

THE 2015 WATER AND WASTEWATER ANNUAL REPORT

The City of Craig Water and Wastewater Departments are proud to present this annual report for 2015. During the past year, both of the publicly owned and operated utilities successfully met the needs of the community, exceeding the mandatory guidelines set by the state and federal regulations governing the industry.

PRE AUDIT FIGURES FOR 2015:

	<u>REVENUES:</u>	<u>EXPENDITURES:</u>
WATER FUND	\$2,925,700.00	\$3,088,210.00
WASTEWATER FUND	\$1,482,200.00	\$1,644,345.00

- The *projected* expenditures in excess of revenues in the water and wastewater funds this year can mostly be attributed to the Shadow Mountain Project.

There was an unreserved ending Fund Balance of \$2,338,040.00 in the Water Fund and \$628,490.00 in the Wastewater Fund, which is needed to maintain an operating reserve in both funds.

2015 WATER DEPARTMENT ANNUAL REPORT

OUR MISSION STATEMENT;

IT IS THE MISSION OF THE CITY OF CRAIG WATER DEPARTMENT TO PROVIDE THE CUSTOMER WITH SAFE, DEPENDABLE, AND HIGH QUALITY DRINKING WATER AT A REASONABLE COST; TO MAINTAIN EXISTING INFRASTRUCTURE AND EFFECTIVELY PLAN FOR MEETING THE NEEDS OF A GROWING COMMUNITY; AND TO SATISFY THE CONCERNS OF THE PUBLIC IN A TIMELY, COURTEOUS AND PROFESSIONAL MANNER.



WATER PRODUCTION OVERVIEW;

In 2015 the city water department produced approximately 598,600,000 gallons of purified water to serve the public good. The largest production month was July with approximately 95,500,000 gallons leaving the treatment facility. The total yearly production increased slightly by almost 6% over 2014.

The total chemical cost for 2015 equaled \$217.65 per million gallons of finished water produced, which is about 17% more than 2014. This increase in the chemical cost per million gallons is due to an increase in chemical usage in 2015 to adequately treat the water.

LOOKING BACK;

This year (2015) started off with the continuation of the Shadow Mountain Project, which started in June 2014. The bids for phase 2 were received in early January. Due to the mild winter the phase 2 contractors (Native) were able to start working in March, and the phase 1 contractor (Rundle) started back in early April to finish up phase 1 which was not completed in 2014. Both projects went much better this year with both contractors finishing up pretty much on schedule. The water department staff spent approximately 350 man hours on this project this year by installing overland water services, doing water line locates, emergency water system shutdowns, and new water main water quality testing, etc...

Anson Excavation removed 654 tons of water treatment sediment from the #1 backwash pond in 2015. This sediment was stockpiled at the water plant for thorough drying, and was gradually taken to the Moffat County Landfill by the water department staff throughout the spring and summer. The landfill is unable to take all this material at one time. They use this sediment as cover material for the more objectionable refuse.

Universal Crane Service came in to do the annual inspections of all lifting hoists and rails at the water and wastewater departments. This is done to make sure that all devices are safe to use for their rated capacities. In 2015 all of the hoists and cranes passed their required ratings.

The water department saw several personnel changes in 2015. Leon Christopher the Distribution/Collection Foreman retired after 37 years of dedicated service. Tyler Slaight one of the Distribution Tech 2's that worked for Leon was eventually named his successor and has done a very good job since he took over. A few other staff members from the water plant and distribution departments left for greener pastures throughout 2015, and these positions have been filled with very capable people who have shown an intense desire to learn and succeed in their jobs. We wish them all the best in their endeavors.

Miscellaneous projects completed by the water department staff in 2015 included, the installation of new chemical tanks, mixers, mixer stands, and chemical feed pumps as part of the potassium permanganate feed system improvements. The staff also worked on several video security, and SCADA improvement projects at the water and wastewater plants.

The water department staff continued providing operational and maintenance services at the Elkhead Dam throughout the year. The staff's time at Elkhead throughout 2015 equaled 231 man hours. The staff made minor concrete repair work in the spillway as directed by the river district. Several heater units malfunctioned at the tower, and were repaired or replaced by the staff. The cathodic protection system failed again this year and was not corrected until February 2016 when QualCorr was able to come in and make the repairs. The temporary reservoir level bubbler system installed by staff in the spring of 2014 is still being used. The main bubbler system piping has yet to be fixed and will probably require divers. This is the river district's responsibility to take care of.



The Bulk Water Sales stations were worked on throughout the year. Various repairs to the bulk water sales stations were made by the staff, they included repairs to leaks in the piping system, replaced the auto drain solenoids at all stations, repairs to video surveillance system and computer, and various repairs to the loading arms and air gaps because of hard use. The 1st Street station building exterior and interior water piping were painted this year. A total of a little more than 10.9 million gallons of finished water went through the 3 bulk water sales stations or fire hydrant meters in 2015. This was a small decrease in bulk water sales of about 2% over 2014.

MMI Tank was in from September through December to sandblast and paint the interior and exterior of the Pineridge Tank. The cathodic protection system was replaced as part of the project. Also, several deficiencies were found by SGM's structural engineer on this tank. Some were addressed in 2015, and the others are scheduled to be done at the 1 year warranty inspection which is to be done in September 2016. The extent of the structural improvements/modifications that were needed was too much to be done in 2015. The staff also performed quarterly tank inspections, and cleaned the West Barclay Tank during the report year.

Standard pump station maintenance and repair work was done throughout the year. Miscellaneous pump station work done in 2015 included installing new fluorescent lighting, and painting the exterior and interiors of all the pump stations. Work at Finley pump station included installation of new insulation on the ceiling, replaced the building control thermostat, and the o-rings on all check valves where replaced.





Finally, general distribution system maintenance was performed throughout the year. This included making emergency repairs to 13 water mains, 305 valves out of 1211 were exercised, 6 curb stops and/or service lines were repaired or replaced, 3 fire hydrants were replaced, maintenance was performed on 117 fire hydrants, 215 fire hydrants were flushed, flow testing was completed on 3 fire hydrants, (1) 1" water tap was made, and 86 line locates were done. The Distribution staff worked closely with the wastewater staff on making improvements to wastewater process equipment so they could be monitored and/or controlled by the SCADA system.





This concludes the 2015 report for the water and wastewater departments. The staff is thankful for the council and administration's support, which allows the staff to be able to provide the customers with excellent service. Below is a list of 2016 goals for the water plant & distribution system.

WATER PLANT GOALS 2016;

1. Removal of sediment from the #2 backwash pond.
2. Finalize the plant upgrade UV accreditation with CDPHE.
3. Continue to work on small water main replacement projects to address various areas of deteriorating infrastructure.
4. Complete the distribution system water model, and water quality study.
5. Oversee the repairs to the Large Barclay Tank and improvements to the Pineridge water storage tank.
6. Coordinate and oversee YVEA's work to replace the transformers and main underground wiring at the water plant.
7. Oversee and coordinate the water and sewer main replacement project in Shadow Mountain for the final phase #3.

