

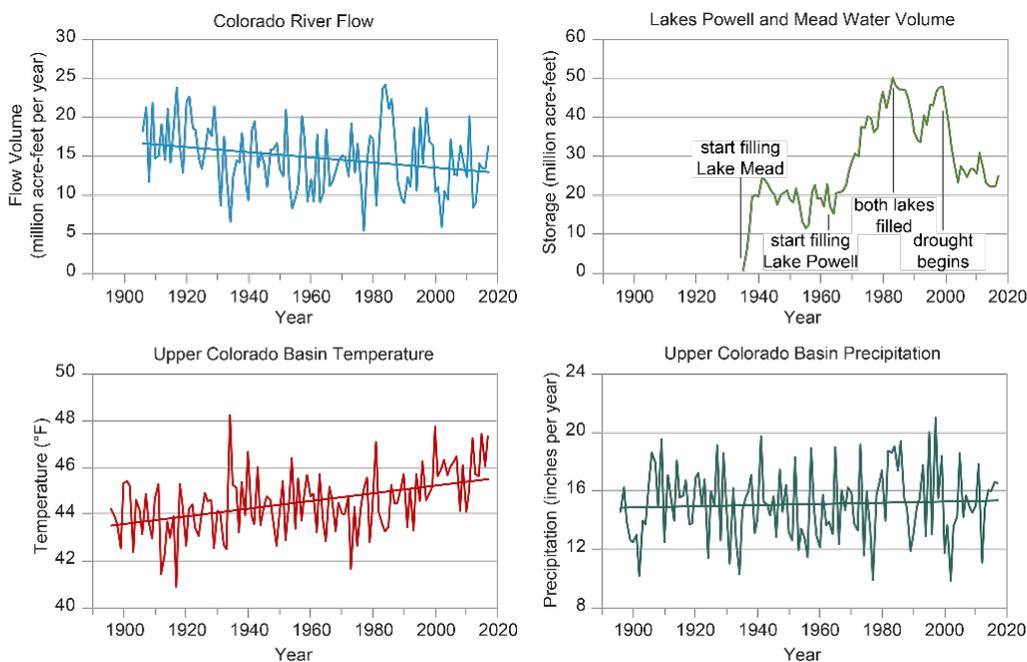


## DEVELOPING LONG-TERM WATER SUPPLIES

Some of you may have heard talk about the challenges facing Colorado River supplies in the long term. The recently released Fourth National Climate Assessment has a chapter dedicated to water issues in the Southwest and this image below is of a set of charts from the report. What this shows is that while precipitation over the last 120 years has held about flat on average, temperatures have been increasing steadily and river flows have been decreasing steadily.

As the temperature goes up, more water is taken up by plants and the soil and less runs off into the river systems. Once water gets to the storage reservoirs (Mead and Powell), warmer temperatures increase evaporation.

The chart at the upper right shows that both of these lakes have been full at the same time only once since before WWII. Keep in mind that the 20 Million Acre-Foot line is below where usable water can be taken from the lakes. Right now, we are very near the critical shortage level in both lakes and another dry year will result in serious problems with water users in Arizona and the rest of the west.



The District's Board of Directors clearly understands the need for the District to seek out viable and cost-effective ways to obtain more resources as the ones we have steadily decline. Our Strategic Plan includes an objective to develop local groundwater supplies and identify potential location of groundwater treatment facility. Work is underway on this effort.

Rainbow Municipal Water District will continue pursuing our long-term vision that includes the development of our local water supplies, water reuse, and possibly even desalination. We also encourage our customers to use the water that they need but to use it wisely. Water is essential to all of us and being efficient in our water use can help preserve these supplies and reduce water bills.

We also encourage our customers to provide input into this process. Our Engineering and Operations Committee is made up of our customers and we welcome any input you may have. Our website has information on meeting dates and times.

## **FLEET SERVICES INFORMATION**

Here's something you might not have thought about when it comes to jobs at the District. Rainbow Municipal Water District Fleet Service Department, consisting of one employee, whose job it is to maintain, repair and inspect all vehicles in inventory to include trailer mounted equipment and small engines. This staff member also installs safety lighting, radios, decals and light bars on all newly purchased vehicles.

Fleet Services is also required to comply with Fleet Vehicles Emissions Testing which is reported to the Bureau of Automotive Repairs Government Fleet Smog Program by December 31st every year. Annually, All Diesel Fleet Vehicles Over 14,000 GVW must be tested per California's Heavy-Duty Diesel Inspection Program (HDVIP) (12) Vehicles in this program.

Periodic Smoke Inspection Program (PSIP) and all Records must also be maintained. All diesel particulate filters are cleaned on-site using pulse cleaning methods to reduce soot build-up and to ensure diesel exhaust after treatment devices are working properly. Fleet Services facilitates disposal & record keeping of all waste oil, tire and battery disposals onsite per State of California Department of Recycling and Recovery.

Our fleet mechanic is Automotive Service Excellence (A.S.E.) Certified in brakes, suspension and steering G1 maintenance & light repair Certificate of Training on Comprehensive Air Brake Systems Operation, Maintenance and Components. He also has a Certificate of Training California Council on Diesel Education and Technology (CCDET) Heavy Duty Diesel Engine Emissions. Control for Testing Procedures Per Section 2180 ET. title 13 California Code of Regulations.

The next time you see one of our vehicles driving through town, you can think about how much effort and skill goes into making sure our staff responds to all our customers' needs out in the field in a timely fashion.

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## **FREE SAND BAGS**

If you haven't already done your preparations for the winter storms, it's not too late. San Diego County's Department of Public Works, the San Diego County Fire Authority and CAL FIRE are providing free sand and bags, or free bags, generally around the clock at the locations listed at <https://www.ncfire.org/county-to-provide-free-sand-and-sand-bags>. People should call ahead to double-check availability and bring a shovel to fill the bags with sand for the locations with sand and bags.

In addition to the regular locations, people who live in and around the areas that were burned by last year's Lilac Fire in North County can get free sandbags and other devices, such as fiber rolls, at the County's Bonsall Road Station.

The station is located at 2370 Pala Road in Bonsall and will be open Tuesday through Saturday, 8 a.m. to 5 p.m. Residents in the Lilac Fire burn areas can also call 888-846-0800 to schedule to have a County engineer come look at their property to suggest what areas need protection, and how and where to place sandbags, fiber rolls and other erosion control devices.

### **Board of Directors**

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