

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

**ELECTRONIC FARMDALE WATER )**  
**DISTRICT'S UNACCOUNTED-FOR ) CASE NO. 2020-00217**  
**WATER LOSS REDUCTION PLAN, )**  
**SURCHARGE AND MONITORING )**

**RESPONSE OF**  
**FARMDALE WATER DISTRICT**  
**TO**  
**COMMISSION STAFF'S THIRD REQUEST FOR INFORMATION**  
**DATED MAY 8, 2024**

**FILED: May 24, 2024**

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

**ELECTRONIC FARMDALE WATER            )**  
**DISTRICT’S UNACCOUNTED-FOR        ) CASE NO. 2020-00217**  
**WATER LOSS REDUCTION PLAN,        )**  
**SURCHARGE AND MONITORING         )**

**RESPONSE OF FARMDALE WATER DISTRICT  
TO COMMISSION STAFF’S THIRD  
REQUEST FOR INFORMATION**

Comes Farmdale Water District (the “District”) for its Response to Commission Staff’s Third Request for Information, and states as shown on the following pages.



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Damon R. Talley  
Felisa S. Moore  
Stoll Keenon Ogden PLLC  
300 West Vine Street, Suite 2100  
Lexington, Kentucky 40507-1801  
Telephone: (859) 231-3039  
Fax: (859) 253-1093  
damon.talley@skofirm.com  
felisa.moore@skofirm.com  
*Counsel for Farmdale Water District*

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**

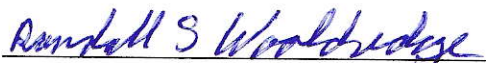
**In the Matter of:**

<b>ELECTRONIC FARMDALE WATER</b>	)	
<b>DISTRICT'S UNACCOUNTED-FOR</b>	)	<b>CASE NO. 2020-00217</b>
<b>WATER LOSS REDUCTION PLAN,</b>	)	
<b>SURCHARGE AND MONITORING</b>	)	

**CERTIFICATION OF RESPONSE OF FARMDALE  
WATER DISTRICT TO COMMISSION STAFF'S THIRD REQUEST  
FOR INFORMATION**

This is to certify that I have supervised the preparation of Farmdale Water District's Responses to Commission Staff's Third Request for Information. The response submitted on behalf of Farmdale Water District is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.

Date: May 24, 2024

  
\_\_\_\_\_  
Randall S. Wooldridge, Chairman  
Farmdale Water District

**VERIFICATION**

**COMMONWEALTH OF KENTUCKY** )  
 ) **SS:**  
**COUNTY OF FRANKLIN** )

The undersigned, Chris Ralph, being duly sworn, deposes and states that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge, and belief.

*Chris Ralph*  
\_\_\_\_\_  
Chris Ralph  
Manager of Field Operations  
Farmdale Water District

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 24th day of May 2024.

*Yvonne Poole*  
\_\_\_\_\_  
Notary Public

My Commission Expires: June 3, 2025

Notary KYNP30763 ID:

## CERTIFICATE OF SERVICE

In accordance with the Commission's Order of July 22, 2021 in Case No. 2020-00085 (Electronic Emergency Docket Related to the Novel Coronavirus COVID-19), this is to certify that the electronic filing has been transmitted to the Commission on May 24, 2024; and that there are currently no parties in this proceeding that the Commission has excused from participation by electronic means.



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Damon R. Talley

**FARMDALE WATER DISTRICT**

**CASE NO. 2020-00217**

**Response to Commission Staff's Third Request for Information**

**Question No. 1**

**Responding Witness: Randall S. Wooldridge and Chris Ralph**

- Q-1. Refer to the Qualified Infrastructure Improvement Plan (QIIP) filed on February 29, 2024.**
- a. Refer to completed Projects and Purchases, Section 1, The South Benson Project, pages 3-4. Provide a timeline of when the repairs for the South Benson Project were performed.**
  - b. Refer to Completed Projects and Purchases, Section 3, Repair of Water Leaks, page 5. Provide the location, description of the two significant leaks and what action was taken to repair those leaks.**
  - c. Refer to Completed Projects and Purchases, Section 4, Removal of Inactive Meters, page 5.**
    - (1) Provide a list of how many meters have been replaced each month during calendar years 2022 and 2023.**
    - (2) Provide the list of known inactive meters in the process of being pulled, and the timeframe in which those meters will be pulled.**
  - d. Refer to Completed Projects and Purchases, Section 6, Purchase of Equipment to Locate Leaks and Maintain System, page 6.**
    - (1) Provide the make and model of the Ground Penetrating Radar purchased and any supporting documentation or invoice related to the acquisition of the equipment.**

- (2) Provide the make and model of the Mini-Excavator. Explain the necessity of the purchase of the Mini-Excavator, and what projects it has been used for since purchase.**
- (3) Provide the make and model of the truck purchased for \$14,187. Explain the necessity of the purchase of the truck. Confirm whether this vehicle is used exclusively for the purpose of leak detection and repairs, or if the truck is used for other functions.**
- (4) Describe the trailer purchased for \$7,100. Explain the necessity of the purchase of the trailer and what projects it has been used for since purchase.**

**A-1a.** Farmdale District placed the South Benson Project for bid on January 20, 2022. Work on the project took place in the spring and summer of 2022, and included boring under South Benson Road and transferring customer service lines from a leaky 3-inch distribution line to a newer 6-inch water distribution line. Originally, Farmdale District believed there to be approximately 18 service lines in need of replacement, but once the project was underway, additional service lines were discovered in the area that also needed to be transferred to the newer 6-inch line. More than 30 service lines were transferred to newer 6-inch line. The Project was completed in August of 2022. Most of the cost related to this Project was paid for by a grant from the Franklin County Fiscal Court. However, Farmdale District is seeking to be reimbursed from Surcharge Funds for the costs not covered by the grant. On September 2, 2022, Farmdale District filed a motion to this effect into the

record of this proceeding. The motion stated that in addition to seeking reimbursement for **\$8,350.00** for engineering services and **\$220.00** for the cost of advertising the project for bids, that Farmdale District would seek reimbursement following project completion for other project costs occurring due to change orders. The final construction costs for this project were \$107,181.69. Farmdale District is seeking to be reimbursed **\$15,751.69** in connection with the South Benson Project as shown below. Attached to this Response in **Attachment 1a** are invoices documenting these expenses and confirming the grant.

\$ 8,350.00	Engineering Services
220.00	Advertising for Bids
<u>7,181.69</u>	<u>Construction Overrun</u>
<b>\$ 15,757.69</b>	<b>Total</b>

**A-1b.** On November 7, 2023, Farmdale District was notified of a suspected large leak in its system at 1115 Johnson Road. A hunter discovered water from an unknown source running into a creek in the woods. Farmdale District located a leaking 6-inch AC line and repaired the line. The crew dug up the leaking line and applied a 6-inch stainless steel repair band to the pipe. It is unknown how long this leak existed because it was located in a remote area and the water ran into a creek.

On December 14, 2023, Farmdale District received a report of significant standing water at 2273 Highway 151 on property owned by Benson Valley Landfill.



This was subsequent to a report of high water usage by the landfill. Farmdale District personnel and landfill personnel had been investigating the cause of the high usage and the standing water was discovered by landfill personnel. At one time a residence stood on the property and when the home was demolished the water meter was not removed. Farmdale District cut and capped the PVC water line and removed the water meter. It is unknown how long the leak existed because the meter was not in use and the area in which it was located was not frequented often by landfill personnel.

**A-1c (1).** A table showing the meters replaced in each month of 2002 and 2023 appears as **Attachment 1c-1** following this Response. In 2022 a total of 192 meters were replaced and in 2023 256 meters were replaced.

**A-1c (2).** A list of meters to be removed from Farmdale District's system is attached to this Response as **Attachment 1c-2**. There are more than 60 meters to be pulled from Farmdale District's system and Farmdale District expects to have all of these meters removed by the end of June 2024.

**A-1d (1).** The Ground Penetrating Radar is a Sensors & Software (make) LMX100-GPR (model). The invoice is included as **Attachment 1d-1**. Farmdale

District is seeking to recover the **\$16,290.00** cost of this device from Surcharge Funds.

**A-1d (2).** The mini-excavator is a Case (make) CX37C (model) excavator. An invoice is attached to this Response as **Attachment 1d-2**. Farmdale District needs this piece of equipment to perform excavation related to leak repair and surface restoration following leak repair. This equipment is used several times each week. It is used to set fire hydrants, excavate leaking pipe, restore yards and other areas following repairs, and in excavation related to valve replacement. This equipment was used in the repair of the major leak located in the woods off Johnson Road in November 2023. Without this equipment and the truck and trailer used to haul it Farmdale District would have had to hire a contractor to do the excavation and restoration. Farmdale District is **not** seeking to recover the cost of this equipment from Surcharge Funds.

**A-1d (3).** The truck is a 2011 Ford (make) F250 (model). An invoice for the purchase is attached to this response as **Attachment 1d-3**. This truck is used daily in all aspects of Farmdale District's field operations. It is used in leak detection and repair, as well as service installation. The truck has a service bed for tool storage,

and it is used to pull the trailer that hauls the mini excavator to work sites. Farmdale district is **not** seeking to recover the cost of the truck from Surcharge Funds.

**A-1d (4).** The trailer purchased in October 2023 is a dual axel, flat-bed, 7-foot x 18-foot trailer with removable ramps. An invoice for the purchase of the trailer and photographs are attached to this Response as **Attachment 1d-4**. The trailer is used every time the excavator is used because the trailer is used to haul the excavator to the work site. The trailer has been used multiple times each week since its purchase including during the repair of the leak along Johnson Road in November 2023. Farmdale District is **not** seeking to recover the cost of the trailer from Surcharge Funds.

**Note:** Farmdale District is seeking reimbursement from the Surcharge Funds for the Ground Penetrating Radar listed in the response to Item 1d(1). Farmdale District is no longer seeking reimbursement from the Surcharge Funds for the purchase of the other three (3) pieces of equipment (mini-excavator, 2011 Ford truck, and the trailer) listed in Items 1d(2), (3), and (4). Farmdale District has been successful in getting KIA to reallocate the Cleaner Water Grant 22CWW024 in the amount of \$113,084 so the grant funds can be used to reimburse Farmdale District for the purchase of these three (3) pieces of equipment. The balance of the grant funds will be used to purchase meters. Originally, Farmdale District thought that it

would need to be reimbursed for the purchase of these three (3) items of equipment from the Surcharge Funds. Since the QIIP was prepared and filed with the Commission, however, Farmdale District has learned that its request to reallocate the Cleaner Water Grant has been approved. It has submitted a reimbursement request to KIA for **\$75,224.75** for the purchase of these three (3) items of equipment.

# Attachment 1a

HMB PROFESSIONAL ENGINEERS, INC.  
3 HMB CIRCLE  
FRANKFORT, KENTUCKY 40601  
(502) 695-9800

STATEMENT OF ENGINEERING SERVICES

Mr. Clifford Toles  
Farmdale Water District  
100 Highwood  
Frankfort, KY 40601

Farmdale Water District Continuing Services  
HMB Project No. 4328.00  
February 16, 2022  
Invoice No. 1

PAID  
3-9-22  
CK#  
1781

**Scope of Services**

Professional Engineering Services related to Farmdale Water District Continuing Services through February 12, 2022.

**002 Project Profile**

CAD Technician	2.0	hours @	\$110.00	\$	220.00
Subtotal	2.0			\$	220.00

**003 South Benson**

Senior Design Engineer	29.0	hours @	\$195.00	\$	5,655.00
CAD Technician	22.5	hours @	\$110.00	\$	2,475.00
Subtotal	51.5			\$	8,130.00

**TOTAL AMOUNT DUE (Payable Upon Receipt)** \$ 8,350.00

For Internal Use Only

KYEN: \$ 8,350.00

# Advertising Invoice

FRANKFORT NEWSMEDIA, LLC  
PO BOX 947  
COLUMBIANA, AL 35051  
(502) 871-4559

FARMDALE WATER DISTRICT  
100 HIGHWOOD DRIVE  
FRANKFORT KY 40601

Acct #: 244073  
Date: 1/5/2022  
Ad #: 1374860

*Sarah Benson*

Notes: SEE AD NOTES

DESCRIPTION	START	STOP	INSERTS	AMOUNT
BIDS	1/5/2022	1/5/2022	1	220.00

 **PAID**  
*1-26-22*  
*CK # 1681*

Total: \$220.00  
Tax: \$0.00  
Net: \$220.00  
Paid: \$0.00

Total Due: \$220.00

### Contractor's Application for Payment No. 1

Application Period: 6/01/2020 - 7/15/2020	Application Date: 7/15/2022	
To (Owner): Farmdale Water District	From (Contractor): B.P. Pipeline	Via (Engineer): HMB Professional Engineers, Inc.
Project: South Benson Service Line	Contract: South Benson Service Line	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.: 4328

**Application For Payment  
Change Order Summary**

Number	Additions	Deductions
1	\$14,330.00	
2	\$12,375.00	
3	\$26,776.69	
<b>TOTALS</b>	<b>\$53,481.69</b>	
<b>NET CHANGE BY CHANGE ORDERS</b>		<b>\$53,481.69</b>

1. ORIGINAL CONTRACT PRICE.....	\$	\$53,700.00
2. Net change by Change Orders.....	\$	\$53,481.69
3. Current Contract Price (Line 1 ± 2).....	\$	\$107,181.69
4. TOTAL COMPLETED AND STORED TO DATE (Column F total on Progress Estimates).....	\$	\$107,181.69
5. RETAINAGE:		
a. 5% X <input type="checkbox"/> Work Completed.....	\$	
b. 5% X <input checked="" type="checkbox"/> Stored Material.....	\$	
c. Total Retainage (Line 5.a + Line 5.b).....	\$	
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5.c).....	\$	\$107,181.69
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$	
8. AMOUNT DUE THIS APPLICATION.....	\$	\$107,181.69
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G total on Progress Estimates + Line 5.c above).....	\$	

**Contractor's Certification**

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all Liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such Liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

**Contractor Signature**

By: <u>Amy Palanis</u>	Date: 8/19/2022
------------------------	-----------------

Payment of:	\$	<u>107,181.69</u>	
			(Line 8 or other - attach explanation of the other amount)
is recommended by:		<u>[Signature]</u>	<u>8/23/22</u> (Date)
		(Engineer)	
Payment of:	\$	<u>107,181.69</u>	
			(Line 8 or other - attach explanation of the other amount)
is approved by:		<u>[Signature]</u>	<u>8/23/22</u> (Date)
		(Owner)	
Approved by:			
		Funding or Financing Entity (if applicable)	(Date)





# Franklin County Fiscal Court

321 West Main Street  
Frankfort, KY 40601

**Huston Wells**

*Franklin County Judge/Executive*

January 21, 2022

Clifford Toles, Chairman  
Farmdale Water District  
100 Highwood Drive  
Frankfort, KY 40601

Dear Mr. Toles,

Congratulations. On January 20, 2022, Franklin County Fiscal Court voted in favor of a grant, not to exceed an amount of \$100,000.00, to the Farmdale Water District to assist with Project # WX21073028 in the Farmdale Water District service area. Drawdowns for this grant will be pending receipt of final Kentucky Clearinghouse review.

Attached please find a disbursement form for making drawdown requests of the grant as costs are incurred. Please submit invoices and other pertinent documentation with the draw requests after those have been approved for payment by the Water District Board. Please submit cancelled checks for the presented invoices to either Attn: Ann Northcutt, 321 West Main Street, Frankfort, KY 40601 or [ann.northcutt@franklincounty.ky.gov](mailto:ann.northcutt@franklincounty.ky.gov).

Thank you for your efforts in the Farmdale area toward reliable services for Franklin County citizens. We look forward to working with you on your goal.

Sincerely,

Huston Wells  
Franklin County Judge Executive



# Attachment 1c-1

### Meters Installed 2022 and 2023

<b>2022</b>		<b>2023</b>	
January	9	January	15
February	11	February	22
March	20	March	20
April	11	April	15
May	21	May	19
June	16	June	18
July	17	July	34
August	15	August	23
September	21	September	29
October	19	October	18
November	22	November	17
December	10	December	23
<b>Total</b>	<b>192</b>	<b>Total</b>	<b>256</b>

# Attachment 1c-2

Inactive meter pull list		
Account #	Address	Meter #
	107 Brookfield	74956421
	Green Wilson (greenhouse)	74957967
	765 Green Wilson	74958238
	805 Green Wilson	74958237
	1005 Green Wilson (torn down)	74957527
	1870 Green Wilson	74956602
	203 Cherry Lane	74956537
	55 Old Hwy 151 Loop 1 (BFI)	74958606
	1423 Hw 151 (burst)	74958550
	1501 Hickory Ridge	74958580
	1770 Hwy 151	74958625
	2273 Hwy 151 (BFI)	74958626
	Wilderness Loop Meter 2	72411908
	1240 South Benson	74957113
	1170 Evergreen	89674190
	989 Avenstoke	74958409
	125 East St Trailer	74957216
	2441 Evergreen Rd	636340
	126 Cherrywood	74957845
	2326 Cardwell lane	74957777
	1470 Cardwell Ln	74956913
	115 Lynnwood	92301988
	13 Demerson Ln	749585985
	4848 U.S. 127	74958651
	3795 U.S. 127	4353992
	3635 U.S. 127	74957071
	420 Erin Way	74957093
	2951 Lawrenceburg Rd	74957069
	100 Jones Lane	74957063
	Turning Leaf (jones Ln)	74957096
	3395 U.S. 127	74957080
	210 Hahn Unit B	74957048
	2521 Lawrenceburg Rd (sprinkler)	42882627
	1241 Old Lawrenceburg Rd	74957067
	1459 Old Lawrenceburg Rd	74957001
	1248 Old Lawrenceburg Rd	74957003
	593 Old Lawrenceburg Rd	74958116
	659 Old Lawrenceburg Rd	74957053
	701 Johnson Rd (farm)	4460995
	121 Big Eddy Rd	74958142
	247 Big Eddy Rd	74958077
	229 Big Eddy Rd	74958206

	221 Big Eddy Rd	74956988
	200 Big Eddy Rd	74956985
	35 Ninevah Rd	74958135
	1458 Ninevah Rd	74958057
	1449 Ninevah Rd (Lot 4)	74958094
	1451 Ninevah Rd	74958096
	1491 Ninevah Rd	74302594
	1449 Ninevah Rd	74958075
	3284 Ninevah Rd	74957364
	3594 Ninevah Rd	74957366
	Parker-Ninevah Rd	5612489
	269 River Valley Rd	88404542
	409 Hanks Ln	74957414
	718 Wash Rd	4737535
	933 Mills Ln	74957403
	Mills Ln-Barn #2	72643393
	5170 Lawrenceburg Rd (1")	75379610
	Mills(black Barn)	74956912
	100 Twi Oaks Circle (1")	83206296
	1205 Benson Valley	89826210
	1800 Benson Valley	74958078

# Attachment 1d-1

C&S SOLUTIONS, INC.  
 10620 NEW HAVEN RD.  
 HARRISON, OH 45030

Web Site
www.locatorguys.com

# QUOTE

Date	Estimate #
10/18/2021	17974

<b>MAIN OFFICE</b> 513-922-7444	<b>REPAIR DIVISION</b> 513-922-7444
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Name / Address
FARMDALE WATER DISTRICT JAMIE ROBERTS 100 HIGHWOOD DRIVE FRANKFORT, KY 40601

Ship To
FARMDALE WATER DISTRICT JAMIE ROBERTS 100 HIGHWOOD DRIVE FRANKFORT, KY 40601

**PAID**  
 10-18-21  
 CK# 1454

Terms	Rep
Net 15	RR

Description	Qty	Rate	Total
LMX100 GPR#--100-10-0150	1	14,990.00	14,990.00
SYSTEM FLIGHT CASE FOR LMX MODELS INCLUDES DISPLAY BAG, PART #100-60-0058	1	1,050.00	1,050.00
SHIPPING & HANDLING		250.00	250.00
The above estimate includes: 1) 1 Year Warranty 2) Free On Site Training, free on site training once a year 3) Free 24/7 Support		0.00	0.00
C&S Solutions, Inc. is licensed and certified to repair all Radiodetection/Pearpoint equipment at our home office in Cincinnati, Ohio. Thank you for the opportunity to earn your business. Please call Robie at (513) 300-4451 with any questions.  Quote good for 30 days.			

C&S SOLUTIONS IS NOT RESPONSIBLE FOR ANY ITEMS LOST OR DAMAGED IN SHIPPING	<b>Total</b>	\$16,290.00
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Fax #	513-941-5410	E-mail	jeff@locatorguys.com
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# Attachment 1d-2



**LEXINGTON**  
 P.O. Box 11520  
 Lexington, KY 40576  
 (859) 254-6443  
 1-800-432-0913

**LOUISVILLE**  
 2050 Watterson Trail  
 Louisville, KY 40299  
 (502) 589-9901  
 1-855-589-9901

**CORBIN**  
 828 W. Cumberland Gap Pkwy.  
 Corbin, KY 40701  
 (606) 528-0700  
 1-800-274-9457

**ELIZABETHTOWN**  
 128 E. Nalls Road  
 Elizabethtown, KY 42701  
 (270) 360-8326

**PRESTONSBURG**  
 2124 Watergap Road  
 Prestonsburg, KY 41653  
 (606) 874-8036  
 1-800-955-9457

Please Remit Payment: Wilson Equipment Co. • P.O. Box 11520 • Lexington, KY 40576

www.wilsonequipment.com

Ship To :

SAME AS BELOW

Invoice To :

FARMDALE WATER DIST  
 100 HIGHWOOD DRIVE  
 FRANKFORT KY 40601

Branch 04 - LOUISVILLE, KY		
Date 10/13/2023	Time 14:21:46 (O)	Page 1
Account No. F15330	Phone No. 5022233562	Invoice No. E01229
Ship Via	Purchase Order MA 758 23000005	
Sales Tax License No. 37105		
JAMES FRANKLIN		Salesperson JTF

**EQUIPMENT INVOICE**

Description	Amount
WARRANTY: NEW, FULL MANUFACTURER'S WARRANTY TERMS: PAID IN FULL CHECK #2061089	
Stock #: EX4757                      Serial #: 32E004757 CASE CX37C EXCAVATOR	53937.74
****INCLUDING THE FOLLOWING ATTACHMENTS**** ===== New IC 12" BUCKET CASE 12" EXC BUCKET( EB124603 135846-0-3 New STRICKLAND 18" BUCKET STRICKLAND 18" EXC B EB182234 5018262-234	
Stock #: QC5901                      Serial #: W102359-0-1 CASE MANUAL COUPLER	.01
H16145WR	
Subtotal:	53937.75
Total (TOTAL EQUIPMENT CHG):	53937.75

Signature \_\_\_\_\_

Terms are net 30 days except rentals which are due in advance.  
 A service charge of 1 ½ % per month will be added to all accounts 30 days past due and over.  
 Returned parts are subject to 20% restocking charge.

# Attachment 1d-3

**SALES ORDER**  
**FRANKFORT PLANT BOARD**  
 FRANKFORT, KY.

8/16 2023

NAME Farmdale Water

ADDRESS \_\_\_\_\_

TERMS \_\_\_\_\_

QUANTITY	ITEMS SOLD	AMOUNT
	2011 Ford F250	
	TRUCK # 458	14,187 00
	20-20-421100	
	TOTAL	14187 00
	CX # 2061027	

REMARKS  
 sold to  
 Farmdale Water  
 100 Highwood Dr  
 Frankfort Ky 40601

SOLD BY Sheppard

ABOVE ITEMS RECEIVED AND WORK SATISFACTORILY COMPLETED

\_\_\_\_\_  
 (DATE)

\_\_\_\_\_  
 (CUSTOMER'S SIGNATURE)

82775

# Attachment 1d-4

**US Trailer Center, LLC**

102 Taylorsville Road

Shelbyville, KY 40065

Tel. 502-437-5400

Fax 502-437-5450

www.ustrailercenter.com

**Bill To:** FARMDALE WATER DISTRICT  
FARMDALE WATER DISTRICT  
100 HIGHWOOD DRIVE  
FRANKFORT, KY 40601

Item Name	Item Description	Attribute	Size	Orig Price	Disc %	Type	Qty	Price	Ext Price	Tax
ECH1825R1300430	300430 2024 LOAD TRAIL 83" X 18' TANDEM AXLE 14K 2' DOVE REMOVABLE FENDERS FOLD UP RAMPS	FOLLD UP	83 18 14K	\$7,150.00	3.5%		1	\$6,900.00	\$6,900.00	T
5/80R 16 WHEEL ASS	235/80R 16 LRE SPOKE WHEEL ASSEMBLY, DUALY OR SINGLE WHEEL. 10 ply.SEE NOTES	SEE NOTE	235/80R 16	\$239.00	16.32%		1	\$200.00	\$200.00	T

Subtotal: \$7,100.00  
 Exempt 0 % Tax: + \$0.00  
**RECEIPT TOTAL: \$7,100.00**

Check: \$7,100.00 2758

Total Sales Discounts: \$289.00

Thanks for shopping with us!  
No returns or refunds on electrical parts.  
All deposits are non-refundable.  
Quotes are good for 48 hours.

**PAYMENT IS DUE IN FULL WITH IN 30 DAYS**  
CHECK TORQUE ON ALL LUG NUTS AFTER THE FIRST 50 MILES, AGAIN AT 100 MILES AND BEFORE EACH USE OF TRAILER.



55023



LOAD TRAIL





**FARMDALE WATER DISTRICT**

**CASE NO. 2020-00217**

**Response to Commission Staff's Third Request for Information**

**Question No. 2**

**Responding Witness: Randall S. Wooldridge, Chairman**

**Q-2. Refer to the QIIP filed February 29, 2024, Proposed Projects to Reduce Water Loss, Section 1, Replacement of Asbestos Cement Water Line, pages 7-8**

- a. Explain how the scope of the asbestos cement water line replacement project is being reduced.**
- b. Confirm whether Farmdale District proposes to use any water loss surcharge funds toward this project. If not confirmed identify the funding source.**

**A-2a.** Originally, the AC Line Replacement Project included replacing all 67,500 linear feet of AC line in Farmdale District's system. Because costs have increased since the Project was designed, its scope has been reduced. Currently, Farmdale District plans to replace 34,600 linear feet of AC line and has secured a 40-year **\$2,458,000 Rural Development Loan** at an interest rate of 2.37% for the AC Line Replacement Project. AC line along Lawrenceburg Road, US 127, Jones Lane, Old Harrodsburg Road, Old Lawrenceburg Road, Nineveh Road and Mulholland Road will be replaced. Farmdale District had planned to also replace AC line along Green

Wilson Road, Highway 151, Avenstoke Road, Demerson Lane, Hickory Ridge Road, and Crawford Road, but those sections of the Project were removed due to cost constraints. It is expected that Rural Development will grant authorization to bid the Project by May 31, 2024. If so, the project will be advertised for bids in June 2024 with a late June bid opening.

**A-2b.** Farmdale District is **not** requesting to use surcharge proceeds on the AC Line Replacement Project. The District has secured a \$2,458,000 Rural Development loan with a 40-year term for this project.

**FARMDALE WATER DISTRICT**

**CASE NO. 2020-00217**

**Response to Commission Staff's Third Request for Information**

**Question No. 3**

**Responding Witness: Chris Ralph and Randall S. Wooldridge**

**Q-3. Refer to the QIIP filed February 29, 2024, Proposed Expenditures for Meters, pages 9-11.**

- a. Provide a breakdown or estimate of how many of the previously installed Sensus iPERL meters registered "slow," how many stopped registering water usage, how many had erratic and unreliable readings, how many stopped functioning, and how many still work properly. Include in the information the criteria used to categorize the meters as well as any necessary definitions.**
- b. Provide the number of Sensus iPERL meters remaining in the system, which Farmdale District plans to replace.**
- c. Provide the number of meters Farmdale District plans to replace each year, over how many years, and the total estimated cost for completing replacement of its meters with the Sensus iPERL meters.**
- d. Explain Whether Farmdale District has considered purchasing a testing bench for its meters, or whether it has performed any study on whether it would be more economical and efficient to perform meter testing in-house.**

**A-3a.** Because most of the Sensus iPERL meters that have been replaced or tested over the past few years were damaged, had stopped working, or were otherwise

defective, it is impossible to provide a statistically accurate estimate of the accuracy of the approximately 1,200 iPERL meters which are over 10 years of age and are still in service. Nevertheless, the test results from the 49 iPERL meters which were tested during the first quarter of 2024 demonstrate that Farmdale District needs to replace the remaining 1,200 iPERL meters as soon as possible. As shown on the Quarterly Meter Report for the First Quarter of 2024 (see **Attachment 3a**), only 55% of the meters tested were deemed “accurate” (within 2 percent plus or minus). In addition, 29% were greater than 2% slow and 16% were not registering. This information is shown below in a tabular form:

<b>Category</b>	<b>Number</b>	<b>Percentage</b>
Accurate	27	55%
Over 2% Fast	0	0
Over 2% Slow	14	29%
Not Registering	8	16%
<b>Totals</b>	<b>49</b>	<b>100%</b>

Stated another way, nearly one-half (45%) of the meters tested were running slow or were not working at all. According to Farmdale District staff, these test results were not surprising. The meters selected to be tested during the first quarter were all thought to functioning meters with no known history of problems.

Anecdotal evidence of the erratic or unreliable nature of some of the iPERL meters is illustrated by the following event which happened earlier this week. A house was transferred to a new owner and Chris Ralph, Farmdale District's Manager of Field Operations, went to get a final reading. The meter was showing that a tremendous volume of water was going through it, but no one was using water and there were no apparent leaks. Mr. Ralph turned the valve off on each side of the meter, but the meter still registered as if a large volume of water was flowing through it. He then removed the meter and placed it on the ground. The meter was still registering as if water was flowing through it although it was not connected to a water source. He placed it on the tailgate of his pickup truck. It still registered usage. He then tossed it into the bed of his truck. When he got to the office, it had finally stopped registering any usage. What is even more surprising is that this is the **fourth time** that Mr. Ralph has observed a meter registering usage when it was not connected to a water line.

On a monthly basis, approximately 20 customers will complain of extremely high water usage (over 100,000 gallons) and another approximately 20 customers will have no usage or negative usage. Thus, on average, 40 meters per month will show unreliable usage amounts. Furthermore, a meter that runs "fast" one month may show normal usage the next month or may read as if there has been negative usage. Farmdale District desires to use its Surcharge Funds to replace as many

iPERL meters as possible with new Sensus SRII meters so that Farmdale District and its customers will have confidence in the accuracy of its meters.

**A-3b.** Farmdale District currently has **1,200** Sensus iPERL meters left in its system. Farmdale District plans to replace all of these meters with Sensus SRII meters.

**A-3c.** The cost in today's dollars to purchase 1,200 Sensus SRII meters is **\$414,230**. The price quote from CITCO Water, Farmdale District's supplier, is attached as **Attachment 3c-1**. Because Farmdale District does not have space available to store a large number of meters until they can be installed, Farmdale anticipates ordering meters in batches. In September of 2023, Farmdale District received a price quote to have NFK Contracting, LLC ("NFK") install 250 meters. That quote has now expired, but it is attached to this Response as **Attachment 3c-2**. NFK indicated it could install 250 meters for \$23,750 or \$95 per meter. Farmdale District has not decided whether to install the new meters using in-house labor or to seek the services of a third-party contractor. The interests of getting the meters installed as quickly as possible must be weighed against the financial advantage of using in-house labor. If the Commission desires an updated estimate on having

meters installed by a third-party contractor, Farmdale District will supplement the record of this proceeding with that information when it becomes available.

If Farmdale District installs the meters in-house it estimates the meter replacement would take approximately **three years, with 400 meters being replaced each year**. Farmdale District is aware that the Surcharge Funds are not sufficient to cover all of the costs to install 1,200 Sensus SRII meters. However, Farmdale District is requesting to use its Surcharge Funds to cover the majority of the costs associated with meter replacement.

**A-3d.** Farmdale District obtained a price quote for a meter testing bench. It is included as **Attachment 3d** following this Response. Farmdale District does not believe it is economically feasible to equip itself to test meters in-house. In addition to the **\$28,000** cost of the testing bench, there is the cost of employing someone with the credentials set forth in 807 KAR 5:006, Section 17, to perform the testing, and the cost of a climate-controlled building with a water storage tank and electricity in which to house and operate the test bench. Farmdale District's current building, which is a combination of office space and garage space, is far too small to accommodate the operation of a test bench. The office portion of the building is very small, there is no customer lobby area, and staff's desks are accessible to anyone entering the office. The manager's office, in which hard copy records are

stored, also serves as the only meeting space because there is a door between this room and the main office area. The garage portion of the building is not a suitable testing environment because of dust. The garage also lacks the necessary space for a testing bench and a water storage tank to use in meter testing. Even though only a small building is needed to house and operate a meter test bench, Farmdale District does not have space at the site of its current office to build a suitable facility, and the facilities that already exist are not large enough to accommodate meter testing. Therefore, the cost of performing in-house meter testing would involve building a facility in a location other than the site of Farmdale District's location.



# Attachment 3a

**QUARTERLY METER REPORT  
TO THE KENTUCKY PUBLIC SERVICE COMMISSION**

**GENERAL INFORMATION**

NAME OF UTILITY	<u>Farmdale Water District</u>	QUARTER	<u>(1) January - March</u>
ADDRESS	<u>100 Highland Dr</u>	TEST YEAR	<u>2024</u>
CITY, STATE, ZIP	<u>Frankfort, KY 40601</u>	DATE SUBMITTED	<u>March 18, 2024</u>

**METER STATISTICS**

CUSTOMER TYPE	METERED	NON-METERED	TOTAL
RESIDENTIAL	2613	0	2613
COMMERCIAL	149	0	149
INDUSTRIAL	0	0	0
OTHER	0	0	0
<b>TOTALS</b>	<b>2762</b>	<b>0</b>	<b>2762</b>

STATUS OF METER TEST PROGRAM	QUANTITY
METERS TO BE TESTED THIS YEAR	100
METERS TESTED THIS YEAR (TO DATE)	20
<b>METERS STILL TO TEST THIS YEAR</b>	<b>80</b>

**METER TESTING**

YEARS SINCE METER WAS LAST TESTED	METER TEST RESULTS				METERS TESTED	METERS NOT TESTED
	WITHIN ±2%	> 2% FAST	> 2% SLOW	NR*		
NEW - 5 YEARS	23	0	12	4	39	19
5 - 8 YEARS	0	0	0	0	0	0
9 YEARS	0	0	0	0	0	0
10 YEARS	0	0	0	0	0	0
10+ YEARS	4	0	2	4	10	2579
UNKNOWN	0	0	0	0	0	0
<b>TOTALS</b>	<b>27</b>	<b>0</b>	<b>14</b>	<b>8</b>	<b>49</b>	<b>2598</b>
<b>PERCENT</b>	<b>55.10%</b>	<b>0.00%</b>	<b>28.57%</b>	<b>16.33%</b>	<b>1.85%</b>	<b>98.15%</b>

\* Non-Registering

PERIODIC METER TEST PROGRAM	
CASE NUMBER and/or SAMPLE METHOD PLAN	Change Out
METERS REMOVED FROM SERVICE AND TESTED THIS QUARTER	10
NEW SERVICE CONNECTIONS (METERS) INSTALLED THIS QUARTER	13
TOTAL METERS TESTED THIS QUARTER	49
UTILITY OR APPROVED AGENCY DOING METER TESTING	Frankfort Plant Board
METERS THAT TEST MORE THAN 2% FAST OR 2% SLOW	REFURBISH & REUSE

**CUSTOMER AND REFUND INFORMATION**

NUMBER OF TESTS MADE AT CUSTOMER'S REQUEST	0
NUMBER OF TESTS MADE AT COMMISSION'S REQUEST	0
NUMBER OF METERS ON WHICH REFUNDS WERE MADE	0
TOTAL AMOUNT OF REFUNDS MADE DURING THIS QUARTER	\$0.00
NUMBER OF CUSTOMERS BILLED FOR SLOW METERS	0
TOTAL AMOUNT BILLED ON SLOW METERS	\$0.00
NUMBER OF CUSTOMERS BILLED FOR NON-REGISTERING METERS	0
TOTAL AMOUNT BILLED ON NON-REGISTERING METERS	\$0.00

METER TESTING INFORMATION APPROVED BY:

SIGNED Chris Ralph  
TITLE Manager

CUSTOMER & REFUND INFORMATION APPROVED BY:

SIGNED Jan Sanders  
TITLE Office Mgr

# Attachment 3c-1



CITCO Water  
 740 ENTERPRISE DRIVE  
 LEXINGTON, KY 40510  
 Phone 859-255-0852  
 Fax 859-259-1171



# Quotation

EXPIRATION DATE	QUOTE NUMBER
07/01/2024	S100255617
CITCO Water 740 ENTERPRISE DRIVE LEXINGTON, KY 40510 Phone 859-255-0852 Fax 859-259-1171	PAGE NO.
	1 of 1

QUOTE TO:

SHIP TO:

FARMDALE WATER DISTRICT  
 100 HIGHWOOD DR  
 FRANKFORT, KY 40601

FARMDALE WATER DISTRICT  
 100 HIGHWOOD DR  
 FRANKFORT, KY 40601

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
3059	METER QUOTE		Jeff Lloyd	
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Cody Trimble	I64 WEST	NET 30 DAYS	05/02/2024	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
1200ea	5/8"X3/4" SR II TRPL 100G PL/BTM 5WH ELEC L/HOUSING SX2X538P1GGXS0D W/ SAME SN & ID AMR LL METER		173.900/ea	208680.00
700ea	520M M2 MXU SINGLE PORT TRANSCEIVER UNIT TOUCHCOUPLER W/ INTERNAL BATTERY AND HOURLY LEAK DETECTION INTERVALS		199.000/ea	139300.00
250ea	520M M2 MXU DUAL PORT METER TRANSCEIVER UNIT TOUCHCOUPLED W/ INTERNAL BATTERY AND HOURLY LEAK DETECTION INTERVALS		265.000/ea	66250.00
IMPORTANT NOTICE: DUE TO UNPRECEDENTED SUPPLY CHAIN DISRUPTIONS WE ARE UNABLE TO PROVIDE FIRM PRICING FOR ANY LENGTH OF TIME. ALL PRICES ARE SUBJECT TO CHANGE BASED ON AVAILABILITY AND MARKET PRICING AT TIME OF SHIPMENT. THIS NOTICE SUPERCEDES ALL PREVIOUS TERMS.			Subtotal	414230.00
			S&H Charges	0.00
			Estimated Tax	0.00
			Amount Due	414230.00

# Attachment 3c-2

# NKF Contracting, LLC

# QUOTE

111 Hartland Dr, Falmouth Ky 41040  
 (859) 620-0482  
 Nkfields24@gmail.com

Date: 9/23/23

To:  
 Farmdale Water District

Expiration Date: 12/1/23

Salesperson	Job	Payment terms	Due date
Nathan Fields	Farmdale meter project		TBD

Qty	Description	Unit price	Line total
250	Meter replacement	\$95/each	\$23,750
	Price includes all labor, and tools for meter replacement project. All materials to be supplied by Farmdale Water District.		
		<b>Subtotal</b>	
		<b>Sales Tax</b>	0.00
		<b>Total</b>	\$23,750

Quotation prepared by: Nathan Fields

This is a quotation on the goods named, subject to the conditions noted below: All sales final, payment due upon receipt.

To accept this quotation, sign here and return: \_\_\_\_\_

**Thank you for your business!**

# NKF Contracting, LLC

# QUOTE

111 Hartland Dr, Falmouth Ky 41040  
 (859) 620-0482  
 Nkfields24@gmail.com

Date: 9/23/23

To: Farmdale Water District

Expiration Date: 12/1/23

Salesperson	Job	Payment terms	Due date
Nathan Fields	Farmdale meter project		TBD

Qty	Description	Unit price	Line total
1	Supervisor	\$100/hr	
1	Laborer	\$60/hr	
	Price includes all labor, truck and fuel to hydroexcavate for lead service line inventory in areas as directed by Farmdale Water District. Hydroexcavator and water supplied by Farmdale Water district.		
		<b>Subtotal</b>	
		<b>Sales Tax</b>	0.00
		<b>Total</b>	

Quotation prepared by: Nathan Fields

This is a quotation on the goods named, subject to the conditions noted below: All sales final, payment due upon receipt.

To accept this quotation, sign here and return: \_\_\_\_\_

**Thank you for your business!**

# Attachment 3d





# Quotation



CITCO Water  
 740 ENTERPRISE DRIVE  
 LEXINGTON, KY 40510  
 Phone 859-255-0852  
 Fax 859-259-1171

EXPIRATION DATE	QUOTE NUMBER
07/15/2024	S100257277
CITCO Water 740 ENTERPRISE DRIVE LEXINGTON, KY 40510 Phone 859-255-0852 Fax 859-259-1171	PAGE NO.
	1 of 1

QUOTE TO:

SHIP TO:

FARMDALE WATER DISTRICT  
 100 HIGHWOOD DR  
 FRANKFORT, KY 40601

FARMDALE WATER DISTRICT  
 100 HIGHWOOD DR  
 FRANKFORT, KY 40601

CUSTOMER NUMBER	CUSTOMER PO NUMBER	JOB NAME / RELEASE NUMBER	SALESPERSON	
3059	QUOTE		Jeff Lloyd	
WRITER	SHIP VIA	TERMS	SHIP DATE	FREIGHT ALLOWED
Lyndsay Logan	164 WEST	NET 30 DAYS	06/13/2024	No
ORDER QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
1ea	^FORD 2STB-LR 2 STATION STANDARD MANUAL METER TEST BENCH **26 WEEK LEAD TIME**		28009.840/ea	28009.84
IMPORTANT NOTICE: DUE TO UNPRECEDENTED SUPPLY CHAIN DISRUPTIONS WE ARE UNABLE TO PROVIDE FIRM PRICING FOR ANY LENGTH OF TIME. ALL PRICES ARE SUBJECT TO CHANGE BASED ON AVAILABILITY AND MARKET PRICING AT TIME OF SHIPMENT. THIS NOTICE SUPERCEDES ALL PREVIOUS TERMS.			Subtotal	28009.84
			S&H Charges	0.00
			Estimated Tax	0.00
			Amount Due	28009.84