COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC INVESTIGATION)INTO EXCESSIVE WATER LOSS BY)KENTUCKY'S JURISDICTIONAL)WATER UTILITIES)

) CASE NO. 2019-00041

NOTICE OF FILING

1. In response to Ordering Paragraph 4 of the Kentucky Public Service Commission's July 1, 2019 Order in the above-referenced matter, Farmdale Water District ("Farmdale") hereby provides an analysis of the dollar value of its excessive water loss. Based on the 2018 annual report, Farmdale's excessive water loss cost the utility approximately **\$92,919** in 2018. The calculations are shown in Attachment 1.

2. Pursuant to Ordering Paragraph 2 of the Kentucky Public Service Commission's July 1, 2019 Order in the above-referenced matter, Farmdale hereby files the minutes from each board meeting from January 2018 through June 2019. The minutes are contained in Attachment 2.

3. Pursuant to Ordering Paragraph 3 of the Kentucky Public Service Commission's July 1, 2019 Order in the above-referenced matter, Farmdale filed on July 3, 2019 the Monthly Water Loss Report for May 2019. Monthly Water Loss Reports for January 2018 through April 2019 had previously been filed.

Dated: July 8, 2019

Respectfully submitted,

Damon R. Talley Stoll Keenon Ogden PLLC P.O. Box 150 Hodgenville, KY 42748-0150 Telephone: (270) 358-3187 Fax: (270) 358-9560 damon.talley@skofirm.com

Counsel for Farmdale Water District

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that Farmdale Water District's electronic filing of this Response is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on July 8, 2019; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that an original paper medium of this Response will be delivered to the Public Service Commission within two business days.

Wamm F. Jalley

Damon R. Talley

ATTACHMENT 1

Dollar Value of Excessive Water Loss

2018 water loss per 2018 annual report	30.17%
	-15.00%
Water loss in excess of 15%	15.17%
Gallons purchased in 2018 (omit 000's)	215,676
Water loss in excess of 15%	x 15.17%
Excessive purchased gallons lost (omit 000's)	32,718.05
Cost per 1,000 gallons FPB charges Farmdale	x \$2.84
Dollar value of excessive water loss	\$92,919.26

ATTACHMENT 2

Farmdale Water Board Meeting 01/05/2018

In attendance Clifford Toles, Yvonne Hill, Craig Blanton

A customer is here talking about a leak issue at the end of Hickory Ridge Rd.

Robert Tudor 502-229-4867 will he communicated with on his concerns about water leaks and repairs in his area.

We have created a spreadsheet to track every customer complaint about water service. It will be reviewed weekly.

Farmdale Water District 02/02/2018

In attendance Clifford Toles, Yvonne Hill, Craig Blanton

The Board is discussing hiring a replacement as David Robinson as he has notified us he is near retirement.

We are searching for an in-depth comprehensive job description.

Continuing efforts to find water leaks throughout the district. Looking for a company that tracks and finds leaks also if there is affordable technology for us to do it ourselves.

Board expressed our thoughts and prayers for David's wife.

Farmdale Water Board Meeting 03/02/2018 In attendance Clifford Toles, Yvonne Hill, Craig Blanton, Joe Grider

The major leak is still plaguing the water district. Water loss is around 35%

Inspection of the Highwood Dr water tank has occurred. Awaiting the report Reviewed the report on the water tank from the Pittsburg Tank and Tower Group. This report concerns the water tank located at 100 Highwood Dr.

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Iron Drive suspected leak search has been completed. Nothing found.

No other reports from customers

Several small water leaks were found and repaired adjourned

Farmdale Water Board Meeting 04/06/2018 In attendance Clifford Toles, Yvonne Hill, Craig Blanton, Joe Grider

David Robinson found approximately 150,000 Gallon per day leak near the US 127 and the Anderson County line. Estimate loss for the leak is 4.65 million gallons per month.

Met with Judge Executive Wells, Robert Hewitt, and Jon Mitchell on several issues on Iron Dr and Green Wilson Rd. We also toured Greasy Creek, South Benson, and Old Lawrenceburg Rd to seek their help on creek wash out issues.

John Rockaway is meeting with us to set approximately 52 meters in his Suburban Mobile Home park.

Reviewed the report on the water tank from the Pittsburg Tank and Tower Group. This report concerns the water tank located at 100 Highwood Dr.

David Robinson will seek a price from them to perform all recommendations. Adjourned

Roberts Stone Products

FWD 05-03-2018

In attendance Clifford Toles, Yvonne Hill, Craig Blanton, Eugene Moore and Tony Paleri

Talking to Eugene Moore about being hired to work for Farmdale Water District.

Discussing a vault replacement at Stewart Home School. The current one is caving in and in need of repair.

The water line project on Old Lawrenceburg Road has been completed. The County Judge and Planning Director have been notified of the completion.

We are discussing the trailer park on Jones lane project. The owner is putting each mobile home on its own water meter. Approximately 56 customers will be added. David Robinson will be consulting only on the project to make sure it meets our standards.

After repairing the water line leak on US 127, our water percentage lose from February 2018 to March 2018 dropped from 35.4% to 14.9%.

Tank inspection next to office is completed. Repair costs to fix noted potential issues are estimated at \$160,000. This will take care of all noted issues. Being discussed by Board.

Motion made to complete all critical and OSHA related repairs along with a few others. Our intent is to complete all noted issue over several years. Passed.

Farmdale Water District 6-1-2018

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In attendance Clifford Toles, Yvonne Hill, Craig Blanton, David Harrod and Kenny Blackwell Bryan Armstrong started training today.

David and Kenny will be discussing our audit

Water loss jumped to 20.3%. Clifford and Craig will drive around the district looking for leaks but the constant rain makes it hard to find them.

The USDA payment of Loan 91-01-\$24,835.93 and Loan 91-02-\$2,804.68 will be automatically withdrawn on July 1, 2018.

Ricky Welch received a compliment from a customer in Huntington Wood resident Courtney Skaggs for his prompt service and great attitude while working.

Special Meeting Farmdale Water June 27, 2018

In attendance Clifford Toles, Yvonne Hill, Craig Blanton, David Robinson

Meeting concerning a letter received from the Public Service Commission concerning deficiencies in our operations.

- 1. Utility is not submitting its Quarterly Meter Reports
- 2. Utility is failing to operate it's facilities so as to provide adequate and safe service to its customers due to water loss exceeding 15%
- 3. Utility has not adopted or executed a safety program
- 1. Addressing #1, David handed the 1st quarterly report to Erin Donges while she was in the office doing her annual visit. He will be sending in the April, May, June 2018 at the end of June.
- 2. Noting this is from 2016, we knew there would be many water line breaks when the second tank went online. There were many repairs completed during the last year and one half. And we found one in March that was the whale leak we searched an extended period of time looking for it. We called Ky Rural Water looking for line breaks, valve leaks etc. We spent an excessive amount of time looking for these breaks. Finally finding it at the end of our line on US 127 near the Anderson county line. We continue daily looking for these leaks.
- 3. Farmdale has a safety policy and it was misfiled. We found and will forward a response to PSC for their records.

Farmdale Water Board 7/3/2018

In attendance Clifford Toles, Yvonne Hill, Craig Blanton, David Robinson, Tony Paleri, Kenny Odle from HMB

Kerry Odle is doing a follow up on our water line projects for HMB. He is wanting to learn what went well and what didn't.

Fire Hydrant report from Fire Chief Kevin Hutcherson. Speaking with Tony Paleri of BP Pipeline about completing the repairs.

We discussed adding valves in the areas on the list to help segregate different sections of neighborhoods so an entire neighborhood isn't shut off to do one repair.

We will putting in cut off valves in the areas that will be repairing the fire hydrants.

Clifford and David will be coming up with a plan to repair or replace plus other modifications.

We met with BP Pipeline to get this project started today and will be starting today to create the plan. Today's meeting minutes will be sent to County Judge Executive Huston Well to inform him of our next steps

Discussed the Jim Nickel request to move a water line so his daughter can build her house. We determined they will need to give a new easement to Farmdale Water for the line to be moved. The costs of any movement will have to be born by Jim Nickels daughter.

Farmdale Water District 100 HIGHWOOD DRIVE FRANKFORT, KENTUCKY 40601

COMMISSIONERS: CLIFFORD TOLES, CHAIRMAN YVONNE HILL, TREASURER CRAIG BLANTON, SECRETARY TELEPHONE (502) 223-3562 FAX: (502) 352-2999 www.farmdalewaterdistrict.com

July 6,2018

Special Meeting

Board of Commissioners

Present: Clifford Toles, Chairman; Craig Blanton, Secretary; Yvonne Hill-Poole, Treasurer; and Jan Sanders, Office Manager

Ms. Sanders brought to the attention of the Board that the Frankfort Plant Board will be increasing water rates effective July 26,2018. The KRA fee will be increased from .20 to .29 per 1,000 gallons of water. After calculations the increase to our customers will be .14 per 1,000 gallons. Our increase will be effective on or after August 1,2018.

Adjourned

Farmdale Water Board 07/11/2018

In attendance, Clifford Toles, Yvonne Hill, Craig Blanton, David Robinson, and Tony Paleri June water loss dropped to a record low 8.6%, great news after more water leaks were found and repaired. Craig will contact Judge Wells and Magistrate Booth about this exciting news. We expect water loss to rise as we replace/repair fire hydrants and draining of the water lines to perform the repairs.

We are discussing the fire hydrant replacement process and repairing our old water pump station as a backup to our new water pump.

David Robinson reports if we purchase the valves for our old pump station, Frankfort Plant Board will install for the FWD. The Farmdale Water Board voted to complete this project.

Fire Hydrants – We will be making the repairs/changes per the list supplied by the County Fire Chief. We will also be adding valves throughout the district. We will be making these repairs for long term solutions, not low cost and have to repair it every 5 years.

We will also be adding cut off valves throughout the system. These valve will allow a small area to be shut off instead of entire neighborhoods during a water line break. This is a long term repair process. This project will start Monday July 16, 2018.

Farmdale Water District August 3rd 2018 In attendance Clifford Toles, Yvonne Hills, Craig Blanton Tony Paleri Jr,

Paleri Jr, Came with a quote for the Jim Nichols water line move for his daughters new house. Mr. Nichols is supposed to sign a new right of way form before any work is performed. The estimate is \$12,490.

Progress is continuing on fire hydrant repairs and new valve installations.

Chuck Moore has requested a fire hydrant at his home. An estimate is being worked on for him.

Water loss for June 2018 is 8.6% Water loss for July is 15.2% Two good months

We will contact Greg Butler, Republic Industries about partnering on a water project for US 151, 8" water line.

9/6/2018 Farmdale Water District

In attendance: Clifford Toles, Yvonne Hill, Craig Blanton, Joe Grider, Brian Armstrong. Jeff Reynolds, Tony Paleri Jr.

Clifford mentioned a water leak at the intersection of Highwood and Caldwell Ln. Brian will be applying the listening device to determine the area to determine the exact location of the leak. Then the repair will be completed.

The Edgewood subdivision water leak was repaired.

Staff had dug up the line and determined there wasn't a break. Again, we attributed the running water to the constant rain. Later went back and dug above the know water line and discovered a second water line 3 feet above the meter towards the home. Made the repair.

There are constant leak repairs in the Edgewood subdivision. Craig asked if the FWD installed the Edgewood subdivision water lines. The Farmdale Water District did not install those lines

Water loss for August was 8.7%. Great news!

Board reviewed applications for vacant office staff position. Board agrees to hire Yvonne Hill for the office staff position.

Board met with HMB to discuss the Green Wilson water improvement project.

9/18/2018 Farmdale Water District In attendance: Clifford Toles, Craig Blanton

Met to discuss getting a Farmdale Water District Credit Card. The card is needed to make immediate purchases for the benefit of the Water District.

For segregation of duties pertaining to the credit card, Yvonne will make the purchases and Jan will prepare all payment documents for the card. Clifford Toles or our new Treasurer when appointed will review the monthly bill and sign off that all purchases are valid before payment is made by Jan. There will be no deviance from this policy.

Passed

Adjourned

October 5, 2018 Farmdale Water District

In attendance Clifford Toles, Craig Blanton, Richard Tanner Brian Armstrong Tony Paleri Jr and Tony Paleri Sr, Both of BP Pipeline, Jeff Reynolds, HMB

Kentucky Operator Certification Program. Brian Armstrong will be attending the 3 day course Dec 11-14 at Lake Barkley. Motion made and approved.

Water loss for the month of September is 40.9%. Perplexed because no one has notified Brian of any water leaks.

No customer complaints or questions

Farmadale Water is putting an ad in the Lexington Herald Request for Qualifications for our future project.

This RFQ document has been emailed to the Farmdale email address so it can be sent to the Lexington Herald.

10/15/2018 Farmdale Special Meeting

Clifford Toles, Craig Blanton, Richard Tanner

Board approve Richard Tanner as our new Treasurer and approves all responsibilities and fiduciary responsibilities and associated duties.

Adjourned

10/18/2018 Farmdale Water Board Meeting

In attendance Clifford Toles, Craig Blanton, Richard Tanner, Brian Armstrong, John Rockaway, Tony Paleri, Jeff Reynolds

To discuss the Suburban Mobile Home water project. At completion, it will add 40 to 50 new individual customers.

Jeff Reynolds says he has verbal approval from the Division of Water. But nothing in writing yet.

-Mr. Rockaway indicates his residents will be responsible for the Farmdale Water District billing deposit. Tap on fee is \$1,132 per meter location.

Mr. Rockaway will pay the Farmdale Water District the tap on fee per meter.

Stainless steel tapping saddle will be used.

The meter brand will be Sensus SR2 5/8" meter

This main line project, until it is turned over to Farmdale Water District, is only between Suburban LLC and BP Pipeline.

Farmdale Water Board Meeting 11/02/2018

In attendance Clifford Toles, Craig Blanton, Richard Tanner, Tony Palarie, Jeff Reynolds

Water loss for October dropped to 22.5%. Several leaks were found and repaired.

Repairs and upgrades are progressing along Cardwell lane, Highwood and the Edgewood subdivision.

Suburban Trailer Park owner is still working with his bank on financing to start the project

The Evergreen Rd, Cardwell Ln, and Highwood projects should be completed the November 9 week. This will allow us to segregate these areas without having to cut them all off for a single repair.

We are discussing the GPS coordinate marking system continuing on all our projects

RFQs for Engineer selection process for the Green Wilson/KY151/US 127 project were submitted sometime last month.

A citizen complaint was filed concerning Ricky Welch driving on Louisville Rd while on his cell phone. The citizen took two photos of him driving around 35 mph in the left lane on a 55 mph road. Traffic was backed up causing concern to the citizen. The citizen called Clifford Toles and Brian Armstrong to voice the complaint and the photos were sent to Brian Armstrong.

The Board voted to put Ricky Welch on probation for 6 months and to have him enter location/address, arrival and departure times on a form Probation starts November 2, 2018.

The Board had a verbal conversation with Ricky Welch concerning the complaint.

Farmdale Water District 12/12/2018

In attendance Clifford Toles, Richard Tanner, Craig Blanton

Motion made to add Richard Tanner to our Certificates of Deposits for financial purposes and management. Passed

Water loss jumped up to 34.5%.

Board expressed frustration among themselves on why these things keep occurring.

Clifford could not attend annual training due to a death in his immediate family.

Richard and Craig learned in the Annual training that other water districts have many more staff than we do. Several attendees were amazed we were able to operate successfully.

Carroll County water District told Richard and Craig about an app they have to perform customer notifications for Boil Water Advisories, billing reminders and other things. He gave Craig the contact number for the company that created their app.

Richard suggests we look into hiring more staff for the Office and Brian.

Right now our manager is in training with the Kentucky Division of Water.

Craig will contact Lewis Dixon of CDP/Mapsync to make a presentation to the Board on Jan. 4, 2019 about creating an app for customer notification and boil water advisories.

Put a notification on our facebook page to inform customers to bring their water bill in with their payment.

Add Craig Blanton to the Farmdale Water webpage access

Jan will send the entire sewer customer base to Allen Alsip for their information and to reduce the number of calls to the Water District.

We will be putting a notification on next months water bill to inform customers that the Farmdale Sanitation District is separate from the Farmdale Water District.

Craig will call the billing company to see about adding a different module for receipt printing and bill lookup when a customer doesn't have their bill.

Farmdale water District 01/04/2019

In attendance: Clifford Toles, Craig Blanton, Richard Tanner, Jeff Reynolds HMB

Met with Sheri Sebastian new D-1 magistrate

She introduced herself to the Board and discussed a customer complaint about a water repair being completed but the dirt not being dressed at completion of repair. She said she knew it was because of all the rain. The Board assured her that all water line repairs would have the dirt dressed as soon as the ground dries.

We discussed water loss issues and how hard they are to find in constant rainy weather. We told her it is a constant worry and they had recently creeped up to the 30% range again after previously low percentages.

The Board invited Magistrate Sebastian to any and all Board meetings. It was noted we had issued the same invitation to Former Magistrate Michael Turner and Current 5th District Magistrate Marti Booth.

The Board informed Magistrate Sebastian that Former Magistrate Turner had attended none of the meetings the Board could recall and Magistrate Booth had only attended one in their previous terms and we hoped both will attend often.

Meeting with CDP about creating a boil water advisory/notification app

Jeff Reynolds is here about the project for Green Wilson rd/127/old Lawrenceburg road project All submissions were collected for the project. HMB was the only one to turn in a packet. Jeff Reynold submitted a score to the board for completion.

Water loss for December 37.4%. We are continuing efforts.

Farmdale water 2/1/2019

In attendance Clifford Toles, Craig Blanton, Richard Tanner, Brian Armstrong, Tony Paleri BP Pipeline via cell phone, and Joe Grider HMB

Water loss is again bad. January saw 36.8% loss. We have had over 10" of rain in January making it difficult to perform known repairs.

We continue repairing and replacing fire hydrants in the Farmdale subdivision. We have had to drain their system of 6" lines several times and have discovered several leaks while performing the repairs.

Tony Paleri noted many of the leaks were from "patches" performed over the years. Tony indicated these patches are guaranteed to leak if the completed repair is not performed. Craig witnessed one in the Farmdale subdivision. Craig showed photo and video to the Board members of that leak. It is a clamp placed over the leaking line and tightened down. But Tony says those need to be dug up and new line put in place of the patched/broken line.

It took several hours to drain the 6" lines. Two pumps were employed to keep the water out of the hole. Craig asked Brian, on site, how do they account for the loss? Brian replied he does the math and estimate the water loss. Craig then asked about the meter's devices the FPB uses to see the real numbers of water usage when draining a line. Brian described what it is and Craig instructed him to purchase those meters so we would know exact amounts instead of estimates.

This is our first real clue as to why there are continual leaks throughout the Water District. We will be going through repair records to see where these patches were performed and target those lines for investigation.

Notification app is being created and the companies address is:

3250 blazer parkway

2nd floor

Lexington

This should be the best way to communicate with our customers. Currently, we use our website, Facebook page and forward the information to be posted to the Frankfort/Franklin County Emergency Management staff. This has worked to a degree, but the app will be our best way to communicate directly with customers.

We will check on error and omissions insurance for the board

Establish a new checking account via Richard Tanner's research.

He is reporting to the Board on his recommendation.

He has recommended Community Trust with approximately 2.5% interest rate and the money is FDIC insured.

Clifford signed the contract to have our fence repaired and gate replaced.

Richard Talked with David Harrod CPA about Jan pulling money from the money market account to the regular checking account. David said it was safe to perform this action. David will send a letter indicating his approval.

Bluegrass fiber and Farmdale Water Board have agreed to allow them to hang an Internet antenna on our 100 Highwood Water tower. The contract will stipulate \$100 per month and as the customer base exceeds 100, we will get \$1 for each addition customer.

Farmdale Water Board 3/14/2019 Special Meeting

In attendance, Clifford Toles, Craig Blanton, Richard Tanner, and Brian Armstrong

We are meeting to discuss to fulfill the requirements of a Public Service Commission case number 2019-00041, dated March 12, 2019

There are 45 questions needed replies from FWD.

Discussed hiring more staff for the office since unfortunately Yvonne Hill entered the hospital for an injury.

Also hiring more staff for Brian to utilize away from the office.

Instructed Jan to put advertisements into the State Journal for those previously mentioned positions.

Farmdale Water District Regular Board Meeting May 3, 2019 Minutes

The meeting was called to order at 9:00 a.m. by Chairman, Clifford Toles.

Staff Present:

Richard Tanner Brian Clifford Toles, Chairman

Public Comments:

Mary Baxter 109 Harvest Moon Court (502-229-8164) Frankfort, Kentucky 40601

David Sharp 109 Harvest Moon Court (502-319-5351 Frankfort, Kentucky 40601

• Ms. Baxter and Mr. Sharp came before the Board requesting to lower main water lines to extend their driveway.

Wants estimated cost to fix drainage to complete their request.

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• Richard agreed to go and check it out.

Discussion

- 2 broken bore heads
- Bought 47,000 gallons water
- 2,744 water meters
- Water leaks
- Call Before you dig Service
- Farm dale not a member of "BUD"
- 3" Service lines
- David (contract work)
- Hydrant replacement
- Future plans (replace/fix)
- Fix leaks (priority for now)
- Farm dale 28%water loss not 35%
- Training Jamie (newest employee)

- Reviewed water district (pipes) map
- Need septic system (lilac)
- Fire protection

With there being no further business, the May 3rd 2019 board meeting was adjourned by Mr. Chairman and seconded by Mr. Tanner.

Clifford Toles, Chairman

Farmdale Water June 6, 2019

John Rockaway, trailer park owner

Ferguson water works is here to do a Master meter brand presentation.

Meeting with talk about insurance and excavating

Trailer park at Jones Lane.

Parts are on order according to Tony Paleri and the mobile home park property owner

Pipe is going in in approximately two weeks

3 Blow offs will be added and steel casing across the road

Farmdale water meter setting is being determined who will set them.

Meters are \$1,132 per for ¾ meters plus deposit

\$400 per setter and the bore across the road will be \$200.

Motion made for BP Pipeline to install Meter Box, setter, Stainless saddles for water tap. Approved BP Pipeline is providing a one year warranty on all work at the Jones Lane Trailer Park. After the initial year, Farmdale Water District takes over ownership.

There will be 52 setters, corp pipe, stainless saddles, radios etc.

Mr Rockaway will be paying the costs to Farmdale water district via a check for \$58,864 for the meters within a week then FWD will order the material to complete the job.

FWD will be doing an easement for water line repairs for 15 feet from the center of the water line. The deposit for each tap is \$60.

Chris Boyd and Daniel Stamps are he from Ferguson Water services to demo a water meter, Master Meter.

We will receive a bid from Ferguson Water Works for for the meters for the Jones Lane Tailer project in the next day or two

Yvonne Pool will be receiving a raise of \$1.78 per hour effective June 10, 2018 Jan will be receiving a raise over \$2.15 per hour effective June 10, 2018

Clifford is signing an "agreement between owner (Farmdale Water District) and engineering for professional services" with HMB.

Board noted we have used Ky Rural Water Association in the past to help with leaks in the past and will reach out to them again for help

We will be putting an ad in the local paper to hire an experienced heavy equipment operator as an additional staff and if needed another down the road.

We have received information on Ground Penetrating Radar and drone thermal technology to detect leaks.

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We will be looking to purchase a small 6,000-7000 lb trackhoe