



# BRIAN CUMBO

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ADMITTED IN KY AND WV

August 26, 2024

Public Service Commission  
P.O. Box 615  
Frankfort, KY 40602

RE: Martin County Water District  
PSC Case No. 2020-00154

To Whom It May Concern:

Enclosed please find Martin County Water District's Notice of Filing the information packet for the August 27, 2024 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

  
BRIAN CUMBO

BC/ld

Enclosure

cc: Martin County Water District  
Hon. Mary Varson Cromer

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:


ELECTRONIC MARTIN COUNTY WATER )  
DISTRICT MANAGEMENT AND OPERATION )  
MONITORING PURSUANT TO KRS 278.250 )

CASE NO. 2020-00154

**NOTICE OF FILING**

\*\*\*\*\*

Comes the Martin County Water District, by counsel, and hereby gives Notice of Filing of the attached information packet for the Martin District Board meeting on August 27, 2024.

  
BRIAN CUMBO  
COUNSEL FOR MARTIN COUNTY  
WATER DISTRICT  
P.O. BOX 1844  
INEZ, KY 41224  
TELEPHONE: (606) 298-0428  
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**CERTIFICATE OF SERVICE**

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 26<sup>th</sup> day of August, 2024, to the following:

Public Service Commission  
ATTN: Nancy Vinsel  
P.O. Box 615  
Frankfort, KY 40602

Hon. Mary Varson Cromer  
Appalachian Citizens' Law Center, Inc.  
317 Main Street  
Whitesburg, KY 41858

  
BRIAN CUMBO

**Martin County Water District**  
**387 E. Main St.**

Phone (606) 298-3885      Inez, Kentucky 41224

**Regular Meeting, Tuesday, August 27, 2024 – 6:00 p.m.**  
**Martin County Government Center (2<sup>nd</sup> Floor)**

- 1) Call the meeting to order
- 2) Review and Consideration to Approve Minutes
- 3) Review and Consideration of Financial Reports
  - A. Review and Consideration to Approve Treasurer's Report
  - B. Review and Consideration to Approve Other Financials
- 4) Review and Consideration to Approve Bills
- 5) Legal
  - A. Any Issues for Discussion with Board Attorney
- 6) Operations
  - A. Alliance Operations Report
  - B. Water Loss Report
  - C. Leak Adjustments
  - D. 3<sup>rd</sup> Quarter 2024 State and Federal Compliance Report
- 7) Capital Projects Report
  - A. Project Updates
  - B. 5 Year CIP
- 8) Other Old Business
- 9) Other New Business
- 10) Consider Motion to Convene into Closed Executive Session
- 11) Consider Motion to Close Executive Session
- 12) Introduction of Guest-Five (5) Minute Maximum
- 13) Adjourn

Notice is hereby given that, subject to a motion duly made and adopted, the Board of Directors may hold an Executive Session subject to the laws of Kentucky.

**Martin County Water District  
Regular Meeting of the Board of Directors  
July 23, 2024, Meeting Minutes**

**Presiding:** BJ Slone, Director  
**Present:** Directors: John Hensley, Greg Crum, Nina McCoy  
Staff: Brian Cumbo (Attorney), Todd Adams (DM), Colby May (LM), Helen Proctor, Erica Bogenpohl, Tim Geraghty  
**Guests:** Homer Mills

The Regular Meeting of the Martin County Water District was held on July 23, 2024, at the Martin County Government Center, at 42 East Main St (2<sup>nd</sup> Floor), Inez, Kentucky 41224. Mr. Slone called the meeting to order at 6:00 p.m.

**Mr. Slone called for review of the June 25, 2024 Board Meeting minutes.**

- Mr. Crum motioned to accept the June 25, 2024 minutes
- Mr. Hensley seconded
- All ayes
- Motion carried

**Mr. Slone requested discussion of the review and consideration of the Financial Reports.**

- Mr. Adams detailed each report as submitted
- Mr. Hensley motioned to approve the Treasurer's report submitted
- Mrs. McCoy seconded
- All ayes
- Motion carried
- Mr. Adams presented Other Financials
- Mrs. McCoy motioned to approve Other Financials
- Mr. Crum seconded
- All ayes
- Motion carried

**Mr. Slone called for review and consideration to Approve Bills.**

- Mr. Hensley motioned to approve the List of Bills
- Mr. Crum seconded
- All ayes
- Motion carried

**Mr. Slone asked if there were any legal issues to discuss.**

- Mr. Cumbo wanted to amplify what Mrs. McCoy asked about our response and information (to PSC), that information is filed with the PSC and is public record. The newspaper or anyone can go to the website and get that response.

**Mr. Slone called for review of the Operations Report.**

- Mr. Adams stated that we hosted the DOW and EPA for a walk through at the plant, reservoir, and raw water intake. We received positive feedback from the improvements that have been made in the last year.
- Sanitary Survey from DOW results of water system were received, and we had no significant deficiencies. We have a few minor things we have to respond to, but the majority of those have already been corrected.
- Clarifier #2 had a Cardinal and Martin County painted on the front
- IWTP has been cleaning and housekeeping
- Pumped 171 hours to prison in month of June
- Installed valves on Coldwater to help with leak detection and isolation of the system
- 43% of water main replacement on Collins Creek completed
- Fixed a total of 33 water leaks in the distribution system for the month
- Total gallons produced 43,890,000
- All water quality samples passed the Water Quality Analysis for June
- District has spent 109% of YTD repair account, that number is just going to increase

**Mr. Adams presented an update of the water loss report.**

- Water loss was reported at **62.43%** for the month of June 2024

**Mr. Slone presented the Board with the July Leak Adjustments.**

- Mr. Crum motioned to approve the July Leak Adjustments
- Mr. Hensley seconded
- All ayes
- Motion carried

**Mr. Adams presented an update on the capital projects report.**

- The RWI pump was dropped over the hill, everything held. Pilar issue was a non-issue. The angle that the pump will be setting on pontoon is a weird angle, causing a coupling issue. They reached out to the manufacturer to find out what type of coupling to use. No date as of now on delivery of that coupling.

- We have made mention in the PSC report that we anticipate no rate increases for the year. If we do not get the project at RWI completed, there is no way the District will be able to continue paying Rain for Reht and the diesel fuel. District has made contact with the engineering company about charging the contractor for penalty fees for being late and liquidated damages. Today, information was sent to attorney and also to the ADD district. As of today, they are 67 days overdue (from last approved extension they were given), which is around \$50,000 in liquidated damages.
- Water line improvement is 43% completed on Collins Creek. No major complaints have been received on that project.
- Mr. Adams and Mr. May have been working with University of KY on hydraulic modeling
- Bell Engineering were on site yesterday to install solar panels on 292 tank, and they have installed some radio equipment. They are waiting on Microcomm to help with connections on tanks. Project is close to being completed.
- We met with Bell Engineering last week to finalize plans for Otto Brown pump station. This will be submitted to DOW in the next 30 days for approval.
- Setser Branch and 292 utility relocation is complete and will go out to bid mid-August. These projects are relocating lines around state highway projects.
- Mr. Adams has been in contact with ADD district pertaining to the Turkey tank rehab and meter replacement project, and they said it would take roughly 4 weeks from the time it is approved in the state's budget before they start getting the paperwork. We are expecting that to begin around the 1<sup>st</sup> of August.
- Lead line replacement was finalized today, we should start receiving funds back from that. It is around \$280,000 of all the work we have done internally to locate lead lines that we can get reimbursed for. We have 86% of lead line completed.
- Bobby McCool has reached out concerning Spicy Mountain, a meeting is scheduled for August 2<sup>nd</sup>, he thinks he has found funding for that project.

**Mr. Slone inquired if there was any Other Old Business to discuss.**

**Mr. Slone inquired if there was any Other New Business to discuss.**

- Staff is requesting to set up a new bank account for the sole purpose of the AML Rt. 40 East Water Improvement Project, with the following members listed as authorized signers:

Authorized Signers:

Jimmy D. Kerr  
 John Hensley  
 BJ Slone  
 Greg Crum  
 Nina McCoy  
 Cassandra Moore – Open Account

- Mr. Hensley motioned to approve setting up a new bank account for the sole purpose of the AML Rt. 40 East Water Improvement Project
- Mrs. McCoy seconded
- All ayes
- Motion carried

**Executive session not required.**

**Mr. Slone inquired if there were any guest requesting to speak.**

- Homer Mills addressed the board to ask if he can have an old pump station located beside Turkey Volunteer Fire Department. Mr. Adams stated that it is an old pump station that is no longer in use. It does have some old pumps in it now, it is a liability issue of everything that is inside of it. We could clean it up and turn it over to them. It has not been used for years. Mr. Cumbo commented that he was not sure that we could give it away, it must be declared surplus property, and he would have to check into that to see if it has to be bid off. It must first be determined who owns the land the building sits on. The Board will contact Homer Mills once the information is gathered.

**Mr. Slone requested a motion to adjourn.**

- Mr. Hensley motioned to adjourn the meeting at 6:23 p.m.
- Mr. Crum seconded
- All ayes
- Motion Carried

Minutes approved this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
James Kerr, Chairman

\_\_\_\_\_  
Cassandra Moore, District Clerk



**Martin County Water District**  
**Balance Sheet**  
**July 31, 2024**

7/31/24

**ASSETS**

**CURRENT ASSETS**

Checking Account - Operations	\$	57,707.02
Revenue Fund - EFT		4,333.35
Debt Service Surcharge Fund		1,000.11
Management Infrastructure Surcharge Fund		1,000.19
Security Deposits		104,873.27
Cash on Hand		900.00
<b>Total Cash</b>		<b>169,813.94</b>
Accounts Receivable		422,290.86
Allowance for Doubtful Accounts		(51,409.11)
Unbilled Accounts Receivable		46,933.00
Inventory		4,249.44
Prepaid Expenses		17,031.89
<b>Total Current Assets</b>		<b>608,910.02</b>

**PROPERTY, PLANT, & EQUIPMENT**

Land	214,713.83
Water Supply & Distribution System	28,460,189.36
Buildings	500,263.89
Equipment & Furniture	6,186,445.00
Vehicles	47,635.45
Construction Work in Progress	333,133.88
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(24,464.58)
Less: Accumulated Depreciation	(19,376,987.22)
<b>Net Property, Plant, &amp; Equipment</b>	<b>16,374,864.32</b>

**RESTRICTED CASH**

Grant Fund	63.07
Sinking Fund - RD	10,954.52
Regions Sinking Fund	56,053.63
KIA Sinking Fund	5,724.12
KACO Sinking Fund	4,872.21
Depreciation Fund	1,022.62
Cost of Issuance Fund 2022	2,098.00
Accrued Interest Receivable	226.00
<b>Total Restricted Cash</b>	<b>81,014.17</b>

**Total Assets** **\$ 17,064,788.51**

**Martin County Water District**  
**Balance Sheet**  
**July 31, 2024**

7/31/24

**LIABILITIES AND DISTRICT'S EQUITY**

**CURRENT LIABILITIES**

Accounts Payable	\$	355,813.33
Sales Tax Payable		3,940.55
School Tax Payable		7,542.47
Current Portion of Lease Liabilities		9,869.98
Long Term Debt-Current		50,691.96
Accrued Interest Payable		5,502.90
Customer Deposits		101,033.73
<b>Total Current Liabilities</b>		<b>534,394.92</b>

**LONG-TERM DEBT**

Lease Liability - Rent		10,324.99
Lease Payable - KACO		11,221.96
Bonds Payable - 2015 E Current Refunding		1,520,000.00
Bonds Premium - 2015 E, Net of A/Amort		15,413.00
Note Payable - KIA WMAF		1,295,460.95
Current Portion of Lease Liabilities		(9,869.98)
Less Current Portion of L-Term Debt		(50,691.96)
Other Inflow Resources - Pension		22,451.00
<b>Total Long-Term Debt</b>		<b>2,814,309.96</b>

**Total Liabilities**

**3,348,704.88**

**DISTRICT'S EQUITY**

Retained Earnings (Deficit)		14,016,387.87
YTD Net Income		(300,304.24)
<b>Total District's Equity</b>		<b>13,716,083.63</b>

**Total Liabilities and District's Equity**

**\$ 17,064,788.51**

**Martin County Water District**  
**Statement of Revenues and Expenses**  
**Fiscal Year Jan 01 to Dec 31**  
**For the Month Ending**  
**Actual vs Budget**

July, 2024			YTD		
Actual	Budget		Actual	Budget	Annual Budget
		<b>Operating Revenues</b>			
\$ 187,702	\$ 175,833	Water Sales - Residential	\$ 1,247,851	\$ 1,230,831	\$ 2,110,000
54,725	29,167	Water Sales - Commercial	265,879	204,169	350,000
5,649	10,417	Water Sales - Public Authorities	41,652	72,915	125,000
18	33	Bulk Water Sales	356	235	400
-	2,215	Connection Fees - Tap	10,076	15,505	26,580
6,821	4,583	Late Charge Fees	47,798	32,081	55,000
2,848	1,955	Reconnect/Meter Sets/Other Fees	17,990	13,690	23,465
8,666	8,917	Debt Service Surcharge	60,856	62,419	107,000
15,552	15,673	Management Infrastructure Surcharge	109,218	109,716	188,081
570	-	Miscellaneous Income	960	-	-
<b>282,549</b>	<b>248,793</b>	<b>Total Operating Revenues</b>	<b>1,802,635</b>	<b>1,741,561</b>	<b>2,985,526</b>
		<b>Operating Expenses</b>			
2	2,500	Water Purchased	46,608	17,500	30,000
168,507	168,507	Management & Operations Contract	1,179,549	1,179,549	2,022,084
23,339	27,917	Utilities	156,240	195,419	335,000
2,631	2,500	Insurance	16,521	17,500	30,000
48,382	9,167	Repairs & Maintenance	204,825	64,165	110,000
-	83	Outside Services	37	585	1,000
963	833	Legal Expenses	3,913	5,835	10,000
-	-	Accounting/Audit	8,125	8,000	8,000
3,750	3,750	Bad Debts	26,250	26,250	45,000
-	-	Bond Trustee Fees	900	500	500
428	385	Dues	2,997	2,695	4,620
296	344	Office Expense	4,433	2,410	4,130
-	833	Rent Expense	25	5,831	10,000
-	-	Regulatory Assess Fees	4,703	-	-
170	125	KY 811 Services	1,019	875	1,500
15	55	Miscellaneous Expenses	(634)	385	660
512	5	Customer Deposit Interest Expense	5,619	38	65
<b>248,994</b>	<b>217,004</b>	<b>Total Operating Expenses</b>	<b>1,661,128</b>	<b>1,527,537</b>	<b>2,612,559</b>
<b>33,554</b>	<b>31,789</b>	<b>Net Income B/4 Other Income (Expenses)</b>	<b>141,507</b>	<b>214,024</b>	<b>372,967</b>
		<b>Other Income (Expenses)</b>			
-	-	Capital Contributions	43,355	-	-
176	-	Interest Income	1,965	-	-
(4,842)	(8,333)	Interest Expense	(38,875)	(58,331)	(100,000)
(726)	63	Amortization	(4,756)	441	753
(61,000)	(65,000)	Depreciation	(439,000)	(455,000)	(780,000)
-	-	Loan Issue Costs	(4,500)	-	-
<b>(66,393)</b>	<b>(73,270)</b>	<b>Total Other Income (Expenses)</b>	<b>(441,811)</b>	<b>(512,890)</b>	<b>(879,247)</b>
<b>\$ (32,838)</b>	<b>\$ (41,481)</b>	<b>Net Income (Loss)</b>	<b>\$ (300,304)</b>	<b>\$ (298,866)</b>	<b>\$ (506,280)</b>

**Martin County Water District  
Inez, KY**

**Treasury Report**

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<b>Billing Charges For the Month of:</b>	<b>Jul-24</b>	
Water Revenue		\$ 187,701.79
Water Revenue-Commercial		54,724.53
Water Revenue-Commercial Exempt		5,648.73
Late Charges		6,820.61
Sales Taxes		3,696.23
Debt Service Surcharge		8,665.55
School Tax		7,569.14
Management Infrastructure Surcharge		15,551.94
Returned Check		1,954.96
Interest on Customer Deposits		(511.69)
Connection Fees		-
Other Miscellaneous Fees		2,847.59
Deposits Applied		(1,350.00)
Refund Checks Paid		247.72
<b>Total Billing Charges</b>		<b>\$ 293,567.10</b>
		<hr/>
<b>Gallons Billed</b>		<b>15,959,710</b>
		<hr/>
<b>Customers Billed</b>		<b>3,354</b>
		<hr/>

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<b>Accounts Receivable</b>	<b>Jul-24</b>	
Beginning Balance		394,502.28
Billing Charges		293,567.10
Bad Debt (Write Offs) Recoveries		130.39
Accounts Receivable Collections		(265,908.91)
<b>End of Month Accounts Receivable</b>		<b>422,290.86</b>

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<b>Operations Account</b>		
Beginning Balance		\$ 134,963.55
Deposits		
Accounts Receivable Collections		265,908.91
Accounts Receivable Collections - Pmts in EFT Revenue Account		(130,520.84)
Sewer Billing Collections in Water Bank Acct - Due to MCS		72,261.26
Customer Deposits Received		1,440.00
Miscellaneous Income (Tokens, Barrels, Scrap)		588.00
Transfers from Other District Accts		140,000.00
<b>Total Deposits</b>		<b>349,677.33</b>
Disbursements:		
Checks Written		(255,866.88)
Pmts made to Sanitation for A/R Collections		(96,469.90)
Transfers to Other District Accts		(43,563.75)
Auto Drafted Utilities		(20,905.31)
Returned Checks		(70.00)
Bank Fees		(15.00)
Sales and School Tax Payments		(10,043.02)
<b>End of Month Balance</b>		<b>\$ 57,707.02</b>

Cash Receipts Collected To Date in:	<b>Aug-24</b>	193,561.31
Bills Submitted for Payment in:	<b>Aug-24</b>	(255,277.74)
<b>Available Balance</b>	<b>3A-4</b>	<b>(4,009.41)</b>

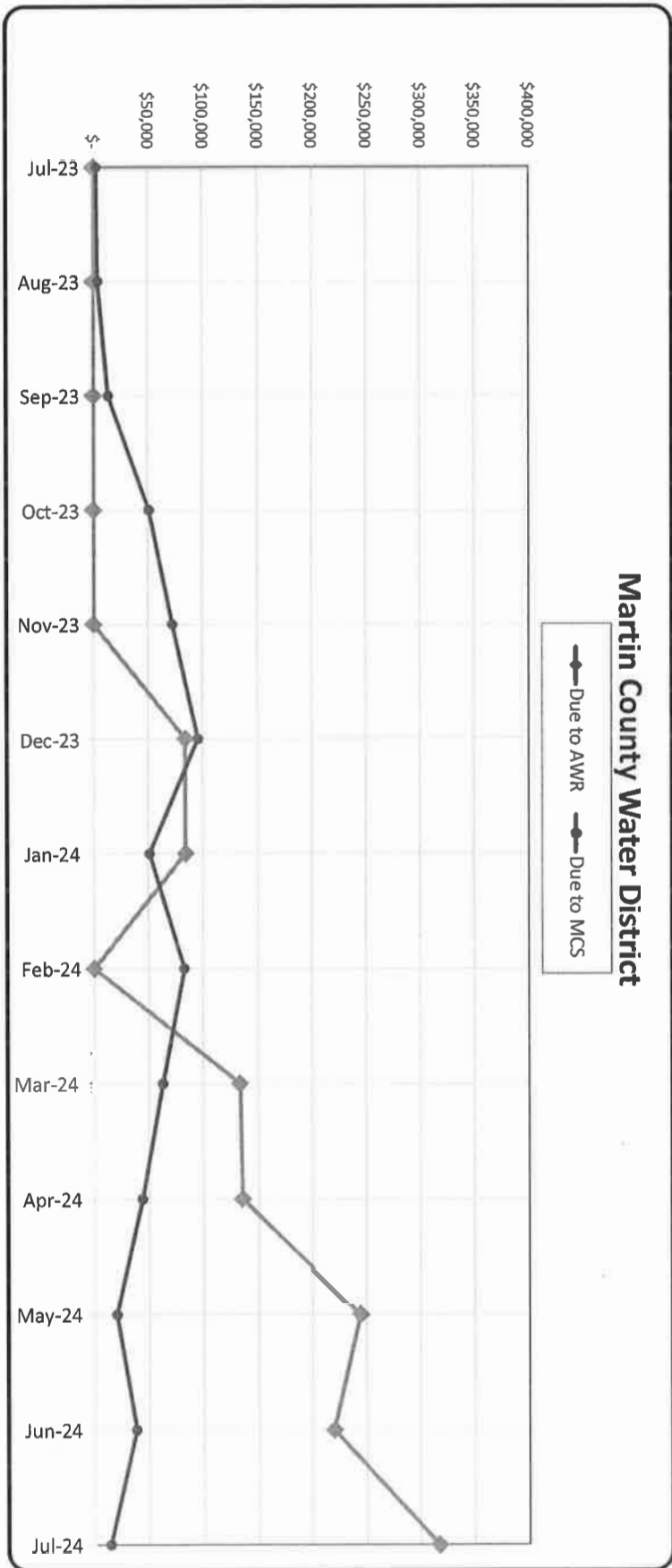
**Martin County Water District  
Inez, KY  
Treasury Report  
Summary of Cash & Investments  
July 31, 2024**

<b>Bank Account</b>	<b>Beginning Balance</b>	<b>Deposits</b>	<b>Interest Earned, Net of Fees</b>	<b>Payments</b>	<b>Ending Balance</b>
Operations Account	\$ 134,963.55	349,677.33	-	(426,933.86)	\$ 57,707.02
Revenue EFT Account	15,400.68	130,520.84	-	(141,588.17)	4,333.35
Debt Service Surcharge	1,000.07	8,653.49	0.11	(8,653.56)	1,000.11
Management Infrastructure Surcharge	1,000.12	15,530.26	0.19	(15,530.38)	1,000.19
Security Deposits	103,136.53	1,980.00	4.46	(247.72)	104,873.27
Cash on Hand	900.00	-	-	-	900.00
<b>Total Unrestricted Cash</b>	<b>256,400.95</b>	<b>506,361.92</b>	<b>4.76</b>	<b>(592,953.69)</b>	<b>169,813.94</b>
<b>Restricted Cash</b>					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	10,382.75	10,800.00	-	(10,228.23)	10,954.52
Regions Bank-KY 2015E Martin County	74,408.19	10,228.23	286.59	(28,869.38)	56,053.63
KIA Bond & Interest	5,756.50	5,600.00	0.06	(5,632.44)	5,724.12
KY Assoc of Counties Leasing Trust	3,970.09	1,000.00	0.08	(97.96)	4,872.21
Depreciation Reserve	1,022.60	-	0.02	-	1,022.62
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
<b>Total Restricted Cash</b>	<b>97,701.20</b>	<b>27,628.23</b>	<b>286.75</b>	<b>(44,828.01)</b>	<b>80,788.17</b>
<b>Total Cash &amp; Investments</b>	<b>\$ 354,102.15</b>	<b>533,990.15</b>	<b>291.51</b>	<b>(637,781.70)</b>	<b>\$ 250,602.11</b>

**Martin County Water District  
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
Jul-24	252,695	1,598,380	15,960	3,354	265,909
Jun-24	242,641	1,345,685	15,002	3,360	257,337
May-24	216,837	1,103,043	12,467	3,358	237,602
Apr-24	213,974	886,207	12,086	3,364	251,226
Mar-24	212,057	672,233	11,811	3,363	272,363
Feb-24	248,544	460,176	14,796	3,368	242,010
Jan-24	211,632	211,632	11,527	3,363	256,105
Dec-23	220,140	2,660,623	12,672	3,382	243,624
Nov-23	217,116	2,440,483	12,236	3,387	250,247
Oct-23	222,782	2,223,367	12,887	3,377	272,249
Sep-23	239,821	2,000,585	14,662	3,372	278,720
Aug-23	225,013	1,760,764	13,057	3,369	262,899
Jul-23	222,438	1,535,751	12,869	3,363	257,785

### Martin County Water District



**Martin County Water District, Inez KY**  
**List of Bills for Consideration**  
**27-Aug-24**

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
<b>Operations Account</b>		
1 AEP	Electric (26 bills) Estimated	\$ 20,692.19
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,462.44
3 Paintsville Utilities	Electric for token (5/02/24 to 6/04/24) Estimated	\$ 42.76
4 Martin County Public Library	Rent (Sept)	\$ 843.38
5 Martin County Water District	Sanitation (July)	\$ 141.67
6 Sales tax	7/2024 (estimated)	\$ 3,645.46
7 School tax	7/2024 (estimated)	\$ 7,580.85
8 Alliance Water Resources	8/1/24-8/15/24 O&M services	\$ 84,253.50
9 Alliance Water Resources	8/16/24-8/30/24 O&M services	\$ 84,253.50
10 Alliance Water Resources	Insurance Policy Installment (8/10)	\$ 2,120.60
11 Brian Cumbo	Legal Fees	\$ 962.50
12 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 15,530.26
13 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 8,653.49
14 Kentucky Underground	811 Services (July)	\$ 169.50
15 Estech Systems	Phone System (July)	\$ 223.82
16 NexBillPay	Fees (July)	\$ 81.00
17 Diesel Fuel Receipts	Diesel Fuel (July)	\$ 36,142.51
18 H&E Equipment Services	Pump Rental	\$ 739.50
20 Rain for Rent	Pump Rental	\$ 10,920.84
26 Mountain Water District	Purchased Water	\$ 1.72
<b>TOTAL</b>		<b>\$ 279,461.49</b>

**Operations Account - Debt Service Funding**

		<b>Transfer Amounts</b>
1 KIA	Monthly funding for KIA Bond/Loan	\$ 5,600.00
2 KACo	Monthly funding for lease payment	\$ 1,000.00
3 KRW/Regions Bank	Monthly funding for loan	\$ 10,800.00
<b>TOTAL</b>		<b>\$ 17,400.00</b>

**TOTAL OPERATIONS**

**\$ 296,861.49**

**Security Deposit Account**



<b>Customer</b>			
1	Charles Cain	Deposit refund due to customer	\$ 63.65
2	Lynn Perry	Deposit refund due to customer	\$ 112.25
3	Susan Bowen	Deposit refund due to customer	\$ 40.30
4	Kathy Lowe	Deposit refund due to customer	\$ 78.02
<b>TOTAL</b>			<hr/> <b>\$ 294.22</b>



## Martin County Water District

### OUR MISSION

*We partner with communities to deliver the finest water and wastewater services available at a competitive price. We are committed to keeping water safe and clean while serving people and taking care of communities with improved technical operations, careful management, and financial oversight, and ensured regulatory compliance.*

Alliance Water Resources, Inc.

206 S. Keene  
St. Columbia,  
MO 65201

(573) 874-8080

August 2024

#### Administrative

#### Water Treatment

Clarifier # 3 tube settlers installed. Bearings and Sprocket installed mid-August.

Sold or removed all of the empty 55 gallons drum of chemicals

New rake chain for Clarifier Number 3 and installed

Installed one new water service

New motor replaced on carbon feed system

Pumped 171.5 hours to the Prison

#### **Distribution**

Estimated 80% of water main replacement on Collins Creek completed

Fixed a total of 36 water leaks in the distribution system for the month


  
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**Martin County Water District**

**Project Updates**

<b>SOURCE</b>	<b>AMOUNT</b>	<b>PROJECTS</b>
AMLER-2017	\$3,450,000	A, B, C
COE 531 (25% Match)	\$1,869,718	B, C
ARC Grant	\$1,200,000	D
AMLER-2018	\$2,000,000	E
FEMA/STATE	\$1,201,000	K
COE 531 Partnership	\$1,500,00	B
<b>Total Grant</b>	<b>\$11,220,718</b>	

**Regulatory**

The Martin County Water Treatment Plant performs operational water quality monitoring to ensure compliance with all state and federal safe drinking water act requirements, including chlorine, fluoride, iron, pH, manganese, solids, turbidity, and bacteriological analysis.

**Water Plant Operation**

**July 2024**

<b>Water Pumped</b>	
Total Water Production (gallons)	48,612,000
Total Water Metered/Billed (gallons)	15,960,000
Other Water Used (gallons)	298,000
Average Daily Flow (Million Gallons per Day)	1,600,645
Maximum Daily Flow (Million Gallons per Day)	1,728,000
Fluoride Used (lbs.)	427
Chlorine Used (lbs.)	1,963
Lab Tests	3,815

**Water Quality Analysis**  
**July 2024**

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	9 (Pass)	3
		<b>Reported</b>	<b>Minimum Limit</b>
Fluoride Plant Sample	31	0.92 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 31 Free- 31	<b>Low Readings</b> Total - 0.47mg/L Free – 0.40mg/L	0.2 mg/l

**Customer Service Request and Work Orders**

Meter Reads	3314
Meter Sets	27
Turn offs-Close account	37
Taps	0
Meter Changes	8
Disconnects for Non-payment	48
Boil Notices	3
Line Locates	116
Water Leaks/Breaks	33
Other/Investigates	166


  
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**Water Main Breaks & Service Lines**

Date	Location of Leak or Line Break	Calculated Loss for Month
7/2/24	5196 Blacklog Rd	472,698
7/3/24	38 Rockcastle Rd	39,391
7/5/24	168 Maude Rd.	49,239
7/8/24	6335 Meathouse Rd	9,848
7/8/24	314 Collins Crk Rd	157,566
7/11/24	430 Old Middlefork Rd	39,391
7/11/24	3511 Blacklog Rd	23,635
7/11/24	15 Hickman Hts	59,087
7/12/24	2935 Tug River Rd	15,757
7/12/24	388 Cardinal Ln	32,826
7/15/24	43 Himlerville St	236,349
7/15/24	20 Jean copeland Ln	39,391
7/15/24	4252 Blacklog Rd	118,174
7/16/24	1062 Blackberry Rd	78,783
7/16/24	44 Hill View	39,391
7/17/24	7223 Beauty Rd	827,221
7/17/24	79 Walnut Dr	551,481
7/18/24	407 N Wolfcreek	236,349
7/18/24	1471 S Wolfcreek	7,878
7/19/24	17 Upper alpha Br	4,377
7/19/24	7 Gordon Maynard Rd	39,391
7/19/24	4294 North Milo Rd	275,740
7/19/24	33 Aaron St	39,391
7/23/24	66 Cassell Br	118,174
7/25/24	7504 Beauty Rd	1,181,745
7/25/24	41 Shirley Moore Rd	137,870
7/25/24	173 Tomahawk estates	275,740
7/26/24	Sweetwater Rd	19,696
7/29/24	107 Charlie Cline Rd	275,740
7/30/24	3859 Turkey Crk	590,872
7/30/24	1616 Rockcastle Rd	393,915
7/31/24	1042 Rockcastle Rd	54,163
7/31/24	Sweetwater Rd	2,363,489
7/31/24	159 Buck Br	39,391
7/31/24	60 Tipple Rd	39,391
7/31/24	Upper Fluty lick Rd	1,181,745

<b>Total Gallons Lost Due to Line Breaks :</b>	<b>10,065,291</b>
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### Repair Expenses Ending June 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$332	\$5,000	6%
Vehicle Maintenance	\$24,370	\$20,000	121%
Water Plant Maintenance	\$5,020	\$7,000	72%
Distribution System Maintenance	\$95,232	\$50,000	190%
Water Meter Maintenance	\$4,725	\$10,000	47%
Street Maintenance	\$0	\$8,000	0%
<b>Totals</b>	<b>\$129,680</b>	<b>\$100,000</b>	<b>130%</b>

### Chemical Expenses Ending June 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Bisulfite	\$4,782		
Sodium Hydroxide	\$4,285	\$11,000	39%
Polymer	\$2,622	\$15,000	17%
Alum (DELPAC)	\$24,432	\$30,000	81%
Chlorine	\$21,206	\$20,000	106%
Permanganate	\$4,166	\$19,000	22%
Fluoride	\$2,477	\$7,000	35%
Chemicals Other - Water	\$4,911	\$8,000	61 %
<b>Totals</b>	<b>\$68,881</b>	<b>\$110,000</b>	<b>62%</b>

Notes:

- 1) Building & Grounds Maintenance
  - a. Advanced Auto Parts \$6.35
  - b. Evans Hardware \$86.35
  - c. Tractor Supply \$222.04
  
- 2) Vehicle Maintenance
  - a. Advance Auto \$1,791.79
  - b. Capital Tire \$311.82
  - c. SunnyDaze Carwash \$25
  - d. Hutch Ford \$636.00
  - e. Oil Changers \$295.14
  
- 3) Water Plant Maintenance
  - a. Evans Hardware \$39.73
  - b. Lowes \$438.81
  - c. Adkins Fast Stop \$373.03
  
- 4) Well Maintenance
  - a. \$0.00
  
- 5) Distribution System Maintenance
  - a. Consolidated Pipe & Supply \$6,602.27
  - b. Jabo Supply \$3,620.07
  - c. Core & Main \$4,037.33
  - d. R & J Building Supply \$160.2
  - e. S & K Equipment \$177.02
  - f. Evans Hardware \$270.14
  - g. SP Ace Cutting \$844.95
  - h. WIL-MIK \$101.23
  
- 6) Meter Maintenance
  - a. Consolidated Pipe & Supply \$468.51
  
- 7) Sodium Bisulfite
  - a. CITCO Water \$2,032.92
  
- 8) Sodium Hydroxide
  - a. CITCO Water \$2,029.74



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- 9) Lime/Caustic Soda
  - a. \$0.00
  
- 10) Polymer
  - a. \$0.00
  
- 11) Alum
  - a. CITCO Water \$7,664.13
  
- 12) Chlorine
  - a. CITCO Water \$5,557.33
  
- 13) Permanganate
  - a. CITCO Water \$2,083.00
  
- 14) Fluoride
  - a. Brenntag Mid-South \$1,238.40
  
- 15) Chemicals Other – Water
  - a. CITCO Water \$1,352.11

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: July Year: 2024

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	48,612
3	Water Purchased	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>48,612</b>
5		
6	<b>WATER SALES</b>	
7	Residential	10,946
8	Commercial	5,014
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain) <u>Prision</u>	2,191
14	<b>TOTAL WATER SALES</b>	<b>18,151</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	298
18	Wastewater Plant	
19	System Flushing	108
20	Fire Department	
21	Other Usage (explain)	
22	<b>TOTAL OTHER WATER USED</b>	<b>406</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	9,957
27	Line Leaks	20,098
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>30,055</b>
32		
33	<b>Note:</b> Line 14 + Line 22 + Line 31 <b>MUST</b> Equal Line 4	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	61.83%

**MARTIN COUNTY WATER & SANITATION DISTRICT**  
**LEAK ADJUSTMENT REQUESTS**  
**8/22/2024**

pool fill up; sewer only

BILLED GALLONS/CO	6,890	
BILLED GALLONS/CO	6,690	
AVG GALLONS/BILL	4,000	
LEAK GALLONS/PURCH	2,890	5.78
LEAK GALLONS/PURCH	2,690	5.38
<b>PAY (avg+leak cost)</b>		5.78
<b>WRITE OFF (billed-avg-purch cost)</b>		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	6,890	105.42
SEWER	6,690	102.46
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	2,890	42.80
LEAK SWR ADJ	2,690	39.84
SWR PAY (AVG-LEAK)		125.24
SWR WRITE OFF		82.64
SWR PENALTIES TO ADJ		0.00

82.64

repaired broken line under home

BILLED GALLONS/CO	20,780	238.42
BILLED GALLONS/CO	15,920	187.44
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH	15,780	31.56
LEAK GALLONS/PURCH	10,920	21.84
<b>PAY (avg+leak cost)</b>		104.45
<b>WRITE OFF (billed-avg-purch cost)</b>		226.68
LATE PENALTIES TO ADJ		18.74
SEWER	20,780	311.13
SEWER	15,920	239.16
AVG SEWER/BILL	5,000	77.43
LEAK SWR ADJ	15,780	233.70
LEAK SWR ADJ	10,920	161.73
SWR PAY (AVG-LEAK)		154.86
SWR WRITE OFF		395.43
SWR PENALTIES TO ADJ		23.92

664.77

repaired line under home; 2nd month

BILLED GALLONS/CO	28,860	323.18
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	26,860	53.72
<b>PAY (avg+leak cost)</b>		95.14
<b>WRITE OFF (billed-avg-purch cost)</b>		228.04

LATE PENALTIES TO ADJ		0.00
SEWER	28,860	430.80
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	26,860	397.80
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		397.80
SWR PENALTIES TO ADJ		0.00

625.84

replaced entire water line from meter to home

BILLED GALLONS/CO	23,990	272.10
BILLED GALLONS/CO	32,370	360.00
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	21,990	43.98
LEAK GALLONS/PURCH	30,370	60.74
PAY (avg+leak cost)		187.56
WRITE OFF (billed-avg-purch cost)		444.54
LATE PENALTIES TO ADJ		36.00

480.54

replaced faucet on water hose

BILLED GALLONS/CO	19,380	223.74
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	17,380	34.76
PAY (avg+leak cost)		76.18
WRITE OFF (billed-avg-purch cost)		147.56
LATE PENALTIES TO ADJ		22.37
SEWER	19,380	290.40
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	17,380	257.40
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		257.40
SWR PENALTIES TO ADJ		29.04

404.96

pool fill up; sewer only

BILLED GALLONS/CO	14,650	84.43
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH	10,650	21.30
PAY (avg+leak cost)		83.70
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	14,650	93.72
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	10,650	31.10
SWR PAY (AVG-LEAK)		62.62
SWR WRITE OFF		31.10
SWR PENALTIES TO ADJ		0.00

31.10

repaired leaking toilets

BILLED GALLONS/CO	28,050	314.68
BILLED GALLONS/CO	6,790	91.67
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURC	24,050	48.10
LEAK GALLONS/PURC	2,790	5.58
<b>PAY (avg+leak cost)</b>		178.48
<b>WRITE OFF (billed-avg-purch cost)</b>		227.87
LATE PENALTIES TO ADJ		40.64

268.51

repaired leaking toilet

BILLED GALLONS/CO	30,530	340.70
BILLED GALLONS/CO	21,350	244.40
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURC	27,530	55.06
LEAK GALLONS/PURC	18,350	36.70
<b>PAY (avg+leak cost)</b>		106.97
<b>WRITE OFF (billed-avg-purch cost)</b>		389.52
LATE PENALTIES TO ADJ		58.51
SEWER	30,530	455.53
SEWER	21,350	319.57
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	27,530	407.72
LEAK SWR ADJ	18,350	271.76
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		679.48
SWR PENALTIES TO ADJ		77.51

1,205.02

replaced pop off valve

BILLED GALLONS/CO	12,690	153.56
BILLED GALLONS/CO	10,520	130.79
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURC	9,690	19.38
LEAK GALLONS/PURC	7,520	15.04
<b>PAY (avg+leak cost)</b>		71.29
<b>WRITE OFF (billed-avg-purch cost)</b>		146.11
LATE PENALTIES TO ADJ		0.00
SEWER	12,690	191.32
SEWER	10,520	159.19
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	9,690	143.51
LEAK SWR ADJ	7,520	111.38
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		254.89
SWR PENALTIES TO ADJ		0.00

401.00

repaired broken line under home

BILLED GALLONS/CO	9,880	124.08
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BILLED GALLONS/CO	8,930	114.12
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURC	6,880	13.76
LEAK GALLONS/PURC	5,930	11.86
<b>PAY (avg+leak cost)</b>		65.67
<b>WRITE OFF (billed-avg-purch cost)</b>		108.76
LATE PENALTIES TO ADJ		15.14
SEWER	9,880	149.70
SEWER	8,930	135.63
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	6,880	101.89
LEAK SWR ADJ	5,930	87.82
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		189.71
SWR PENALTIES TO ADJ		18.82

332.43

pool fill up; sewer only

BILLED GALLONS/CO	31,480	350.67
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURC	27,480	54.96
<b>PAY (avg+leak cost)</b>		117.36
<b>WRITE OFF (billed-avg-purch cost)</b>		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	31,480	469.60
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	27,480	406.98
SWR PAY (AVG-LEAK)		62.62
SWR WRITE OFF		406.98
SWR PENALTIES TO ADJ		0.00

406.98

pool fill up; sewer only

BILLED GALLONS/CO	11,820	144.43
BILLED GALLONS/CO	9,540	120.51
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURC	5,820	11.64
LEAK GALLONS/PURC	3,540	7.08
<b>PAY (avg+leak cost)</b>		95.02
<b>WRITE OFF (billed-avg-purch cost)</b>		0.00
LATE PENALTIES TO ADJ		
SEWER	11,820	178.43
SEWER	9,540	144.67
AVG SEWER/BILL	6,000	92.24
LEAK SWR ADJ	5,820	86.19
LEAK SWR ADJ	3,540	52.43
SWR PAY (AVG-LEAK)		184.48
SWR WRITE OFF		138.62
SWR PENALTIES TO ADJ		17.84

156.46

repaired broken line under home

BILLED GALLONS/CO	7,060	94.50
BILLED GALLONS/CO	5,510	78.24
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH	4,060	8.12
LEAK GALLONS/PURCH	2,510	5.02
<b>PAY (avg+leak cost)</b>		116.96
<b>WRITE OFF (billed-avg-purch cost)</b>		55.78
LATE PENALTIES TO ADJ		0.00

55.78

pool fill up; sewer only

BILLED GALLONS/CO	4,450	67.12
BILLED GALLONS/CO	4,380	66.39
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH	1,450	2.90
LEAK GALLONS/PURCH	1,380	2.76
<b>PAY (avg+leak cost)</b>		54.81
<b>WRITE OFF (billed-avg-purch cost)</b>		0.00
LATE PENALTIES TO ADJ		
SEWER	4,450	68.28
SEWER	4,380	68.25
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	1,450	20.47
LEAK SWR ADJ	1,380	20.44
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		40.91
SWR PENALTIES TO ADJ		6.83

47.74

repaired broken line

BILLED GALLONS/CO	41,150	452.10
BILLED GALLONS/CO	19,080	220.59
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH	38,150	76.30
LEAK GALLONS/PURCH	16,080	32.16
<b>PAY (avg+leak cost)</b>		128.21
<b>WRITE OFF (billed-avg-purch cost)</b>		460.41
LATE PENALTIES TO ADJ		15.14
SEWER	41,150	612.81
SEWER	19,080	285.95
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	38,150	565.00
LEAK SWR ADJ	16,080	238.14
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		803.14
SWR PENALTIES TO ADJ		18.82

1,297.51

repaired leaking toilet

BILLED GALLONS/CO	37,930	418.33
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	35,930	71.86
<b>PAY (avg+leak cost)</b>		113.28
<b>WRITE OFF (billed-avg-purch cost)</b>		305.05
LATE PENALTIES TO ADJ		0.00

305.05

replaced lines from meter to home

BILLED GALLONS/CO	48,000	523.96
BILLED GALLONS/CO	32,170	385.33
AVG GALLONS/BILL	13,000	156.81
LEAK GALLONS/PURCH	35,000	70.00
LEAK GALLONS/PURCH	19,170	38.34
<b>PAY (avg+leak cost)</b>		421.96
<b>WRITE OFF (billed-avg-purch cost)</b>		487.33
LATE PENALTIES TO ADJ		0.00

487.33

repaired line from meter to home

BILLED GALLONS/CO	12,860	155.34
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	10,860	21.72
<b>PAY (avg+leak cost)</b>		63.14
<b>WRITE OFF (billed-avg-purch cost)</b>		92.20
LATE PENALTIES TO ADJ		15.53

107.73

repaired broken line near water heater

BILLED GALLONS/CO	14,370	171.18
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	12,370	24.74
<b>PAY (avg+leak cost)</b>		66.16
<b>WRITE OFF (billed-avg-purch cost)</b>		105.02
LATE PENALTIES TO ADJ		0.00

105.02

repaired water leak under home

BILLED GALLONS/CO	11,720	143.38
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH	7,720	15.44
<b>PAY (avg+leak cost)</b>		77.84
<b>WRITE OFF (billed-avg-purch cost)</b>		65.54
LATE PENALTIES TO ADJ		14.34

79.88

repaired broken line under home

BILLED GALLONS/CO	22,670	258.25
BILLED GALLONS/CO	11,510	252.37
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH	17,670	35.34



LEAK GALLONS/PURCH	6,510	13.02
<b>PAY (avg+leak cost)</b>		194.14
<b>WRITE OFF (billed-avg-purch cost)</b>		316.48
LATE PENALTIES TO ADJ		51.07

367.55

repaired leaking toilet

BILLED GALLONS/CO	73,260	788.94
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	71,260	142.52
<b>PAY (avg+leak cost)</b>		183.94
<b>WRITE OFF (billed-avg-purch cost)</b>		605.00
LATE PENALTIES TO ADJ		0.00

605.00

replaced lines that had come apart under home

BILLED GALLONS/CO	7,420	98.28
BILLED GALLONS/CO	4,540	68.06
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH	4,420	8.84
LEAK GALLONS/PURCH	1,540	3.08
<b>PAY (avg+leak cost)</b>		115.74
<b>WRITE OFF (billed-avg-purch cost)</b>		50.60
LATE PENALTIES TO ADJ		25.07

75.67

repaired broken line; 2nd month

BILLED GALLONS/CO	28,740	321.92
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	26,740	53.48
<b>PAY (avg+leak cost)</b>		94.90
<b>WRITE OFF (billed-avg-purch cost)</b>		227.02
LATE PENALTIES TO ADJ		0.00
SEWER	28,740	321.92
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	26,740	288.92
<b>SWR PAY (AVG-LEAK)</b>		33.00
<b>SWR WRITE OFF</b>		288.92
<b>SWR PENALTIES TO ADJ</b>		0.00

515.94

pool fill up; sewer only

BILLED GALLONS/CO	11,240	173.59
BILLED GALLONS/CO	5,480	67.75
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH	7,240	14.48
LEAK GALLONS/PURCH	1,480	2.96
<b>PAY (avg+leak cost)</b>		76.88
<b>WRITE OFF (billed-avg-purch cost)</b>		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	11,240	219.61

SEWER	5,480	70.17
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	7,240	156.99
LEAK SWR ADJ	1,480	7.55
SWR PAY (AVG-LEAK)		125.24
SWR WRITE OFF		164.54
SWR PENALTIES TO ADJ		0.00

164.54

pool fill up; sewer only

BILLED GALLONS/CO	32,140	357.59
BILLED GALLONS/CO	10,420	129.75
AVG GALLONS/BILL	9,000	114.85
LEAK GALLONS/PURCH	23,140	46.28
LEAK GALLONS/PURCH	1,420	2.84
PAY (avg+leak cost)		161.13
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		
SEWER	32,140	479.37
SEWER	10,420	157.70
AVG SEWER/BILL	9,000	136.67
LEAK SWR ADJ	23,140	342.70
LEAK SWR ADJ	1,420	21.03
SWR PAY (AVG-LEAK)		273.34
SWR WRITE OFF		363.73
SWR PENALTIES TO ADJ		6.83

370.56

repaired line between meter and home

BILLED GALLONS/CO	25,280	285.63
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	23,280	46.56
PAY (avg+leak cost)		87.98
WRITE OFF (billed-avg-purch cost)		197.65
LATE PENALTIES TO ADJ		0.00

197.65

replaced leaking water hose

BILLED GALLONS/CO	12,960	156.39
BILLED GALLONS/CO	10,810	133.84
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	10,960	21.92
LEAK GALLONS/PURCH	8,810	17.62
PAY (avg+leak cost)		122.38
WRITE OFF (billed-avg-purch cost)		167.85
LATE PENALTIES TO ADJ		12.69

180.54

pool fill up; sewer only

BILLED GALLONS/CO	11,240	138.35
BILLED GALLONS/CO	5,480	77.93

AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH	7,240	14.48
LEAK GALLONS/PURCH	1,480	2.96
<b>PAY (avg+leak cost)</b>		76.88
<b>WRITE OFF (billed-avg-purch cost)</b>		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	11,240	169.84
SEWER	5,480	84.54
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	7,240	107.22
LEAK SWR ADJ	1,480	21.92
SWR PAY (AVG-LEAK)		125.24
SWR WRITE OFF		129.14
SWR PENALTIES TO ADJ		0.00

129.14

repaired broken line

BILLED GALLONS/CO	14,140	168.77
BILLED GALLONS/CO	12,300	149.47
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	12,140	24.28
LEAK GALLONS/PURCH	10,300	20.60
<b>PAY (avg+leak cost)</b>		127.72
<b>WRITE OFF (billed-avg-purch cost)</b>		190.52
LATE PENALTIES TO ADJ		14.95

205.47

repaired line under home

BILLED GALLONS/CO	9,120	116.11
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	7,120	14.24
<b>PAY (avg+leak cost)</b>		55.66
<b>WRITE OFF (billed-avg-purch cost)</b>		60.45
LATE PENALTIES TO ADJ		0.00

60.45

replaced toilet flapper

BILLED GALLONS/CO	31,580	351.71
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH	28,580	57.16
<b>PAY (avg+leak cost)</b>		109.07
<b>WRITE OFF (billed-avg-purch cost)</b>		242.64
LATE PENALTIES TO ADJ		0.00

242.64

replaced lines that had come apart under home

BILLED GALLONS/CO	21,950	250.70
BILLED GALLONS/CO	6,220	85.69
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH	19,950	39.90
LEAK GALLONS/PURCH	4,220	8.44

PAY (avg+leak cost)		131.18
WRITE OFF (billed-avg-purch cost)		205.21
LATE PENALTIES TO ADJ		25.07

**230.28**



**Regulatory Compliance Report**  
**Mark Mahler, Director of Safety & Regulatory Compliance**

Alliance tracks new and proposed legislative and regulatory issues on an ongoing basis on behalf of its clients. This quarterly report identifies some of the most impactful issues at the Federal and State levels.

**3rd Quarter 2024, Federal**

**FIRST-EVER NATIONAL DRINKING WATER STANDARDS FOR PFAS**

EPA has finalized a national drinking water standard for per- and polyfluoroalkyl substances (PFAS) with the following limits and time frames.

Chemical	Max Containment Level Goal (MCLG)	Max Containment Level (MCL)	Timeframe* See Below
PFOA	0	4.0 ppt	
PFOS	0	4.0 ppt	
PFNA	10 ppt	10 ppt	
PFHxS	10 ppt	10 ppt	
HFPO-DA	10 ppt	10 ppt	
Mixture of 2 or more: PFNA, PFHxS, HFPO- DA, AND PFBS	Hazard Index of 1	Hazard Index of 1	
Maximum Containment Level Goal (MCLG): The level of containment in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety and are non-enforceable public health goals.			

\*It appears that drinking water systems get 3 years to determine if they have PFAS to remove from their system, and then two additional years to install any needed capital improvements.

The AWWA and AMWA are appealing EPA’s implementation of these rules because they believe:

- EPA did not rely on the best available science.
- EPA did not rely on the most recent PFAS occurrence data.
- EPA impermissibly used novel approaches as the basis for certain portions of the rule.
- EPA finalized this rule without following the process mandated by Congress.
- EPA did not allow an adequate opportunity for public comment.
- EPA did not adequately address water system concerns, including the impact of the rule on low- and fixed-income ratepayers.
- EPA has significantly underestimated the costs of this rule and the adverse impact that it will have on individual water users.

We will continue to monitor and give updates as they become available.



## **2024 Regulatory Compliance Report**

### **Mark Mahler, Director of Safety & Regulatory Compliance**

Alliance tracks new and proposed legislative and regulatory issues on an ongoing basis on behalf of its clients. This quarterly report identifies some of the most impactful issues at the Federal and State levels.

### **3rd Quarter 2024, Kentucky**

#### **Cybersecurity threats on the rise:**

The Water and Wastewater Sector depends on the digital world, leveraging technology for monitoring, operations and communicating with customers. Any disruption to a drinking water or wastewater system digital ecosystem could have significant impacts to the community its serves as well as to other critical infrastructure. Where Alliance Water Resources has access to computer systems, such as SCADA, we are providing the following services.

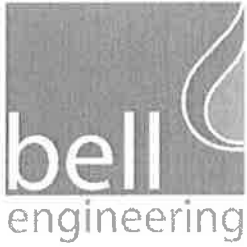
- Maintaining firewalls, updating and patching as needed.
- Running vulnerability assessments.
- Monitoring EDR (endpoint detection and response) software.

CISA and EPA have teamed up and provide excellent tools and resources such as a Water System Toolkit and Cyber Vulnerability Scanning for water systems. These can be found at [cisa.gov/water](https://cisa.gov/water) along with other helpful information.

EPA recently sent out an ALERT about fraudulent EPA Notice of Violation letters and attempts to collect a payment of \$25,000 within three (3) business days.

#### **Lead & Copper in Water:**

The Lead in Drinking Water Working Group will hold a hybrid meeting (in person at 300 Sower Blvd in Frankfort and by videoconference) on July 31, 2024, at 10 a.m. EDT.



UPDATE

MARTIN COUNTY WATER DISTRICT  
 MARTIN COUNTY, KENTUCKY  
 August 2024

**SUMMARY OF PROJECT FUNDING:**

<u>Source</u>	<u>Amount</u>	<u>Associated Project(s)</u>
AMLER (2017)	\$3,450,000	A,B,C
COE 531 Partnership (25% Match)	\$1,869,718	B,C
ARC Grant	\$1,200,000	D
AMLER (2018)	\$2,000,000	E
FEMA/STATE	\$1,201,000	K
COE 531 Partnership	<u>\$1,500,000</u>	B
<b>TOTAL GRANT</b>	<b>\$11,220,718</b>	

**A. RWI&WTP IMPROVEMENTS**

1. The WTP and RWI sites were surveyed.
2. Basins were documented for condition assessment.
3. The Preliminary Engineering Report for the project was completed and distributed.
4. The Phase I Environmental Site Assessment required by the Corps of Engineers was completed and submitted.
5. Vendor proposals for replacement equipment were requested and reviewed.
6. Plans and specifications were developed.
7. Project mapping for NEPA purposes was submitted to AML on February 6, 2020.
8. Project description and Opinion of Probable Construction Costs were submitted to AML on February 17, 2020.
9. Project was submitted for DOW review on March 13, 2020. DOW Construction Permit issued on June 3, 2020.
10. Project was submitted for a COE 4345 Permit Application review on March 20, 2020. Permit was issued on June 8, 2020.
11. The AML Authorization to Proceed was granted on July 31, 2020.
12. The Project was submitted to DOW for a Permit to Construct Along or Across a Stream on April 14, 2020. The DOW requested a public notice be run in the Mountain Citizen newspaper. The notice ran on June 24th, July 1st and July

- 8th. The period for public comments or objections related to the project ran through July 29<sup>th</sup>. The permit was issued on August 13, 2020.
13. Project was submitted to Corps of Engineers for Plan and Specification Review March 20, 2020. Corps provided review comments on April 28, 2020. Final plans and specifications including all electrical and structural components of the project were forwarded to the Corps of Engineers for final review during the week of July 13<sup>th</sup>. The Corps of Engineers completed its review of the final plans / specifications including the opinion of probable cost and certified the package.
  14. The Corps of Engineers advertised the Draft Environmental Assessment (DEA) and Finding of No Significant Impact (FONSI) for the project on August 4, 2020 for the 30-day public comment period. KY SHPO requested further consultation. The FONSI was issued October 29, 2020.
  15. Project was sent out for bidding on November 11, 2020.
  16. A pre-bid meeting for interested contractors was held @ 1:00 p.m. on December 1, 2020.
  17. Bids for the project were originally received on December 15, 2020 at 1:00 p.m. Only one bid was received (submitted by Pace Contracting). The project bid was in excess of the available funds.
  18. The project was rebid.
  19. Bids for the project rebid were opened on April 13<sup>th</sup> at 1:00 p.m. at the office of the Big Sandy Area Development District. There were four plan holders for the rebid. Only one bid was received (submitted by Pace Contracting).
  20. The bid submitted by Pace was \$3,858,387.00.
  21. The base bid of \$3,858,387.00 submitted compares to a base bid of \$3,396,220.00 submitted by Pace in December 2020. The difference was \$462,167.00 between the bids.
  22. The combined base bids for the RWI/WTP Project and Water Line Replacement in the Beauty/Lovely Project exceeded the funds available for construction activities. Given the grave condition of the Raw Water Intake and Water Treatment Plant, the MCWD took the following actions:
    - A. Deferred the construction of the Water Line Replacement in the Beauty / Lovely area until a later date and use the funds budgeted for this project for construction of the RWI/WTP Project.
    - B. Continued submitting funding requests in an effort to obtain funding to construct the Water Line Replacement Project in the Beauty / Lovely area as soon as possible.
    - C. Awarded the Raw Water Intake / Water Treatment Plant Project to Pace Contracting based on the base bid received with the deletions outlined in Table 1.



**TABLE 1**

DESCRIPTION	PRIORITY TO ADD BACK	AMOUNT
Base Bid submitted by Pace Contracting, Inc.	N/A	\$3,858,387.00
Delete - Backup Generator	1	\$ (175,000.00)
Delete - Roof Replacement over Garage	2	\$ (31,818.00)
Delete - 60' & 20' Sections of 10-Inch Pipe	3	\$ (11,143.00)
Delete - Cash Allowance for Second Trailer	4	\$ (20,000.00)
Delete - Temporary Piping	N/A	\$ (10,000.00)
Change - Augur Cast Piles to Micro Piles	N/A	\$ (17,000.00)
Change - Buried Conduit from Rigid to PVC	N/A	\$ (20,000.00)
Reduce - Pace Markup	N/A	\$ (50,000.00)
Reduce - Various Unit Price Items	N/A	\$ (50,000.00)
<b>TOTAL AWARD AMOUNT</b>		<b>\$ 3,473,426.00</b>

23. A letter awarding the project to Pace under the conditions outlined in Table 1 and subject to concurrence of all the state and federal agencies was sent to Pace on July 9 2021.
24. Authorization to Proceed was received from AML on September 1, 2021. The USACE had previously granted approval.
25. Executed contract books and bonds were received from Pace on September 8, 2021.
26. A preconstruction meeting was held on September 22, 2021 at the offices of the Big Sandy Area Development District.
27. Contract books were signed and dated by the Big Sandy Area Development District at the preconstruction meeting.
28. A Notice to Proceed (NTP) was issued at the preconstruction meeting. The contract required the contractor be given ten days from the issuance of the NTP before the contract time started.
29. The Contract time began on October 4, 2021.
30. Generator start-up and training have been performed.
31. Programming of Treatment Unit 1 has been performed.  
Since our last meeting---
32. Pace, Alliance and Bell are continuing to meet weekly in an effort to get the project wrapped up as soon as possible.
33. Unit 1 continues to run and produce water.
34. Unit 3 remains shut down as construction activity is now concentrated on this unit. All water continues to be produced by Units 1 and 2.
35. The bearings have been replaced in Unit 3.
36. Tube Settler Supports and Tube Settler Modules have been installed.
37. The Contractor has made the electrical connections for all drives and motors.

38. Pace retained Allied Pumps to assist in making the connection at the raw water intake. Allied came back asking to make the connection a different way at a substantial cost. Their proposal was received this week and is being evaluated by the design team.

**B. WARFIELD AREA LINE IMPROVEMENTS**

1. Bell was able to locate several sets of As-Built Drawings of the water distribution system. Bell scanned copies of all plan sets and returned to MCWD with digital copies of plan sets for MCWD future use.
2. Bell and MCWD personnel have been in the field multiple times locating existing lines, surveying existing meters, valves and fire hydrants and determining routing of new water lines.
3. Location of features affecting alignment of the waterline have been completed.
4. The Phase I Environmental Site Assessment required by the Corps of Engineers was completed and submitted.
5. Plans and specifications have been developed.
6. Project mapping for NEPA purposes was submitted to AML on February 10, 2020.
7. Project description and Opinion of Probable Construction Costs were submitted to AML on February 17, 2020.
8. Project was submitted for DOW review on March 13, 2020. DOW Construction Permit was issued on April 27, 2020.
9. Project submitted to Corps of Engineers Plan and Specification Review March 20, 2020. Corps provided review comments on April 28, 2020. Bell responded to comments and resubmitted plans/specifications on May 7, 2020. The Corps of Engineers completed its review of the final plans / specifications including the opinion of probable cost and certified the package.
10. Project was submitted to KYTC on April 6, 2020 for review. KYTC Encroachment Permit was issued on May 13, 2020.
11. Submitted to DOW for Permit to Construct Along or Across a Stream April 14, 2020. The permit was issued on June 17, 2020.
12. The AML Authorization to Proceed was granted on July 31, 2020.
13. The Corps of Engineers advertised the Draft Environmental Assessment (DEA) and Finding of No Significant Impact (FONSI) for the project on August 4, 2020 for the 30-day public comment period. KY SHPO requested further consultation. The FONSI was issued October 29, 2020.
14. Project was sent out for bidding on November 11, 2020.
15. A pre-bid meeting for interested contractors was held @ 11:00 a.m. on December 1, 2020.
16. Bids for the project were originally received on December 15, 2020 at 11:00 a.m. Five bids were received.

17. The project was rebid.
18. Bids for the project rebid were opened on March 30, 2021 at 11:00 a.m. at the office of the Big Sandy Area Development District. There were six plan holders for the rebid. Three bids were received (BP Pipeline, Buchannan Contracting, and Conkurs, LLC).
19. The low bid was submitted by Conhurst with a base bid of \$910,810.00 and a total bid with alternate of \$1,744,066.00.
20. \$1.5M in additional project funding through the Corps of Engineers is available for the project. Changes have been made to the plans in order to better align the proposed scope with available funds. The revised plans have been reviewed with representatives of Alliance.
21. Locations of new valves in the Warfield area, a tie-in of the line along Firehouse Lane to Route 282, and valving in the Groundhog Lane area on both the sideline/mainline have been added.
22. Permission to bid the project has been received from the Corps of Engineers.
23. The project was advertised for bidding through both the local paper (December) and Lynn Imaging (November and December). A total of eight (8) Contractors picked up project plans.
24. Bids were opened on December 20, 2023. The low bid was determined by the base bid (Collins Creek). Only Collins Creek was awarded for construction.
25. The District accepted the bid submitted by Boca Enterprises and awarded the job to Boca.
26. Contract books have been executed.
27. A pre-construction conference was held on May 29<sup>th</sup>.
28. An issue arose concerning the need for a roadway permit from the City of Warfield to excavate in and along Collins Creek Roadway. That permit has been secured.
29. Big Sandy ADD had asked the Notice to Proceed be held while they work out an issue with the County concerning the match money. That issue was resolved and the Notice to proceed was issued on June 21<sup>st</sup> instructing the contractor to begin work on or before July 1<sup>st</sup>.
30. Work began on July 1<sup>st</sup>. The contractor has been laying mainline. The Contractor will likely complete installation of the mainline next week. He will then start installing the meters.

### C. WATER SYSTEM HYDRAULIC MODELING

1. Document is required by PSC
2. Bell has completed field review of RWI, WTP, Storage Tanks, Pumping Stations and PRV's.
3. Bell & UK met in Martin County on June 21, 2019 to coordinate collection of field data the week of July 8, 2019. This effort was for calibration of the Hydraulic Model.
4. UK professors and 3 students traveled to Martin County on July 8, 2019 to begin effort of collecting field data (pressures and flows) at key points

throughout the water distribution system. Bell had a team of four individuals that were to join the UK team on July 10, 2019; however, MCWD had some major line breaks on July 9, 2019 and were unable to recover water supply during the week to allow flowing water from hydrants.

5. The effort to collect flow data was rescheduled for August 6 and 7, 2019, however, on August 5, 2019 MCWD has a failure of a PRV which would not allow the flowing of the hydrants.
6. The collection of the field data was rescheduled and occurred on August 14 and 15, 2019.
7. Field data has been reviewed. UK returned to the field in an effort to repeat two tests for the Hazen Williams coefficient that appeared suspect.
8. Money is in place to pay for the Hydraulic Model through AML 2017 Grant. OSM refused to allow for payment of the CIP through the 2018 Grant. The funds associated with that have been realigned toward additional waterline replacement.
9. UK delivered testing forms to Bell.
10. PRVs, tanks, lines, etc. have been input into the model.
11. Alliance Resources provided usage data and address information for each customer to effectively distribute demand throughout the system.
12. Model was calibrated using field collected data.
13. Bell has been working with UK to coordinate modeling efforts.
14. A Zoom meeting was held between the Kentucky Division of Water, University of Kentucky and Bell on July 1, 2020 to discuss the modeling. A second Zoom meeting was held on July 7, 2020 between UK and Bell to further discuss items that are needed.
15. Data has been shared between UK and Bell.
16. A trip to obtain additional field data was made in mid-July 2020.
17. The hydraulic model is operational and has been checked against previously recorded field observations. The results being output by the model are consistent with the observations obtained in the field.
18. Bell and UK are sharing model information.
19. It was discussed that the proposed Capital Improvement Plan had been deleted from the project due to OSM declining to allow funds to be used for this purpose. See Item 8 above.

**D. ARC WATERLINE REPLACEMENT/TELEMETRY PROJECT**

1. Bell received the signed contract on August 2, 2019.
2. Bell and MCWD personnel have been in the field multiple times locating existing lines, surveying existing meters, valves and fire hydrants and determining routing of new water lines.
3. Location of all features affecting alignment of the waterline has been completed including gas lines.

4. Plans and specifications have been developed.
5. Project was submitted for DOW review on March 27, 2020. DOW Construction Permit issued April 27, 2020.
6. Project was submitted to KYTC on April 6, 2020 for review. KYTC Encroachment Permit was issued April 24, 2020.
7. Bids for the project were opened on May 29, 2020. Three bids were received for the project. The low bid in the amount of \$390,725.00 was submitted by Boca Enterprises, Inc.
8. A conversation was held with DLG representative on June 8, 2020 concerning using the remaining funds to continue laying additional mainline & service lines, along with, installing new meters in the Lovely area. ARC approved allowing the funds to be used to replace additional mainline, service line and water meters.
9. Issues were resolved with the Contractor concerning contract time associated with the additional construction activities.
10. The Contract has been executed and the Contractor has submitted the required performance and payment bonds.
11. A preconstruction meeting was held on September 9, 2020 at the offices of Alliance Water Resources.
12. Project construction was completed.
13. Record Drawings have been forwarded to the MCWD. Bell received the final signed Contractor pay request, the release of liens and claims and consent of surety. This information was forwarded on to the District and Big Sandy Area Development District for execution and processing.
14. The original project is closed.
15. There is \$85,832 in unspent funds from this project. The district is adding telemetry to the KY 292 Pumping Station and KY 292 South Tank with these funds. This will allow the district to monitor tank levels and water usage remotely and respond in a timely manner to breaks in the line.
16. Bids were received for the telemetry on October 26<sup>th</sup>. The single bid received was submitted by Microcomm in the amount of \$47,246.00. Microcomm equipment is currently what the District utilizes and it was a contract requirement that the equipment supplied maintain continuity of the telemetry system.
17. Project was awarded to Microcomm.
18. The Contract for the project was executed by the District and Microcomm.
19. Microcomm has been onsite twice installing equipment. They are waiting on some equipment. The condition of the starter panel to start the pumps by telemetry is being evaluated.

**E. OTTO BROWN PUMP STATION AND LINE REPLACEMENT PROJECT**

1. Project budget was revised and sent to AML on September 19, 2019.

2. The Memorandum of Agreement between AML and BSADD was signed by BSADD on September 25<sup>th</sup>. The MOA was signed by AML on October 1, 2019.
3. A contract for engineering services has been executed by the Big Sandy Area Development District.
4. Bell and MCWD personnel went to the field to review potential tank and pump station sites.
5. The Preliminary Engineering Report for the project is complete and has been distributed.
6. Plans have been prepared for the 250,000-gallon water storage tank.
7. Bell, Alliance and MCWD coordinated with the mineral lease holder and the surface owner concerning location of the proposed tank and pump station. BSADD, Bell and Alliance representatives met with the property owner on January 30, 2020.
8. On March 3<sup>rd</sup>, the property owner advised most of the property is permitted with only a phase one bond release.
9. Bell and Alliance met on-site with the property owner on May 5, 2020 and permission to move forward was granted.
10. The site was surveyed on May 27, 2020 and topographic mapping was developed.
11. At the request of the MCWD, work on this project was previously paused.
12. A request was submitted to AML asking that the project scope be revised. Components that would remain in the project include:
  - Upgrade of the existing Davella Pumping Station
  - Construction of a Master Meter
  - Construction of a Booster Chlorination System
 Proposed revised scope components:
  - Relocate the proposed Pump Station so that it replaces the existing Otto Brown Station. This station is beyond its useful life and subject to confined space constraints.
  - Replace existing waterline in the vicinity of the Otto Brown Station that is subject to leaks.
  - Provide Modifications to the Middle Fork Tank rather than construct a new tank.
13. The request was approved by OSM.
14. Replacement water lines have been designed and reviewed with Alliance. The New Otto Brown Station has been designed and reviewed with Alliance. It will be built near the existing station. New station will be above ground concrete block structure in order to eliminate confined space issues. The Division of Water submittal has been prepared. All will be reviewed with Alliance.

- F. WATER LINE RELOCATION HUNTER'S LANE**
1. Met on-site with Bizzack Construction, Alliance Water Resources and representatives of other utilities.
  2. A scope of work for the project has been developed.
  3. Project is on hold.
- G. KY 908 GUARDRAIL PROJECT**
1. Met on-site with KYTC multiple times.
  2. KYTC has advised additional funds have been requested to perform this work. They will release the project for design when those funds are approved.
- H. SESTER BRANCH UTILITY RELOCATION**
1. Plans and specifications are 100% complete. Engineering contract has been approved by KYTC and forwarded to MCWD for signature. Project to be bid as soon as KYTC has all agreements in place and final review is conducted by with Alliance. We spoke with KYTC and are looking to send the project to Lynn Imaging next week and advertise shortly thereafter.
  2. The project is out for bid. Bids will be opened in September.
- I. REPLACE BRIDGE ON KY 40 OVER BUCK CREEK**
1. Met with KYTC to review proposed work. Both Engineering and construction related costs will be paid by KYTC.
  2. Received roadway plans from KYTC.
  3. Bell is preparing the new waterline alignment.
- J. HIGH SCHOOL PUMP STATION CHECK VALVE**
1. Project to move forward when funded. An updated project cost has been provided to Alliance.
- K. FEMA BACKUP GENERATOR PROJECT**
1. FEMA funded a project that includes the following:
    - One Generator to operate 750-HP VFD Controlled RWI Pump
    - Two Generators to operate 60-HP VFD Controlled Pumping Stations
  2. The district received a letter in April from FEMA advising of award in the amount of \$1,140,300.
  3. Project design is ongoing tracking toward completion when interim project funding is secured.
- L. KY 292 UTILITY RELOCATION**
1. Representatives of KYTC, Alliance and Bell Engineering met onsite to discuss the project.
  2. Bell has been onsite to survey the property.

3. Bell prepared relocation plans and reviewed with Alliance.
4. An Opinion of Construction Cost, relocation plans and proposed engineering contract were all sent to KYTC.
5. KYTC sent Notice to Proceed with final design on February 2<sup>nd</sup>.
6. Bids for the project will be opened in September.

**N. TURKEY TANK REHABILITATION**

1. Bell finalized and forwarded an opinion of probable cost to rehabilitate the Turkey Tank. The District has been advised it will receive funding for this project. Bell is preparing a contract for engineering services.

**T. COUNTYWIDE METER REPLACEMENT PROJECT**

1. Project would replace all meters (residential and commercial) in the Martin County Water District system. The District has been advised it will receive funding for this project. Bell is preparing a contract for engineering services.

**M. SPICY MOUNTAIN WATER EXTENSION**

1. An opinion of probable project cost for delivery of water from the Johnsn County side of the Mountain along with an interconnect between the Martin County and Paintsville systems has been prepared and forwarded to the Big Sandy ADD.

**O. INEZ UTILITY REPLACEMENT**

1. Met to discuss options for replacing the utilities in Inez. Since the streets will be torn up to replace these utilities, we are attempting to incorporate some economic development components as the streets are built back. These could include wayfinding signs, trails, parks, pavilions and streetscape improvements. Bell has finalized a contract for preliminary work that will and forwarded it to the Martin County Water District for consideration. The district has forwarded it to the City of Inez and Martin County Fiscal Court for consideration. An updated project profile has been prepared and forwarded to the Big Sandy ADD.

**P. 40E WATER IMPROVEMENT PROJECT**

1. Project would remove existing water connections from a waterline that is leaking and move them to a 10" parallel line. The leaking line would then be removed from service. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration. An updated project cost was prepared at the request of AML. An updated project profile is being prepared and forwarded to the Big Sandy ADD.



**Q. COLDWATER WATER IMPROVEMENT PROJECT**

1. Project would replace the existing waterline, service line and meters in the Coldwater area. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.

**R. OLD ROUTE 3 WATER IMPROVEMENT PROJECT**

1. Project would replace the existing waterline, service line and meters in the Old Route 3 area of the county. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.

**S. WATER IMPROVEMENT PROJECT BETWEEN WTP AND TURKEY TANK**

1. Project would replace the existing waterline, service line and meters between the WTP and the Turkey Tank. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.

**U. PREPARED OPINION OF PROBABLE PROJECT COSTS FOR THE FOLLOWING PROJECTS**

- Bell has prepared two different scopes for the project with associated opinions of probable project cost. ADD intends to prepare an AMLER grant application.
- An updated project cost was prepared at the request of the Martin County Water District.
- Distribution Building and Pipe Yard
- 292 Booster Station and Water Line Replacement
- Big Elk Water Line Replacement and Booster Station Rehabilitation
- Buffalo Horn Water Line Replacement and Booster Pump Station Rehabilitation
- 645 Water Line Replacement and Booster Station Rehabilitation
- Wolf Creek/Pigeon Roost Water Line Replacement
- Meathouse Water Line Replacement and Booster Station Rehabilitation
- Hode Water Line Replacement
- Cassell Branch Water Line Replacement and Booster Pump Station Rehabilitation
- Creek Crossing Replacement Project
- Valve Insertion Project
- Big Lick Water Line Replacement and Booster Station Rehabilitation
- Peter Cave Water Line Replacement and Booster Pump Station Rehab
- Kermit Water Line Connection

MARTIN COUNTY WATER DISTRICT 5 YEAR CAPITAL ITEMS							
CAPITAL PROJECTS IN GRANT PROCESS	Pnum	PRIORITY	GRANT PORTAL YEAR	CONSTRUCTION YEAR	COST	FUNDING SOURCE	COMMENTS
RT 40E - WATER IMPROVEMENT PROJECT	WX21159019	1	2023		\$ 975,000	IN GRANT PORTAL	MOVING 50' CUSTOMERS TO NEWER 10' LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING
TURKEY WATER LINE REPLACEMENT	WX21159026	2	2023		\$ 6,822,000	IN GRANT PORTAL	REPLACING LINE FROM THE WATER PLANT TO THE TURKEY TANK. THIS LINE HAS HAD MULTIPLE LEAKS OVER THE YEARS AND IS A CRITICAL POINT FOR A LARGE SERVICE AREA IN THE SYSTEM.
COLDWATER LINE REPLACEMENT	WX21159023	2	2023		\$ 8,419,000	IN GRANT PORTAL	UP TO 4 WATER LINES IN THE SAME AREA WITH MANY WEAK POINTS
WATER PLANT CLARIFIER III REHAB		1	2020	2023	\$ 250,000	AML	THIS PROJECT WILL BE COMPLETED AS PART OF A LARGER PROJECT CURRENTLY UNDERWAY. RAKE DRIVE BEARING IS OUT.
TURKEY STORAGE TANK REHAB	WX21159025	1	2023		\$ 681,000	IN GRANT PORTAL	TANK IS ONE OF THE OLDEST AND IN THE WORST CONDITION IN OUR SYSTEM.
Project 113-19-03 Replace Existing Mainline, Water Meters, Service Line, Valves & Hydrants in the Warfield Area	WX21159006	3	2019		\$ 1,260,658	AML	EXISTING PROJECT BIDDING SOON
Projects 113-19-05 & 113-19-06 Rehabilitation of Otto Brown Booster Station, Line replacement to Middlefork Tank, Upgrade of Davella Booster Station		1	2019	Scope changed 2022	\$ 750,000		REPLACING FAILING UNDERGROUND BOOSTER STATION IN THE SYSTEM TO ASSIST IN PROVIDING WATER TO THE AIRPORT, PRISON AND DAVELLA REGION
FEMA BACKUP GENERATOR PROJECT	WX21159015	1	2022		\$ 1,320,000	FEMA	WILL BE GENERATOR AT 40E AND 40W BOOSTER STATIONS AND THE RAW WATER INTAKE
METER REPLACEMENT PROJECT	WX21159013	1	2023		\$ 2,000,000	IN GRANT PORTAL	REDUCE WATER LOSS, EFFICIENCY IN OPERATIONS AND ELIMINATION OF HUMAN ERROR IN METER READING
HIGH SCHOOL PUMP STATION CHECK VALVE		1	2022		\$ 81,000.00		ENABLE THE DISTRICT TO USE THE HIGH SCHOOL TANK TO PROVIDE WATER TO OTHER AREAS OF THE SYSTEM BESIDES THE HIGHSCHOOL. THIS PROJECT WILL REQUIRE A PIT INSTALLED IN THE GROUND ALONG WITH THE CHECK VALVE.
OLD ROUTE 3 - WATER IMPROVEMENT PROJECT	WX21159024	1	2023		\$ 5,066,000.00	IN GRANT PORTAL - UNFUNDED	THIS PROJECT WILL REPLACE TRANSMISSION LINE, SERVICE LINE AND METERS ALONG OLD ROUTE 3. A LINE THAT TYPICALLY SEES A LOT OF LINE LEAKS. IT WILL INSTALL VALVES EVERY 500' FOR FUTURE LEAK DETECTION.
MARTIN COUNTY WATER DISTRICT - LEAD SERVICE LINE INVENTORY	WX21159018	3	2023		\$ 299,250.00	IN GRANT PORTAL - UNFUNDED	The project is for the Utility to conduct a Lead Service Line Inventory as required under 40 CFR 141.84. This project consists of a system wide Lead Service Line (LSL) Inventory. This shall include a comprehensive inventory of each service connection within the system to determine the service line material on both sides of the meter.
WATER SYSTEM CONTROLS AND RAW WATER MODIFICATIONS PHASE III	WX21159018	3	2022		\$ 2,563,852.00	IN GRANT PORTAL - UNFUNDED	1) Replacement of Treatment Unit No. 2's Sludge Collector Drive, 2) An additional 20-Foot Section of the 10-inch DR 11 HDPE 4710 Pipe and an additional 20-Foot Section of 12" DR11 HDPE Pipe, 3) Paving of the Access Road at the Raw Water Intake Site, 4) Replacement of Carbon Steel Tube Settler Supports with 304/304L Stainless Steel Supports, 5) 60-Foot and 20-Foot Sections of 10-inch DR11 HDPE 4710 Flanged Pipe, 6) A second Pump Trailer, 7) Various Unit Price Items, 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances.
TOTAL					\$ 30,487,760		

MARTIN COUNTY WATER DISTRICT CAPITAL ITEMS				
PROJECTS NOT IN GRANT PROCESS	PRIORITY	YEAR	COST	COMMENTS
INEZ WATER LINE AND VALVE REPLACEMENT	1		\$ 5,318,000.00	OLDEST SECTION OF THE SYSTEM CONSISTING OF AC LINE AND OLD SERVICES, 90% WATER LOSS
DISTRIBUTION BUILDING AND PIPE YARD	3		\$ 897,000.00	CURRENT STAFF USE THE WATER PLANT PARKING LOT FOR STORAGE OF VEHICLES AND PARTS. THE CURRENT EQUIPMENT AND VEHICLES ARE LEFT IN THE ELEMENTS WHICH CAUSE DAMAGE OVER TIME
292 BOOSTER STATION AND WATER LINE REPLACEMENT	1		\$ 9,293,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL. A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION.
BIG ELK WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	2		\$ 2,433,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL. A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION.
BUFFALO HORN WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	2		\$ 2,186,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL AND THE CHECK VALVES HAVE FAILED. THIS AREA CURRENTLY HAS 65% WATER LOSS AND A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION.
645 WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	3		\$ 1,255,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. THIS STATION NEEDS EQUIPPED WITH A MASTER METER FOR LEAK DETECTION IN THIS AREA.
WOLF CREEK/PIGEON ROOST WATER LINE REPLACEMENT	2		\$ 1,315,000.00	THE WATER LINE IN THIS AREA IS SUBJECT TO MULTIPLE BREAKS EACH YEAR AND CURRENTLY HAS 60% WATER LOSS. NEW LINE IN THIS AREA WITH VALVES WILL REDUCE WATER LOSS AND AID IN LEAK DETECTION IN OTHER LARGE PORTIONS OF THE SYSTEM.
MEATHOUSE WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	3		\$ 7,652,000.00	THIS WATER LINE IS THE FARTHEST AWAY FROM THE SYSTEM AND AN AREA THAT HAS SHOWN POTENTIAL FOR DBP ISSUES, THE BOOSTER STATION ONLY HAS ONE OPERATIONAL PUMP THAT MUST BE MANUALLY OPERATED CAUSING OPERATIONAL ISSUES. THIS STATION IS SUBJECT TO MULTIPLE POWER OUTAGES AND HAS NOT BACKUP POWER.
HODE WATER LINE REPLACEMENT	2		\$ 5,226,000.00	THIS AREA HAS BEEN SUBJECT TO MULTIPLE LEAKS. IT CURRENTLY

CASSELL BRANCH WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	3		\$ 1,574,000.00	EXISTING BOOSTER STATION ONLY HAS 1 FUNCTIONAL PUMP. NO TELEMTRY TO PLANT AND NO BACK UP POWER. SEVERAL HYDRAULIC ISSUES WITH THE WATER LINES THAT HAVE LED TO LOW PRESSURE FOR CUSTOMERS AND MANY LEAKS.
CREEK CROSSING REPLACEMENT	2		\$ 1,000,000.00	STATISTICALLY CREEK CROSSINGS CAN BE A MAJOR AREA FOR WATER LOSS THAT IS DIFFICULT TO FIND. NEW CREEK CROSSINGS IN STRATEGIC AREAS WOULD HELP REDUCE WATER LOSS AND INCREASE THE LONGEVITY OF THE SYSTEM.
VALVE INSERTION	2		\$ 750,000.00	MANY VALVES IN THE SYSTEM ARE INOPERABLE AND IN NEED OF REPLACEMENT. ADDITIONALLY, VAVLES ARE NEEDED FOR CONTINUED LEAK DETECTION
WATER PLANT HIGH SERVICE PUMP REPLACEMENT	1		\$ 850,000.00	BOTH PUMPS HAVE BEEN IN SERVICE FOR A LONG TIME AND ARE IN MUCH NEED OF REPLACEMENT
PASSENGER TRUCK 4X4	1	2024	\$ 60,000.00	CURRENT VEHICLES ARE INOPERABLE
1 ton 4x4 tool truck with Hoist, Generator, and Compressor	1	2023	\$ 120,000.00	CURRENT TRUCK IS OWNED BY SANITATION DISTRICT
ROAD BORE MACHINE	1		\$ 15,000.00	WOULD ALLOW THE DISTRICT TO DO ITS OWN TAPS AND BORES FOR WATER LINE INSTEAD OF CONTRACTING IT OUT.
ONLINE TURBIDIMETERS AND CONTROLLER	2		\$ 22,626.00	CURRENT TURBIDIMETERS ARE OBSOLETE
BIG LICK WATER LINE REPLACEMENT AND BOOSTER STATION REHAB	3		\$ 1,877,000.00	EXISTING BOOSTER STATION ONLY HAS 1 FUNCTIONAL PUMP. NO TELEMTRY TO PLANT AND NO BACK UP POWER. SEVERAL HYDRAULIC ISSUES WITH THE WATER LINES THAT HAVE LED TO LOW PRESSURE FOR CUSTOMERS AND MANY LEAKS.
PETER CAVE WATER LINE REPLACEMENT AND BOOSTER STATION REHAB	3		\$ 1,457,000.00	EXISTING BOOSTER STATION IS STRUCTURALLY UNSOUND AND ONLY HAS 1 FUNCTIONAL PUMP. NO TELEMTRY TO PLANT AND NO BACK UP POWER. SEVERAL HYDRAULIC ISSUES WITH THE WATER LINES THAT HAVE LED TO LOW PRESSURE FOR CUSTOMERS.
KERMIT WATER LINE CONNECTION				
TOTAL			\$ 43,300,626.00	

**MARTIN COUNTY WATER DISTRICT ANNUAL CAPITAL ITEMS**

<b>RECURRING PROJECTS</b>	<b>YEAR</b>	<b>COST</b>	<b>COMMENTS</b>
10% METER REPLACEMENT	ANNUALLY	\$ 80,000.00	AS REQUIRED BY PSC
TANK INSPECTIONS/CLEANING	ANNUALLY	\$ 7,000.00	1 TANK PER YEAR SHOULD HAVE THEM INSPECTED EVERY 10 YEARS
VEHICLE REPLACEMENT	ANNUALLY	\$50,000.00	ROUTINE FLEET MAINTENANCE AND CHANGE OUT NOT EQUIPMENT EXPENSE

<b>TOTAL</b>	<b>\$ 137,000.00</b>
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