

INVESTING IN CONSERVATION Lower Basin Projects

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**Across the Lower Basin,
federal investments are
supporting conservation initiatives.**

SNWA

REGIONAL WATER SYSTEM



NORTH LAS VEGAS

LAS VEGAS VALLEY
WATER DISTRICT

HENDERSON

RMWTF

AMSWTF

INTAKE THREE

INTAKE TWO

INTAKE ONE

To
BIG BEND
WATER
DISTRICT

BOULDER CITY

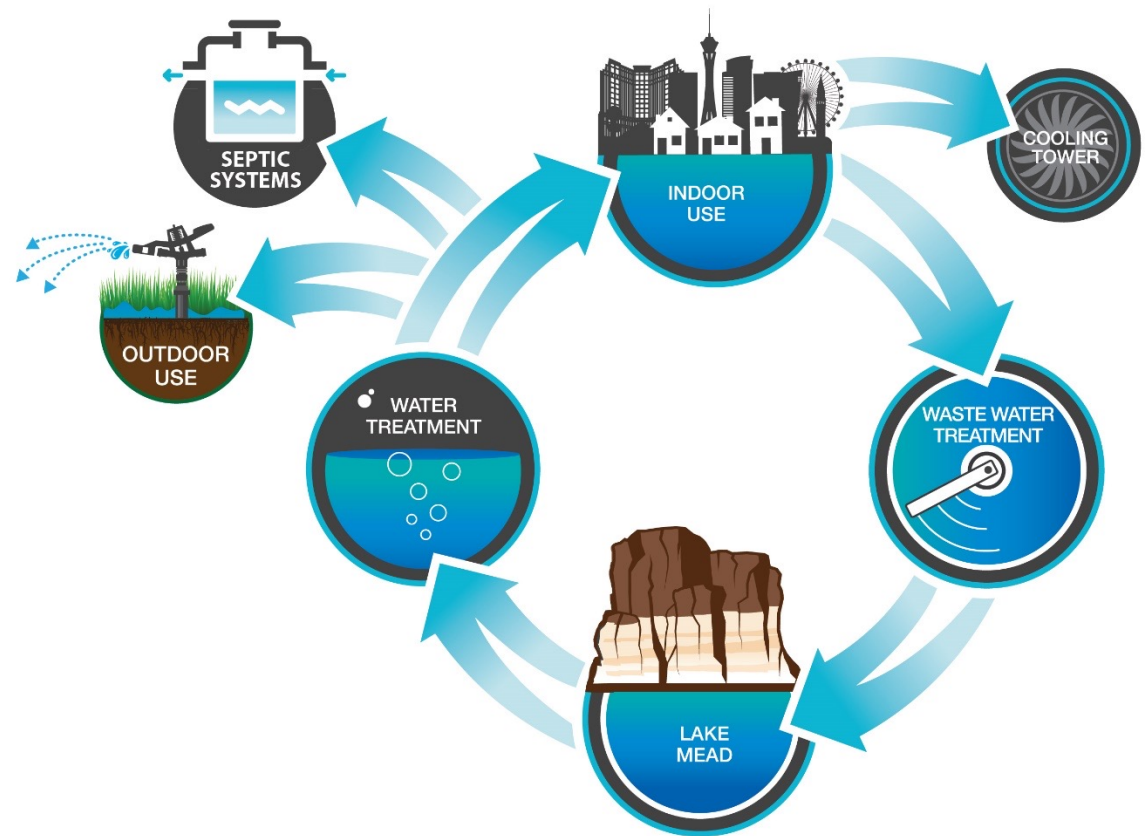
Supporting:

- 2.3 million residents
- 41 million annual visitors
- Approx. 600 square miles (metropolitan area)
- \$110 billion in Gross Domestic Product

Nearly all of Southern Nevada's indoor water use is recycled.

40 percent of our water is used indoors, then captured, treated and returned to Lake Mead via the Las Vegas Wash.

We recycle nearly all of the water used indoors, thereby extending the availability of our resources.





SNWA Water Efficient Technologies Program

Artificial turf conversions of 22 fields at 11 area high schools (football, baseball, softball)

\$2 million from BOR's WaterSmart Grant via the Bipartisan Infrastructure Law

Water Savings: 337 acre-feet per year

A large industrial cooling tower, likely a dry cooling tower, is mounted on a rooftop. The tower is made of metal and has a black mesh screen on the front. It is connected to a network of blue pipes that run across the roof. In the foreground, there are several large blue pipes with valves and a handwheel. The background shows a clear blue sky and some palm trees in the distance.

SNWA Water Efficient Technologies Program

“Wet” cooling to dry cooling conversions rebate incentives

\$6 million from American Recovery Plan Act funds (via Clark County Recovery Fund)



SNWA Septic-to-Sewer Conversion Program


**Septic-to-sewer conversions for
properties in close septic density
and/or experiencing nitrate issues**

**\$3.5 million: BOR WaterSmart Grant through
Bipartisan Infrastructure Law**

\$3 million: EPA

\$5 million: American Rescue Plan Act

Water Savings: 337 acre-feet per year

A large pile of brown soil is the central focus, situated on a green lawn. To the right, the red body and black wheels of a lawnmower are partially visible. The scene is brightly lit, suggesting a sunny day.

SNWA Water Smart Landscapes Rebate Program

**Rebated grass conversions to
water efficient landscaping**

**\$60 million: Bureau of Reclamation
through the Inflation Reduction Act**

**\$24 million: NV Department of
Conservation and Natural Resources
via American Rescue Plan Act funds**

Water Savings: 84,000 af per year



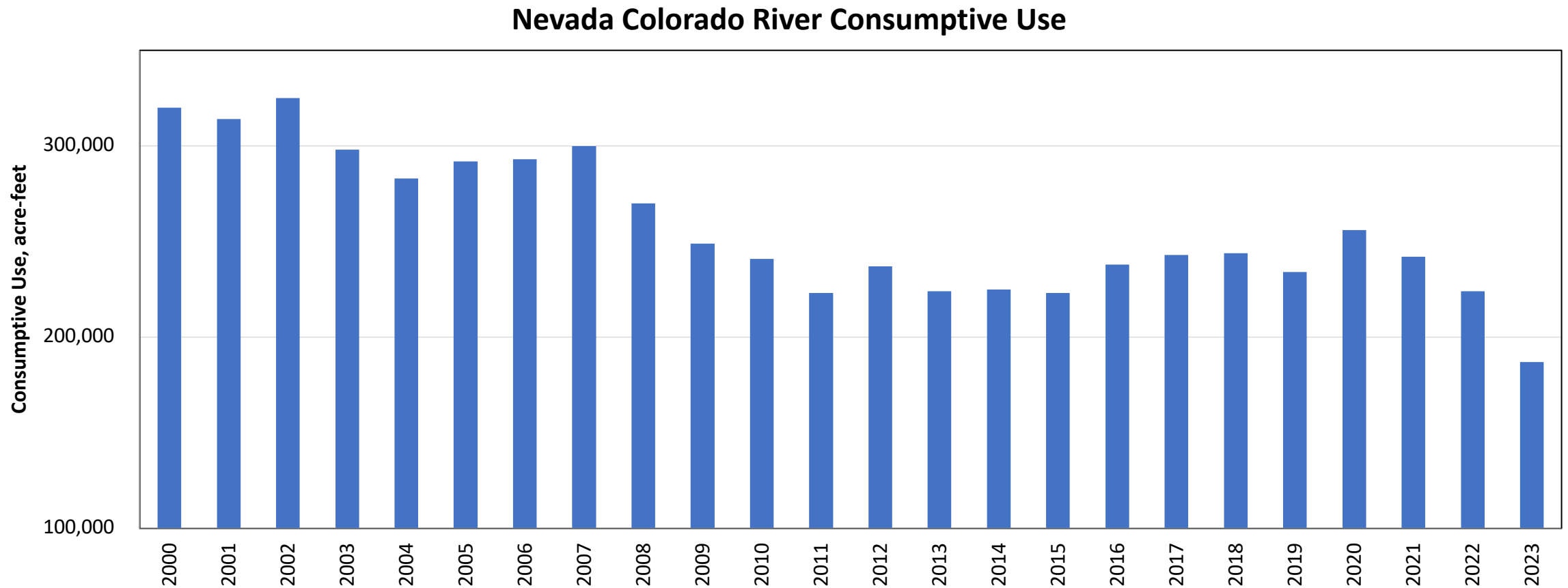
Las Vegas Wash Weir Construction

**Stabilization efforts to
protect vital waterway**

**\$20 million: Bureau of
Reclamation**

**\$6 million: BOR via Bipartisan
Infrastructure Law**

Water use has declined since 2000, despite the addition of 900,000 new residents.





Conservation in Southern California

Transforming everyday efforts into incredible water savings

Turf Replacement Rebate



More than **220 million**
square-feet of grass
removed

Approximately
241,000 acre-feet of water
saved

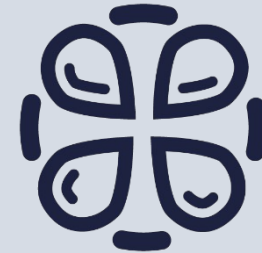
Rebates on Efficient Devices



Nearly **2.7 million**
acre-feet of water saved

Regional Rebate Program
savings since 1990:
3 million acre-feet of water

Water Left in Lake Mead



595,000 acre-feet
of water stored in
2023-2024

Contributing to California's
commitment to leave
1.6 million acre-feet through
2026



Ag-Urban Partnerships

Turned over to federal government to benefit entire system

Palo Verde Irrigation District

- Land fallowing program
- **117,021** AF saved per year for 3 years
- Bucket 1 total funding: \$140.4M

Bard Water District

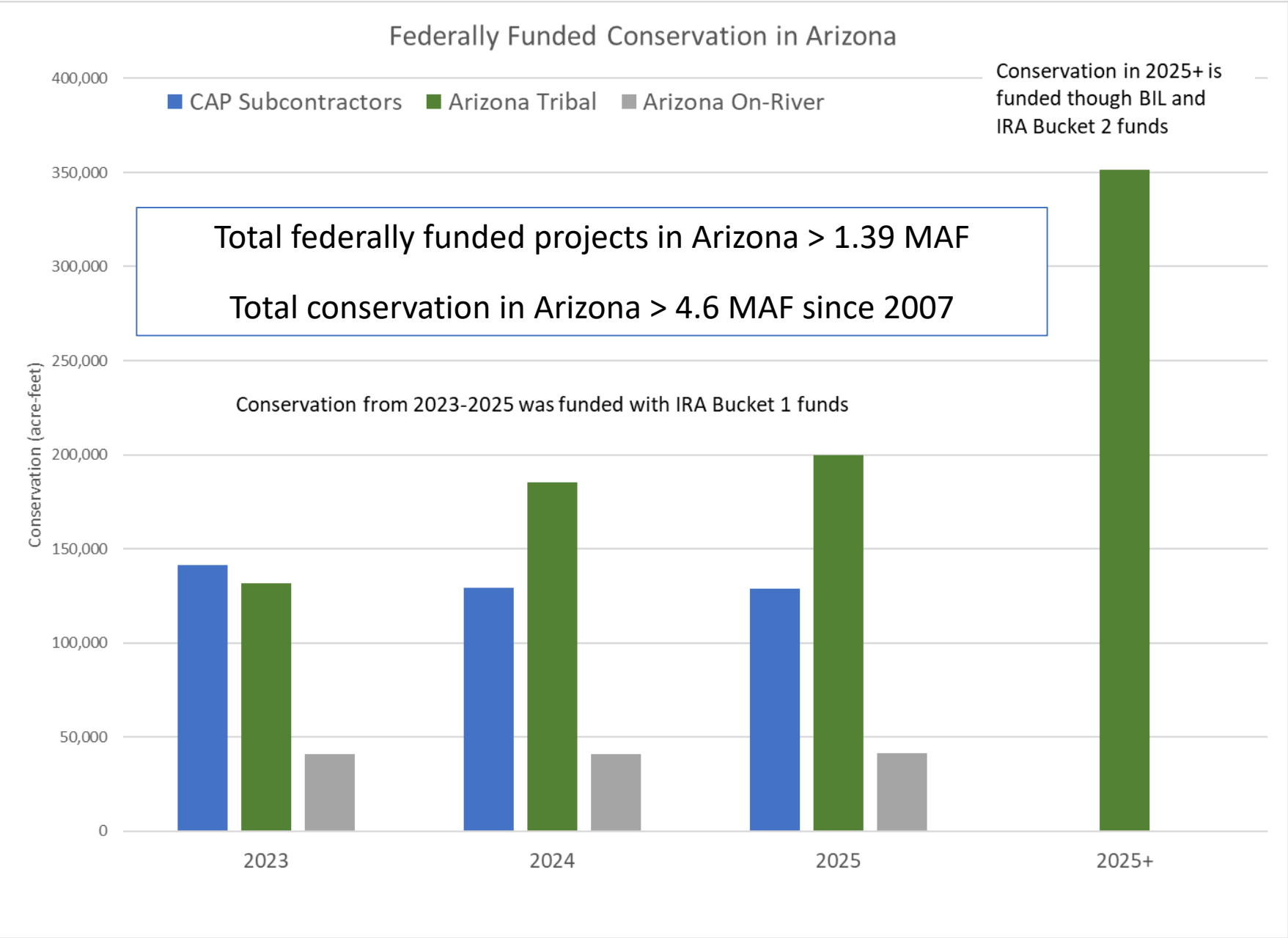
- Seasonal land fallowing program
- **5,700** AF saved per year for 3 years
- Bucket 1 total funding: \$6.8M

Quechan Tribe

- Forbearance agreement
- **13,000** AF saved per year for 4 years
- Bucket 1 total funding: \$20.8M



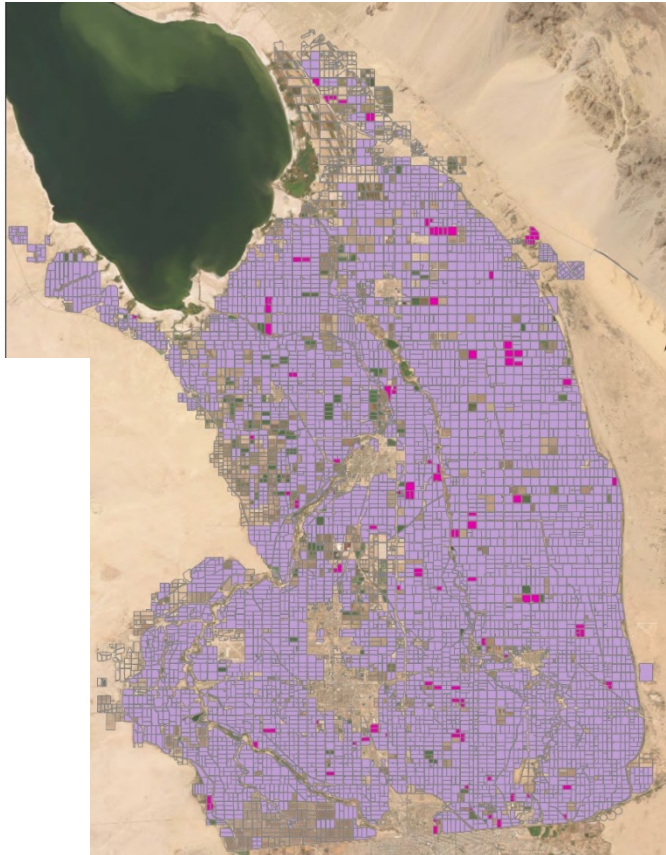
Federally Funded Conservation in Arizona



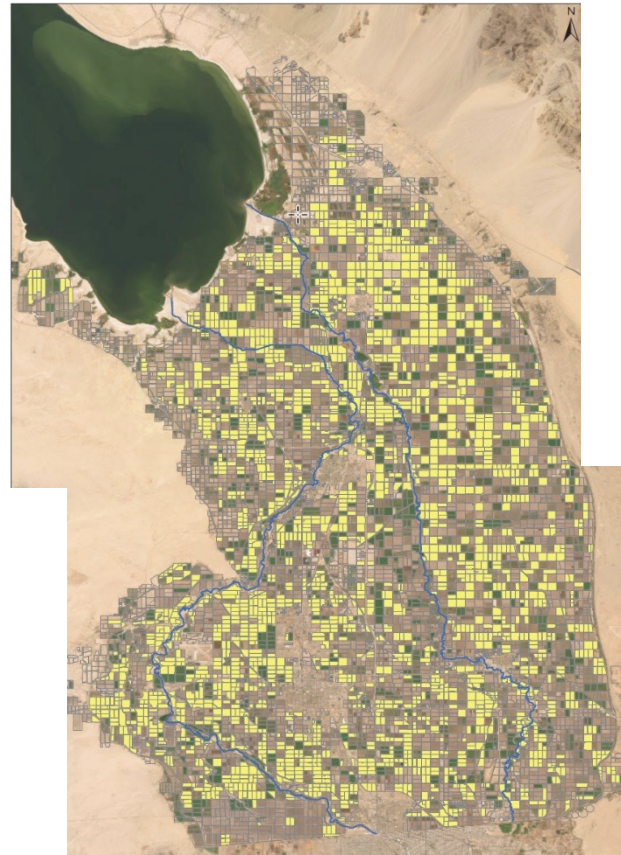
- Water use reductions due to federally funded conservation came from all sectors – municipal, industrial, tribal and agricultural
- Through 2024, federal investments have conserved over 669 KAF in Lake Mead and is projected to conserve an additional 720 KAF or more in Lake Mead in the future.
- Recycled Water Pipeline Project (RWPP) for the GRIC under BIL was completed in record time



Imperial Irrigation District



On-Farm Efficiency Conservation Program
≈ 5,033 Participating Fields (>350,000 acres)

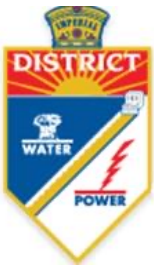


Deficit Irrigation Program
≈ 2,279 Participating Fields (154,140 acres)

System Efficiency Conservation Program

- Lateral Interceptors
- Automation
- Mid-Lateral Reservoirs
- SCADA and Technology
- Canal Lining
- Seepage Recovery Systems
- Interties
- 12-Hour Runs
- Operational Discharge Reduction

IID 2024 Conservation Total ≈ 660,000⁺ AF

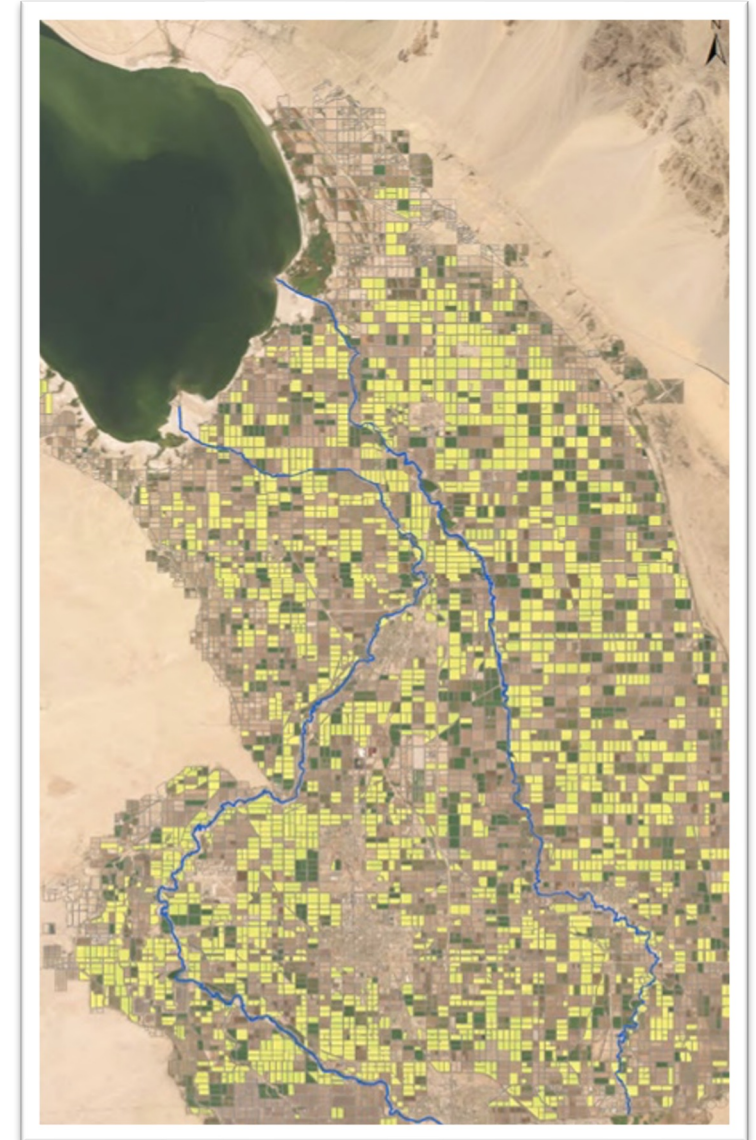


New 2024 Deficit Irrigation Program

- August 2024: IID locked 1,800+ gates serving nearly 2,300 service locations for fields that were growing alfalfa, Bermuda grass and Klein grass enrolled in IID's Deficit Irrigation Program (DIP).
- These fields were precluded from irrigating for 45 to 49 days through September 2024.

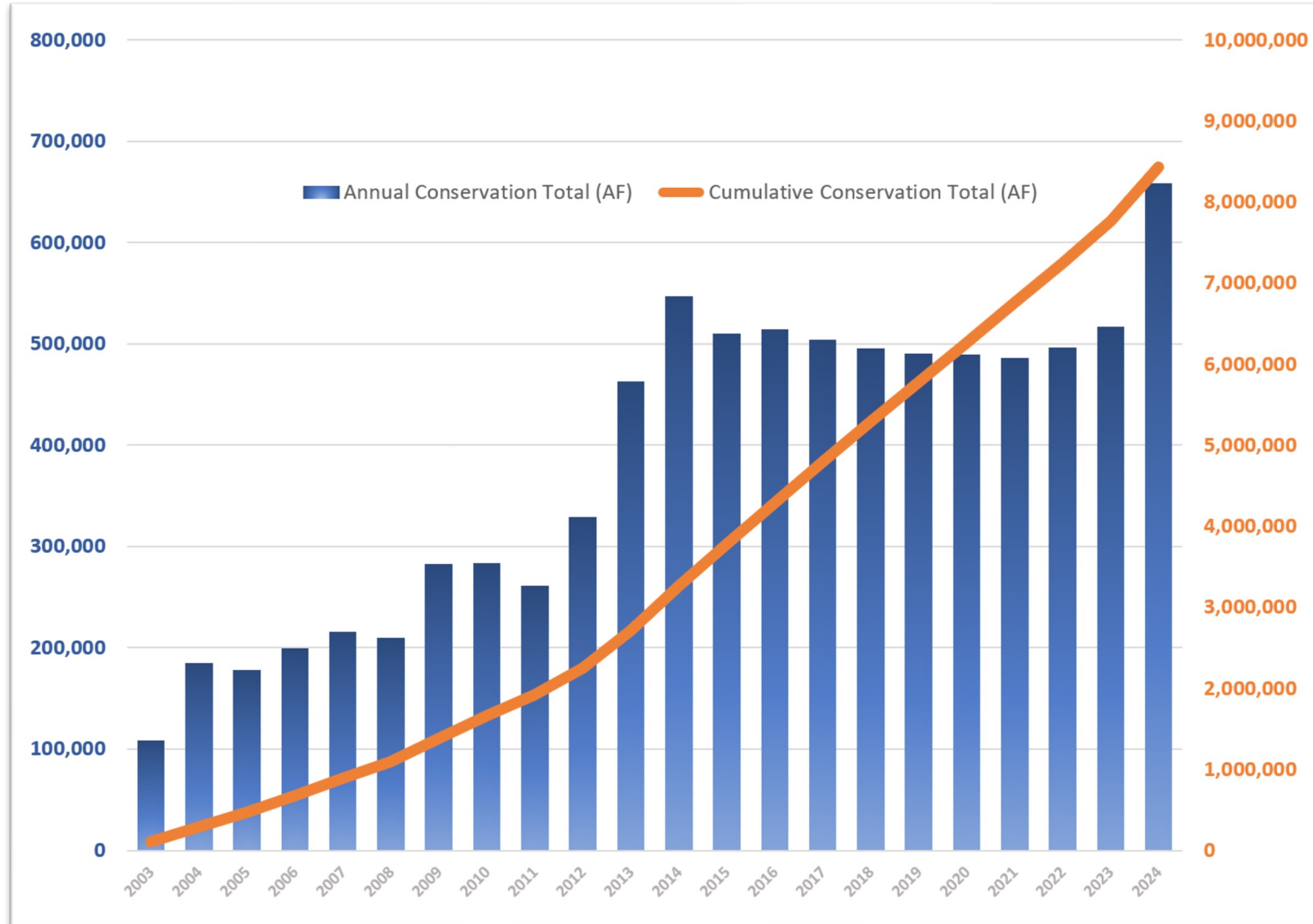
RESULTS

- 172,000 AF of water conserved and left in Lake Mead
- 154,140 acres participating





Conservation Results



**2003-2024
Cumulative
Conservation:
> 8.425 MAF**



SOUTHERN NEVADA WATER AUTHORITY™