



Utilities Monthly Report

November 2023

Gas Operations:

Gas staff delivered and hooked up several propane tanks for customers. Staff also connected new service lines to metered natural gas customers. Staff are adjusting gas regulators to increase the flow through the Hildale/Colorado City Gate Station.

Natural Gas and Propane contracts are in place through May of 2024 to stabilize the rates.



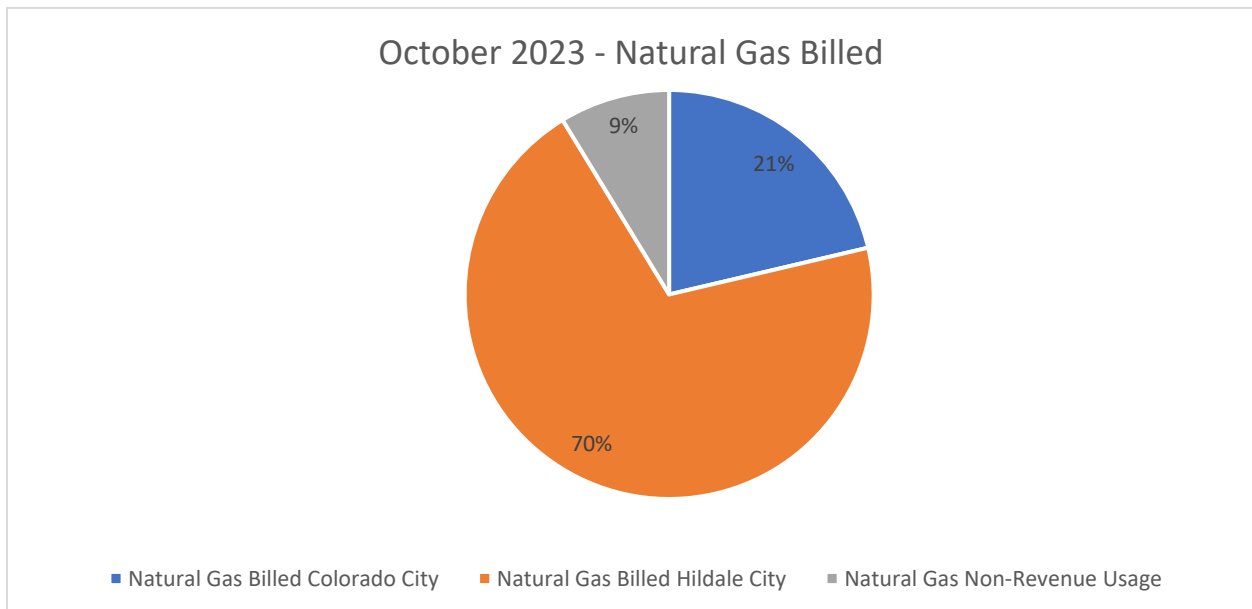


THE FOLLOWING GRAPHS FOR GAS AND WATER ARE NOT FULLY VETTED FOR ACCURACY. THEY ARE FOR FEEDBACK FROM THE COUNCILS TO DETERMINE IF MORE INFORMATION IS DESIRED.

Natural Gas billed to Colorado City and Hildale City customers for October 2023.

Description	Quantity Billed*	Number of Customers
Natural Gas Purchased	2,001,200	
Natural Gas Billed Colorado City	426,800	192
Natural Gas Billed Hildale City	1,399,800	311
Natural Gas Non-Revenue Usage	174,600	

*Numbers are in Corrected Cubic Feet (100 Corrected Cubic Feet = 1 Therm)





Sewer Operations:

The Utility Crew cleaned approximately 15,400 feet of sewer main line this month. With the addition of the Smart Cover, the alarm alerted staff several times this past month about increased flows in the sewer manhole in Centennial Park. Staff responded to the alarms before any overflows could occur.



Staff found Sewer Lift Station Pump #2 was not pumping as much as in the past due to wear on the impellers. Crews removed the pump and replaced it with a new pump which we had on standby.

Sewer Headworks Project

The Sewer Headworks Project has been delayed until the slide gates are delivered.



Water Operations:

The crew replaced a faulty check valve and a broken butterfly valve at the Water Treatment Plant. We also replaced a booster pump that had the motor fail that will be sent out to be repaired. Crews worked with Jones DeMille staff to locate the existing Utilities in preparation for the upcoming ARPA Raw Water Line Replacement and Well Project.

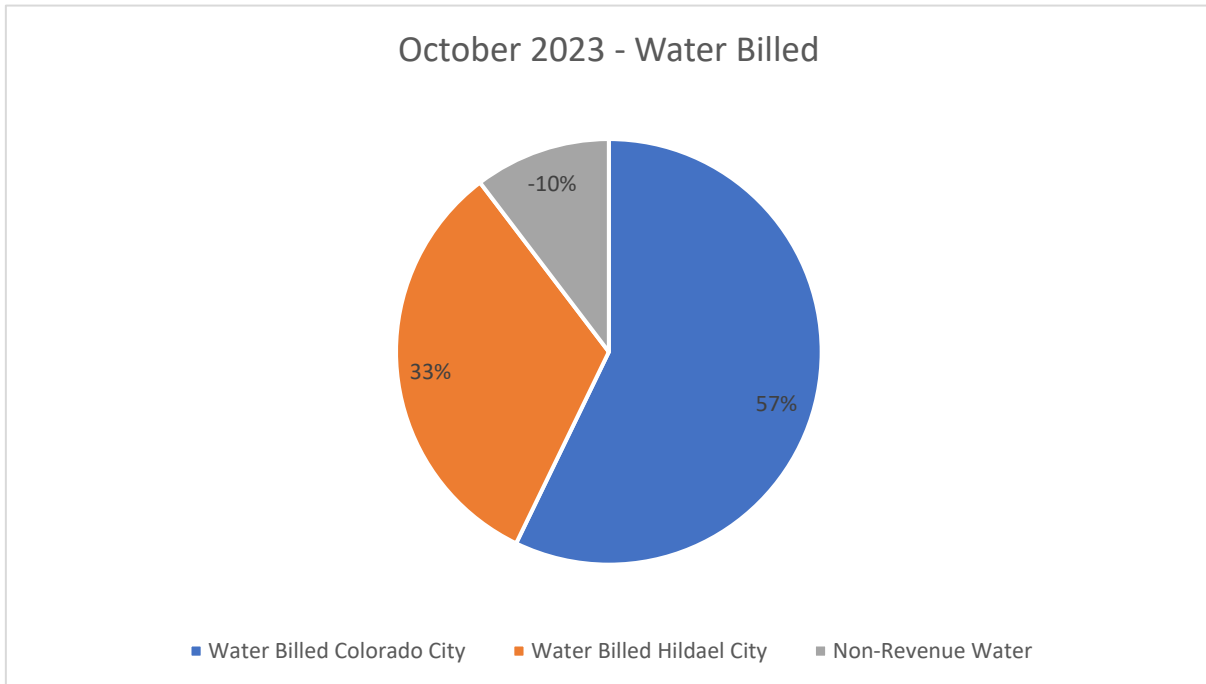




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Water billed to Colorado City and Hildale City customers for October 2023.

Description	Quantity Billed*	Number of Customers
Water Produced	21,246,000	
Water Billed Colorado City	15,320,000	781
Water Billed Hildale City	8,700,000	383
Non-Revenue Water	2,774,000	
*Numbers are in gallons		





Well 17 Drilling

Cluff Drilling has finished the drilling and casing on Well 17. Staff are getting quotes on the cost for a 24 hour pump test to see how much water the well will produce. Once the quantity of water the well can produce is determined, staff will order the pump and motor.

Grants and Administration:

Staff are working on permitting the Academy Well and Well 17. During a site visit and routine sampling of the community wells, DEQ informed us the two wells were not fully permitted and the communities will need to receive permits from the state agencies to use the wells for drinking water.

The Water Master Plan and the Impact Fee Study are vetted by staff and ready for discussion by the Utility Advisory Board and both City Councils.

The Rate Study, through the Rural Community Assistance Corporation (RCAC), is now substantially complete and will be available for discussion on the rate structure and timing of the increases in early 2024. The goal is to have the framework for the water rates in place for City Council adoption in 2024. The rate study is being prepared for the communities at no cost. The project is being funded through the United States Department of Agriculture – Rural Development (USDA-RD)

Staff have been working on design and cost for the installation of a Booster Pump Station to eliminate the low-pressure zone in the southwest portion of Hildale. The booster pumps will allow construction of buildings and provide increased fire flows for the area.

Staff are working with the Water Infrastructure Finance Authority (WIFA) Loan/Grant, for the maintenance of the 600,000 (6K) gallon and 800,000 (8K) gallon tank. The 6K tank needs to be taken out of service and the inside cleaned, painted and placed back in service. The 8K tank needs cathodic protection installed and the exterior cleaned and painted.



Work on the Mohave County American Recovery Plan Act (ARPA) Water Project is substantially designed and will include two (2) wells and a new raw water line from the new wells and eight (8) existing wells to the water treatment plant. The permits are ready for signature to begin the permitting process.

Staff is working on energy efficiency programs for the wells and treatment plant by installing Variable Frequency Drives (VFD), the investigation includes finding grants for the purchase and installation of the VFD's.

Utilities staff are researching the conversion of the current gas and water meter reading system with an updated version that will provide better service and reliability. The current system, Badger Meter, has discontinued the gas meter portion of the sales and moved the reading platform to a cloud application using a third-party vendor, Amazon. Staff recommend moving to a generic reading system that can be used on all existing meters. The price for conversion and the reading devices would be significantly cheaper than making a change to another meter and reading company. Once the costs have been received, a presentation and recommendation will be provided to the Board and Councils.