



BRIAN CUMBO

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ADMITTED IN KY AND WV

October 23, 2023

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 October 24, 2023 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 October 24, 2023.



BRIAN CUMBO
COUNSEL FOR MARTIN COUNTY
WATER DISTRICT
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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 23rd day of October, 2023, 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, October 24, 2023 – 6:00 p.m.
Martin County Government Center (2nd 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
 - A. Chemical Barrel Disposal
- 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
September 26, 2023, Meeting Minutes**

Presiding: James Kerr, Chairman

Present: Directors: Greg Crum, Nina McCoy, John Hensley,
Staff: Brian Cumbo (Attorney), Craig Miller (GM), Tyler Hall, (LM),
Cassandra Moore

Guests: Tena Jarrell

The Regular Meeting of the Martin County Water District was held on September 26, 2023, at the Martin County Government Center, at 42 East Main St (2nd Floor), Inez, Kentucky 41224. Mr. Kerr called the meeting to order at 6:00 p.m.

Mr. Kerr called for review of the August 22, 2023, Regular Board Meeting minutes.

- Mr. Hensley motioned to accept the August 22, 2023 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. Hensley motioned to approve the Treasurer's report as submitted
- Mr. Crum seconded
- All ayes
- Motion carried
- Mr. Miller presented Other Financials
- Mrs. McCoy motioned to approve Other Financials
- Mr. Crum 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.

- Replaced Master Meter's that have failed
- Staff attended an AWWA Water Audit with the M36 manual with the University of Kentucky
- Secretary of Energy and her Deputy visited Martin County and did a tour of the Inez Water Treatment Plant and the Raw Water Intake. The Secretary specifically asked to see those areas because of the projects that are going on. They were very pleased with the progress that has been made
- The generator at the plant has been installed, wired, and ready to go
- Engineers believe they have fixed the leak on the clarifier and will be filling it up in a couple of days. Once it's filled, we'll know for sure, but so far it looks like it's going to hold very well
- Received the VFD cabinet back from Xylem and put back into the Raw Water building and now they can continue to work on the building
- Estimating 4-6 weeks on clarifier #3
- Lead and Copper study was completed for the year and passed
- Staff attended a grant writing workshop with the DOW. It was explained in detail and how the scoring system works and what information should and shouldn't be submitted
- Nina McCoy asked about the intake
- Mr. Miller advised the pump that is currently there isn't running but the technician will be there on Thursday. The District did purchase insurance on the pump so repairs will be covered
- Big Sandy ADD and Bell Engineering stated that the approval is cleared and there will be a check cut for the small pump. As soon as WEG receives the check, they will send us the VFD

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

- Water loss was reported at **64.18%** for the month of August 2023

Mr. Miller presented the Board with the September Leak Adjustments.

- Mrs. McCoy motioned to approve the September Leak Adjustments
- Mr. Crum seconded
- All ayes
- Motion carried

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

- Mr. Miller stated that the Raw Water and Plant projects are still underway. Not much more to report on with that
- The \$85,000 for the Telemetry bid is going out to bid, but we don't have a bid date at the moment
- The plans have been made and sent to the Corps of Engineers for the Warfield and Collins Creek line replacement project. Initially when that project was done it was all in one and it has now been broken up into two Phases. They switched it around a little bit and hoping to get Collins Creek replaced and looping around Warfield and installing a valve so that if we had a problem down to Collins Creek and the Lovely area, we could shut a valve on one side of Warfield or on the other side of Warfield and keep everyone towards the Elementary School and Hode in water, and vice versa
- The designs are drawn up for the Otto Brown Pump Station and Line Replacement
- KYTC line replacement for Long Branch and 292 South in the culvert near the entrance. They'll be moving the water line there for a new creek crossing
- KY 908 guardrail project with the KYTC is on hold at the moment, we've not heard anything about it in a while. They take the lead on those and do them when they want/can
- Mr. Miller updated and added all of Bell's probable cost and went onto the WRIS portal and verified what projects were in the portal and what projects were not and then broke them down. The capital projects list that says 5-year capital items, those capital items that says not in grant process is not in the portal yet, but Mr. Miller has sent those to Bell and asked them to put the probable cause and scope together so that we could get them submitted to the portal. Hopefully in the next month or so every project that is on this capital items list will be in the WRIS portal.

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

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

- Mrs. McCoy asked, "the fellow that showed up the last time and he had a house that the line wasn't enough for that person. Miss Tena here with her sewer problem, uh is there any way you could talk to the electric company about what the water and sewer needs before they hook up electricity
- Mr. Miller stated that's supposed to be a state law anyways
- Mrs. McCoy advised; she knew it was a state law
- Mr. Kerr stated that we are in the process of trying to get that changed to where you have to have a water inspection prior to an electrical hook up
- Mrs. McCoy asked if we have talked to the electrical company about this?
- Mr. Miller advised that we haven't talked to them, but he spoke with the new director of the Health Department, and we discussed the need for better collaboration in this regard. He has the same frustration with the electric company putting poles in yards before sewer's are verified and water was verified. It's definitely something that we have to do a better job of and it's something I will put

on my to do list to reach out to a contact and try to set up a meeting with the electric company.

- Mr. Kerr stated we are having discussions about that because that's incredibly unfortunate and it's a bad deal. We're going to work with, and I have talked to the gentleman a few times since the last meeting. Hopefully we'll get his situation resolved the best we can resolve it here shortly. That's something that should not happen, but hopefully we're working towards resolving that

Executive session not required.

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

- Tena Jarrell said she had a question. She got a water bill for \$157.00, when Dirty Works come in to put her tank in, she went to mow the lawn and water was everywhere. So, I didn't cut the line who's going to pay the bill?
- Mr. Kerr asked if she had applied for a leak adjustment
- Ms. Jarrell said, "they told her to come here today. "I've got pictures of it where it's all wet
- Mr. Kerr said we do leak adjustments for all customers
- Mr. Miller advised we do one a rolling 12 months
- Mr. Kerr advised her that all she had to do was go to the billing office and do a leak adjustment

Mr. Kerr requested a motion to adjourn.

- Mr. Hensley motioned to adjourn meeting at 6:35 p.m.
- Mrs. McCoy seconded
- All ayes
- Motion Carried

Minutes approved this _____ day of _____, 2023.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
September 30, 2023

9/30/23

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	(4,370.87)
Revenue Fund - EFT		12,234.88
Debt Service Surcharge Fund		68,967.84
Management Infrastructure Surcharge Fund		1,000.16
Security Deposits		100,445.93
Cash on Hand		900.00
Total Cash		179,177.94
Accounts Receivable		364,387.28
Allowance for Doubtful Accounts		(71,205.32)
Unbilled Accounts Receivable		80,438.00
Inventory		2,948.14
Prepaid Expenses		6,726.93
Total Current Assets		562,472.97

PROPERTY, PLANT, & EQUIPMENT

Land	214,713.83
Water Supply & Distribution System	28,464,934.39
Buildings	500,263.89
Equipment & Furniture	6,360,853.35
Vehicles	69,420.45
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(16,572.78)
Less: Accumulated Depreciation	(18,994,283.40)
Net Property, Plant, & Equipment	16,633,264.44

RESTRICTED CASH

Grant Fund	63.07
Sinking Fund - RD	6,575.14
Regions Sinking Fund	74,040.75
KIA Sinking Fund	6,821.77
KACO Sinking Fund	6,175.25
Depreciation Fund	1,022.42
Cost of Issuance Fund 2022	2,098.00
Certificate Fund - 2022 Debt Svc	20,021.56
Revenue Fund - 2022	3,501.53
Accrued Interest Receivable	423.00
Total Restricted Cash	120,742.49

Total Assets **\$ 17,316,479.90**

Martin County Water District
Balance Sheet
September 30, 2023

9/30/23

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	81,747.02
Sales Tax Payable		3,171.84
School Tax Payable		7,160.95
Long Term Debt-Current		54,845.14
Accrued Interest Payable		20,450.90
Customer Deposits		96,495.58
Total Current Liabilities		263,871.43

LONG-TERM DEBT

Lease Liability - Rent	18,358.99
Note Payable - KIA	238,935.02
Lease Payable - KACO	26,221.96
Bonds Payable - 2015 E Current Refunding	1,585,000.00
Bonds Premium - 2015 E, Net of A/Amort	16,042.37
Bonds Payable - 2022 B	1,110,000.00
Bonds Premium - 2022 B, Net of A/Amort	1,317.27
Less Current Portion of L-Term Debt	(54,845.14)
Other Inflow Resources - Pension	372,879.00
Total Long-Term Debt	3,313,909.47

Total Liabilities

3,577,780.90

DISTRICT'S EQUITY

Retained Earnings (Deficit)	14,091,210.57
YTD Net Income	(352,511.57)
Total District's Equity	13,738,699.00

Total Liabilities and District's Equity

\$ 17,316,479.90

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

<u>September, 2023</u>			<u>YTD</u>		<u>Annual Budget</u>
<u>Actual</u>	<u>Budget</u>		<u>Actual</u>	<u>Budget</u>	<u>Budget</u>
		Operating Revenues			
\$ 188,229	\$ 175,833	Water Sales - Residential	\$ 1,600,936	\$ 1,582,497	\$ 2,110,000
38,871	29,167	Water Sales - Commercial	280,756	262,503	350,000
8,030	10,000	Water Sales - Public Authorities	115,033	90,000	120,000
20	4	Bulk Water Sales	327	36	50
4,924	2,437	Connection Fees - Tap	22,543	21,933	29,246
6,382	4,583	Late Charge Fees	53,324	41,247	55,000
2,782	2,650	Reconnect/Meter Sets/Other Fees	19,003	23,850	31,801
8,760	8,917	Debt Service Surcharge	78,603	80,253	107,000
15,721	15,839	Management Infrastructure Surcharge	141,076	142,551	190,070
1,321	-	Miscellaneous Income	1,521	-	-
275,041	249,430	Total Operating Revenues	2,313,123	2,244,870	2,993,167
		Operating Expenses			
3,880	7,500	Water Purchased	15,973	67,500	90,000
168,507	168,507	Management & Operations Contract	1,516,563	1,516,563	2,022,084
15,579	27,917	Utilities	169,675	251,253	335,000
1,729	2,500	Insurance	17,460	22,500	30,000
39,799	5,000	Repairs & Maintenance	220,588	45,000	60,000
41	250	Outside Services	396	2,250	3,000
338	800	Legal Expenses	6,688	7,200	9,600
-	-	Accounting/Audit	7,985	8,000	8,000
4,167	4,167	Bad Debts	37,500	37,503	50,000
-	-	Bond Trustee Fees	900	500	500
385	270	Dues	3,465	2,430	3,235
368	228	Office Expense	3,026	2,052	2,732
-	833	Rent Expense	25	7,497	10,000
-	-	Regulatory Assess Fees	3,863	-	-
102	125	KY 811 Services	1,611	1,125	1,500
75	54	Miscellaneous Expenses	427	486	652
10	4	Customer Deposit Interest Expense	67	36	53
234,979	218,155	Total Operating Expenses	2,006,212	1,971,895	2,626,356
40,063	31,275	Net Income B/4 Other Income (Expenses)	306,911	272,975	366,811
		Other Income (Expenses)			
-	-	Gain (Loss) on Sale of Assets	1,645	-	-
-	-	Capital Contributions	4,128	-	-
428	-	Interest Income	3,546	-	-
(8,790)	(8,333)	Interest Expense	(80,167)	(74,997)	(100,000)
(397)	63	Amortization	(3,574)	567	753
(65,000)	(65,000)	Depreciation	(585,000)	(585,000)	(780,000)
(73,759)	(73,270)	Total Other Income (Expenses)	(659,422)	(659,430)	(879,247)
\$ (33,696)	\$ (41,995)	Net Income (Loss)	\$ (352,512)	\$ (386,455)	\$ (512,436)

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:	Sep-23	
Water Revenue		\$ 188,229.11
Water Revenue-Commercial		38,871.40
Water Revenue-Commercial Exempt		8,029.94
Late Charges		6,382.45
Sales Taxes		2,867.86
Debt Service Surcharge		8,759.86
School Tax		7,191.59
Management Infrastructure Surcharge		15,721.14
Returned Check		1,258.50
Interest on Customer Deposits		(9.67)
Connection Fees		4,924.36
Other Miscellaneous Fees		2,648.00
Deposits Applied		(1,665.00)
Refund Checks Paid		328.87
Total Billing Charges		\$ 283,538.41
		<hr/>
Gallons Billed		14,662,410
		<hr/>
Customers Billed		3,372

Accounts Receivable	Sep-23	
Beginning Balance		359,315.31
Billing Charges		283,538.41
Bad Debt (Write Offs) Recoveries		100.93
Accounts Receivable Collections		(278,720.13)
End of Month Accounts Receivable		364,234.52

Operations Account		
Beginning Balance		\$ 13,291.74
Deposits		
Accounts Receivable Collections		278,720.13
Accounts Receivable Collections - Pmts in EFT Revenue Account		(112,187.21)
Sewer Billing Collections in Water Bank Acct - Due to MCS		83,392.27
Customer Deposits Received		2,435.00
Miscellaneous Income (Tokens, Hydrant Meter, Scrap, TOW pymt)		1,475.00
Transfers from Other District Accts		102,500.00
Total Deposits		356,335.19
Disbursements:		
Checks Written		(221,950.97)
Pmts made to Sanitation for A/R Collections		(74,122.87)
Transfers to Other District Accts		(48,745.18)
Auto Drafted Utilities		(18,856.22)
Returned Checks		(895.97)
Bank Fees		(75.00)
Sales and School Tax Payments		(9,351.59)
End of Month Balance		\$ (4,370.87)

Cash Receipts Collected To Date in:	Oct-23	216,441.84
Bills Submitted for Payment in:	Oct-23	(246,827.60)
Available Balance	3A-4	(34,756.63)

Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
September 30, 2023

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 13,291.74	356,335.19	-	(373,997.80)	\$ (4,370.87)
Revenue EFT Account	3,137.96	112,239.39	-	(103,142.47)	12,234.88
Debt Service Surcharge	58,966.73	9,999.51	1.60	-	68,967.84
Management Infrastructure Surcharge	1,000.15	17,945.67	0.16	(17,945.82)	1,000.16
Security Deposits	97,770.66	3,000.00	4.14	(328.87)	100,445.93
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	175,067.24	499,519.76	5.90	(495,414.96)	179,177.94
Restricted Cash					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	6,225.45	10,800.00	-	(10,450.31)	6,575.14
Regions Bank-KY 2015E Martin County	63,342.74	10,450.31	247.70	-	74,040.75
KIA Bond & Interest	6,682.93	5,800.00	0.07	(5,661.23)	6,821.77
KY Assoc of Counties Leasing Trust	5,128.60	1,200.00	0.09	(153.44)	6,175.25
Depreciation Reserve	1,022.40	-	0.02	-	1,022.42
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	19,933.81	-	87.75	-	20,021.56
Revenue Fund - 2022	3,486.18	-	15.35	-	3,501.53
Total Restricted Cash	107,983.18	28,250.31	350.98	(16,264.98)	120,319.49
Total Cash & Investments	\$ 283,050.42	527,770.07	356.88	(511,679.94)	\$ 299,497.43

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
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
Dec-22	217,251	2,595,436	12,429	3,374	226,327
Nov-22	213,516	2,378,186	12,064	3,389	232,620
Oct-22	199,884	2,164,670	10,420	3,400	256,624
Sep-22	232,922	1,964,786	13,890	3,417	262,588

Martin County Water District, Inez KY
List of Bills for Consideration
24-Oct-23

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 13,016.98
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,376.81
3 Paintsville Utilities	Electric for token (8/05/23 to 9/05/23) Estimated	\$ 42.50
4 Martin County Public Library	Rent (Nov)	\$ 843.38
5 Martin County Water District	Sanitation (Sept)	\$ 141.67
6 Sales tax	9/2023 (estimated)	\$ 2,067.65
7 School tax	9/2023 (estimated)	\$ 6,673.13
8 Alliance Water Resources	10/1/23-10/15/23 O&M services	\$ 84,253.50
9 Alliance Water Resources	10/16/23-10/31/23 O&M services	\$ 84,253.50
10 Alliance Water Resources	Insurance Policy Installment (10/10)	\$ 1,156.77
11 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 17,945.67
12 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 9,999.51
13 Kentucky Underground	811 Services (Sept)	\$ 102.00
14 Brian Cumbo	Legal Fees	\$ 337.50
15 Estech Systems	Phone System (Sept)	\$ 220.50
16 NexBillPay	Fees (Sept)	\$ 75.00
17 Diesel Fuel Receipts	Diesel Fuel (Sept)	\$ 19,645.30
18 H&E Equipment Services	Pump Rental	\$ 739.50
19 Consolidated Pipe	Parts	\$ 461.64
20 Consolidated Pipe	Parts	\$ 240.00
21 Consolidated Pipe	Meter/Parts	\$ 931.20
22 Consolidated Pipe	Parts	\$ 540.12
23 Consolidated Pipe	Parts	\$ 2,028.89
24 Consolidated Pipe	Parts	\$ 1,231.36
25 Consolidated Pipe	Meter/Parts	\$ 2,155.90
26 Consolidated Pipe	Parts	\$ 812.60
27 Consolidated Pipe	Parts	\$ 1,359.20
28 Consolidated Pipe	Meter/Parts	\$ 2,552.50
29 Consolidated Pipe	Parts	\$ 172.84
30 Consolidated Pipe	Parts	\$ 42.78
31 Consolidated Pipe	Parts	\$ 320.00
32 Consolidated Pipe	Parts	\$ 87.21
33 Consolidated Pipe	Parts/Supplies	\$ 258.00
34 Consolidated Pipe	Meters	\$ 1,270.00

Martin County Water District, Inez KY
List of Bills for Consideration
24-Oct-23

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
35 Consolidated Pipe	Parts/Meters	\$ 2,700.92
36 Consolidated Pipe	Parts	\$ 808.50
37 All-Pumps Sales & Service, Inc.	Flash Mixer	\$ 3,570.00
38 Blue Tank and Pump Rental, LLC	Pump Rental	\$ 1,754.21
39 Prestonsburg Utilities	Purchased Water	\$ 3,880.10
40 Immense Impact, LLC	Website Annual Subscription	\$ 457.00
41 M Dotson Contracting	Bore	\$ 4,800.00
42 H&E Equipment Services	Pump Rental	\$ 5,094.65
43 Liberty Mutual	Blanket Enroachment Bond	\$ 916.20
44 Shoemaker Industrial Solutions	WEG VFD	\$ 18,155.00
45 Mountain Water	Purchased Water	\$ 0.63
46 Sentry Fire Protection, Inc.	Fire Extinguisher Inspection	\$ 150.00
47 Deluxe	Deposit Slips	\$ 168.16
TOTAL		\$ 256,827.11

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
TOTAL		\$ 17,800.00

TOTAL OPERATIONS

\$ 274,627.11

Security Deposit Account

Customer

1 Wayne Meade	Deposit refund due to customer	\$ 40.10
TOTAL		\$ 40.10



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

September 2023

Administrative

Staff has continued to encourage customers to register phone numbers and/or emails to receive alerts. We now have 253 customers enrolled through the District's website.

Water Treatment

WTP Operators performed routine backwashing of filters on Clarifiers 2 & 3 to ensure proper filtration. WTP operators also collected bi-weekly routine bacteriological and fluoride distribution system samples for system monitoring and compliance.

Installed a new diesel-powered Raw Water Intake pump supplied by Rain 4 Rent after the previous H & E Equipment rental required warranty repair work due to issues with the SCR and emissions system. Due to Tug Fork River level at Kermit being the lowest it has been since 1990, the pump is only able to deliver an average of 1,900 GPM (2.7 MGD) to the Curtis Crum Reservoir.

Changed pump tubes and assessed roller and housing condition in all Stenner chemical delivery pumps in the WTP.

Hauled off two additional loads of scrap metal from the WTP. This consisted of items leftover from past and current projects that were not functional. Staff will continue to remove additional scrap throughout the remainder of the year.

Generac emergency generator was installed at the WTP. The generator was tested and was able to run all essential equipment within the plant with no power being supplied from the grid.

Calibrated benchtop turbidimeter at WTP.

Received new 300HP VFD for the small RWI pump (1.78 MGD). VFD is scheduled to be installed by DEQ Controls before the end of October.

WTP received the Water Quality Fluoridation Award from Kentucky Department of Health for 2021.

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Implemented new backwash Standard Operating Procedure for WTP Clarifiers. Previously, Operators would take a treatment unit completely offline for upward of one hour to perform filter backwashes. Now, Staff has started isolating one filter using filter influent valves to leave one filter online while the other is taken offline for filter backwash. This lightens the workload associated with backwashing for Operators and allows the Clarifier to be backwashed with minimal reduction of water production.

Received laboratory sample results from the 2024 Lead and Copper sample set. Each location sampled (21) revealed Lead and Copper levels well below the action level set by the Environmental Protection Agency.

Sentry Fire inspected all fire extinguishers at the WTP.

National Weather Service installed new temperature recording equipment for reporting requirements in the WTP.

Distribution:

Met with KY Department of Highways and Bell Engineering at the locations of the pending 292 South/Long Branch and Big Elk/KY 40 line and road relocation projects expected in 2024 to discuss potential issues and suggestions.

Replaced 2032 master meter, meter pit, and influent gate valve, and replaced piping feeding the master meter. Previously, a 2" bypass tapped into the 8" main line supplied the old master meter and fed back into the 8" main.

Repaired the following main line and service line leaks: one 1" line, one 2" line, one 4" line, and nine ¾" leaks.

Completed line locate requests, disconnects and reconnects, routine service orders such as shut-off and setter replacement, and site remediations.

Safety

The monthly safety meeting was held on September 5th and covered Confined Space Entry and Mental Health Awareness.

Training

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Project Updates

SOURCE	AMOUNT	PROJECTS
AML Pilot Nexus Grant-2017	\$3,450,000	A, B, C, D
COE 531 (25% Match)	\$1,869,718	B, C
ARC Grant	\$1,200,000	F
AML Pilot Nexus Grant-2018	\$2,000,000	I
Total Grant	\$8,519,718	



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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

Water Pumped September	
Total Water Production (gallons)	41,710,000
Total Water Metered/Billed (gallons)	14,662,000
Other Water Used (gallons)	312,000
Average Daily Flow (Million Gallons per Day)	1.390
Maximum Daily Flow (Million Gallons per Day)	1.483
Fluoride Used (lbs.)	541
Chlorine Used (lbs.)	1,434
Lab Tests	3,823

Water Quality Analysis

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	10 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	30	0.77 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 37 Free- 37	Low Readings Total - 0.40 mg/L Free – 0.37 mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3330
Meter Sets	25
Turn offs-Close account	24
Taps	0
Meter Changes	13
Disconnects for Non-payment	44
Boil Notices	2
Line Locates	72
Water Leaks/Breaks	32
Other/Investigates	116



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Martin County Water District

Water Main Breaks & Service Lines

Date	Location	Loss (Gallons)
9/5/23	Blacklog Rd.	64,338
9/5/23	Coldwater Rd.	95,909
9/6/23	Harris St.	24,620
9/7/23	Rockcastle Rd.	102,762
9/7/23	Rockcastle Rd.	53,939
9/8/23	N Wolf Crk.	352,328
9/11/23	Rockcastle Rd.	211,001
9/11/23	Turkey Crk. Rd.	393,915
9/12/23	Coldwater Rd.	96,890
9/12/23	Little Blacklog Rd.	295,436
9/12/23	Upper Alpha	79,274
9/14/23	N Wolf Crk.	21,139
9/14/23	N Wolf Crk.	5,872
9/18/23	Setser Rd.	74,154
9/20/23	Moore Br.	70,466
9/20/23	Rockcastle Rd.	242,710
9/20/23	Coldwater Rd.	865,142
9/21/23	Upper Alpha	690,548
9/25/23	Thickety Frk.	6,197
9/26/23	Blacklog Rd.	215,756
9/28/23	Turkey Crk. Rd.	751,774

Repair Expenses Ending August 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$2,930	\$5,000	58%
Vehicle Maintenance	\$16,869	\$20,000	84%
Water Plant Maintenance	\$13,786	\$10,000	137%
Distribution System Maintenance	\$60,708	\$50,000	121%
Water Meter Maintenance	\$4,670	\$10,000	46%
Street Maintenance	\$38	\$3,141	1%
Totals	\$99,031	\$98,141	100%

Chemical Expenses Ending August 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Hydroxide	\$6,975	\$11,000	63%
Polymer	\$781	\$15,000	5%
Alum (DELPAC)	\$29,485	\$30,000	98%
Chlorine	\$29,464	\$20,000	147%
Permanganate	\$3,705	\$19,000	19%
Fluoride	\$12,024	\$7,000	171%
Chemicals Other - Water	\$16,535	\$8,000	206%
Totals	\$98,970	\$110,000	89%

Notes:

- 1) Building & Grounds Maintenance
 - a. Tri Span Construction \$908.36
 - b. Tri Span Construction \$836.32
 - c. Tri Span Construction \$385.64
 - d. State Electric \$412.88
 - e. Amazon \$207.03

- 2) Vehicle Maintenance
 - a. Capital Tire \$582.09
 - b. Advance Auto \$122.61
 - c. Advance Auto \$46.61
 - d. Butcher's Exhaust & Garage \$320.00
 - e. Butcher's Exhaust & Garage \$632.00
 - f. Oil Changers \$57.23
 - g. Middlefork Service Center \$366.76
 - h. Advance Auto \$21.55
 - i. Advance Auto \$119.95
 - j. Dollar General \$19.45

- 3) Water Plant Maintenance
 - a. \$0.00

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. R&J Building Supply \$27.03
 - b. R&J Building Supply \$83.61

- 6) Meter Maintenance
 - a. \$0.00

- 7) Sodium Bisulfite
 - a. CITCO Water \$1,352.11
 - b. CITCO Water \$1,352.11

- 8) Sodium Hydroxide
 - a. Brenntag Mid-South, Inc. \$1,484.28

- 9) Lime/Caustic Soda
 - a. \$0.00

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- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. CITCO Water \$1,094.88
 - b. CITCO Water \$2,192.90
 - c. CITCO Water \$2,191.50

- 12) Chlorine
 - a. CITCO Water \$3,334.98
 - b. CITCO Water \$2,226.48
 - c. CITCO Water \$2,222.92

- 13) Permanganate
 - a. Brenntag Mid-South, Inc. \$742.00

- 14) Fluoride
 - a. Brenntag Mid-South, Inc. \$1,238.40

- 15) Chemicals Other – Water
 - a. CITCO Water \$1,779.31

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: September Year: 2023

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	41,710
3	Water Purchased	984
4	TOTAL PRODUCED AND PURCHASED	42,694
5		
6	WATER SALES	
7	Residential	10,768
8	Commercial	3,894
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	TOTAL WATER SALES	14,662
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	312
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	-
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	312
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	4,714
27	Line Leaks	23,006
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	27,720
32		
33	Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4	
34		
35	WATER LOSS PERCENTAGE	
36	(Line 31 divided by Line 4)	64.93%

MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
10/17/2023

repaired broken line under home

BILLED GALLONS/COST	23,790	270.00
BILLED GALLONS/COST	21,930	250.49
AVG GALLONS/BILL	12,000	146.32
LEAK GALLONS/PURCH COST	11,790	23.58
LEAK GALLONS/PURCH COST	9,930	19.86
PAY (avg+leak cost)		169.90
WRITE OFF (billed-avg-purch cost)		184.41
LATE PENALTIES TO ADJ		0.00
SEWER	23,790	355.71
SEWER	21,930	328.16
AVG SEWER/BILL	12,000	181.10
LEAK SWR ADJ	11,790	174.61
LEAK SWR ADJ	9,930	147.06
SWR PAY (AVG-LEAK)		362.20
SWR WRITE OFF		321.67
SWR PENALTIES TO ADJ		0.00

506.08

repaired broken line under home

BILLED GALLONS/COST	7,400	98.07
BILLED GALLONS/COST	4,820	71.00
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	4,400	8.80
LEAK GALLONS/PURCH COST	1,820	3.64
PAY (avg+leak cost)		60.71
WRITE OFF (billed-avg-purch cost)		52.81
LATE PENALTIES TO ADJ		0.00

52.81

broken line between meter and home

BILLED GALLONS/COST	99,020	1059.16
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH COST	93,020	186.04
PAY (avg+leak cost)		269.42
WRITE OFF (billed-avg-purch cost)		789.74
LATE PENALTIES TO ADJ		0.00

789.74

meter issue; do not hold adjustment against customer

BILLED GALLONS/COST	12,280	149.26
BILLED GALLONS/COST	5,520	78.34
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	10,280	20.56

LEAK GALLONS/PURCH COST	3,520	7.04
PAY (avg+leak cost)		82.84
WRITE OFF (billed-avg-purch cost)		144.76
LATE PENALTIES TO ADJ		0.00

144.76

repaired broken line under home

BILLED GALLONS/COST	5,430	77.40
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	3,430	6.86
PAY (avg+leak cost)		48.28
WRITE OFF (billed-avg-purch cost)		29.12
LATE PENALTIES TO ADJ		0.00

29.12

replaced nozzle on water hose

BILLED GALLONS/COST	17,990	209.16
BILLED GALLONS/COST	6,680	90.51
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	13,990	27.98
LEAK GALLONS/PURCH COST	2,680	5.36
PAY (avg+leak cost)		90.38
WRITE OFF (billed-avg-purch cost)		141.53
LATE PENALTIES TO ADJ		23.90
SEWER	17,990	269.81
SEWER	6,680	102.31
AVG SEWER/BILL	4,000	33.00
LEAK SWR ADJ	13,990	236.81
LEAK SWR ADJ	2,680	69.31
SWR PAY (AVG-LEAK)		66.00
SWR WRITE OFF		306.12
SWR PENALTIES TO ADJ		29.94

501.49

repaired broken line between meter and home

BILLED GALLONS/COST	36,090	399.02
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH COST	30,090	60.18
PAY (avg+leak cost)		143.56
WRITE OFF (billed-avg-purch cost)		255.46
LATE PENALTIES TO ADJ		0.00

255.46

repaired toilet in master bath

BILLED GALLONS/COST	8,240	106.88
BILLED GALLONS/COST	7,040	94.29
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	5,240	10.48
LEAK GALLONS/PURCH COST	4,040	8.08
PAY (avg+leak cost)		62.39
WRITE OFF (billed-avg-purch cost)		78.79

LATE PENALTIES TO ADJ		0.00
SEWER	8,240	125.41
SEWER	7,040	107.64
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	5,240	77.60
LEAK SWR ADJ	4,040	59.83
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		137.43
SWR PENALTIES TO ADJ		0.00

216.22

leak was in line by meter

BILLED GALLONS/COST	33,000	366.61
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	31,000	62.00
PAY (avg+leak cost)		103.42
WRITE OFF (billed-avg-purch cost)		263.19
LATE PENALTIES TO ADJ		0.00
SEWER	33,000	492.11
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	31,000	459.11
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		459.11
SWR PENALTIES TO ADJ		0.00

722.30

replaced broken line under home

BILLED GALLONS/COST	13,870	165.94
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	11,870	23.74
PAY (avg+leak cost)		65.16
WRITE OFF (billed-avg-purch cost)		100.78
LATE PENALTIES TO ADJ		0.00

100.78

replaced water line from meter to home, 2nd month

BILLED GALLONS/COST	35,030	387.90
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	32,030	64.06
PAY (avg+leak cost)		115.97
WRITE OFF (billed-avg-purch cost)		271.93
LATE PENALTIES TO ADJ		0.00

271.93

repaired leaking toilet

BILLED GALLONS/COST	11,970	146.01
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	9,970	19.94
PAY (avg+leak cost)		61.36
WRITE OFF (billed-avg-purch cost)		84.65
LATE PENALTIES TO ADJ		0.00

SEWER	11,970	180.66
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	9,970	147.66
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		147.66
SWR PENALTIES TO ADJ		0.00

232.31

repaired leaking toilet

BILLED GALLONS/COST	20,990	240.63
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	16,990	33.98
PAY (avg+leak cost)		96.38
WRITE OFF (billed-avg-purch cost)		144.25
LATE PENALTIES TO ADJ		0.00

144.25

replaced broken line under home

BILLED GALLONS/COST	42,350	464.69
BILLED GALLONS/COST	24,010	272.30
AVG GALLONS/BILL	13,000	156.81
LEAK GALLONS/PURCH COST	29,350	58.70
LEAK GALLONS/PURCH COST	11,010	22.02
PAY (avg+leak cost)		394.34
WRITE OFF (billed-avg-purch cost)		342.65
LATE PENALTIES TO ADJ		0.00

342.65

replaced water hose

BILLED GALLONS/COST	7,910	103.42
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	5,910	11.82
PAY (avg+leak cost)		53.24
WRITE OFF (billed-avg-purch cost)		50.18
LATE PENALTIES TO ADJ		0.00

50.18

repaired broken line between meter and residence

BILLED GALLONS/COST	16,870	197.41
BILLED GALLONS/COST	8,990	114.75
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	12,870	25.74
LEAK GALLONS/PURCH COST	4,990	9.98
PAY (avg+leak cost)		160.52
WRITE OFF (billed-avg-purch cost)		151.64
LATE PENALTIES TO ADJ		0.00

151.64

repaired leak under sink

BILLED GALLONS/COST	12,310	149.57
BILLED GALLONS/COST	5,510	78.24
AVG GALLONS/BILL	4,000	62.40

LEAK GALLONS/PURCH COST	8,310	16.62
LEAK GALLONS/PURCH COST	1,510	3.02
PAY (avg+leak cost)		144.44
WRITE OFF (billed-avg-purch cost)		83.37
LATE PENALTIES TO ADJ		7.82

91.19

leak was in line by meter

BILLED GALLONS/COST	31,710	353.08
BILLED GALLONS/COST	15,300	180.94
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	27,710	55.42
LEAK GALLONS/PURCH COST	11,300	22.60
PAY (avg+leak cost)		202.82
WRITE OFF (billed-avg-purch cost)		331.20
LATE PENALTIES TO ADJ		0.00

331.20

replaced water hose

BILLED GALLONS/COST	27,350	307.34
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	25,350	50.70
PAY (avg+leak cost)		92.12
WRITE OFF (billed-avg-purch cost)		215.22
LATE PENALTIES TO ADJ		0.00

215.22

repaired busted water lines to home

BILLED GALLONS/COST	13,850	165.73
BILLED GALLONS/COST	6,950	93.35
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	10,850	21.70
LEAK GALLONS/PURCH COST	3,950	7.90
PAY (avg+leak cost)		73.61
WRITE OFF (billed-avg-purch cost)		125.66
LATE PENALTIES TO ADJ		16.57
SEWER	13,850	208.50
SEWER	6,950	106.31
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	10,850	160.69
LEAK SWR ADJ	3,950	58.50
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		219.19
SWR PENALTIES TO ADJ		20.85

382.27

replaced lines in bathroom

BILLED GALLONS/COST	13,770	164.89
BILLED GALLONS/COST	7,170	95.65
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	10,770	21.54

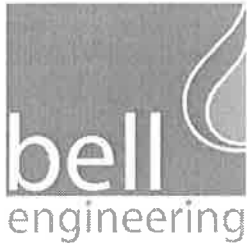
LEAK GALLONS/PURCH COST	4,170	8.34
PAY (avg+leak cost)		73.45
WRITE OFF (billed-avg-purch cost)		126.84
LATE PENALTIES TO ADJ		16.49
SEWER	13,770	207.31
SEWER	7,170	109.57
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	10,770	159.50
LEAK SWR ADJ	4,170	61.76
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		221.26
SWR PENALTIES TO ADJ		20.73

385.32

repaired broken line to home

BILLED GALLONS/COST	29,270	327.48
BILLED GALLONS/COST	4,000	92.65
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	25,270	50.54
LEAK GALLONS/PURCH COST	-	0.00
PAY (avg+leak cost)		175.34
WRITE OFF (billed-avg-purch cost)		244.79
LATE PENALTIES TO ADJ		32.75

277.54



MEETING MINUTES
PROGRESS MTG #48
MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY, KENTUCKY
September 12, 2023

LOCATION: Via Teams
TIME: 3:30 PM
Present: Barry Butcher, Madison Mooney, Mary Cromer, Jordan Montgomery, Kayla Thornsberry & Stephen Caudill

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
TOTAL GRANT	\$11,220,718	

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 13th 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)
TOTAL AWARD AMOUNT		\$ 3,473,426.00

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. Remaining work:
 - Pace was onsite on September 11 to address pinhole leaks in Unit 1. Method of repairing the leaks was as follows:
 - a) Identify the pinhole leaks and ream them out with a Dremel tool.
 - b) Plug the pinholes with JB Water Weld. This product can be applied to active leaks and is acceptable for use in potable water applications.
 - c) Allow the JB Water Weld to cure for one hour.

- d) Apply CIM scrim cloth to the seams, covering the pinhole leak repairs.
- e) Grind the previously applied CIM 1000 to insure adhesion of fresh coat of CIM 1000. This was necessary as the overcoat window of the CIM 1000 had been exceeded.
- f) Material will be allowed to cure for 7 days.
- Southern Flow, Evapar, ASCO, Ledger Electric and Pace will be onsite on 9/19 to complete generator start-up. Southern Flow will arrive early that morning to land final wires. Evapar will arrive round 9:30-10:00 to address generator.
- Order VFD for 300 HP Pump. According to the ADD, the money to pay for the unit should arrive from AML between September 12th and September 19th.
- Startup Unit 1.
- Begin Unit 3 repair once Unit 1 is operational.
- Secure cart for pump. Pace has obtained names of companies to assist fabricator with sizing of members.

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. Plans have been sent to the Corps of Engineers requesting permission to bid the project.
23. Project to be advertised upon receipt of Corps of Engineers permission.

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 will be received for the project shortly.

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 25th. 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 3rd, 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. Project design is continuing. Bell has made multiple trips to the field to perform surveying and line layout. We have also attached pressure recorders to four different hydrants to monitor pressure in the area for purposes of pump station design. Replacement water lines have been designed and reviewed with Alliance. Pump Station design is being finalized. Project will be forwarded to AML for NEPA review. Anticipate forwarding on the project for NEPA review in October '23.

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. Project is on hold.

H. SESTER BRANCH UTILITY RELOCATION

1. Representatives of KYTC, Alliance, Bell Engineering and the gas company met onsite to discuss the project. Bell has forwarded the draft plans to both KYTC and Alliance for review. Bell has also forwarded a contract to KYTC for review. Both Engineering and construction related costs will be paid by KYTC.
2. Bell to meet onsite with KYTC on September 20th to review final plans.

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. Bell to meet onsite on September 20th with KYTC to review roadway alignment and existing waterline conflicts.

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.

L. SPICY MOUNTAIN WATER EXTENSION

1. An opinion of probable project cost for delivery of water from the Johnsn County side of the Mountain has been prepared.

M. 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.

M. 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.

N. 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.

O. 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.

P. 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.

Q. 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.

R. 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.

S. 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 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, EFFECENCY 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. 2s 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 TELEMETRY 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 TELEMETRY 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 TELEMETRY 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
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October 24th, 2023

TO: Martin County Water District
Board of Directors

INFORMATION & DECISION

FROM: Staff

RE: Chemical Barrel Disposal

The Martin County Water District has been selling used chemical barrels for \$10 per barrel but due to lack of interest from buyers, Staff have had an increase in the stockpile of barrels at the water treatment plant. Currently, the WTP has over 70 used chemical barrels awaiting sell or disposal.

Huntington Drum Company has offered to take all cleaned and emptied barrels from the WTP for no charge to the District.

Brenntag Mid-South and CITCO Water declined taking returns except for barrels of Caustic Soda, which have a paid deposit on each order.

If the board agrees, Staff recommends allowing Huntington Drum Company to dispose of all barrels at the WTP while continuing to allow the public to buy barrels in the future if they wish to. Empty chemical barrels are a nuisance and an eyesore and removal would allow for a cleaner appearance and more storage at the WTP.