



# Pennyryle Area Development District

a regional planning and development agency

300 Hammond Drive, Hopkinsville, KY 42240

voice (270) 886-9484 fax (270) 886-3211

[www.peadd.org](http://www.peadd.org)

August 27, 2020

Dear Director,

This filing is being made in response to the data request for the Crittenden-Livingston AMR Meter Replacement Project, Case Number (2020-00232). As the project administrator, I am filing the information on behalf of the Crittenden-Livingston Water District. This information is being provided to the best of my knowledge based on the information I have obtained from the District. Please let me know should you need further information.

Sincerely,

Kyle Cunningham  
Infrastructure Coordinator  
[kyle.cunningham@ky.gov](mailto:kyle.cunningham@ky.gov)

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

APPLICATION OF CRITTENDEN-LIVINGSTON WATER )  
DISTRICT FOR AUTHORITY TO ENTER INTO A LOAN ) CASE NO. 2020-00232  
AGREEMENT WITH THE KENTUCKY )  
INFRASTRUCTURE AUTHORITY )

DATA REQUEST RESPONSE:

- 1.) The district expects to save money in numerous ways by changing out 1400 meters with AMR meters that will put the entire system on the same radio read system with the same brand of meter. In 2019, the district budgeted \$9,000 for the year with repair and maintenance cost of vehicles. Currently, reading meters takes the district approximately three weeks to read all 3,625 meters. Approximately 60 % of those are read electronically and the rest are still read manually. The district can cut the reading time for the entire system with two meter readers to one week. Having all AMR meters will greatly reduce the driving time and mileage. The new system will be more efficient in selecting new routes for the meter readers and they will be much further along each day reading meters as opposed to the manual reading, meaning they will have less travel time driving by driving back to their ending point the day before. Cutting the reading time from three weeks to one week will free up more personnel to perform other tasks. The maintenance cost of vehicles is estimated to be reduced by 20 %. Additionally, the district budgeted \$75,000 annually for the repair and maintenance of mains and old meters. The Superintendent informed me that the 1400 meters that he would like to replace are 10-20 years old and all need to be taken out and tested. Many of those manual meters have been tested and repaired twice in that time. He expects 50-75 % of them will read slow and inadequate for PSC standards. The repair cost of this would be about the same price as purchasing all new meters and replacement parts are hard to find. The district would like to have new AMR meters to better track the water usage and to provide better reports for their customers. Not only is the district expecting to save money as stated above, the district also hopes to significantly raise revenues.
  
- 2.) The district Superintendent stated that the 1400 manual read meters are 10-20 years old and need to be pulled and tested. As previously stated, he expects over half of them to need repairs. Having all of the same meters with AMR capabilities, the district will be much more efficient.

- 3.) The existing meters needing to be replaced have been fully depreciated. The meters were rated for 10-12 years and is the reason the district originally requested a shorter loan term through KIA instead of a 20 year term.