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ADMITTED IN KY AND WV

November 30, 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 November 30, 2023 Special 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 Special Board meeting scheduled for November 30, 2023.


BRIAN CUMBO
COUNSEL FOR MARTIN COUNTY
WATER DISTRICT
P.O. BOX 1844
INEZ, KY 41224
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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 1 day of Dec, 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

Special Meeting, Thursday, November 30, 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. Water Management Assistance Fund Resolution/Application
 - B. Kentucky 2024 FY DWSRF Loan Invitation
 - C. Contract 113-23-04, KY292 Booster Pump Station and Water Storage Tank
 - D. Otto Brown Booster Pump Station Renaming
- 10) Consider Motion to Convene into Closed Executive Session
- 11) Consider Motion to Close Executive Session
- 12) 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
October 24, 2023, Meeting Minutes**

Presiding: James Kerr, Chairman

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

Guests:

The Regular Meeting of the Martin County Water District was held on October 24, 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 September 26, 2023, Regular Board Meeting minutes.

- Mr. Slone motioned to accept the September 26, 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. Slone motioned to approve the Treasurer's report as submitted
- Mrs. McCoy seconded
- All ayes
- Motion carried
- Mr. Miller presented Other Financials
- Mr. Crum motioned to approve Other Financials
- Mr. Slone seconded
- All ayes
- Motion carried

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

- Mr. Slone 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.

- Staff has continued to encourage customers to register phone numbers and/or emails to receive alerts. We now have 253 people enrolled through the District's website. Mr. Miller stated that this would be enrollments, not necessarily customers since he knew for example his boss and Division of Water have signed up as well.
- 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 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
- The small VFD electric pump has been mounted and just needs to be wired in at the end of October. An actual WEG electrician will come down to complete the required work to make sure it's installed correctly and ready to go
- Received laboratory sample results from the 2024 Lead and Copper sample set. Each location sample (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
- 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
- Repairs were made on the 14" main from the Treatment Plant. They had a 6" and 8" repair clamp holding together a 14" main. It took staff 27 hours to make the necessary repairs and blow air out of the lines. Since we have fixed that leak, staff has identified 2 more leaks on the 14" main. As we tighten up the system it's exposing weak points, so we're going to have to start working on those leaks as well. Unfortunately, any time we have to make any repairs to the 14" main we have to take the system down to do that. At a minimum, Inez loses water. We are trying to plan accordingly to minimize the impact on our customers
- Mrs. McCoy asked, "so what about the new clarifier that was fixed, is it fixed?"
- Mr. Miller advised that the leak in clarifier 1 has been fixed, however we did identify another leak in another area. We talked to Pace, and we are going to go ahead and bring the clarifier online because we have subcontractors coming in to do work to make sure the level probes work and all of the electrical components are tied in. So, they are going to go ahead and proceed with all of that and do the other work on the other two clarifiers and get them operating correctly and then we'll come back and take clarifier one down and they'll fix the leak that we found yesterday morning.
- Mrs. McCoy asked, "is it in the same place?"
- Mr. Miller answered, "no ma'am it's on the other side of the clarifier actually."

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

- Water loss was reported at **64.93%** for the month of September 2023

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

- Mr. Slone motioned to approve the October Leak Adjustments
- Mr. Crum seconded
- All ayes
- Motion carried

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

- Mr. Miller stated we covered the clarifier and what we're going to be doing moving forward with that
- Work is scheduled at the Raw Water Intake to finish the building. We did get the large VFD cabinet back from Xylem and were able to get that back into the building. Pace can now finish construction on that building
- Pace still doesn't have finalized design on the cart that's supposed to be installed at Raw Water Intake, so we're waiting on finalized design for that
- We received a bid today on the 292 Booster Pump Station telemetry from Microcomm
- The other project that will be out for bid is the Collins Creek line Replacement project. It's going through the permitting phase now, and then will be put out for bid
- We're trying to focus down on the narratives for the other projects in portal so that we can make sure they meet the criteria for the SRF funding. We want to make sure all of our narratives are written to meet the criteria for points
- The CIP plan's all have a cost associated with them in the portal now
- Mrs. McCoy asked, "Is there a lot of water loss in the Warfield area that you're replacing that line. I always wondered why that was the area that was chosen?"
- Mr. Kerr responded, "at the time we were told that it was the area in the 80's, and that when they had to work on that line, they had to work on it live. And Collins Creek is still a problem area, but it was a lack of information at the time as well. It needed to be done, but looking back we may have chosen another location. It's still been beneficial to that area though
- Mr. Miller advised that it has allowed us to change the scope of the project a little and it did help us identify that Collins Creek was a problem area, so we were able to flip the project so the primary area was Collins Creek, replace that line, new meters, and new service line for those customers which is an issue and then put in valves in Warfield so we can route water through Warfield when we have a leak in that area.
- Mrs. McCoy wanted to know if it was going to help with our water loss?

- Mr. Kerr advised that it would benefit us in being able help leak detect and isolate areas better

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

- Mr. Kerr wanted to update the Board that Mr. Daniels now has water at his residence.

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

- Staff is presenting the Board with a memo on selling used Chemical Barrels
- 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
- Mr. Cumbo advised he would, "declare a binding that stated that to maintain possession of the barrels is more burdensome to the District than they are worth, and that disposal is in the best interest of the District." Something that says it cost us more in manpower and aesthetics to keep the barrels on hand than it would to destroy or take away.
- Mr. Kerr is seeking a motion that, "due to the burden of maintaining these barrels, staff is recommending that we allow Huntington Drum Company to dispose of all barrels at the Water Treatment Plant."
- Mr. Slone motioned to approve the chemical barrel disposal
- Mr. Crum seconded
- All ayes
- Motion carried

Executive session not required.

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

Mr. Kerr requested a motion to adjourn.

- Mr. Slone motioned to adjourn meeting at 6:30 p.m.
- Mr. Crum seconded

- All ayes
- Motion Carried

Minutes approved this _____ day of _____, 2023.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
October 31, 2023

10/31/23

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	(8,883.32)
Revenue Fund - EFT		2,775.90
Debt Service Surcharge Fund		76,904.84
Management Infrastructure Surcharge Fund		1,000.13
Security Deposits		102,575.17
Cash on Hand		900.00
Total Cash		175,272.72
Accounts Receivable		355,634.54
Allowance for Doubtful Accounts		(75,558.60)
Unbilled Accounts Receivable		80,438.00
Inventory		2,948.14
Prepaid Expenses		9,579.60
Total Current Assets		548,314.40

PROPERTY, PLANT, & EQUIPMENT

Land	214,713.83
Water Supply & Distribution System	28,479,181.44
Buildings	500,263.89
Equipment & Furniture	6,362,125.35
Vehicles	69,420.45
Construction Work in Progress	216,774.00
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(17,361.96)
Less: Accumulated Depreciation	(19,059,283.40)
Net Property, Plant, & Equipment	16,799,768.31

RESTRICTED CASH

Grant Fund	63.07
Sinking Fund - RD	6,924.83
Regions Sinking Fund	84,777.75
KIA Sinking Fund	6,961.45
KACO Sinking Fund	7,218.16
Depreciation Fund	1,022.44
Cost of Issuance Fund 2022	2,098.00
Certificate Fund - 2022 Debt Svc	20,107.13
Revenue Fund - 2022	3,516.49
Accrued Interest Receivable	489.00
Total Restricted Cash	133,178.32

Total Assets

\$ 17,481,261.03

Martin County Water District
Balance Sheet
October 31, 2023

10/31/23

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	130,638.72
Sales Tax Payable		2,933.96
School Tax Payable		6,646.43
Long Term Debt-Current		54,845.14
Accrued Interest Payable		28,523.50
Customer Deposits		98,115.58
Total Current Liabilities		321,703.33

LONG-TERM DEBT

Lease Liability - Rent		17,565.33
Note Payable - KIA		233,911.77
Lease Payable - KACO		26,221.96
Bonds Payable - 2015 E Current Refunding		1,585,000.00
Bonds Premium - 2015 E, Net of A/Amort		15,979.62
Bonds Payable - 2022 B		1,110,000.00
Bonds Premium - 2022 B, Net of A/Amort		987.96
Less Current Portion of L-Term Debt		(54,845.14)
Other Inflow Resources - Pension		372,879.00
Total Long-Term Debt		3,307,700.50

Total Liabilities

3,629,403.83

DISTRICT'S EQUITY

Retained Earnings (Deficit)		14,091,210.57
YTD Net Income		(239,353.37)
Total District's Equity		13,851,857.20

Total Liabilities and District's Equity

\$ 17,481,261.03

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

<u>October, 2023</u>			<u>YTD</u>		<u>Annual</u>
<u>Actual</u>	<u>Budget</u>		<u>Actual</u>	<u>Budget</u>	<u>Budget</u>
		Operating Revenues			
\$ 176,047	\$ 175,833	Water Sales - Residential	\$ 1,776,983	\$ 1,758,330	\$ 2,110,000
36,989	29,167	Water Sales - Commercial	317,745	291,670	350,000
5,675	10,000	Water Sales - Public Authorities	120,707	100,000	120,000
44	4	Bulk Water Sales	371	40	50
2,000	2,437	Connection Fees - Tap	24,543	24,370	29,246
6,504	4,583	Late Charge Fees	59,829	45,830	55,000
2,073	2,650	Reconnect/Meter Sets/Other Fees	21,076	26,500	31,801
8,756	8,917	Debt Service Surcharge	87,359	89,170	107,000
15,715	15,839	Management Infrastructure Surcharge	156,791	158,390	190,070
160	-	Miscellaneous Income	1,681	-	-
253,963	249,430	Total Operating Revenues	2,567,085	2,494,300	2,993,167
		Operating Expenses			
2,301	7,500	Water Purchased	18,274	75,000	90,000
168,507	168,507	Management & Operations Contract	1,685,070	1,685,070	2,022,084
17,113	27,917	Utilities	186,788	279,170	335,000
1,381	2,500	Insurance	18,841	25,000	30,000
88,560	5,000	Repairs & Maintenance	309,149	50,000	60,000
190	250	Outside Services	586	2,500	3,000
250	800	Legal Expenses	6,938	8,000	9,600
-	-	Accounting/Audit	7,985	8,000	8,000
4,167	4,167	Bad Debts	41,667	41,670	50,000
-	-	Bond Trustee Fees	900	500	500
423	270	Dues	3,888	2,700	3,235
615	228	Office Expense	3,642	2,280	2,732
-	833	Rent Expense	25	8,330	10,000
-	-	Regulatory Assess Fees	3,863	-	-
173	125	KY 811 Services	1,784	1,250	1,500
76	54	Miscellaneous Expenses	504	540	652
9	4	Customer Deposit Interest Expense	76	40	53
283,765	218,155	Total Operating Expenses	2,289,977	2,190,050	2,626,356
(29,802)	31,275	Net Income B/4 Other Income (Expenses)	277,109	304,250	366,811
		Other Income (Expenses)			
-	-	Gain (Loss) on Sale of Assets	1,645	-	-
216,774	-	Capital Contributions	220,902	-	-
460	-	Interest Income	4,006	-	-
(8,877)	(8,333)	Interest Expense	(89,044)	(83,330)	(100,000)
(397)	62	Amortization	(3,971)	629	753
(65,000)	(65,000)	Depreciation	(650,000)	(650,000)	(780,000)
142,960	(73,271)	Total Other Income (Expenses)	(516,462)	(732,701)	(879,247)
\$ 113,158	\$ (41,996)	Net Income (Loss)	\$ (239,353)	\$ (428,451)	\$ (512,436)

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:	Oct-23	
Water Revenue		\$ 176,047.25
Water Revenue-Commercial		36,988.68
Water Revenue-Commercial Exempt		5,674.51
Late Charges		6,504.35
Sales Taxes		2,583.65
Debt Service Surcharge		8,756.21
School Tax		6,680.12
Management Infrastructure Surcharge		15,714.60
Returned Check		1,134.00
Interest on Customer Deposits		(9.09)
Connection Fees		2,000.00
Other Miscellaneous Fees		2,113.00
Deposits Applied		(765.00)
Refund Checks Paid		40.10
Total Billing Charges		\$ 263,462.38
		<hr/>
Gallons Billed		12,887,430
		<hr/>
Customers Billed		3,377
		<hr/>

Accounts Receivable	Oct-23	
Beginning Balance		364,234.52
Billing Charges		263,462.38
Bad Debt (Write Offs) Recoveries		186.61
Accounts Receivable Collections		(272,248.97)
End of Month Accounts Receivable		355,634.54
		<hr/>

Operations Account		
Beginning Balance		\$ (4,370.87)
Deposits		
Accounts Receivable Collections		272,248.97
Accounts Receivable Collections - Pmts in EFT Revenue Account		(114,595.26)
Sewer Billing Collections in Water Bank Acct - Due to MCS		94,753.48
Customer Deposits Received		2,700.00
Capital Contributions - KIA draw for Pace		216,774.00
Miscellaneous Income (Tokens, Scrap)		204.00
Transfers from Other District Accts		123,000.00
Total Deposits		595,085.19
Disbursements:		
Checks Written		(474,079.73)
Pmts made to Sanitation for A/R Collections		(57,871.38)
Transfers to Other District Accts		(42,139.61)
Auto Drafted Utilities		(15,435.75)
Returned Checks		(40.00)
Bank Fees		(15.00)
Sales and School Tax Payments		(10,016.17)
End of Month Balance		\$ (8,883.32)
		<hr/>

Cash Receipts Collected To Date in:	Nov-23	229,968.84
Bills Submitted for Payment in:	Nov-23	(265,539.15)
Available Balance	3A-5	(44,453.63)
		<hr/>

**Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
October 31, 2023**

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ (4,370.87)	595,085.19	-	(599,597.64)	\$ (8,883.32)
Revenue EFT Account	12,234.88	114,543.08	-	(124,002.06)	2,775.90
Debt Service Surcharge	68,967.84	7,934.64	2.36	-	76,904.84
Management Infrastructure Surcharge	1,000.16	14,239.97	0.13	(14,240.13)	1,000.13
Security Deposits	100,445.93	2,165.00	4.34	(40.10)	102,575.17
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	179,177.94	733,967.88	6.83	(737,879.93)	175,272.72
Restricted Cash					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	6,575.14	10,800.00	-	(10,450.31)	6,924.83
Regions Bank-KY 2015E Martin County	74,040.75	10,450.31	286.69	-	84,777.75
KIA Bond & Interest	6,821.77	5,800.00	0.08	(5,660.40)	6,961.45
KY Assoc of Counties Leasing Trust	6,175.25	1,200.00	0.12	(157.21)	7,218.16
Depreciation Reserve	1,022.42	-	0.02	-	1,022.44
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	20,021.56	-	85.57	-	20,107.13
Revenue Fund - 2022	3,501.53	-	14.96	-	3,516.49
Total Restricted Cash	120,319.49	28,250.31	387.44	(16,267.92)	132,689.32
Total Cash & Investments	\$ 299,497.43	762,218.19	394.27	(754,147.85)	\$ 307,962.04

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
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
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

Martin County Water District, Inez KY
List of Bills for Consideration
28-Nov-23

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 14,387.43
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,531.91
3 Paintsville Utilities	Electric for token (8/05/23 to 9/05/23) Estimated	\$ 52.91
4 Martin County Public Library	Rent (Dec)	\$ 843.38
5 Martin County Water District	Sanitation (Oct)	\$ 141.67
6 Sales tax	10/2023 (estimated)	\$ 2,541.70
7 School tax	10/2023 (estimated)	\$ 6,683.47
8 Alliance Water Resources	11/1/23-11/15/23 O&M services	\$ 84,253.50
9 Alliance Water Resources	11/16/23-11/30/23 O&M services	\$ 84,253.50
10 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 14,239.97
11 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 7,934.64
12 Kentucky Underground	811 Services (Oct)	\$ 172.50
13 Brian Cumbo	Legal Fees	\$ 250.00
14 Estech Systems	Phone System (Oct)	\$ 220.50
15 NexBillPay	Fees (Oct)	\$ 73.00
16 Diesel Fuel Receipts	Diesel Fuel (Oct)	\$ 48,654.10
17 H&E Equipment Services	Pump Rental	\$ 739.50
18 Consolidated Pipe	Parts	\$ 2,540.00
19 Consolidated Pipe	Parts	\$ 1,270.00
20 Consolidated Pipe	Meter/Parts	\$ 61.15
21 Consolidated Pipe	Parts	\$ 286.96
22 Consolidated Pipe	Parts	\$ 1,270.00
23 Consolidated Pipe	Parts	\$ 2,476.48
24 Consolidated Pipe	Parts	\$ 2,520.76
25 Consolidated Pipe	Parts	\$ 3,790.04
26 Prestonsburg Utilities	Purchased Water	\$ 2,300.60
27 JABO	HDPE Pipe	\$ 800.00
28 M Dotson Contracting	Bore	\$ 8,958.60
29 Mountain Citizen	Advertising	\$ 153.58
30 Service Pump & Supply	VFD Installation	\$ 1,200.00
31 Microcomm	Year 2/3 Service Contract	\$ 6,000.00
32 JABO	Parts	\$ 96.43
33 Rain for Rent	Pump Rental	\$ 16,269.03
34 SunBelt	Pump Rental	\$ 7,504.27

Martin County Water District, Inez KY
List of Bills for Consideration
28-Nov-23

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
TOTAL		\$ 273,401.79

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

\$ 291,201.79

Security Deposit Account

Customer

1	Dustin Shane Hall	Deposit refund due to customer	\$ 9.15
2	James M. Moore	Deposit refund due to customer	\$ 30.39
3	Ethan Tyler Osborne	Deposit refund due to customer	\$ 109.32
4	Bub Roger Maynard	Deposit refund due to customer	\$ 20.06
5	Valley Agency, Inc	Deposit refund due to customer	\$ 10.97
	TOTAL		\$ 179.89

**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

October 2023

Administrative

The billing office helped the Distribution staff organize and complete numerous service orders, making sure to add all completed notes to each account for future references.

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.

Continued utilizing diesel raw water intake pump due to low river level. Pump efficiency has decreased by roughly 150 GPM due to the greater suction associated with the low river level. In order to utilize the District's 1.7 MGD pump, it is likely the riverbank pad where the pump sets will need to be lowered closer to the river.

Staff routinely filled RWI pump with diesel to allow it to run around the clock. In between scheduled service by Rain For Rent, Staff manually cleaned the suction screen and added oil as needed.

Wired in 300 HP VFD for the District's small (1.7 MGD) RWI pump.

Filled Clarifier 1 and disinfected each filter. The Clarifier was scheduled to be brought online, but the sludge collector rake was over torquing and not operable. With the repair requiring entry into the sedimentation basin, it was determined that the best course of action was to drain the Clarifier to make all necessary repairs.

Calibrated all online turbidimeters and benchtop turbidimeter to ensure accurate readings and ensure Division of Water and Environmental Protection Agency compliance.

Replaced broken shear pin in Filter 6 influent valve. After a backwash cycle, the pin broke while the valve was in operation and would not allow Operators to direct flow to the filter.

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Removed unneeded equipment and feed lines from the bottom of the pipe gallery. The next step will be to remove all unused chlorine gas feed lines from the pipe gallery.

Joshua Vaughan received his Water Treatment Plant Operator I-AD license.

Kody Rainwater received his Water Treatment Plant Operator IV-A license.

Presented water loss and operational update for the Energy and Environment Cabinet and Division of Water Quarterly Meeting.

Pace Construction and Leger Electric completed work at the RWI operations building including installing and wiring in the large VFD cabinet, setting up HVAC system, finishing exterior work and installing header board over entry door, and remounting exterior cameras.

Distribution:

Replaced a 20' section of 14" main near the WTP on Turkey Creek Road. When Staff exposed the leak, it was determined to be caused by two repair clamps bolted together to form a 14" repair clamp holding two sections of main line together with an 8" gap between the two sections. Staff removed the repair clamp and replaced the entire section of line.

Greased pumps in 40 East, 40 West, and Turkey booster pump stations following a monthly maintenance schedule.

Extensively leak detected the Old Rt. 3 and Milo areas. Leak detection crew also investigated customer reported leaks and other possible leaks that Staff located.

Repaired the following main line and service line leaks: two 1" lines, two 2" lines, one 6" line, one 10" line, one 14" line, and multiple ¾" leaks.

Completed line locate requests, disconnects and reconnects, routine service orders such as shut-off and setter replacement, and site remediations. Staff completed over 50 work orders and completed the oldest outstanding work order.

Safety

The monthly safety meeting was held on October 10th and covered Working Alone Safety, Crane Safety, and Asbestos Awareness.

Training

Generac and Evapar conducted training for WTP Operators for automatic transfer switch and



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generator operation.

Southern Flow conducted training for SCADA operation of Clarifier 1 to prepare operators for start-up.

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	

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 October	
Total Water Production (gallons)	43,000,000
Total Water Metered/Billed (gallons)	12,887,000
Other Water Used (gallons)	280,000
Average Daily Flow (Million Gallons per Day)	1.387
Maximum Daily Flow (Million Gallons per Day)	1.533
Fluoride Used (lbs.)	561
Chlorine Used (lbs.)	1,399
Lab Tests	3,801



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Martin County Water District

Water Quality Analysis

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	5 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	31	0.79 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 37 Free- 37	Low Readings Total - 0.28 mg/L Free - 0.24 mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3324
Meter Sets	28
Turn offs-Close account	22
Taps	2
Meter Changes	20
Disconnects for Non-payment	34
Boil Notices	1
Line Locates	105
Water Leaks/Breaks	52
Other/Investigates	152



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Martin County Water District

Water Main Breaks & Service Lines

Date	Location	Loss (Gallons)
9/5/23	Blacklog Rd	21,442
9/6/23	Harris St	7,340
9/7/23	Rockcastle Rd	102,762
9/7/23	Rockcastle Rd	75,515
9/8/23	N Wolf Crk	469,771
9/11/23	Turkey Crk Rd	1,582,211
9/11/23	Rockcastle Rd	176,164
9/12/23	Coldwater Rd	67,839
9/12/23	Little Blacklog Rd	333,530
9/12/23	Upper Alpha	622,834
9/14/23	N Wolf Crk	169,897
9/14/23	N Wolf Crk	21,922
9/20/23	Moore Br	196,957
9/20/23	Rockcastle Rd	60,677
9/20/23	Coldwater Rd	1,957,336
9/22/23	Blacklog Rd	28,947
9/25/23	Thickety Frk	19,418
9/28/23	Turkey Crk Rd	1,288,755
9/31/23	Turkey Crk Rd	2,573,521

Repair Expenses Ending September 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$5,067	\$5,000	101%
Vehicle Maintenance	\$17,317	\$20,000	87%
Water Plant Maintenance	\$19,110	\$10,000	191%
Distribution System Maintenance	\$62,262	\$50,000	124%
Water Meter Maintenance	\$4,670	\$10,000	46%
Street Maintenance	\$38	\$3,141	1%
Totals	\$108,464	\$98,141	110%

Chemical Expenses Ending September 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Hydroxide	\$6,975	\$11,000	63%
Polymer	\$781	\$15,000	5%
Alum (DELPAC)	\$33,868	\$30,000	112%
Chlorine	\$32,799	\$20,000	163%
Permanganate	\$5,178	\$19,000	27%
Fluoride	\$12,024	\$7,000	171%
Chemicals Other - Water	\$21,673	\$8,000	270%
Totals	\$113,298	\$110,000	102%

Notes:

- 1) Building & Grounds Maintenance
 - a. Tri Span Construction \$895.54
 - b. Tri Span Construction \$923.99
 - c. Lowes \$221.54
 - d. Evans Hardware \$95.38

- 2) Vehicle Maintenance
 - a. Wilson Equipment \$24.02
 - b. Oil Changers \$220.62
 - c. Advance Auto \$9.14
 - d. Oil Changers \$84.57
 - e. Oil Changers \$110.20

- 3) Water Plant Maintenance
 - a. Adkins FastStop \$381.00
 - b. Adkins FastStop \$47.89
 - c. Advance Auto \$174.09
 - d. Zip Zone \$274.29
 - e. Zip Zone \$100.00
 - f. Zip Zone \$299.90
 - g. Advance Auto \$193.56
 - h. Adkins FastStop \$100.00
 - i. Adkins FastStop \$100.00
 - j. Adkins FastStop \$0.11
 - k. Adkins FastStop \$100.00
 - l. Adkins FastStop \$100.00
 - m. Zip Zone \$203.89
 - n. Adkins FastStop \$108.31
 - o. Adkins FastStop \$100.00
 - p. Adkins FastStop \$100.00
 - q. Adkins FastStop \$100.00
 - r. Adkins FastStop \$0.14
 - s. Zip Zone \$100.00
 - t. Adkins FastStop \$100.00
 - u. Adkins FastStop \$100.00
 - v. Tractor Supply \$243.57
 - w. Adkins FastStop \$415.00
 - x. Adkins FastStop \$100.00
 - y. Adkins FastStop \$100.00
 - z. Adkins FastStop \$100.00
 - aa. Adkins FastStop \$357.00
 - bb. Adkins FastStop \$100.00
 - cc. Adkins FastStop \$439.00

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dd. Wal-Mart \$266.17
ee. Adkins FastStop \$420.00

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. R&J Building Supply \$719.08
 - b. R&J Building Supply \$24.21
 - c. CITCO Water \$780.91

- 6) Meter Maintenance
 - a. \$0.00

- 7) Sodium Bisulfite
 - a. CITCO Water \$1,352.11
 - b. CITCO Water \$226.92

- 8) Sodium Hydroxide
 - a. \$0.00

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

- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. CITCO Water \$2,192.55
 - b. CITCO Water \$2,189.75

- 12) Chlorine
 - a. CITCO Water \$1,111.47
 - b. CITCO Water \$2,222.93

- 13) Permanganate
 - a. Brenntag Mid-South \$1,473.40

- 14) Fluoride
 - a. \$0.00

- 15) Chemicals Other – Water
 - a. CITCO Water \$1,779.32
 - b. CITCO Water \$1,779.31

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: October Year: 2023

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	43,000
3	Water Purchased	594
4	TOTAL PRODUCED AND PURCHASED	43,594
5		
6	WATER SALES	
7	Residential	9,695
8	Commercial	3,192
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	TOTAL WATER SALES	12,887
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	280
18	Wastewater Plant	
19	System Flushing	48
20	Fire Department	4
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	332
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	9,776
27	Line Leaks	20,599
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	30,375
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)	69.68%

MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
11/20/2023

repaired leaking toilet

BILLED GALLONS/COST	15,710	185.24
AVG GALLONS/BILL	3,000	62.40
LEAK GALLONS/PURCH COST	12,710	25.42
PAY (avg+leak cost)		87.82
WRITE OFF (billed-avg-purch cost)		97.42
LATE PENALTIES TO ADJ		0.00
SEWER	15,710	236.05
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	12,710	188.24
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		188.24
SWR PENALTIES TO ADJ		0.00

285.66

repaired busted wash machine line

BILLED GALLONS/COST	13,330	160.27
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	11,330	22.66
PAY (avg+leak cost)		64.08
WRITE OFF (billed-avg-purch cost)		96.19
LATE PENALTIES TO ADJ		0.00
SEWER	13,330	200.80
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	11,330	167.80
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		167.80
SWR PENALTIES TO ADJ		0.00

263.99

repaired broken pipe connection

BILLED GALLONS/COST	261,000	2217.36
AVG GALLONS/BILL	19,000	62.40
LEAK GALLONS/PURCH COST	285	0.57
PAY (avg+leak cost)		62.97
WRITE OFF (billed-avg-purch cost)		2154.39
LATE PENALTIES TO ADJ		0.00

2,154.39

sewer only; pressure washing

SEWER	13,630	125.41
SEWER	8,110	107.64
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	10,630	77.60
LEAK SWR ADJ	5,110	59.83

SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		137.43
SWR PENALTIES TO ADJ		0.00

#REF!

replaced water hose

BILLED GALLONS/COST	49,330	537.91
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	42,330	84.66
PAY (avg+leak cost)		178.53
WRITE OFF (billed-avg-purch cost)		359.38
LATE PENALTIES TO ADJ		0.00

359.38

repaired leaking toilet

BILLED GALLONS/COST	15,300	180.94
BILLED GALLONS/COST	10,460	130.17
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	11,300	22.60
LEAK GALLONS/PURCH COST	6,460	12.92
PAY (avg+leak cost)		160.32
WRITE OFF (billed-avg-purch cost)		150.79
LATE PENALTIES TO ADJ		0.00

150.79

repaired leak

BILLED GALLONS/COST	28,890	323.50
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	26,890	53.78
PAY (avg+leak cost)		95.20
WRITE OFF (billed-avg-purch cost)		228.30
LATE PENALTIES TO ADJ		0.00

228.30

repaired leaking toilet

BILLED GALLONS/COST	64,390	695.89
BILLED GALLONS/COST	53,640	583.12
AVG GALLONS/BILL	8,000	104.36
LEAK GALLONS/PURCH COST	56,390	112.78
LEAK GALLONS/PURCH COST	45,640	91.28
PAY (avg+leak cost)		412.78
WRITE OFF (billed-avg-purch cost)		866.23
LATE PENALTIES TO ADJ		127.90

994.13

repaired leak under home

BILLED GALLONS/COST	8,800	112.75
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	6,800	13.60
PAY (avg+leak cost)		55.02
WRITE OFF (billed-avg-purch cost)		57.73
LATE PENALTIES TO ADJ		11.28

69.01

repaired leak under sink

BILLED GALLONS/COST	12,250	148.94
BILLED GALLONS/COST	10,560	131.21
AVG GALLONS/BILL	8,000	104.36
LEAK GALLONS/PURCH COST	4,250	8.50
LEAK GALLONS/PURCH COST	2,560	5.12
PAY (avg+leak cost)		222.34
WRITE OFF (billed-avg-purch cost)		57.81
LATE PENALTIES TO ADJ		0.00

57.81

repaired broken line between meter and house

BILLED GALLONS/COST	12,250	187.76
BILLED GALLONS/COST	10,560	99.43
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	8,250	16.50
LEAK GALLONS/PURCH COST	6,560	13.12
PAY (avg+leak cost)		154.42
WRITE OFF (billed-avg-purch cost)		132.77
LATE PENALTIES TO ADJ		9.94

142.71

repaired leak between meter and home

BILLED GALLONS/COST	10,290	128.38
BILLED GALLONS/COST	8,500	109.61
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	5,290	10.58
LEAK GALLONS/PURCH COST	3,500	7.00
PAY (avg+leak cost)		163.36
WRITE OFF (billed-avg-purch cost)		74.63
LATE PENALTIES TO ADJ		0.00

74.63

repaired water line inside of toilet

BILLED GALLONS/COST	28,490	319.30
BILLED GALLONS/COST	14,620	168.53
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	23,490	46.98
LEAK GALLONS/PURCH COST	9,620	19.24
PAY (avg+leak cost)		212
WRITE OFF (billed-avg-purch cost)		275.83
LATE PENALTIES TO ADJ		42.25

318.08

busted meter; no fault to customer

BILLED GALLONS/COST	28,980	324.44
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	21,980	43.96
PAY (avg+leak cost)		137.83
WRITE OFF (billed-avg-purch cost)		93.87

LATE PENALTIES TO ADJ		11.28	230.57
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repaired leak between meter and home

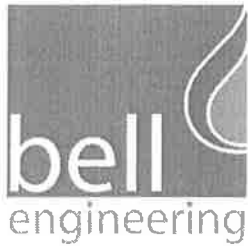
BILLED GALLONS/COST	20,300	233.39	
AVG GALLONS/BILL	3,000	51.91	
LEAK GALLONS/PURCH COST	17,300	34.60	
PAY (avg+leak cost)		86.51	
WRITE OFF (billed-avg-purch cost)		146.88	
LATE PENALTIES TO ADJ		11.28	158.16

replaced broken line between meter and business

BILLED GALLONS/COST	22,010	251.32	
BILLED GALLONS/COST	21,560	246.60	
AVG GALLONS/BILL	7,000	93.87	
LEAK GALLONS/PURCH COST	15,010	30.02	
LEAK GALLONS/PURCH COST	14,560	29.12	
PAY (avg+leak cost)		123.89	
WRITE OFF (billed-avg-purch cost)		251.04	
LATE PENALTIES TO ADJ		49.79	
SEWER	22,010	329.35	
SEWER	21,560	322.68	
AVG SEWER/BILL	7,000	47.81	
LEAK SWR ADJ	15,010	281.54	
LEAK SWR ADJ	14,560	274.87	
SWR PAY (AVG-LEAK)		95.62	
SWR WRITE OFF		556.41	
SWR PENALTIES TO ADJ		65.21	922.45

replaced line from meter to home

BILLED GALLONS/COST	74,080	797.54	
BILLED GALLONS/COST	45,680	499.62	
AVG GALLONS/BILL	18,000	209.26	
LEAK GALLONS/PURCH COST	56,080	112.16	
LEAK GALLONS/PURCH COST	27,680	55.36	
PAY (avg+leak cost)		586.04	
WRITE OFF (billed-avg-purch cost)		711.12	
LATE PENALTIES TO ADJ		0.00	711.12



MEETING AGENDA
PROGRESS MTG #50
MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY, KENTUCKY
November 14, 2023

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
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. Generator start-up and training have been performed.
31. Programming of Treatment Unit 1 has been performed.
32. Remaining work:
 - Drain Unit 1.
 - Repair Leaking areas.
 - Address issue of sludge rake sticking.
 - Startup Unit 1.
 - Begin Unit 3 repair once Unit 1 is operational.

- Secure cart for pump. Bell has taken back over coordinating the cart acquisition. Our structural engineer is working through sizing of the cart 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. Permission to bid the project has been received from the Corps of Engineers.
23. Plans and specifications will be sent to Lynn Imaging this week. It usually takes Lynn a day or two to get the project up on their site. Contractors can start ordering plans/specs and working on their bids as soon as they are up on Lynn's website.
24. We are looking at opening bids for the project on either December 12th or December 19th.

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 26th. 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. A letter has been forwarded to the District advising that it is Bell Engineering's professional opinion that the Contractor is capable of performing the work at the bid price and recommending the District award the project to Microcomm.
18. Contract documents are being prepared for signature on the assumption the project will be awarded.

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. Replacement water lines have been designed and reviewed with Alliance. The New Otto Brown Station has been designed. It will be built near the existing station. New station will be above ground concrete block structure in order to eliminate confined space issues. Final changes are being made to the Devella station and project will be ready for 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. 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 met 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 met 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 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 is preparing an opinion of cost for KYTC.
- M. SPICY MOUNTAIN WATER EXTENSION**
1. An opinion of probable project cost for delivery of water from the Johnosn 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.

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.

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 10" LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING
TURKEY WATER LINE REPLACEMENT	WX21159026	2	2023		\$ 6,822,000	IN GRANT PORTAL	REPLACING LINE FROM THE WATER PLANT TO THE TURKEY TANK. THIS LINE HAS HAD MULTIPLE LEAKS OVER THE YEARS AND IS A CRITICAL POINT FOR A LARGE SERVICE AREA IN THE SYSTEM
COLDWATER LINE REPLACEMENT	WX21159023	2	2023		\$ 8,419,000	IN GRANT PORTAL	UP TO 4 WATER LINES IN THE SAME AREA WITH MANY WEAK POINTS
WATER PLANT CLARIFIER III REHAB		1	2020	2023	\$ 250,000	AML	THIS PROJECT WILL BE COMPLETED AS PART OF A LARGER PROJECT CURRENTLY UNDERWAY. RAKE DRIVE BEARING IS OUT
TURKEY STORAGE TANK REHAB	WX21159025	1	2023		\$ 681,000	IN GRANT PORTAL	TANK IS ONE OF THE OLDEST AND IN THE WORST CONDITION IN OUR SYSTEM
Project 113-19-03 Replace Existing Mainline, Water Meters, Service Line, Valves & Hydrants in the Warfield Area	WX21159006	3	2019		\$ 1,260,658	AML	EXISTING PROJECT BIDDING SOON
Projects 113-19-05 & 113-19-06 Rehabilitation of Otto Brown Booster Station, Line replacement to Middlefork Tank, Upgrade of Davella Booster Station		1	2019 Scope changed 2022		\$ 750,000		REPLACING FAILING UNDERGROUND BOOSTER STATION IN THE SYSTEM TO ASSIST IN PROVIDING WATER TO THE AIRPORT, PRISON AND DAVELLA REGION
FEMA BACKUP GENERATOR PROJECT	WX21159015	1	2022		\$ 1,320,000	FEMA	WILL BE GENERATOR AT 40E AND 40W BOOSTER STATIONS AND THE RAW WATER INTAKE
METER REPLACEMENT PROJECT	WX21159013	1	2023		\$ 2,000,000	IN GRANT PORTAL	REDUCE WATER LOSS, EFFICIENCY IN OPERATIONS AND ELIMINATION OF HUMAN ERROR IN METER READING
HIGH SCHOOL PUMP STATION CHECK VALVE		1	2022		\$ 81,000.00		ENABLE THE DISTRICT TO USE THE HIGH SCHOOL TANK TO PROVIDE WATER TO OTHER AREAS OF THE SYSTEM BESIDES THE HIGHSCHOOL. THIS PROJECT WILL REQUIRE A PIT INSTALLED IN THE GROUND ALONG WITH THE CHECK VALVE.
OLD ROUTE 3 - WATER IMPROVEMENT PROJECT	WX21159024	1	2023		\$ 5,066,000.00	IN GRANT PORTAL - UNFUNDED	THIS PROJECT WILL REPLACE TRANSMISSION LINE, SERVICE LINE AND METERS ALONG OLD ROUTE 3. A LINE THAT TYPICALLY SEES A LOT OF LINE LEAKS. IT WILL INSTALL VALVES EVERY 500' FOR FUTURE LEAK DETECTION.
MARTIN COUNTY WATER DISTRICT - LEAD SERVICE LINE INVENTORY	WX21159018	3	2023		\$ 299,250.00	IN GRANT PORTAL - UNFUNDED	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 (L.S.L.) 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. 2x 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" DR1 HDPE Pipe, 3) Paving of the Access Road at the Raw Water Intake Site, 4) Replacement of Carbon Steel Tube Settler Supports with 304/304L Stainless Steel Supports, 5) 60-Foot and 20-Foot Sections of 10-inch DR11 HDPE 4710 Flanged Pipe, 6) A second Pump Trailer, 7) Various Unit Price Items, 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances
TOTAL					\$	30,487,760	

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

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

MARTIN COUNTY WATER DISTRICT ANNUAL CAPITAL ITEMS

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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Authorizing Resolution of Legal Applicant for Filing of Loan Application and Appointing Appropriate Local Government Official and Successors-in-Title as Official Representative of a Water Management Assistance Fund Loan Request.

WHEREAS, Martin County Water District proposes to apply for a Water Management Assistance Fund Loan, and

WHEREAS, the Board of Directors for the Martin County Water District endorses said application, and,

WHEREAS, under the terms of amendments to KRS 224A, the State is authorized to render financial assistance to eligible applicants by way of the Water Management Assistance Fund established to aid certain governmental entities with consideration for approval to be based on applications submitted through the Kentucky Infrastructure Authority, and,

WHEREAS, the requested loan to the Martin County Water District within the Martin County area is considered eligible for such loan assistance.

NOW THEREFORE, BE IT RESOLVED by Martin County Water District that the Board Chairman, Division Manager, Local Manager, and Successors-in-Title are hereby authorized to execute and submit an application through the Kentucky Infrastructure Authority with such assurances and required supporting data as is necessary to obtain loan assistance from the Water Management Assistance Fund for the requested needs and are hereby authorized as Martin County Water District's Official Project Representative to carry out necessary negotiations for and administer the loan assistance the applicant may obtain from the Water Management Assistance Fund.

Adopted this _____ day of _____, 20__.

Jimmy Don Kerr – Chairman of the Board

Martin County Water District

ATTEST: Clerk

5/9/2012

WATER MANAGEMENT ASSISTANCE FUND LOAN APPLICATION

I. GENERAL PROJECT SUMMARY

This loan is for consolidation of debt owed by the Martin County Water District. It will consolidate a loan from KRWA for \$1,104,309.66 and a KIA loan for \$219,313.49. This loan will assist the District by reducing current payments and provide it more operating capital to make necessary repairs in the system.

1. PROJECT TITLE

PROJECT NUMBER
(WX or SX #)

Martin County Water District Debt Consolidation

2. LEGAL APPLICANT

Applicant Name:

Martin County Water District

Street/P.O. Box:

387 E. Main St. Suite 140

City, State & Zip Code:

Inez, KY 41224

Telephone:

606-298-3885

Email:

cmoore@alliancewater.com

3. APPLICATION CONTACT PERSON

(Consultant, Area Development District, etc.)

Name, Title:

Craig Miller, Division Manager

Firm:

Alliance Water Resources

Street/P.O. Box:

155 E. Main St. Suite 100

City, State & Zip Code:

Inez, KY 41224

Telephone:

606-548-2250

Email:

cmiller@alliancewater.com

4. ENGINEERING FIRM (if applicable)

Name: _____

Street/P.O. Box: _____

City, State & Zip Code: _____

Contact Person: _____

Email: _____

5. BRIEF DESCRIPTION OF USE OF LOAN FUNDS
(this description will be reviewed against the existing project profile, if applicable, for the project and should be consistent with the description therein)

Funds will be utilized to consolidate debt owed by the Martin County Water District. Specifically, it will consolidate a loan from KRWA for \$1,104,309.66 and a KIA loan for \$219,313.49. The funds will assist the District by reducing current payments and provide it more operating capital for necessary repairs.

6. FINANCING PACKAGE PROPOSED

Source	Amount	Type Loan/Grant	Rate%	Term	Status
Water Management Assistance Fund	1,323,623.15	Loan	0%	20 years	Application
TOTAL	0				

* Attach evidence of commitment from other funds.

7. CERTIFICATION

To the best of my knowledge and belief, the information contained in this application is true and correct.

Typed Name and Title
Chief Executive Officer

Signature

Date

Project Cost Summary

Project Title:

Martin County Water District Debt Consolidation

WRIS#:

N/A

Project Budget: Estimated

enter date

As Bid

enter date

Revised

enter date

Cost Classification	KIA WMAF Loan	Funding Source 1	Funding Source 2	Funding Source 3	Funding Source 4	Funding Source 5	Local Funds	Unfunded Costs	Total
1 Administrative Expenses									0
2 Legal Expenses									0
3 Land, Appraisals, Easements									0
4 Relocation Expenses & Payments									0
5 Planning									0
6 Engineering Fees – Design									0
7 Engineering Fees – Construction									0
8 Engineering Fees – Inspection									0
9 Engineering Fees – Other									0
10 Construction									0
11 Equipment									0
12 Miscellaneous Debt Consolidation	\$1,323,623.15								0
13 Contingencies									0
Total	0	0	0	0	0	0	0	0	0

Funding Sources	Amount	Date Committed
WMAF KIA Loan	1,323,623.15	
1		
2		
3		
4		
Total	1,323,623.15	

Local Funding Sources	Amount	Date Committed
1		
2		
3		
Total	0	
Total Funding	0	

II. GENERAL FINANCIAL / PROJECT INFORMATION

NOTE: This application covers both capital and non-capital funding requests. If your request is solely a non-capital funding request and you do NOT intend to build or repair any facilities with the loan proceeds, you may omit responses to the items marked by an *.

1. Have business closings or disruptions occurred due to infrastructure inadequacy or failure?

Yes No

If yes, describe.

Multiple customer outages over long periods of time due to main breaks, pump failures, power outages (lack of generator backup) and other disruptions

2. Is the applicable infrastructure system under sanction from any enforcement agency?

Yes No N/A

If yes, describe (include deadlines, fines imposed and whether the loan proceeds will satisfy sanction order.)

3. * Are easements or land acquisition needed for the project?

Yes No Number of Parcels _____

Explain status of each parcel.

N/A

4. * If applicant has obtained the necessary land, indicate if by:

Leasehold interest Fee simple title Other (Specify)

N/A

5. *Have plans and specifications been reviewed and approved by the Division of Water?

Yes No

If no, explain status.

N/A

6. Does the Public Service Commission have jurisdiction over this project?

Yes No

If yes, describe their role and estimated schedule of review.

Unsure of PSC's estimated schedule of review, have requested information from PSC

III. * CURRENT INFRASTRUCTURE SYSTEM ANALYSIS

Answer each question as it relates to the system affected by the proposed infrastructure development.

1. Number of existing customers, if any: Number of customers added as a result of the project, if any

Residential	3,043
Business	281
Industrial	
Total	3324

2. System capacity:

Type of system	<u>Surface Water Treatment and Distribution</u>
Design	<u>2.1 MGD</u>
Current	<u>1.6 MGD</u>
Peak	<u>1.9 MGD</u>
Proposed	<u>N/A</u>

3. Method of treatment employed. If a new method is proposed, describe.

Upflow clarifier, coagulation, gravity filled filtration, disinfection

4. Operator Certification:

Number of certified operators required for system 2

Level of certification required IIIA

Number of operators employed by system 6

Are all operators properly certified Yes No

IV. FINANCIAL ANALYSIS

1. Are revenues and expenses for this system accounted for separately from other utility services?

Yes No

If no, explain.

2. Identify all revenues, other than service fees, which are dedicated to the system.

A. Debt Service Surcharge \$ 2.63

B. Management Infrastructure Surcharge \$ 4.72

C. _____ \$ _____

3. Is there outstanding debt on the system? Yes No

A. Source KIA, KACo, KRWA

B. Principal outstanding \$218,766.58/\$26,221.96/\$1,000,000

C. Annual debt requirement _____

D. Date of final payment 06-01-2027/03-20-2025/Unknown

Attach a copy of debt service schedule(s).

4. Has a rate study been prepared in anticipation of a rate increase?

Yes No Rate Study in progress to PSC by 12/31/2023
If yes, attach a copy.

5. Are water or sewer services provided by other communities or districts to this system?

Yes No

Attach copy of service agreements and briefly describe terms.

Mountain Water District, Prestonsburg City Utilities

6. Does this system provide services to other communities or districts?

Yes No

<u>Community/District</u>	<u># of Customers</u>	<u>Amount of Revenue Derived</u>
<u>Prestonsburg City Utilities</u>	<u>1</u>	<u>\$ 22,943.85</u>
<u>_____</u>	<u>_____</u>	<u>\$ _____</u>
<u>_____</u>	<u>_____</u>	<u>\$ _____</u>

Attach copy of service agreement(s) and briefly describe terms.

First 112,000 gallons per month \$348.50/ All over 112,000 per month \$4.05 per 1,000 gallons

7. Rate structure (attach copy of current and any proposed rate ordinance).

- A. Current 4,000 gallon rate \$ 62.40
- B. Proposed 4,000 gallon rate \$ _____
- C. Average usage/bill \$ 3,000 gal/\$55.05
- D. Date last rate increase/amount of change 03/01/2022
- E. Method of collection of service fees Monthly Billing
- F. Percentage rate of collection 97.7

Received from number of billed customers for 2022 year and divided by number of customers up for disconnect each month of the year.

G. Do any users provide more than 5% of the service revenue for the system?

Yes No

If yes, list.

<u>Company</u>	<u>% Service Revenue</u>
_____	_____
_____	_____
_____	_____

8. Compare rates with other providers in your area.

Mountain Water District First 2,000 gal/\$24.09 Next 8,000 gal/\$8.55 per 1,000 gal All over 10,000 gal \$7.62 per 1,000 gal	Prestonsburg City Utilities In City- \$.87/100 gal Out of City- \$1.12/100 gal	City of Louisa 0-1000 gal/ (In City \$14.30)(Out of City \$18.72 1,001-5,000 gal/ (In City \$5.74 per 1,000) (Out of City \$7.33 per 1,000)
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9. Operation and Maintenance.

	<u>Year</u>	<u>Cost</u>
A. Annual operation and maintenance costs for last 3 years.		\$ _____
	<u>See Audit</u>	
B. * Estimated total cost after project completion.	_____	\$ _____
C. Current annual funding requirements for depreciation, and operation and maintenance reserves.		

See Audit

D. Are operation and maintenance payments required by prior bond or ordinance?

Yes No
 If yes, are you in compliance? Yes No
 If no, explain.

E. Are operation and maintenance functions assigned to another party?

Yes No

If yes, provide details of the agreement.

Alliance Water Resources

F. Provide a copy of the current operating budget of the system affected by this proposed funding.

10. Tap fee amounts.

A. Residential \$ 1000

B. Commercial \$ At Cost

C. Other \$ _____

D. How collected Cash, Check, Money Order

Connection fees shall be due and payable prior to any connection. Connection fees are available to be put on a payment plan up to 12 months with \$200 down.

11. Outline the applicant's plan for producing revenues sufficient to cover debt service and operations.

Debt Service Surcharge is a fee collected each month, and used to pay principal, interest and or costs of retiring the debt incurred for the water system.

12. List any security available to support the proposed debt, if applicable. This may include liens on mortgages or projected revenues.

V. * IMPLEMENTATION SCHEDULE

1. Anticipated engineering design time required (including plan review).

2. Anticipated number of contracts. Please list contracts below:

<u>Contract #/Name/Description</u>	<u>Estimated Amount</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____

3. Anticipated bid advertising date(s). _____

4. Anticipated bid opening date(s). _____

5. Anticipated construction start date(s). _____

6. Anticipated construction completion date(s). _____

7. Will force account labor be used?

Yes No

If yes, list activities.

8. List any construction or bid requirements related to other funding sources, which could affect timely implementation.

VI. MANAGEMENT CAPACITY

These questions relate to compliance with statutory mandates placed on each type of applicant. Answer each question as appropriate.

1. Audit Requirement.

A. Is applicant required to have annual audit performed?

Yes No

If no, explain.

B. Date of last audit completed: 12/31/2022

C. Attach four (4) of the most recent financial statements, current year-to-date unaudited financials and current budget.

2. All Other Applicants

A. Explain designation of responsibility for financial accountability and personnel administration.

Board of Directors, Chairman of the Board, Division Manger, Local Manager, Office Manager

B. Have any public meetings been held on the proposed project or service fee increases in the last six months?

Yes No
 If yes, provide minutes.

VII. CAPITAL INVESTMENT

Federal/State Funding History.

List all federal and state funding (grant and loan) awarded to the jurisdiction during the last five (5) years for infrastructure or economic development projects.

YEAR	PROJECT	SOURCE	AMOUNT
2018	ARC Water System Improvements	ARC	\$1,200,000
2018	Water System Controls and Raw Water Modifications	AML/USACOE	\$5,319,718
2022	Water System Controls and Raw Water Modification Phase II	21SB036 Cleaner Water Program (FY 2022)	\$411,148
2022	Water System Generator Project	FEMA	\$1,320,000

VIII. REGIONALIZATION

Describe any regionalization efforts that your system is implementing, planning or considering (this does not have to be a merger with another system, it can be joining a purchase coop, entering into a management agreement with a regional manager, etc.)

Please see Attachment A



KENTUCKY INFRASTRUCTURE AUTHORITY

Andy Beshear
Governor

100 Airport Road, 3rd Floor
Frankfort, Kentucky 40601
Phone (502) 573-0260

Sandy Williams
Executive Director

Nov 06, 2023

Jimmy Kerr, Chairman
Martin County Water District
387 E Main St
Inez, KY 41224

Re: DWSRF 2024 FY Loan Invitation (KIA# **F24-022L**)

Dear Chairman,

The Kentucky Infrastructure Authority (**KIA**) invites you to submit a loan application for the 2024 Safe Drinking Water State Revolving Fund in the amount of **\$299,250**. The funds for this loan will be allocated from the 2024 DWSRF Lead Service Lines Program funding pool. The **Martin County Water District - Lead Service Line Inventory** project (KIA Loan Number **F24-022L, WX21159018**) is eligible for funding based on information provided during the open Call for Projects, which ran from October through December 2022.

Limited funding is available for loan requests, and will be based on "readiness to proceed." If you will not be moving forward with your project, please let us know as soon as possible, by responding to this email. If you are interested in DWSRF funding for your project, click on the **"ACCEPT THIS INVITATION"** link in the invitation email by **November 27, 2023**. Once you accept the loan invitation, you will receive an email with a link to the complete loan application and instructions. It must be submitted to KIA at kia.loanapplications@ky.gov by **December 21, 2023**.

This letter is an invitation to apply for funding but does not commit funds to your project. If you do not submit a loan application by **December 21, 2023**, your project will be bypassed for the 2024 funding cycle. If you are bypassed but still interested in KIA funding, you must reapply for next year's call for projects, which runs from October through mid December 2024.

After a loan application is submitted to KIA, a credit analysis will be prepared and your loan request will be presented to the KIA Board. Upon Board approval, you will receive a Conditional Commitment Letter committing funding to your project for a period of twelve (12) months. The Conditional Commitment Letter is expressly contingent upon KIA's actual receipt of funds in an amount sufficient to enable KIA to fully fund the loan. All DWSRF program requirements must be met within the terms of the Conditional Commitment Letter before a loan Assistance Agreement can be executed. A fully executed loan Assistance Agreement is required before any funds are disbursed. Please note that this loan requires annual audited financial statements, a 1.1 debt coverage ratio, an administrative fee, a replacement reserve for construction projects, and must adhere to all federal program requirements including prevailing wage rates as well as the American Iron and Steel Act and the Build America, Buy America Act if your project is funded directly from federal funds.

If you have any questions regarding the application for financing, please contact me at 502-892-3088, sandy.williams@ky.gov.

Page 2
Chairman Jimmy Kerr
November 06, 2023

Respectfully,

Sandy Williams

Sandy Williams
Executive Director
Kentucky Infrastructure Authority

CC: Matt Scofield (BSADD Water Management Coordinator)
Joe B Jacobs (Project Administrator)
Craig Miller (Applicant Contact)
KIA File

9B-2

November 30th, 2023

TO: Martin County Sanitation District
Board of Directors

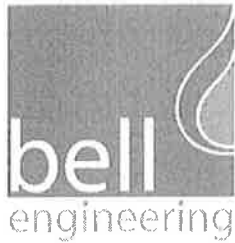
INFORMATION & DECISION

FROM: Staff

RE: Contract 113-23-04, KY292 Booster Pump Station and Water Storage Tank
Telemetry, Martin County Water District, Inez, Kentucky

The Martin County Water District issued an advertisement for bids in the October 11th edition of the Mountain Citizen. The sole bid, provided by Micro-Comm, Inc., was bid at \$47,246.00 for completion of the project.

Due to proprietary information regarding the telemetry system that Micro-Comm, Inc. currently provides to the District, Staff agrees with Bell Engineering to recommend approving the sole bid.



November 10, 2023

Mr. Jimmy Kerr, Chairman
Martin County Water District
387 East Main Street, Suite 140
Inez, Kentucky 41224

Subject: **Recommendation for Award**
 Contract 113-23-04
 Martin County Water District
 Kentucky 292 Booster Pump Station and Water Storage Tank Telemetry
 Inez, Kentucky

Dear Mr. Kerr,

We are pleased to submit our recommendation for award of the subject contract. After the bid opening on October 26, 2023 Bell Engineering reviewed the bid package received.

The Martin County Water District's existing telemetry system utilizes Microcomm equipment. Microcomm telemetry equipment or equal is required by the Contract Specifications to maintain continuity in the telemetry system. Microcomm submitted the one bid package received for the project. Their bid is \$47,246.00.00.

It is our professional opinion the Contractor is capable of performing the work at the price bid. We would therefore recommend the Martin County Water District award the project to Microcomm in the amount of \$47,246.00.

Should you have any questions about this or any other matter, please do not hesitate to call. We may be reached at 859-278-5412.

Sincerely,
BELL ENGINEERING

A handwritten signature in black ink that reads "Stephen Caudill". The signature is written in a cursive, flowing style.

Stephen H. Caudill, P.E.
Vice President

c: Craig Miller, Alliance
 Tyler Hall, Alliance
 Joe Jacobs, BSADD

9C-2

2480 fortune drive, suite 350, lexington, kentucky 40509
phone: 859.278.5412 www.hkbell.com
creating. improving. planning for the future.

November 30th, 2023

TO: Martin County Sanitation District
Board of Directors

INFORMATION & DECISION

FROM: Staff

RE: Otto Brown Booster Pump Station Renaming

As part of the 'Water System Improvements in Support of the USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Regional Airport' project that is expected to go to bid soon, the current underground Otto Brown booster pump station will be abandoned and rebuilt with a more efficient, above ground station. Once the project is completed, Staff recommends a name change to the newly constructed booster pump station.

Once construction is completed, Staff recommends the name be changed from 'Otto Brown Booster Pump Station' to 'Earl T. Alley Booster Pump Station' to honor Earl 'Tom' Alley for his 30 years of exemplary service to the Martin County Water District.