



# THE Pipeline

YOUR CURRENT WATER INFO SOURCE

Spring 2021

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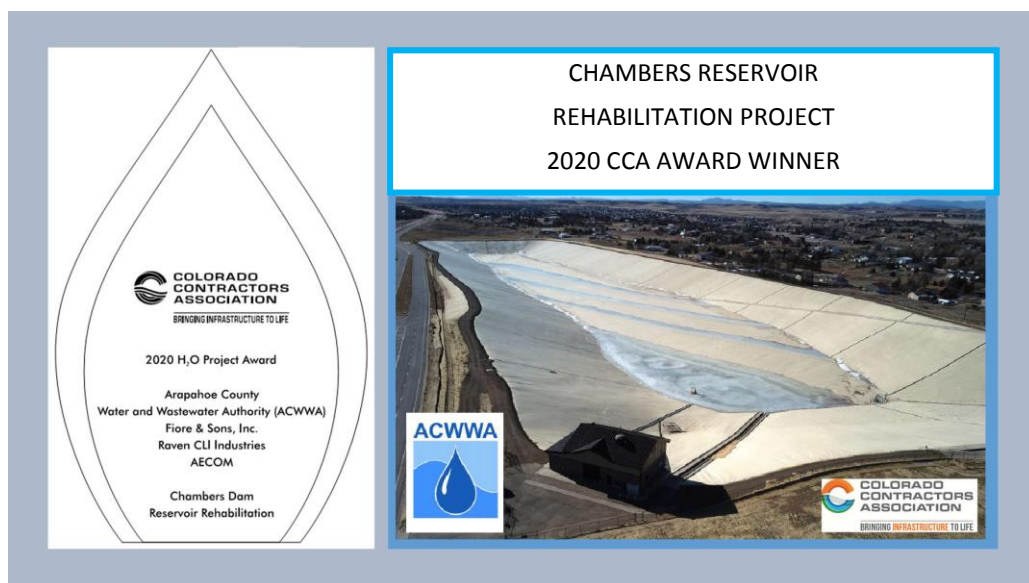


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CHAMBERS RESERVOIR  
REHABILITATION PROJECT  
2020 CCA AWARD WINNER

## Chambers Reservoir Project CCA Award

Chambers Reservoir is owned and operated by Arapahoe County Water and Wastewater Authority (ACWWA). ACWWA contracted with United Water and Sanitation District (United) for the planning, design, permitting and construction of the 1,400 ac-foot reservoir. After completing the construction of the reservoir, the project was transferred to ACWWA. Chambers Reservoir is located near the southwest corner of the intersection of Chambers Road and E-470 in Douglas County.

ACWWA's plan for utilizing the storage capacity in the reservoir is to provide for the off season pumping of alluvial water from Cherry Creek to fill the reservoir and then during the irrigation season pump the water into ACWWA's non-potable/irrigation water distribution system for customer use. Repairs to the reservoir lining system have been accomplished through investigations by our consulting engineer AECOM. The reservoir was recontoured and the side slopes were rebuilt to install a membrane lining system to control seepage out of the reservoir. The project was bid out and Fiore & Sons – earthwork contractor, and RAVEN CLI Construction – liner manufacturer and installer, were selected to complete the installation of over 1.8 million square feet of liner system.

The project has been awarded the Top Project of the year by the Colorado Contractors Association. This award is given for the overall project execution by the designers and contractors. ACWWA is proud to have been nominated and the award is given to the entire team of ACWWA, AECOM, Fiore and Raven for the top project of 2020.



# SPRING FLUSHING

ACWWA will again be flushing all the water mains throughout the service area this spring. Water main flushing is the process of cleaning or “scouring” the interior of water distribution main pipes by sending a rapid flow of water through the main pipes. Flushing provides many benefits including the reduction of bacterial growth in the pipes; helps to identify missing or broken valves; ensures that fire hydrants are operational; dislodges and removes sediments and deposit build-up in the pipes; and helps to reduce taste and odor problems.

ACWWA flushes the water mains approximately once per year, in the spring. The flushing process generally takes 1 - 2 days per neighborhood to complete. Look for signs that flushing will occur at the entrances to your neighborhood. Occasionally, weather may delay/hinder the flushing process and emergencies may arise where ACWWA’s staff is called away from flushing for a day or two. Please call the office at 303-790-4830 or check ACWWA’s web page for any updates and more information.

<u>DATE</u>	<u>LOCATION</u>
March 29, 30, 31 April 1,	ELKHORN
APRIL 5, 6, 7, 8,	CHAPARRAL – ESTANCIA - ANTELOPE
APRIL 12, 13, 14, 15,	FOXFIELD - RIVER RUN - COYOTE RANCH - THE LANDING – THE COLONY
APRIL 19, 20, 21, 22,	SOUTH CREEK – LADERA - COURTNEY DOWNS – THE RESERVE - SAVANA
APRIL 26, 27, 28, 29,	BRONCOS TRAINING – THE JAIL – CENTENNIAL AIRPORT – COUNTY OFFICES – FED X - CENTENNIAL LEASING – TOP GOLF – OTHER COMMERCIAL
May 3, 4, 5, 6,	DOVE VALLEY - CENTENNIAL EAST – HINSDALE LOOP – FOX RUN - POTOMAC
MAY 10, 11, 12, 13,	SANCTUARY - VCC - ORCHARDS
MAY 17, 18, 19, 20,	ALL BUSINESSES NORTH OF ARAPAHOE ROAD



## ACWWA FLOW PROJECT UPDATE

The 2019 Technical Update to the Colorado Water Plan projects that Colorado faces a water supply shortfall of 2.5 million acre-feet by 2050. This shortfall, or gap, is largely driven by the population increase that is projected over the next 30 years. Innovative water supply projects are needed to help decrease this gap. The ACWWA Flow Project is a small piece of this complex puzzle.

In 2009, ACWWA's Board of Directors recognized this issue and took advantage of lower interest rates and lower construction costs and launched the ACWWA Flow Project. ACWWA Flow is a water supply project which upon full completion will provide an annual average delivery of 4,400 acre-feet of renewable water to the ACWWA service area. For those that don't know, an acre-foot of water is the volume needed to cover one acre of land with one foot of water, or roughly 326,000 gallons. This new water will supplement current water supplies, providing a secure and high-quality water source for current and future ACWWA customers.

Many components of the project have been completed over the past 10 years, including the following:

- Adjudication of over 2,400 acre-feet of water rights from the South Platte River Basin, with the other 2,000 acre-feet progressing through the water court process;
- Completion of the 1,400 acre-foot Chambers Reservoir;
- Design and partial completion of the extensive network of infrastructure needed to utilize the changed water rights;
- Expansion of water treatment capacity in the East Cherry Creek Valley (ECCV) Water Treatment Plant as well as water carrying capacity in the ECCV Northern Pipeline.

Water deliveries from the ACWWA Flow Project are of high quality and have been occurring since 2013! Approximately one-third of ACWWA's total water supply now comes from this Project. The water delivery is blended with existing supplies and has improved the overall quality of water in the ACWWA system. ACWWA continues to work toward improving its water quality by blending its water sources, expanding its non-potable irrigation system, and modifying its operations. For more information on this project, go to [www.acwwa.com](http://www.acwwa.com) and click on the ACWWA Flow Tab!

# Meter Accessibility

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During the third week of every month, an ACWWA Water Technician will be out and about to read the water meters for our customers. Keeping the meter area clean and clear helps them to do their job safely and efficiently. Unfortunately, when your meter is obstructed by snow and /or landscaping, it makes the job of our water technicians much harder.

March is one the snowiest months in the front range area. Please be sure when you shovel the snow off your sidewalks and driveways, that you don't pile the snow on or near the meter lid, keeping it accessible to our crew. And as the weather warms, please check your meter and follow these tips for keeping it free and clear.

▶ **Clear Away Tress, Bushes, and Plantings**

- ▶ Trim bushes trees and grass that block the way or cover the meter.
- ▶ Minimize plants in the area for meter access.
- ▶ Remove all branches hanging lower than six feet over the meter.

▶ **Watch Your Pets**

- ▶ Keep pets away from the path of your meter.
- ▶ If you have a guard dog for security, please let us know so that we can make sure that our meter readers and other utility personnel are aware of this. We may ask that you arrange to confine the dog during the day that your meter will be read.