



**BRIAN CUMBO**

ATTORNEY AT LAW

86 W. Main St., Suite 100  
P.O. Box 1844  
Inez, KY 41224  
(606) 298-0428  
FAX: (606) 298-0316  
cumbolaw@cumbolaw.com

ADMITTED IN KY AND WV

February 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 February 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 scheduled for February 27, 2024.



BRIAN CUMBO  
COUNSEL FOR MARTIN COUNTY  
WATER DISTRICT  
P.O. BOX 1844  
INEZ, KY 41224  
TELEPHONE: (606) 298-0428  
TELECOPIER: (606) 298-0316  
EMAIL: [cumbolaw@cumbolaw.com](mailto:cumbolaw@cumbolaw.com)

**CERTIFICATE OF SERVICE**

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 26th day of February, 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, February 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
- 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
  - A. Mary Kromer and Amethyst Muncy - Affordability Report
- 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  
Special Meeting of the Board of Directors  
January 23, 2024, Meeting Minutes**

**Presiding:** James Kerr, Chairman  
**Present:** Directors: BJ Slone, John Hensley, Nina McCoy  
Staff: Brian Cumbo (Attorney), Craig Miller (GM), Cassandra Moore  
**Guests:** Madison Mooney

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

**Mr. Kerr called for review of the January 18, 2024, Special Board Meeting minutes.**

- Mr. Hensley motioned to accept the January 18, 2024 minutes
- Mrs. McCoy seconded
- All ayes
- Motion carried

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

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

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

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

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

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

- Large 8" break on Rt. 40, we had to replace about 24 feet of line
- 6" break on Enterprise Dr that was broken in two different places
- 3" of ice on the reservoir has caused some issues getting water from the reservoir to the plant
- Badger assisted staff with cleaning sludge off Clarifier #2. Next steps are to take Clarifier #3 down and begin repairs on it once the plant has stabilized
- Cold temperatures have impacted our system just like other systems
- Mr. Kerr advised customers to make sure they sign up for Alerts on the District's website
- Mrs. McCoy asked, "what's the deal with the electric pump?"
- Mr. Miller advised he didn't recommend installing the electric pump right now because it requires a lower suction lift. It has to be closer to the river and because the river is so low right now, we would have to dig out the bank to lower the pump to the river level to get it to work properly without hurting the pump. We saw what happened when we did that in years past and it got flooded. Additionally, we have spent tens of thousands of dollars to do work on the bank there and the new infrastructure for the ramp. If we remove all of that dirt, to move the pump lower to the water, we could potentially cause damage to the new infrastructure that we've already paid for. What's the cost benefit of doing one or the other? If we put the electric pump in, we damage possibly hundreds of thousands of dollars' worth of infrastructure, if we leave the diesel pump in, we spend sixty thousand a month on fuel. Until the cart is built that goes on the ramp, we can't put the pump on the cart.

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

- Water loss was reported at **71.88%** for the month of December 2023
- Water loss was reported at **68.25%** for the year 2023
- 

**Mr. Miller presented the Board with the January Leak Adjustments.**

- Mr. Slone motioned to approve the January Leak Adjustments
- Mr. Hensley seconded
- All ayes
- Motion carried

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

- The telemetry project on 292 has been finalized, contracts have been signed and micro-comm will start installing
- The Collins creek project is moving forward as well. Bids have been submitted and parts have been ordered. Not sure when they will break ground on the project, but it's coming soon. That will be replacing Collins creek from the head of the hollow out and all new meters.
- On the project that we are currently doing for the RWI, we were just informed that there is \$300,000 that has been set aside for meters in that project. Mr. Miller was not told that the money was there, so he instructed Bell Engineering to construct the RFP for the meters. Once it's all said and done, it will be around 900 new meters in our system. We currently have 200 meters that are zero reads, so that will be the first ones we replace. Then the goal is to replace Riverside, Warfield, and the Lovely area. Then we will have all new meters in Collins Creek, Warfield, Lovely and Riverside apartment complex. That whole area will be all radio read so the guys can drive there, read the meters and be done with them. This will allow us to start fresh and have all new meters and just work our way back towards Inez.

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

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

- The Water Management Assistance Fund loan documents signed by Mr. Kerr and Mr. Slone were originally set to close on 02/01/2024, but they have requested it to be 01/29/2024, because that's the date they requested the funds from KIA.
- Mrs. McCoy asked if the twelve million that the governor put in his budget, are we seeing it in the senate or house budget?
- Mr. Miller advised, from his discussions with representative McCool, it is not there yet, there's a lot that happens when it comes to budgets, but he still feels good about it. It has to go through a bunch of other people. Mr. Miller said if he remembers correctly, he believes it's in the senate budget. It's in the senate budget, and the governor's budget, but he's not sure it's made it to the house budget yet.

**Executive session not required.**

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

- Maddison Mooney asked the Board if we had an Emergency Management Plan/Emergency Preparedness Plan in place? She wanted to know if there has ever been thought between members of the Board and members of the Emergency Management to plan and use professional skills to create emergency plans should a natural disaster happen?

- Mr. Kerr and Mr. Miller advised that it is pretty standard practice in areas. AWR has put together an emergency operations plan for the Water District, but really it has a list of things that we do internally and a list of important numbers and people to contact. One of the most important things is communication, and making sure everyone is on the same page. We need to do it and make it happen. Mr. Kerr advised Ms. Mooney could take the lead and get us started. She can tell us where to be and what time to be there. Ms. Mooney said it would probably be sometime in March before they could meet to discuss.

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

- Mr. Hensley motioned to adjourn the meeting at 6:38 p.m.
- Mr. Slone seconded
- All ayes
- Motion Carried

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

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

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



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

1/31/24

**ASSETS**

**CURRENT ASSETS**

Checking Account - Operations	\$	46,044.20
Revenue Fund - EFT		1,071.14
Debt Service Surcharge Fund		(28,107.86)
Management Infrastructure Surcharge Fund		1,000.13
Security Deposits		107,046.65
Cash on Hand		900.00
<b>Total Cash</b>		<b>127,954.26</b>
Accounts Receivable		330,567.06
Allowance for Doubtful Accounts		(23,843.92)
Unbilled Accounts Receivable		46,933.00
Inventory		4,249.44
Prepaid Expenses		9,000.62
<b>Total Current Assets</b>		<b>494,860.46</b>

**PROPERTY, PLANT, & EQUIPMENT**

Land	214,713.83
Water Supply & Distribution System	28,448,823.24
Buildings	500,263.89
Equipment & Furniture	6,176,549.96
Vehicles	47,635.45
Construction Work in Progress	289,779.08
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(19,729.50)
Less: Accumulated Depreciation	(19,003,238.23)
<b>Net Property, Plant, &amp; Equipment</b>	<b>16,688,732.43</b>

**RESTRICTED CASH**

Grant Fund	63.07
Sinking Fund - RD	7,973.90
Regions Sinking Fund	22,086.77
KIA Sinking Fund	7,385.52
KACO Sinking Fund	10,350.99
Depreciation Fund	1,022.50
Cost of Issuance Fund 2022	2,098.00
Certificate Fund - 2022 Debt Svc	206.60
Accrued Interest Receivable	104.00
<b>Total Restricted Cash</b>	<b>51,291.35</b>

**Total Assets**

**\$ 17,234,884.24**

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

1/31/24

**LIABILITIES AND DISTRICT'S EQUITY**

**CURRENT LIABILITIES**

Accounts Payable	\$	265,300.47
Sales Tax Payable		2,140.90
School Tax Payable		6,339.45
Current Portion of Lease Liabilities		9,869.98
Long Term Debt-Current		71,324.40
Accrued Interest Payable		5,502.80
Customer Deposits		98,767.29
<b>Total Current Liabilities</b>		<b>459,245.29</b>

**LONG-TERM DEBT**

Lease Liability - Rent	15,171.44
Lease Payable - KACO	26,221.96
Bonds Payable - 2015 E Current Refunding	1,520,000.00
Bonds Premium - 2015 E, Net of A/Amort	15,789.50
Note Payable - KIA WMAF	1,323,623.15
Current Portion of Lease Liabilities	(9,869.98)
Less Current Portion of L-Term Debt	(71,324.40)
Other Inflow Resources - Pension	372,879.00
<b>Total Long-Term Debt</b>	<b>3,192,490.67</b>

**Total Liabilities**

**3,651,735.96**

**DISTRICT'S EQUITY**

Retained Earnings (Deficit)	13,665,438.86
YTD Net Income	(82,290.58)
<b>Total District's Equity</b>	<b>13,583,148.28</b>

**Total Liabilities and District's Equity**

**\$ 17,234,884.24**

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

January, 2024			YTD		
Actual	Budget		Actual	Budget	Annual Budget
<b>Operating Revenues</b>					
\$ 172,118	\$ 175,833	Water Sales - Residential	\$ 172,118	\$ 175,833	\$ 2,110,000
29,716	29,167	Water Sales - Commercial	29,716	29,167	350,000
5,916	10,413	Water Sales - Public Authorities	5,916	10,413	125,000
104	37	Bulk Water Sales	104	37	400
-	2,215	Connection Fees - Tap	-	2,215	26,580
6,752	4,583	Late Charge Fees	6,752	4,583	55,000
608	1,960	Reconnect/Meter Sets/Other Fees	608	1,960	23,465
8,748	8,917	Debt Service Surcharge	8,748	8,917	107,000
15,700	15,678	Management Infrastructure Surcharge	15,700	15,678	188,081
<b>239,661</b>	<b>248,803</b>	<b>Total Operating Revenues</b>	<b>239,661</b>	<b>248,803</b>	<b>2,985,526</b>
<b>Operating Expenses</b>					
3,241	2,500	Water Purchased	3,241	2,500	30,000
168,507	168,507	Management & Operations Contract	168,507	168,507	2,022,084
22,732	27,917	Utilities	22,732	27,917	335,000
2,130	2,500	Insurance	2,130	2,500	30,000
42,935	9,163	Repairs & Maintenance	42,935	9,163	110,000
37	87	Outside Services	37	87	1,000
625	837	Legal Expenses	625	837	10,000
-	-	Accounting/Audit	-	-	8,000
3,750	3,750	Bad Debts	3,750	3,750	45,000
450	500	Bond Trustee Fees	450	500	500
428	385	Dues	428	385	4,620
617	346	Office Expense	617	346	4,130
-	833	Rent Expense	-	833	10,000
98	125	KY 811 Services	98	125	1,500
1,930	55	Miscellaneous Expenses	1,930	55	660
8	5	Customer Deposit Interest Expense	8	5	65
<b>247,487</b>	<b>217,510</b>	<b>Total Operating Expenses</b>	<b>247,487</b>	<b>217,510</b>	<b>2,612,559</b>
<b>(7,826)</b>	<b>31,293</b>	<b>Net Income B/4 Other Income (Expenses)</b>	<b>(7,826)</b>	<b>31,293</b>	<b>372,967</b>
<b>Other Income (Expenses)</b>					
90	-	Interest Income	90	-	-
(9,157)	(8,333)	Interest Expense	(9,157)	(8,333)	(100,000)
(397)	63	Amortization	(397)	63	753
(65,000)	(65,000)	Depreciation	(65,000)	(65,000)	(780,000)
<b>(74,465)</b>	<b>(73,270)</b>	<b>Total Other Income (Expenses)</b>	<b>(74,465)</b>	<b>(73,270)</b>	<b>(879,247)</b>
<b>\$ (82,291)</b>	<b>\$ (41,977)</b>	<b>Net Income (Loss)</b>	<b>\$ (82,291)</b>	<b>\$ (41,977)</b>	<b>\$ (506,280)</b>

**Martin County Water District  
Inez, KY**

**Treasury Report**

<b>Billing Charges For the Month of:</b>	<b>Jan-24</b>	
Water Revenue		\$ 172,117.55
Water Revenue-Commercial		29,716.47
Water Revenue-Commercial Exempt		5,915.80
Late Charges		6,751.80
Sales Taxes		2,140.90
Debt Service Surcharge		8,748.04
School Tax		6,339.45
Management Infrastructure Surcharge		15,699.93
Returned Check		916.88
Interest on Customer Deposits		(7.63)
Connection Fees		-
Other Miscellaneous Fees		407.56
Deposits Applied		(810.00)
Refund Checks Paid		283.82
<b>Total Billing Charges</b>		<b>\$ 248,220.57</b>
		<hr/>
<b>Gallons Billed</b>		<b>11,527,280</b>
		<hr/>
<b>Customers Billed</b>		<b>3,363</b>

<b>Accounts Receivable</b>	<b>Jan-24</b>	
Beginning Balance		338,357.08
Billing Charges		248,220.57
Bad Debt (Write Offs) Recoveries		93.92
Accounts Receivable Collections		(256,104.51)
<b>End of Month Accounts Receivable</b>		<b>330,567.06</b>

<b>Operations Account</b>		
Beginning Balance		\$ 23,504.28
Deposits		
Accounts Receivable Collections		256,104.51
Accounts Receivable Collections - Pmts in EFT Revenue Account		(119,881.89)
Sewer Billing Collections in Water Bank Acct - Due to MCS		78,590.59
Customer Deposits Received		585.00
Miscellaneous Income (Tokens, TOW payment)		304.05
Transfers from Other District Accts		220,610.28
Total Deposits		<hr/> 436,312.54
Disbursements:		
Checks Written		(216,148.90)
Pmts made to Sanitation for A/R Collections		(123,287.43)
Transfers to Other District Accts		(44,682.65)
Auto Drafted Utilities		(20,690.78)
Sales and School Tax Payments		(8,962.86)
<b>End of Month Balance</b>		<b>\$ 46,044.20</b>

Cash Receipts Collected To Date in:	<b>Feb-24</b>	238,932.05
Bills Submitted for Payment in:	<b>Feb-24</b>	(302,896.62)
<b>Available Balance</b>	<b>3A-4</b>	<hr/> <b>(17,920.37)</b>

**Martin County Water District  
Inez, KY  
Treasury Report  
Summary of Cash & Investments  
January 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	\$ 23,504.28	436,312.54	-	(413,772.62)	\$ 46,044.20
Revenue EFT Account	5,679.13	119,881.89	-	(124,489.88)	1,071.14
Debt Service Surcharge	89,457.11	8,653.07	2.52	(126,220.56)	(28,107.86)
Management Infrastructure Surcharge	1,000.10	15,529.58	0.13	(15,529.68)	1,000.13
Security Deposits	104,625.92	2,700.00	4.55	(283.82)	107,046.65
Cash on Hand	900.00	-	-	-	900.00
<b>Total Unrestricted Cash</b>	<b>225,166.54</b>	<b>583,077.08</b>	<b>7.20</b>	<b>(680,296.56)</b>	<b>127,954.26</b>
<b>Restricted Cash</b>					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	7,624.21	10,800.00	-	(10,450.31)	7,973.90
Regions Bank-KY 2015E Martin County	106,398.31	10,450.31	440.03	(95,201.88)	22,086.77
KIA Bond & Interest	7,243.32	5,800.00	0.08	(5,657.88)	7,385.52
KY Assoc of Counties Leasing Trust	9,307.79	1,200.00	0.17	(156.97)	10,350.99
Depreciation Reserve	1,022.48	-	0.02	-	1,022.50
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	20,282.14	-	89.55	(20,165.09)	206.60
Revenue Fund - 2022	3,547.09	-	15.66	(3,562.75)	-
<b>Total Restricted Cash</b>	<b>157,586.41</b>	<b>28,250.31</b>	<b>545.51</b>	<b>(135,194.88)</b>	<b>51,187.35</b>
<b>Total Cash &amp; Investments</b>	<b>\$ 382,752.95</b>	<b>611,327.39</b>	<b>552.71</b>	<b>(815,491.44)</b>	<b>\$ 179,141.61</b>

**Martin County Water District  
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
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
Jun-23	222,407	1,313,313	13,007	3,367	249,254
May-23	213,098	1,090,906	12,096	3,361	254,233
Apr-23	224,371	877,808	13,427	3,346	219,648
Mar-23	193,481	653,437	9,299	3,363	249,444
Feb-23	219,471	459,955	12,515	3,370	257,299
Jan-23	240,484	240,484	14,906	3,383	296,876

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

	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
<b>Operations Account</b>			
1	AEP	Electric (26 bills) Estimated	\$ 19,937.48
2	Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,613.45
3	Paintsville Utilities	Electric for token (11/05/23 to 12/06/23) Estimated	\$ 39.04
4	Martin County Public Library	Rent (Mar)	\$ 843.38
5	Martin County Water District	Sanitation (Jan)	\$ 141.67
6	Sales tax	1/2024 (estimated)	\$ 2,358.66
7	School tax	1/2024 (estimated)	\$ 6,604.20
8	Alliance Water Resources	2/1/24-2/15/24 O&M services	\$ 84,253.50
9	Alliance Water Resources	2/16/24-2/31/24 O&M services	\$ 84,253.50
10	Alliance Water Resources	Insurance Policy Installment (1&2/10)	\$ 4,241.20
11	Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 8,653.07
12	Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 15,529.58
13	Kentucky Underground	811 Services (Jan)	\$ 97.50
14	Brian Cumbo	Legal Fees	\$ 625.00
15	Estech Systems	Phone System (Jan)	\$ 219.54
16	NexBillPay	Fees (Jan)	\$ 79.00
17	Diesel Fuel Receipts	Diesel Fuel (Jan)	\$ 38,364.44
18	H&E Equipment Services	Pump Rental	\$ 739.50
19	Prestonsburg Utilities	Purchased Water	\$ 5,787.65
20	Consolidate Pipe & Supply	Parts	\$ 431.90
21	Consolidate Pipe & Supply	Meters/Parts	\$ 3,711.95
22	Consolidate Pipe & Supply	Meters/Parts	\$ 1,125.95
23	Consolidate Pipe & Supply	Meters/Parts	\$ 480.72
24	Consolidate Pipe & Supply	Parts	\$ 161.84
25	Consolidate Pipe & Supply	Parts	\$ 327.54
26	Consolidate Pipe & Supply	Parts	\$ 1,509.95
27	Consolidate Pipe & Supply	Parts	\$ 1,908.31
28	Consolidate Pipe & Supply	Parts	\$ 2,133.57
29	Consolidate Pipe & Supply	Parts	\$ 2,221.03
30	Consolidate Pipe & Supply	Parts	\$ 2,139.63
31	Consolidate Pipe & Supply	Parts	\$ 2,373.34
32	Consolidate Pipe & Supply	Parts	\$ 2,373.34
33	Consolidate Pipe & Supply	Service Charge	\$ 371.52

34	Consolidate Pipe & Supply	Parts	\$	312.57
35	Consolidate Pipe & Supply	Service Charge	\$	367.77
36	Consolidate Pipe & Supply	Parts	\$	394.08
37	Mountain Water District	Purchased Water	\$	0.06
38	DEQ Inc.	VFD	\$	15,227.94
39	Rain for Rent	Pump Rental	\$	10,920.84
40	Rain for Rent	Pump Rental	\$	163.81
41	Consolidate Pipe & Supply	Meters/Parts	\$	1,981.15
42	Consolidate Pipe & Supply	Meters/Parts	\$	559.10
43	Department of Local Government	SPGE Annual Fee	\$	500.00
	<b>TOTAL</b>		<b>\$</b>	<b>327,079.27</b>

### Operations Account - Debt Service Funding

			Transfer Amounts	
1	KIA	Monthly funding for KIA Bond/Loan	\$	5,800.00
2	KACo	Monthly funding for lease payment	\$	1,200.00
3	KRW/Regions Bank	Monthly funding for loan	\$	10,800.00
	<b>TOTAL</b>		<b>\$</b>	<b>17,800.00</b>

### TOTAL OPERATIONS

**\$ 344,879.27**

### Security Deposit Account

#### Customer

1	Austin Mollett	Deposit refund due to customer	\$	26.07
2	Faith Mountain Investments	Deposit refund due to customer	\$	98.13
3	Larry May	Deposit refund due to customer	\$	10.44
4	Eliza Marcum	Deposit refund due to customer	\$	82.26
	<b>TOTAL</b>		<b>\$</b>	<b>216.90</b>





Professional Water and Wastewater Operations

## 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

January 2024

#### Administrative

Staff have been processing and organizing the LSL survey information that the District is required to have submitted to state primacy agencies by October 16, 2024. If you've not completed the survey yet, please contact the billing office so staff can update their records.

Tyler Hall's last day with the Martin County Water District was January 15<sup>th</sup>. We are grateful for the efforts given by Tyler in Martin County and wish him the best in his next position with Alliance.

#### Water Treatment

January was a busy month in the water treatment plant. Staff worked many hours moving water around the county and trying to maintain levels in tanks.

Clearwell levels struggled to increase above 3ft. for several weeks. The decision had to be made to valve the clear wells off from the rest of the system. After 11 hours the clear well levels increased to 35ft. Once the clear wells were above 35ft., the tanks were opened and water began moving to the rest of the system. Staff had the rest of the county in water in under 24 hours.

Plant Operators went to a new schedule to reduce overtime and put new operator Josh Vaughan on his own shift. The new shift is 4 days on, 3 days off on week 1, 3 days on and 4 days off on week 2.

Fabtech began sandblasting Clarifier #3. To date they are 75% complete.

Fabtech replaced the sludge rake and mixer drive motors on Clarifier #3.

Pace Construction replaced the Filter #1 drain valve and Southern flow was able to get all the Clarifier valves working remotely from the plant SCADA system.

Operators have gotten quotes for new lights and ceiling tiles in the water plant for continuing the Water Plant beautification project that is ongoing.

The Reservoir level is the highest it's been in almost a year. All three screens are currently under water and the hope is to keep it full.

**WATER RESOURCES**  
**Alliance**  
Professional Water and Wastewater Operations  
**Martin County Water District**

**Distribution:**

Two new distribution utility workers started at the beginning of the month. Anthony Prater on the repair and maintenance crew and Keith Anderson as a meter reader.

Replaced the Old Route 3 Master meter for increased accuracy in water loss and leak tracking.

Repaired 2 leaks on a 6 in. line on Enterprise drive.

Replaced a 20 ft. section of main line on Eden West.

Dozens of service line and meter leaks identified and repaired during the freeze. Many of these leak repairs were helpful in getting the system back up to sufficient levels.

VFD at Meathouse Booster station froze and failed. Staff made attempts to reuse a VFD from another booster station with no success. All Pumps Service and Supply was called to troubleshoot and sent the VFD for repairs. Currently the Meathouse area is being served by a generator that is keeping the pump running at a constant rate. Since we cannot regulate the flow of the pump based on pressure without the VFD, we have a blow off valve cracked open to keep the lines from over pressurizing.

Otto Brown Booster pump motor failed. The motor was replaced and a new seal kit was installed in the pump. Staff still struggled to get the pump running so All Pumps had to come in and evaluate. Otto Brown is now operational.

**Safety**

The monthly safety meeting was held on January 18th and covered Personal Protective Equipment. Key points of the training were the different types of PPE, how hard hats are rated for different specifications, the ratings for earplugs and earmuffs, and how to get replacement PPE.

**Training**

Staff members attended several training sessions for continuing education hours applied towards licenses.


  
**WATER RESOURCES®**  
**Alliance**  
 Professional Water and Wastewater Operations  
**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>\$8,519,718</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**

**January 2024**

<b>Water Pumped</b>	
Total Water Production (gallons)	45,462,000
Total Water Metered/Billed (gallons)	11,527,000
Other Water Used (gallons)	263,000
Average Daily Flow (Million Gallons per Day)	1,466,516
Maximum Daily Flow (Million Gallons per Day)	1,603,000
Fluoride Used (lbs.)	445.4
Chlorine Used (lbs.)	1160.7
Lab Tests	3,815

### Water Quality Analysis

January 2024

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	8 (Pass)	0
		<b>Reported</b>	<b>Minimum Limit</b>
Fluoride Plant Sample	3	0.80 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 37 Free- 37	<b>Low Readings</b> Total - 0.35 mg/L Free – 0.22 mg/L	0.2 mg/l

### Customer Service Request and Work Orders

Meter Reads	3326
Meter Sets	13
Turn offs-Close account	20
Taps	1
Meter Changes	43
Disconnects for Non-payment	0
Boil Notices	2
Line Locates	63
Water Leaks/Breaks	14
Other/Investigates	123

**Water Main Breaks & Service Lines**

<b>Date</b>	<b>Location</b>	<b>Loss (Gallons)</b>
1/2/2024	14 Pine Tree Lane	78,783
1/2/2024	2948 Tug River Road	15,757
1/3/2024	203 Middlefork	18,908
1/4/2024	15 Jacobs Lane	99,267
1/4/2024	21 Patrick Lane	26,576
1/9/2024	89 Justin Drive	35,452
1/10/2024	232 Stepp Branch	393,915
1/11/2024	23 Clay Moore Rd	433,306
1/11/2024	Spring Branch	866,613
1/12/2024	1432 Main Street	56,724
1/12/2024	482 Crum Branch	4,727
1/16/2024	Preece Rd	5,042,110
1/18/2024	12 Green Bottom	94,540
1/20/2024	58 Taylors Court	196,957
1/20/2024	76 Taylors Court	1,575,660
1/22/2024	707 Blackberry Rd.	866,613
1/24/2024	954 Collins Creek	1,890,791
1/24/2024	1342 East Main	945,396
1/25/2024	273 West Main St.	984,787
1/28/2024	131 Eden West	4,923,936

### Repair Expenses Ending December 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$5,247	\$5,000	105%
Vehicle Maintenance	\$18,052	\$20,000	90%
Water Plant Maintenance	\$25,793	\$10,000	258%
Distribution System Maintenance	\$62,419	\$50,000	125%
Water Meter Maintenance	\$4,670	\$10,000	47%
Street Maintenance	\$38	\$3,141	1%
<b>Totals</b>	<b>\$116,218</b>	<b>\$89,696</b>	<b>130%</b>

### Chemical Expenses Ending December 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Bisulfite	\$12,164		
Sodium Hydroxide	\$6,975	\$11,000	63%
Polymer	\$2,092	\$15,000	14%
Alum (DELPAC)	\$39,344	\$30,000	131%
Chlorine	\$38,363	\$20,000	192%
Permanganate	\$5,178	\$19,000	27%
Fluoride	\$13,263	\$7,000	189%
Chemicals Other - Water	\$11,805	\$8,000	148%
<b>Totals</b>	<b>\$130,473</b>	<b>\$110,000</b>	<b>119%</b>

WATER RESOURCES®  
**Alliance**  
Professional Water and Wastewater Operations  
**Martin County Water District**

Notes:

- 1) Building & Grounds Maintenance
  - a. \$0.00
  
- 2) Vehicle Maintenance
  - a. Oil Changers \$84.57
  - b. Advance Auto \$47.25
  - c. Advance Auto \$41.53
  
- 3) Water Plant Maintenance
  - a. Family Dollar \$37.10
  - b. Advance Auto \$76.30
  
- 4) Well Maintenance
  - a. \$0.00
  
- 5) Distribution System Maintenance
  - a. \$0.00
  
- 6) Meter Maintenance
  - a. \$0.00
  
- 7) Sodium Bisulfite
  - a. CITCO Water \$226.94
  
- 8) Sodium Hydroxide
  - a. \$0.00
  
- 9) Lime/Caustic Soda
  - a. \$0.00
  
- 10) Polymer
  - a. \$0.00
  
- 11) Alum
  - a. \$0.00
  
- 12) Chlorine
  - a. CITCO Water \$2,230.03
  
- 13) Permanganate
  - a. \$0.00

**WATER RESOURCES<sup>®</sup>**  
**Alliance**  
Professional Water and Wastewater Operations  
**Martin County Water District**

14) Fluoride

a. Brenntag \$1,238.40

15) Chemicals Other – Water

a. CITGO Water \$1,779.31



# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: January Year: 2024

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	45,462
3	Water Purchased	1,455
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>46,917</b>
5		
6	<b>WATER SALES</b>	
7	Residential	9,033
8	Commercial	2,494
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>11,527</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	263
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	3
21	Other Usage (explain)	
22	<b>TOTAL OTHER WATER USED</b>	<b>266</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	18,551
27	Line Leaks	16,573
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>35,124</b>
32		
33	<b>Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4</b>	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	74.86%

**MARTIN COUNTY WATER & SANITATION DISTRICT**  
**LEAK ADJUSTMENT REQUESTS**  
**2/21/2024**

busted meter; customer not responsible

BILLED GALLONS/COST	23,320	265.07
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	21,320	42.64
<b>PAY (avg+leak cost)</b>		84.06
<b>WRITE OFF (billed-avg-purch cost)</b>		181.01
LATE PENALTIES TO ADJ		0.00

**181.01**

replaced line from meter to home

BILLED GALLONS/COST	17,160	200.45
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	14,160	28.32
<b>PAY (avg+leak cost)</b>		80.23
<b>WRITE OFF (billed-avg-purch cost)</b>		120.22
LATE PENALTIES TO ADJ		0.00

**120.22**

repaired leak near meter

BILLED GALLONS/COST	174,970	1855.88
BILLED GALLONS/COST	13,420	161.22
AVG GALLONS/BILL	3,000	62.40
LEAK GALLONS/PURCH COST	171,970	343.94
LEAK GALLONS/PURCH COST	10,420	20.84
<b>PAY (avg+leak cost)</b>		489.58
<b>WRITE OFF (billed-avg-purch cost)</b>		1527.52
LATE PENALTIES TO ADJ		13.45

**1,540.97**

repaired broken line between meter and home

BILLED GALLONS/COST	27,470	308.60
BILLED GALLONS/COST	13,650	163.63
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	24,470	48.94
LEAK GALLONS/PURCH COST	10,650	21.30
<b>PAY (avg+leak cost)</b>		100.85
<b>WRITE OFF (billed-avg-purch cost)</b>		298.17
LATE PENALTIES TO ADJ		16.36
SEWER	27,470	410.21
SEWER	13,650	205.54
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	24,470	362.40
LEAK SWR ADJ	10,650	157.73
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		520.13

SWR PENALTIES TO ADJ		20.55
----------------------	--	-------

855.21

replaced bathroom toilet

BILLED GALLONS/COST	46,830	511.69
BILLED GALLONS/COST	11,090	136.77
AVG GALLONS/BILL	3,000	62.40
LEAK GALLONS/PURCH COST	43,830	87.66
LEAK GALLONS/PURCH COST	8,090	16.18
<b>PAY (avg+leak cost)</b>		228.64
<b>WRITE OFF (billed-avg-purch cost)</b>		419.82
LATE PENALTIES TO ADJ		0.00

419.82

repaired leak in yard (submitted for 2nd month)

BILLED GALLONS/COST	37,350	412.24
AVG GALLONS/BILL	7,000	107.05
LEAK GALLONS/PURCH COST	30,350	60.70
<b>PAY (avg+leak cost)</b>		167.75
<b>WRITE OFF (billed-avg-purch cost)</b>		244.49
LATE PENALTIES TO ADJ		60.03

304.52

repaired toilet seal (submitted for 2nd month)

BILLED GALLONS/COST	10,510	130.69
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	8,510	17.02
<b>PAY (avg+leak cost)</b>		58.44
<b>WRITE OFF (billed-avg-purch cost)</b>		72.25
LATE PENALTIES TO ADJ		0.00
SEWER	10,510	159.03
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	8,510	126.03
<b>SWR PAY (AVG-LEAK)</b>		33.00
SWR WRITE OFF		126.03
SWR PENALTIES TO ADJ		0.00

198.28

busted meter; no fault to customer

BILLED GALLONS/COST	7,550	130.69
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	3,550	7.10
<b>PAY (avg+leak cost)</b>		69.50
<b>WRITE OFF (billed-avg-purch cost)</b>		61.19
LATE PENALTIES TO ADJ		0.00
SEWER	7,550	115.20
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	3,550	52.58
<b>SWR PAY (AVG-LEAK)</b>		62.62
SWR WRITE OFF		52.58
SWR PENALTIES TO ADJ		0.00

113.77

meter changed; no fault to customer

BILLED GALLONS/COST	3,490	57.05
BILLED GALLONS/COST	3,190	53.90
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	1,490	2.98
LEAK GALLONS/PURCH COST	1,190	2.38
<b>PAY (avg+leak cost)</b>		88.2
<b>WRITE OFF (billed-avg-purch cost)</b>		22.75
LATE PENALTIES TO ADJ		0.00

22.75

Estimation; no fault to customer

BILLED GALLONS/COST	13,430	161.32
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	11,430	22.86
<b>PAY (avg+leak cost)</b>		64.28
<b>WRITE OFF (billed-avg-purch cost)</b>		97.04
LATE PENALTIES TO ADJ		0.00

97.04

customer replaced line from meter to home

BILLED GALLONS/COST	70,190	756.73
BILLED GALLONS/COST	33,360	370.39
AVG GALLONS/BILL	10,000	125.34
LEAK GALLONS/PURCH COST	60,190	120.38
LEAK GALLONS/PURCH COST	23,360	46.72
<b>PAY (avg+leak cost)</b>		417.78
<b>WRITE OFF (billed-avg-purch cost)</b>		709.34
LATE PENALTIES TO ADJ		99.35

808.69

repaired broken line under home

BILLED GALLONS/COST	11,550	276.76
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	9,550	19.10
<b>PAY (avg+leak cost)</b>		60.52
<b>WRITE OFF (billed-avg-purch cost)</b>		216.24
LATE PENALTIES TO ADJ		0.00

216.24

repaired line on mountain between meter and house

BILLED GALLONS/COST	48,480	529.00
AVG GALLONS/BILL	12,000	146.32
LEAK GALLONS/PURCH COST	36,480	72.96
<b>PAY (avg+leak cost)</b>		219.28
<b>WRITE OFF (billed-avg-purch cost)</b>		309.72
LATE PENALTIES TO ADJ		0.00

309.72

repaired leaking toilet

Governmental

BILLED GALLONS/COST	11,640	142.54
---------------------	--------	--------

AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	9,640	19.28
<b>PAY (avg+leak cost)</b>		60.70
<b>WRITE OFF (billed-avg-purch cost)</b>		81.84
LATE PENALTIES TO ADJ		0.00
SEWER	11,640	175.77
AVG SEWER/BILL	2,000	38.00
LEAK SWR ADJ	9,640	137.77
SWR PAY (AVG-LEAK)		38.00
SWR WRITE OFF		137.77
SWR PENALTIES TO ADJ		0.00

219.61

repaired leak under trailer

BILLED GALLONS/COST	10,790	133.63
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	7,790	15.58
<b>PAY (avg+leak cost)</b>		67.49
<b>WRITE OFF (billed-avg-purch cost)</b>		66.14
LATE PENALTIES TO ADJ		0.00
SEWER	10,790	163.18
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	7,790	115.37
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		115.37
SWR PENALTIES TO ADJ		0.00

181.51

replaced pop off valve on hot water tank

Commercial

BILLED GALLONS/COST	12,270	149.15
BILLED GALLONS/COST	8,330	107.82
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	10,270	20.54
LEAK GALLONS/PURCH COST	6,330	12.66
<b>PAY (avg+leak cost)</b>		61.96
<b>WRITE OFF (billed-avg-purch cost)</b>		140.93
LATE PENALTIES TO ADJ		0.00
SEWER	12,270	185.10
SEWER	8,330	126.75
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	10,270	152.10
LEAK SWR ADJ	6,330	93.75
SWR PAY (AVG-LEAK)		66.00
SWR WRITE OFF		245.85
SWR PENALTIES TO ADJ		0.00

386.78

customer repaired leak in front yard

BILLED GALLONS/COST	16,980	198.56
BILLED GALLONS/COST	14,930	177.06

AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	9,980	19.96
LEAK GALLONS/PURCH COST	7,930	15.86
<b>PAY (avg+leak cost)</b>		223.56
<b>WRITE OFF (billed-avg-purch cost)</b>		152.06
LATE PENALTIES TO ADJ		0.00

152.06

repaired broken line	Commercial	
BILLED GALLONS/COST	12,210	148.52
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	10,210	20.42
<b>PAY (avg+leak cost)</b>		61.84
<b>WRITE OFF (billed-avg-purch cost)</b>		86.68
LATE PENALTIES TO ADJ		0.00
SEWER	12,210	184.21
AVG SEWER/BILL	2,000	47.81
LEAK SWR ADJ	10,210	136.40
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		136.40
SWR PENALTIES TO ADJ		0.00

223.08

replaced toilet fittings		
BILLED GALLONS/COST	30,100	336.19
BILLED GALLONS/COST	12,950	156.29
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	26,100	52.20
LEAK GALLONS/PURCH COST	8,950	17.90
<b>PAY (avg+leak cost)</b>		194.9
<b>WRITE OFF (billed-avg-purch cost)</b>		297.58
LATE PENALTIES TO ADJ		15.63

313.21

repaired leak		
BILLED GALLONS/COST	71,340	768.80
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	67,340	134.68
<b>PAY (avg+leak cost)</b>		197.08
<b>WRITE OFF (billed-avg-purch cost)</b>		571.72
LATE PENALTIES TO ADJ		0.00

571.72

repaired leaking toilet	Commercial	
BILLED GALLONS/COST	25,540	288.35
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	23,540	47.08
<b>PAY (avg+leak cost)</b>		88.50
<b>WRITE OFF (billed-avg-purch cost)</b>		199.85
LATE PENALTIES TO ADJ		28.84
SEWER	25,540	381.63

AVG SEWER/BILL	2,000	47.81
LEAK SWR ADJ	23,540	333.82
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		333.82
SWR PENALTIES TO ADJ		38.16

600.67

repaired leak in upstairs bathroom

BILLED GALLONS/COST	5,080	73.73
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	3,080	6.16
<b>PAY (avg+leak cost)</b>		47.58
<b>WRITE OFF (billed-avg-purch cost)</b>		26.15
LATE PENALTIES TO ADJ		0.00

26.15

replaced hot water tank

BILLED GALLONS/COST	6,860	92.40
BILLED GALLONS/COST	4,990	72.79
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	4,860	9.72
LEAK GALLONS/PURCH COST	2,990	5.98
<b>PAY (avg+leak cost)</b>		98.54
<b>WRITE OFF (billed-avg-purch cost)</b>		66.65
LATE PENALTIES TO ADJ		0.00

66.65

repaired water leak

2" COMMERCIAL METER, BASE 20,000 GAL

BILLED GALLONS/COST	54,660	593.47
AVG GALLONS/BILL	20,000	229.89
LEAK GALLONS/PURCH COST	34,660	69.32
<b>PAY (avg+leak cost)</b>		299.21
<b>WRITE OFF (billed-avg-purch cost)</b>		294.26
LATE PENALTIES TO ADJ		59.35

353.61

repaired leak between meter and home

BILLED GALLONS/COST	15,810	186.29
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	13,810	27.62
<b>PAY (avg+leak cost)</b>		69.04
<b>WRITE OFF (billed-avg-purch cost)</b>		117.25
LATE PENALTIES TO ADJ		0.00

117.25

repaired leak in yard between meter and home

BILLED GALLONS/COST	5,420	77.30
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	3,420	6.84
<b>PAY (avg+leak cost)</b>		48.26
<b>WRITE OFF (billed-avg-purch cost)</b>		29.04
LATE PENALTIES TO ADJ		0.00

SEWER	5,420	83.65
AVG SEWER/BILL	2,000	47.81
LEAK SWR ADJ	3,420	35.84
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		35.84
SWR PENALTIES TO ADJ		0.00

**64.88**

repaired busted line between meter and home

BILLED GALLONS/COST	19,630	226.36
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	17,630	35.26
<b>PAY (avg+leak cost)</b>		76.68
<b>WRITE OFF (billed-avg-purch cost)</b>		149.68
LATE PENALTIES TO ADJ		0.00

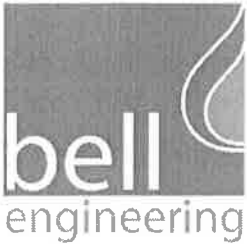
**149.68**

replaced lines between meter and home

BILLED GALLONS/COST	24,860	281.22
BILLED GALLONS/COST	11,670	142.86
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	22,860	45.72
LEAK GALLONS/PURCH COST	9,670	19.34
<b>PAY (avg+leak cost)</b>		147.9
<b>WRITE OFF (billed-avg-purch cost)</b>		276.18
LATE PENALTIES TO ADJ		28.12

**304.30**





MEETING AGENDA  
PROGRESS MTG #52  
**MARTIN COUNTY WATER DISTRICT**  
**MARTIN COUNTY, KENTUCKY**  
**February 13, 2024**

**LOCATION:** Via Teams  
**TIME:** 3:30 PM  
**Present:** Announcement of Those Present

**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 29th. 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 13th. 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.
32. Pace, Alliance and Bell are continuing to meeting weekly in an effort to get the project wrapped up as soon as possible.
33. Start-up of Unit 1 was performed in the interest of the overall project schedule. Alliance filled both filters 1 and 2 in Unit 1, as well as, the center basin. Unit 1 was run until a proper sludge blanket was formed. Water was tested to ensure proper water quality was being achieved.

34. Unit 2 was then shut down and drained. The sludge was removed from Unit 2 while water was produced with Units 1 and 3.
35. Unit 2 was then restarted.
36. It was previously determined that the seal for the drain valve in Unit 1 was bad and that the entire valve would need to be replaced. DeZurik (valve manufacturer) expedited shipping the 10" replacement valve and it was installed by Pace after it was received. Upon replacement of the valve, all leaks in Unit 1 was rectified.
37. Unit 3 was then shut down and water was produced by Units 1 and 2.
38. The sludge was removed from Unit 3.
39. Unit 3 is currently being sandblasted. Sandblasting should be finished this week.
40. Beginning next week the final brush blast will be applied and priming of Basin 3 will begin.
41. Remaining WTP schedule:
  - Week of 2/19: McKinney to recoat/paint Unit 3 (est. to take 1-2 weeks)  
FabTech to replace Flocculator and Scraper Drive Units
  - Week of 2/26: Pace to install Unit 3 Tube Settler Supports and Tube Settler Modules (should take one week to complete).
  - Week of 3/2: Complete Unit 3 Start-Up

Operational issues with the two effluent valves appear to be a SCADA issue. They were able to force the signal to the valves and they operated. However, they would not operate from the computer. Southern Flow is scheduled to remote into the system and correct the SCADA issue.

42. When Badger was onsite, they backed over an electrical handhole electrical box in the yard and broke the lid. A new lid has been ordered; Pace will replace once it arrives.
43. Bell's structural engineer prepared the design for the new trailer. The draft design was forwarded for review on 12/8. The final design was forwarded on 12/14. Preliminary pricing was received on 12/22 and forwarded for review by BSADD. Awaiting Corps of Engineers sign off so the unit can be fabricated.
44. Bell has reached out to multiple entities concerning a jib crane.

## **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. 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). The base bid submitted by Boca Enterprises was in the amount of \$1,383,573.86 while the base bid submitted by B.P. Pipeline was \$1,567,638.00.
25. The total project budget is \$1,500,000.00. This includes construction, contingencies and construction related engineering. It also includes Corps of Engineers administration.
26. We are currently finalizing the project budget, in order to determine if anything must be cut out of the project.
27. A recommendation concerning the bids will then be made.

**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 is currently working on the telemetry.

**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. Changes are being made from the review with Alliance and the project will be ready for final review with Alliance. Project will then be submitted to Division of Water.

**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. 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 is being submitted to the Division of Water and will be bid as soon as KYTC has all agreements in place. KYTC is still working on the agreements. Bidding will likely occur this spring.

- 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 on January 5, 2024. Currently reviewing roadway alignment and existing waterline conflicts.
  3. Preliminary alignments and an opinion of cost are being prepared.
- 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 a spring design completion.
- 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>.
- M. SPICY MOUNTAIN WATER EXTENSION**
1. An opinion of probable project cost for delivery of water from the Johnson County side of the Mountain has been prepared.
- N. TURKEY TANK REHABILITATION**
1. Bell has finalized and forwarded an opinion of probable cost to rehabilitate the Turkey Tank. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.
- 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.

**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. Revisions were made to the profile at the request of the Division of Water.

**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.

**T. COUNTYWIDE METER REPLACEMENT PROJECT**

1. Project would replace all meters (residential and commercial) in the Martin County Water District system. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration. Revisions were made to the profile at the request of the Division of Water.

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

- Inez Water Line and Valve Replacement
- 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 Rehabilitation
- 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 TO 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	THIS 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" DRI 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 DRI HDPE 4710 Flanged Pipe, 6) A second Pump Trailer, 7) Various Unit Piece 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
<b>TOTAL</b>					<b>\$ 30,487,780</b>		

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, VALVES 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			
RECURRING PROJECTS	YEAR	COST	COMMENTS
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

TOTAL	\$ 137,000.00
-------	---------------