+ Plan (Implementation to Date)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Conservation Activity (volumes in AF)** | **2021** | **2022 (Projected)** | **2023 (Projected)** |
| CAP ICS delivery offset | 6,147 | 19,604 | 9,100 |
| GRIC System Conservation | 40,000 | 50,937 | 0 |
| GRIC ICS creation | 0 | 78,565 | 0 |
| CRIT System Conservation (in lieu of ICS) | 4,685 | 0 | 0 |
| CAWCD System Conservation | 0 | 35,156 | 0 |
| MVIDD System Conservation | 0 | 9,592 | 9,592 |
| MWD ICS delivery offset and/or creation | 58,134 | -63,632 | -157,978 |
| PVID System Conservation | 12,305 | 50,800 | 58,000 |
| SNWA ICS creation | 12,832 | 0 | 0 |
| **Total (Non-Shortage/DCP)** | **134,103** | **181,022** | **-81,286** |
| **Cumulative** | **134,103** | **315,125** | **233,839** |

* + - * 2021 values reflect final water accounting data as published in the [2021 Water Accounting Report](https://www.usbr.gov/lc/region/g4000/4200Rpts/DecreeRpt/2021/2021.pdf).
      * 2022 and 2023 volumes reflect executed agreements and/or current operational projections and are subject to change. Reclamation will provide updates to operational projections each month.
      * Additional conservation activities are being considered. After new agreements are finalized and executed, these additional activities will be included in Reclamation’s operational modeling.