



## Winter 2018 In this edition...

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## Renovation of the Joint Water Purification Plant (JWPP)

ACWWA's Board of Directors approved funding for the renovation of the Joint Water Purification Plant (JWPP) for improvements to bring the plant back to reverse osmosis (RO) processing. The renovation project is being funded jointly by ACWWA and our partner - Cottonwood Water and Sanitation District (CWSD). Once renovations are completed, this water treatment facility will have the capability of treating alluvial groundwater with both RO and microfiltration (MF) treatment processes. The plant will also have the ability to further treat the incoming groundwater with an advanced oxidation process to further enhance the quality of the finished water. A full description of the process for the development and design of this renovation project was detailed in the last *Pipeline* publication.

The project was awarded in March 2018 to allow the final design and permitting to be completed. Final permits have been issued and construction began in September, 2018, with scheduled project completion set for Fall 2019. The plant will be started up slowly over a three-month startup period followed by the ramping up of the treated water capacity for delivery to ACWWA's potable water system. The completed project will provide up to three million gallons per day of very high quality water for both ACWWA and CWSD customers.

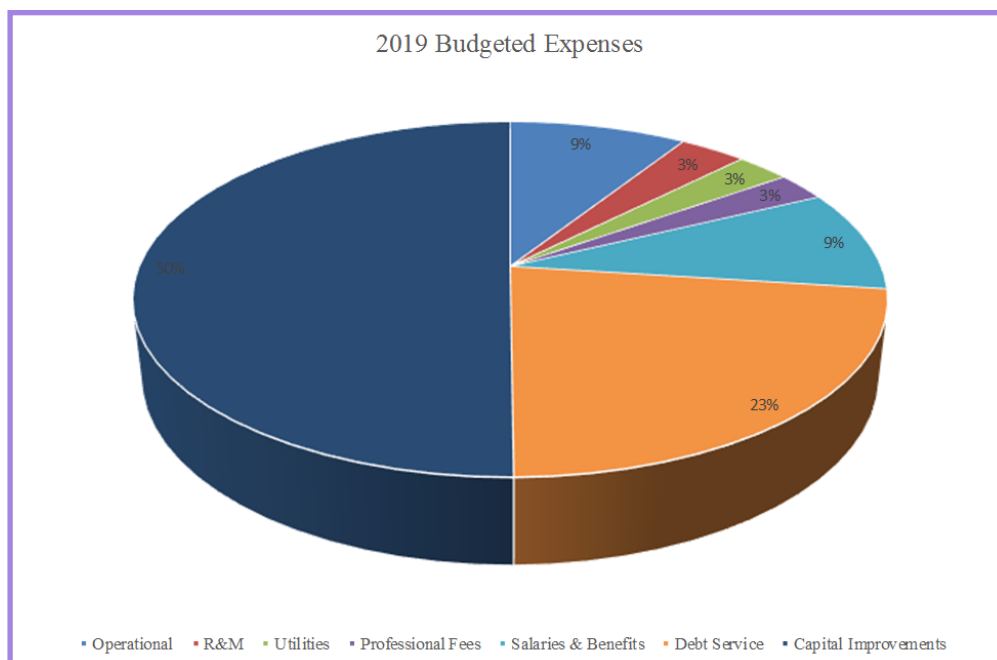
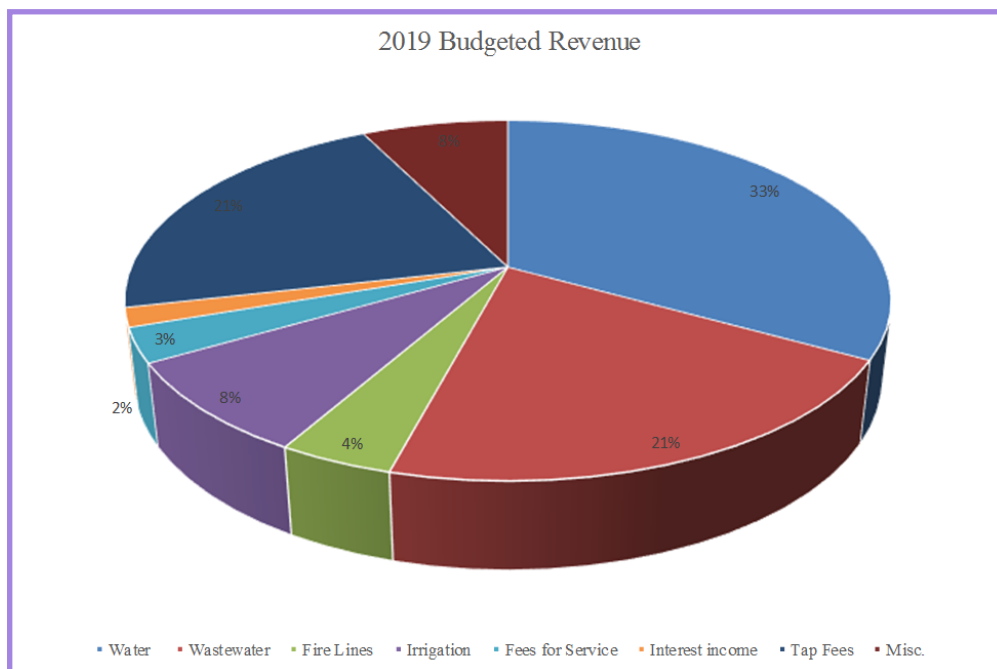


*Initial construction of the JWPP renovation project - Biological Treatment System for brine treatment*

# ACWWA Board Approves 2019 Budget

The ACWWA Board approved the 2019 budget at the November 14, 2018 Board meeting. For 2019, revenues are projected to be \$27.8 million, and expenditures are budgeted to be \$44.2 million, including \$22.1 million in capital improvement projects. ACWWA has had several years of strong tap sales (fees paid by developers to connect to the water and wastewater systems), and will be able to fund our infrastructure requirements from tap sales reserves. Water rates and fees for 2019 will increase 3%, and wastewater rates and fee will increase 2%. A survey of neighboring water utilities found that these organizations are raising rates and fees by an average of 4%.

Capital projects slated for next year include continued infrastructure work on the ACWWA Flow project, along with water rights adjudication, converting the Joint Water Purification Plant to a blended Reverse Osmosis/microfiltration process to improve water quality, drilling a deep well at the Elkhorn Ranch subdivision, and installing a third clarifier at the Lonetree Creek Water Reuse Facility for reliability and redundancy. ACWWA will also be upgrading lift stations and replacing aging water and wastewater system components. The charts below show ACWWA's budgeted revenue and expense by category.



# WATER FOOTPRINT CALCULATOR™

How big is your water footprint? How do I compare?  
How can I conserve?

We live in a watery world, with the average American lifestyle fueled by nearly 2,000 gallons of H<sub>2</sub>O a day. What may come as a surprise is that very little of that—only five percent—runs through toilets, taps, and garden hoses at home. Nearly 95 percent of your water footprint is hidden in the food you eat, energy you use, products you buy, and services you rely on. Home water conservation is easy once you understand how and where you can use less. The quick and easy Water Calculator shows you which water uses in your home are efficient and which are not, and offers simple conservation tips that save water and energy.

Go to [www.watercalculator.org](http://www.watercalculator.org) to see how you compare.



## PREPARE YOUR HOME FOR WINTER



- BEFORE COLD WEATHER SETS IN:**
  - Check sprinkler or irrigation systems**  
Make sure you've turned everything off and fully drained the system.
  - Identify your home's freezing points**  
Check your home for pipes in areas that might be prone to freezing, such as crawl spaces, unheated rooms, basements, garages, and exterior walls.
  - Know how to shut off your water**  
Locate your main shutoff valve
  - Strengthen your defenses**  
Eliminate sources of cold air near water lines by closing off crawl spaces, fixing drafty windows, insulating walls and attics, and plugging drafts around doors.
  - Protect your pipes**  
Where pipes are exposed to cold, wrap them with insulation or heat tape (even fabric or newspaper can help).



# Happy Holidays!

from ACWWA

Again in 2018 ACWWA employees decided to give back to the community. Partnering for the Holidays Program offered the perfect opportunity for this endeavor. Families in need generally consist of children and adults who have been victims of abuse and neglect, or are experiencing financial hardship. Monetary donations were collected from employees, and volunteers from ACWWA purchased and delivered new gifts to the Arapahoe County "Holiday Store." It gave ACWWA employees a chance to connect with their community at this special time of year!



**Anyone can VOLUNTEER at the ARAPAHOE COUNTY  
HOLIDAY STORE!**

Please visit <http://signup.com/go/HRkVwBt>

**to view the open opportunities.**

