

# Water Theft

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**The Rattlesnake Ridge Water District has in their tariffs that any person or persons that steal water or damage the meter assembly in any way will be turned over to the County Attorney and that person or persons will be responsible for all cost including court cost.**

**From the Rattlesnake Ridge water District.**

# RATTLESNAKE RIDGE WATER DISTRICT

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# WATER AUDIT FOR 2019

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**THE Rattlesnake Ridge Water District does its annual water audit each year to determine the amount water that is sold to its customers and commercial users. The District also does a study on the unaccounted for water that is being lost in our system. The District keeps records of all the water that is used during flushing and known water leaks. The District is now in a project with Bluegrass engineering and USDA to do a complete meter change out and put in new Sensus I pearl meters that are extremely accurate even on very low flow. The district is also doing a service line replacement to replace the old original polybutylene service tubing, where we have had so many leaks and water loss. The district has zoned it's system and putting master meters in these zones to determine the amount of water going to each area to help us to determine our problem areas and to help us on water loss and theft of services. We do leak adjustments for customers, they are allowed two adjustments in a five year period. In 2019 the district produced 630,199,000 gallons of water and they sold, flushed and leaked due to known water leaks 355,705,594 gallons of water. The district lost 274,493,406 gallons of water due to un-known leaks and theft. The district billed out 186,697,624 gallons of water.**



February 27, 2020

Mr. W.C. Gilbert  
Rattlesnake Ridge Water District  
P.O. Box 475  
Grayson, Kentucky 41143

Re: Phase 12 – Water System Improvements

Dear Mr. Gilbert;

This letter is a synopsis of the above referenced project to address water loss within the Rattlesnake Ridge Water District. The items listed below are specific areas that were addressed by the District board that will have a positive impact on the system and improve the District's bottom line:

1. Replace outdated radio read meters with new Iperl radio read meters. The accuracy of old meters tend to read less and in some cases at a rate of five to ten percent lower. Included are additional reading devices that will allow personnel to obtain readings in a shorter time span, and thus create additional man hours to designate for water loss.
2. Replace seven hundred problematic service lines that were installed approximately 30 plus years ago that have created numerous problems for the District over the years.
3. Install approximately 14 master meters for the eleven pressure zones within the District's system. These meters will provide timely information as each master meter will have RTU's to relay readings to the office on a daily basis. In conjunction, the District is looking to code each meter per pressure zone to allow review of each zones water provided, per water sold. This will allow District personnel to look at each pressure zone individually for excessive usage on a monthly basis

This project is not only intended to reduce water loss, but to also reduce personnel man hours in some capacities, so that more time and energy can be spent by District personnel dedicated to executing a water loss plan.

If we need to discuss in detail further, please contact me at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read 'Riley Sumner', is written over a horizontal line.

Riley Sumner  
Project Manager

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