

BUILDING RESILIENCY TO DROUGHT AND CLIMATE CHANGE IN THE SACRAMENTO REGION



Help us achieve our vision of funding at least one new ASR well in each community

Aquifer Storage and Recovery (ASR) wells allow water providers to both ADD treated water into the groundwater aquifer during wet years, store that water underground for weeks, months, or even years and EXTRACT it during dry times.

The wells provide an important means for building resiliency to drought and climate change in a way that also preserves our environment by reducing reliance on Folsom Reservoir and the Lower American River for drinking water supplies.

One ASR Well

- Costs about \$6 million
- Has the potential to add up to 2,000 acre-feet of water into the groundwater basin per year, enough to serve 4,000 families
- Guarantees reliability through the life of that well, which typically is 50-plus years

2021-22 Case Study: Using ASR to Bank Flood Water Underground for use During Drought

After several major storms in late 2021 filled Folsom Reservoir to capacity, the U.S. Bureau of Reclamation began offering excess water to federal water contractors such as the City of Roseville.

During the first week of January 2022, Roseville treated and moved 65 acre-feet of Folsom Lake water into the groundwater basin using the city's ASR wells. Roseville is likely to take delivery of additional flood water for recharging the aquifer throughout January and potentially beyond, depending upon conditions, and expects to increase the amount of water banked weekly as additional ASR wells are activated.



Support us in leveraging funding from additional sources

RWA is focused on securing and leveraging funding for resiliency through every possible means. We need your support. Help us advocate for funding through:

- The California Department of Water Resources (DWR) Urban and Multibenefit Drought Relief Funding Program: Authorized by the Budget Act of 2021, this \$300 million state grant program awarded \$14 million to the Sacramento region in Phase 1 to complete planning for the Sacramento Regional Water Bank, finish groundwater wells for the Fair Oaks Water District and Orange Vale Water Company, and build an intertie for the El Dorado Irrigation District. DWR plans to award nearly \$140 million in Phase 2, and we need your help to advocate that funding is used for multibenefit projects that build resiliency, as the legislature intended.
- Wildlife Conservation Board (WCB) Grant: The WCB is currently considering grant funding to advance planning for the RiverArc project, which would utilize an existing diversion on the Sacramento River to deliver water to the Sacramento region. In doing so, the project would provide flexibility to water managers to meet water supply needs in the most environmentally friendly manner and reduce reliance on Folsom Reservoir and the Lower American River during drought years. RiverArc would also provide a critical surface water source for the Water Bank.
- Federal funding: RWA is continuing our work to secure federal infrastructure funding for local projects and may request your support of our applications and proposals.

