

**Memorandum of Understanding**  
**by and among Colorado River Basin Municipal and Public Water Providers**  
**November 15, 2022**

Over the past two decades, the Colorado River basin has experienced the worst drought in the last 1,200 years, which has reduced storage levels in Lakes Powell and Mead to unprecedented and critical levels. Water users throughout the basin must reduce demands to bring supply and use back into balance.

For over 20 years, communities have adapted to persistent and intensifying drought and reduced water supplies by achieving significant efficiencies in water use through direct and indirect conservation programs, including improved technology for indoor water fixtures, changes to landscapes and watering practices, conservation-oriented rates and fees, reuse and recycling programs, marketing and education campaigns, and efficient land use and development policies. Yet, climate change and the resulting hydrological shifts we are experiencing require all water users in the basin to redouble our efforts to conserve our water resources.

Together, since 2000 we have decreased annual water use by over a million acre-feet while also adding over five million people to our communities.

Much of this savings has been achieved through indoor and outdoor water use efficiencies. Recognizing that a clean, reliable water supply is critical to our communities, we can and must do more to reduce water consumption and increase reuse and recycling within our service areas. We pledge to be part of the solution.

Specifically, we commit to take the following actions:<sup>1</sup>

1. Continue and expand our programs to increase indoor and outdoor water use efficiency.
2. Introduce a program to reduce the quantity of non-functional turf grass by 30% through replacement with drought- and climate-resilient landscaping, while maintaining vital urban landscapes and tree canopies that benefit our communities, wildlife, and the environment.

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<sup>1</sup> Certain water wholesalers may not have regulatory authority over the use of water by end users. In such instances, those parties commit to encourage their contractors, members, and water users to pursue these actions in order achieve the stated goals.

3. Increase water reuse and recycling programs where feasible, contingent on the dependability and security of our existing Colorado River supplies essential to support these efforts.

4. Implement best practices and sharing lessons learned to help one another accelerate our efficiency strategies. Water providers will select from the following approaches those tactics best tailored to preserve thriving communities, environmental health, and strong economies:

a. Transforming our outdoor landscapes and urban environments in a manner that improves climate resilience and promotes an ethic of wise water use through mandatory watering schedules and compliance enforcement, incentivized turf removal, and limitations on new turf;

b. Increasing efficiency of indoor fixtures and appliances;

c. Employing best practices for industrial processes and commercial operations, including minimization of evaporative cooling;

d. Adopting conservation-oriented rate structures to incentivize efficiency;

e. Accelerating water loss control by prioritizing supply considerations in asset management programs and exploring water loss control regulations to minimize water loss;

f. Improving coordination between land use and water planning efforts through improved processes, best management practices, and additional regulations, where appropriate; and

g. Employing other strategies tailored to the unique needs of each community.

5. Collaborate with other water users in the Colorado River basin to bring the supply and use of the river into balance. A robust agricultural economy, healthy watersheds, opportunities to recreate, and vibrant communities are all vital to our western way of life. No one sector, nor one state, can achieve sufficient use reductions independently. For the sake of current and future generations, we all must work together to achieve a balance of supply and use and thereby preserve a functioning and healthy river system.

6. Parties to this Memorandum of Understanding have signed below. Additional parties may join the Memorandum of Understanding without amendment by contacting Colby Pellegrino at [Colby.pellegrino@snwa.com](mailto:Colby.pellegrino@snwa.com).

Aurora Water



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Marshall Brown, General Manager

Denver Water



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James S. Lochhead, Chief Executive Officer

Metropolitan Water District of Southern California



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Adel Hagekhalil, General Manager

Pueblo Water



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Seth Clayton, Executive Director

Southern Nevada Water Authority



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John J. Entsminger, General Manager

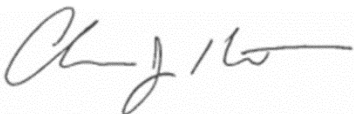
Albuquerque Bernalillo County Water Utility Authority



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Mark Sanchez, Executive Director

City of Mesa



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Christopher Hassert, Water Resources Director

Scottsdale Water



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Brian K. Biesemeyer, Executive Director

City of Chandler



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John Knudson, Public Works & Utilities  
Director

Washington County Water Conservancy  
District



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Zack Renstrom, General Manager

Central Arizona Project



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Theodore C. Cooke, General Manager

Town of Gilbert



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Jessica L. Marlow, Public Works Director

City of Peoria



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Jeff Tyne, City Manager

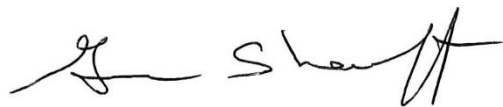
Salt Lake City Department of Public Utilities



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Laura Briefer, Director

Central Utah Water Conservancy District



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Gene Shawcroft, General Manager

Jordan Valley Water Conservancy District



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Barton A. Forsyth, General Manager/CEO

Castle Rock Water



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Mark Marlowe, Director

San Diego County Water Authority



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Sandra L. Kerl, General Manager

Eastern Municipal Water District



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Joe Mouawad, General Manager

City of Santa Monica



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Sunny Wang, Water Resources Manager

Long Beach Water



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Chris Garner, General Manager

Rancho California Water District



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Robert S. Grantham, General Manager

Burbank Water and Power



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Dawn Roth Lindell, General Manager

Western Municipal Water District



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Craig D. Miller, General Manager

Foothill Municipal Water District



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Nina Jazmadarian, General Manager

City of Tucson



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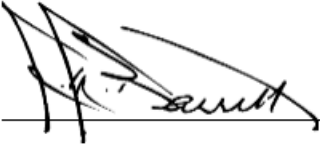
Regina Romero, Mayor

City of Tempe, Arizona

A handwritten signature in black ink, appearing to read 'Tara Ford', written over a horizontal line.

Tara Ford, Director Municipal Utilities  
Department

COACHELLA VALLEY WATER DISTRICT

A handwritten signature in black ink, appearing to read "J. M. Barrett", written over a horizontal line.

J. M. Barrett, P.E.  
General Manager

11/10/2022

Date



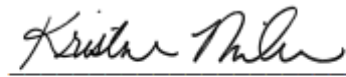
CITY OF SANTA FE:



ALAN WEBBER, MAYOR

Date: Nov 10, 2022

ATTEST:



KRISTINE BUSTOS MIHELICIC, CITY CLERK  
GB MTG 11/09/2022

CITY ATTORNEY'S OFFICE

Date: Nov 10, 2022



Marcos Martinez (Oct 21, 2022 16:03 MDT)

SENIOR ASSISTANT CITY ATTORNEY

Date: Oct 21, 2022

City of Phoenix



For Troy Hayes, Water Services Director