



BRIAN CUMBO

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ADMITTED IN KY AND WV

September 25, 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 September 26, 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

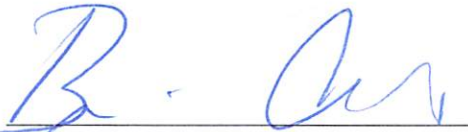
COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

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 September 26, 2023.


BRIAN CUMBO
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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 25th day of September, 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, September 26, 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
- 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
August 22, 2023, Meeting Minutes**

Presiding: James Kerr, Chairman

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

Guests: Kenneth Daniels

The Regular Meeting of the Martin County Water District was held on August 22, 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 July 25, 2023, Regular Board Meeting minutes.

- Mr. Hensley motioned to accept the July 25, 2023 minutes
- Mr. Slone 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
- Mrs. McCoy motioned to approve the Treasurer's report submitted
- Mr. Crum seconded
- All ayes
- Motion carried
- Mr. Miller presented Other Financials
- Mr. Slone motioned to approve Other Financials
- Mrs. McCoy seconded
- All ayes
- Motion carried

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

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

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

- Mrs. McCoy responded “it was mentioned in the paper last week that when we meet with Tony Sneed for a meeting that it was a secret meeting. I think you should look into how we should do that or what needs to be done.”
- Mr. Miller advised it’s not a secret meeting
- Mr. Cumbo stated it’s a quorum not a meeting
- Mrs. McCoy advised it’s not a quorum
- Mr. Kerr asked Mr. Cumbo if he could look at the article and just make sure we didn’t do something incorrectly. We’ve done these meetings every year since we’ve been with Alliance to discuss the budget
- Mr. Cumbo stated he would look into it and get back to the Board
- Mr. Kerr and Mrs. McCoy both advised they didn’t think we did anything wrong but wanted to double check

Mr. Kerr called for review of the Operations Report.

- Received results of the second set of UCMR 5 samples taken in May 2023. All 26 parameters for tested below the EPA’s maximum recommended level and were acceptable. Major parameters tested for were PFAS variations and lithium
- WTP Operator Tom Alley retired from his role as Supervisor after nearly 30 years of service to the Martin County Water District
- Replaced the Long Branch master meter and mounting flanges. This will allow Staff to more accurately document usage and potential water loss beyond the 292 GST
- Added pictures of pertinent pump, electrical control panels, meters, and booster station design of all District booster pump stations to GeoSync GIS and MaxPanda CMMS
- Repaired the following main line and service line leaks: five 1” lines, one 2” line, one 6” line, one 3” line, three 8” lines including replacing two full 20’ joints of line of Blacklog Rd, and multiple 3/4” leaks

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

- Water loss was reported at **68.76%** for the month of July 2023
- We hit a twenty-three-year record low, with water produced at 41,875,000 gallons

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

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

Mr. Miller presented the Board with the Federal Compliance Reports

- Mr. Miller presented the Board with the 3rd quarter 2023 State and Federal Compliance Reports

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

- Mr. Miller advised the remaining work needed to be completed is complete grouting/welding of the backwash gullet of Unit 1 to eliminate leaks. Pace to be onsite tomorrow to perform additional grouting/welding
- Startup Unit 1
- Begin Unit 3 repair once Unit 1 is operational
- Resolve issue with VFD for 300 HP Pumping Unit
- Secure cart for pump
- The extension for Pace has been pushed through until December 31, 2023. Some of that's pending the large pump and VFD
- Mrs. McCoy asked about the clarifier and if they did actually get a new sheet of metal to fix that not being the right size?
- Mr. Miller advised that they have redesigned a panel to fit inside, but he has yet to see it. They believe this is the answer, but Mr. Miller advised he would see and make sure
- Mrs. McCoy stated on our CIP Coldwater is still a number 2, and had the county been offered a possibility of 5 million dollars for the Coldwater and we said it would be 8 million?
- Mr. Miller advised, he hasn't heard recently, but that was his understanding that there was money available for that project. He hasn't had any updates on it as of now.
- Mrs. McCoy stated that there are some that are listed as 1's that are more likely
- Mr. Kerr advised that, that particular project was put out before we finalized our CIP
- Mrs. McCoy asked who put it out there?
- Mr. Miller advised that he believed Judge Lafferty put it out there because it was on a list of projects that we needed. We have 86% water loss on Coldwater right now, we're losing about 1.5 million gallons of water a month. It's a very big area with a long stretch of line that is a dead end. We are monitoring it very closely and it has four water lines that run up and down the sides of the roads. The ranking system is important, the Board is the one that ranks them and the way we go about getting the funds for them. These funds were requested through the fiscal court, which we're grateful for and we can hopefully get this project done as well

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

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

Executive session not required.

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

- Kenneth Daniels on 377 Rocky Top Hill said he's needing water and was told that he's not eligible by Alliance to get water to there because he has no tap. The lines are too small up the hill to supply everybody with water. My mom's lived there for over 15 years, she's got water, and her neighbor has water. I wanted to go the legal way about getting water. We've been having to go to my moms to get water to shower and flush with and it's tough. I've put in a lot of money to have my stuff put in right, from my stickers for my septic to my power. We've lived up there for over a month. I set my address up and called the water company. I'm fine to pay the \$1000 tap fee. What I don't understand is why it wouldn't be worth putting in a tap if I am going to be paying the water bill for it? I will personally pay for a pump if I need too. How do I go about getting a tap set so I can have the meter transferred and not have to run a line to my mom's?
- Mr. Kerr asked Mr. Daniels if he cared if he asked him a few questions?
- Mr. Daniels said yes
- Mr. Kerr asked Mr. Daniels if he had a new home there now?
- Mr. Daniels stated yes, he does, he's been there for a little over a month now
- Mr. Kerr asked if he had a pre-tap inspection done before he moved the house there?
- Mr. Daniels stated no he thought someone was going to do that when he stopped by the plant one day delivering a package. He then got a call from the billing office one day saying that he wasn't eligible for a tap there the line was too small
- Mr. Kerr asked, is this one up on a hill and elevated? Is it an issue with pressure?
- Mr. Miller advised, yes this is the one with a 1" line from 3 homes
- Mr. Kerr asked what the issue was
- Mr. Miller advised there was not enough pressure because of the elevation of his home. We are required by law to have a minimum of 30 PSI at the meter. If he has anything less than that at the meter, then we're in violation. There's already low pressure in that area
- Mr. Daniels asked if he could personally pay for pump for the main line?
- Mr. Miller advised we really need a 2" main line there. We need to have an engineer look at it and see what kind of pressure would need to be supplied at the mouth of the road. If a pump would need to be put in, then it would be the responsibility of the District to take care of. If Mr. Daniels were to put a pump on his side, it would help his side but would pull the pressure and water from the rest of the customers when he would be using it
- Mr. Kerr advised he would do whatever he could to try and help, but we have a set of guidelines we have to follow. We have to make sure we have enough pressure to supply to everyone. We will have Bell Engineering look at it and see what kind of pressure we would need there.

- Mr. Miller advised that even the customers there now have too small of a line. It's just like Muddy Branch, the line needs to be bigger and increased in size. However, even if we put in a bigger line doesn't mean he's going to have to proper pressure needed. That's the reason we denied the tap when we did the pre-tap inspection
- Mr. Kerr advised again he would look into what is required to do. "I understand for Mr. Daniels it's just about wanting water, and I want that for him as well. However, we have to work within the framework of what we do and how were regulated. The first thought that comes to my mind is to have Bell Engineering come out, look at it and see hydraulically and see if we can potentially get enough pressure to him then it would make sense to put in a new line.
- Mr. Kerr advised Mr. Daniels that the problem is that it wont be a fast fix. I don't want to lie to you and tell you you'll have water next week. It's going to be a little bit. However, that's the point of the pre-tap inspection. Honestly the electric should have never been installed before the water in the first place. The purpose of the pre-tap is to keep from happening, what happened. But the way it is set up presently isn't the correct way it should be happening. Step one is to get Bell out there and see what we can do hydraulically and see if it's even possible. I'm not making any promises, but I'm going to do everything I can to help you. I know the Board and Alliance is all about that too, all the people that work in the District are. We're all Martin County people and we want to help our neighbor. We're going to make sure we try and do that for you. I don't want to give you false hope, but we'll do all we can. Lets get Bell in and let them look hydraulically to see what can be done.
- Mr. Crum stated that there needs to be better communication with our customers
- Mr. Kerr agreed that it should never take that long to have a pre-tap inspection completed
- Mr. Kerr again told Mr. Daniels it wouldn't be a quick as he needs it done but he will work on it. He appreciates him being this to everyone's attention and attending the meeting

Mr. Kerr requested a motion to adjourn.

- Mr. Slone motioned to adjourn meeting at 6:35 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
August 31, 2023

8/31/23

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	13,291.74
Revenue Fund - EFT		3,137.96
Debt Service Surcharge Fund		58,966.73
Management Infrastructure Surcharge Fund		1,000.15
Security Deposits		97,770.66
Cash on Hand		900.00
Total Cash		175,067.24
Accounts Receivable		359,315.31
Allowance for Doubtful Accounts		(66,937.72)
Unbilled Accounts Receivable		80,438.00
Inventory		2,948.14
Prepaid Expenses		6,310.95
Total Current Assets		557,141.92

PROPERTY, PLANT, & EQUIPMENT

Land	214,713.83
Water Supply & Distribution System	28,454,207.37
Buildings	500,263.89
Equipment & Furniture	6,342,698.35
Vehicles	69,420.45
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(15,783.60)
Less: Accumulated Depreciation	(18,929,283.40)
Net Property, Plant, & Equipment	16,670,171.60

RESTRICTED CASH

Grant Fund	63.07
Sinking Fund - RD	6,225.45
Regions Sinking Fund	63,342.74
KIA Sinking Fund	6,682.93
KACO Sinking Fund	5,128.60
Depreciation Fund	1,022.40
Cost of Issuance Fund 2022	2,098.00
Certificate Fund - 2022 Debt Svc	19,933.81
Revenue Fund - 2022	3,486.18
Accrued Interest Receivable	352.00
Total Restricted Cash	108,335.18

Total Assets **\$ 17,335,648.70**

Martin County Water District
Balance Sheet
August 31, 2023

8/31/23

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	70,207.48
Sales Tax Payable		2,905.19
School Tax Payable		6,719.74
Long Term Debt-Current		54,845.14
Accrued Interest Payable		12,476.33
Customer Deposits		95,995.58
Total Current Liabilities		<u>243,149.46</u>

LONG-TERM DEBT

Lease Liability - Rent		19,150.50
Note Payable - KIA		243,945.75
Lease Payable - KACO		26,221.96
Bonds Payable - 2015 E Current Refunding		1,585,000.00
Bonds Premium - 2015 E, Net of A/Amort		16,105.12
Bonds Payable - 2022 B		1,110,000.00
Bonds Premium - 2022 B, Net of A/Amort		1,646.58
Less Current Portion of L-Term Debt		(54,845.14)
Other Inflow Resources - Pension		372,879.00
Total Long-Term Debt		<u>3,320,103.77</u>

Total Liabilities		<u>3,563,253.23</u>
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DISTRICT'S EQUITY

Retained Earnings (Deficit)		14,091,210.57
YTD Net Income		(318,815.10)
Total District's Equity		<u>13,772,395.47</u>

Total Liabilities and District's Equity	\$	<u>17,335,648.70</u>
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Martin County Water District
Statement of Revenues and Expenses
Fiscal Year Jan 01 to Dec 31
For the Month Ending
Actual vs Budget

<u>August, 2023</u>			<u>YTD</u>		
<u>Actual</u>	<u>Budget</u>		<u>Actual</u>	<u>Budget</u>	<u>Annual Budget</u>
		Operating Revenues			
\$ 175,726	\$ 175,833	Water Sales - Residential	\$ 1,412,707	\$ 1,406,664	\$ 2,110,000
37,710	29,167	Water Sales - Commercial	241,885	233,336	350,000
19,449	10,000	Water Sales - Public Authorities	107,003	80,000	120,000
18	4	Bulk Water Sales	307	32	50
2,000	2,437	Connection Fees - Tap	17,619	19,496	29,246
5,267	4,583	Late Charge Fees	46,942	36,664	55,000
2,015	2,650	Reconnect/Meter Sets/Other Fees	16,221	21,200	31,801
8,740	8,917	Debt Service Surcharge	69,843	71,336	107,000
15,685	15,839	Management Infrastructure Surcharge	125,355	126,712	190,070
-	-	Miscellaneous Income	200	-	-
<u>266,609</u>	<u>249,430</u>	Total Operating Revenues	<u>2,038,081</u>	<u>1,995,440</u>	<u>2,993,167</u>
		Operating Expenses			
-	7,500	Water Purchased	12,093	60,000	90,000
168,507	168,507	Management & Operations Contract	1,348,056	1,348,056	2,022,084
18,998	27,917	Utilities	154,096	223,336	335,000
1,729	2,500	Insurance	15,731	20,000	30,000
49,098	5,000	Repairs & Maintenance	180,789	40,000	60,000
41	250	Outside Services	355	2,000	3,000
288	800	Legal Expenses	6,350	6,400	9,600
-	-	Accounting/Audit	7,985	8,000	8,000
4,167	4,167	Bad Debts	33,333	33,336	50,000
-	-	Bond Trustee Fees	900	500	500
385	270	Dues	3,080	2,160	3,235
297	228	Office Expense	2,658	1,824	2,732
-	833	Rent Expense	25	6,664	10,000
-	-	Regulatory Assess Fees	3,863	-	-
138	125	KY 811 Services	1,509	1,000	1,500
30	54	Miscellaneous Expenses	352	432	652
10	4	Customer Deposit Interest Expense	57	32	53
<u>243,688</u>	<u>218,155</u>	Total Operating Expenses	<u>1,771,233</u>	<u>1,753,740</u>	<u>2,626,356</u>
<u>22,922</u>	<u>31,275</u>	Net Income B/4 Other Income (Expenses)	<u>266,848</u>	<u>241,700</u>	<u>366,811</u>
		Other Income (Expenses)			
-	-	Gain (Loss) on Sale of Assets	1,645	-	-
-	-	Capital Contributions	4,128	-	-
515	-	Interest Income	3,118	-	-
(9,063)	(8,333)	Interest Expense	(71,377)	(66,664)	(100,000)
(397)	63	Amortization	(3,177)	504	753
(65,000)	(65,000)	Depreciation	(520,000)	(520,000)	(780,000)
<u>(73,946)</u>	<u>(73,270)</u>	Total Other Income (Expenses)	<u>(585,663)</u>	<u>(586,160)</u>	<u>(879,247)</u>
<u>\$ (51,024)</u>	<u>\$ (41,995)</u>	Net Income (Loss)	<u>\$ (318,815)</u>	<u>\$ (344,460)</u>	<u>\$ (512,436)</u>

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:		Aug-23	
Water Revenue		\$	175,725.98
Water Revenue-Commercial			37,709.99
Water Revenue-Commercial Exempt			8,177.75
Late Charges			5,267.11
Sales Taxes			2,644.30
Debt Service Surcharge			8,739.55
School Tax			6,746.71
Management Infrastructure Surcharge			15,684.63
Returned Check			1,599.97
Interest on Customer Deposits			(9.70)
Connection Fees			2,000.00
Other Miscellaneous Fees			2,015.00
Deposits Applied			(1,530.00)
Refund Checks Paid			53.38
Total Billing Charges		\$	264,824.67
Gallons Billed			13,056,550
Customers Billed			3,369
<hr/>			
Accounts Receivable		Aug-23	
Beginning Balance			354,236.63
Billing Charges			264,824.67
Bad Debt (Write Offs) Recoveries			3,153.19
Accounts Receivable Collections			(262,899.18)
End of Month Accounts Receivable			359,315.31
<hr/>			
Operations Account			
Beginning Balance		\$	(3,873.03)
Deposits			
Accounts Receivable Collections			262,899.18
Accounts Receivable Collections - Pmts in EFT Revenue Account			(116,306.64)
Sewer Billing Collections in Water Bank Acct - Due to MCS			85,847.21
Customer Deposits Received			3,405.00
Prestonsburg Utilities			11,271.35
Miscellaneous Income (Tokens)			18.00
Transfers from Other District Accts			118,500.00
Total Deposits			365,634.10
Disbursements:			
Checks Written			(192,938.60)
Pmts made to Sanitation for A/R Collections			(85,044.50)
Transfers to Other District Accts			(41,896.03)
Auto Drafted Utilities			(18,521.51)
Returned Checks			(1,297.91)
Bank Fees			(30.00)
Sales and School Tax Payments			(8,740.78)
End of Month Balance		\$	13,291.74
<hr/>			
Cash Receipts Collected To Date in:	Sep-23		228,400.44
Bills Submitted for Payment in:	Sep-23		(263,891.61)
Available Balance	3A-4		(22,199.43)

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

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ (3,873.03)	365,634.10	-	(348,469.33)	\$ 13,291.74
Revenue EFT Account	5,712.38	116,306.64	-	(118,881.06)	3,137.96
Debt Service Surcharge	51,083.99	7,881.30	1.44	-	58,966.73
Management Infrastructure Surcharge	1,000.12	14,144.73	0.15	(14,144.85)	1,000.15
Security Deposits	95,749.89	2,070.00	4.15	(53.38)	97,770.66
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	150,573.35	506,036.77	5.74	(481,548.62)	175,067.24
Restricted Cash					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	5,875.76	10,800.00	-	(10,450.31)	6,225.45
Regions Bank-KY 2015E Martin County	52,572.94	10,450.31	319.49	-	63,342.74
KIA Bond & Interest	6,544.93	5,800.00	0.07	(5,662.07)	6,682.93
KY Assoc of Counties Leasing Trust	4,085.73	1,200.00	0.08	(157.21)	5,128.60
Depreciation Reserve	1,022.38	-	0.02	-	1,022.40
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	19,775.47	-	158.34	-	19,933.81
Revenue Fund - 2022	3,471.41	-	14.77	-	3,486.18
Total Restricted Cash	95,509.69	28,250.31	492.77	(16,269.59)	107,983.18
Total Cash & Investments	\$ 246,083.04	534,287.08	498.51	(497,818.21)	\$ 283,050.42

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
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
Aug-22	217,328	1,731,864	12,413	3,402	263,138

Martin County Water District, Inez KY
List of Bills for Consideration
26-Sep-23

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 16,459.44
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,358.91
3 Paintsville Utilities	Electric for token (7/05/23 to 8/05/23) Estimated	\$ 37.87
4 Martin County Public Library	Rent (Oct)	\$ 843.38
5 Martin County Water District	Sanitation (Aug)	\$ 141.67
6 Sales tax	8/2023 (estimated)	\$ 2,067.65
7 School tax	8/2023 (estimated)	\$ 6,673.13
8 Alliance Water Resources	9/1/23-9/15/23 O&M services	\$ 84,253.50
9 Alliance Water Resources	9/16/23-9/30/23 O&M services	\$ 84,253.50
10 Alliance Water Resources	Insurance Policy Installment (9/10)	\$ 1,156.77
11 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 14,144.73
12 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 7,881.30
13 Kentucky Underground	811 Services (Aug)	\$ 138.00
14 Brian Cumbo	Legal Fees	\$ 287.50
15 Estech Systems	Phone System (Aug)	\$ 218.35
16 NexBillPay	Fees (Aug)	\$ 79.00
17 Diesel Fuel Receipts	Diesel Fuel (Aug)	\$ 10,349.47
18 H&E Equipment Services	Pump Rental	\$ 6,881.48
19 Consolidated Pipe	Parts	\$ 2,595.83
20 Consolidated Pipe	Parts	\$ 1,847.66
21 Consolidated Pipe	Parts	\$ 1,874.14
22 Consolidated Pipe	Parts	\$ 688.97
23 Consolidated Pipe	Parts	\$ 1,469.45
24 Consolidated Pipe	Parts	\$ 1,986.65
25 Consolidated Pipe	Parts	\$ 2,421.34
26 Consolidated Pipe	Parts	\$ 2,361.30
27 Consolidated Pipe	Parts	\$ 2,540.00
28 Consolidated Pipe	Parts	\$ 459.42
29 Consolidated Pipe	Parts	\$ 561.90
30 Consolidated Pipe	Parts	\$ 1,159.88
31 Consolidated Pipe	Parts	\$ 2,855.11
32 Consolidated Pipe	Parts	\$ 2,540.00
33 Consolidated Pipe	Parts	\$ 304.31
34 Consolidated Pipe	Parts	\$ 278.10

Martin County Water District, Inez KY
List of Bills for Consideration
26-Sep-23

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
35 Consolidated Pipe	Parts	\$ 270.06
36 Consolidated Pipe	Parts	\$ 169.03
37 Consolidated Pipe	Parts	\$ 1,363.20
38 Consolidated Pipe	Parts	\$ 502.38
39 Consolidated Pipe	Parts	\$ 54.14
40 Consolidated Pipe	Parts	\$ 81.18
41 Consolidated Pipe	Parts	\$ 305.42
42 Consolidated Pipe	Parts	\$ 3,386.40
43 Consolidated Pipe	Parts	\$ 1,940.99
45 Citco Water	Parts	\$ 347.73
46 Citco Water	Parts	\$ 401.25
47 JABO	Parts	\$ 73.36
48 JABO	Parts	\$ 261.29
49 JABO	Parts	\$ 146.17
50 JABO	Parts	\$ 3,335.11
51 Badger Daylighting	Hydrovac Truck	\$ 3,420.57
TOTAL		\$ 263,891.61

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

\$ 281,691.61

Security Deposit Account

Customer

1 SJ Newsome	Deposit refund due to customer	\$ 63.12
2 Leann Cosby Crozier	Deposit refund due to customer	\$ 46.88
3 Brian L. Jarvis	Deposit refund due to customer	\$ 18.69
4 Helen Bush	Deposit refund due to customer	\$ 130.83

Martin County Water District, Inez KY
List of Bills for Consideration
26-Sep-23

	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
5	Albert Horn	Deposit refund due to customer	\$ 69.35
	TOTAL		\$ 63.12



Martin County Water District

OUR MISSION

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

Alliance Water Resources, Inc.

206 S. Keene
St. Columbia,
MO 65201

(573) 874-8080

August 2023

Administrative

Staff has received the LIHWAP payment and all customer accounts have been updated with the received payment.

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-powered Raw Water Intake pump to deliver water to the Curtis Crum Reservoir. To minimize fuel and diesel exhaust fluid costs, the pump was lowered to an average of 2.4 MGD delivered to the reservoir.

McKinney Painting and Pace Construction began leak repairs in the drain gullet of Clarifier 1. After seven days, the repair will be tested with multiple backwashes to ensure that the repair is complete.

Badger Daylighting removed fifteen loads of Sludge from the WTP decant pit. Before Clarifiers 2 & 3 are drained, it is likely that Badger will be needed again to remove additional sludge from the decant pit.

Trained WTP staff on Monthly Operations Reporting, Discharge Monitoring Reporting, and Backwash Flow Reporting.

Collected 2024 Lead & Copper samples with the help of participating customers.

Worked with MicroComm to clean and reset RAM and hard drive for the WTP telemetry computer. This corrected issues that were causing the computer to reset and require telemetry to be reset at the central command station.

Greased both High Service pumps, Turkey BPS pumps, 40 East and West BPS pumps, and the rake and mixer bearings on Clarifier 2.



Distribution:

Replaced a 20' section of 6" main at Riverside Apartments along with a 6" gate valve to isolate the complex during any future issues and installed a new 1" line to replace the failed 1 1/4" line to the operations building.

Repaired a leaking 8" line near Inez Pawn Shop. As the pipe exited the casing under KY 40, two sections of high-pressure line were held together with a repair wrap. Staff removed and replaced a 45° restraint coupling and joined the leaking sections of pipe with Hymax couplings.

Wired in and programmed a new 60 HP WEG VFD for pump 2 in 40 East BPS. Staff can now control the pump remotely and the station once again has two functioning pumps and VFDs.

Purchased a new battery for the dump trailer and new front tires for the distribution F150.

Installed a new sump pump in Big Elk BPS. Due to many BPS being underground, it is important to routinely check sump pump functionality to ensure stations do not accumulate water.

Removed junk vehicle from IWTP. This was the last junk vehicle on district property.

Investigated the valve vault located near the mouth of Turkey Creek Road. Staff determined that water was not routed through the valve vault but will continue to investigate ways to utilize the valves and piping to reroute water or use the parts inside for other projects.

Conducted extensive leak detection in the Inez pressure zone. Leak detection staff were able to identify the exact locations of three substantial leaks and narrowed down specific areas where additional water loss is occurring.

Replaced nonfunctional master meter at the 40 East BPS. Previously, the meter would show no changes which negatively impacted the ability to identify water loss in the area.

Replaced nonfunctional master meter at Quail Hollow Apartments to ensure accurate water usage is accounted for.

Repaired the following main line and service line leaks: four 1" lines, one 2" line, four 6" lines, one 8" line, and multiple 3/4" leaks.

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



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Martin County Water District

Safety

The monthly safety meeting was held on August 8th and covered Electrical Lockout/Tagout Procedure and Water and Wastewater Line Maintenance Safety.

Training

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 August	
Total Water Production (gallons)	45,499,000
Total Water Metered/Billed (gallons)	15,866,000
Other Water Used (gallons)	417,000
Average Daily Flow (Million Gallons per Day)	1.467
Maximum Daily Flow (Million Gallons per Day)	1.571
Fluoride Used (lbs.)	541
Chlorine Used (lbs.)	1,616
Lab Tests	3,801



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Water Quality Analysis

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	9 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	31	0.74 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 34 Free- 34	Low Readings Total - 0.46 mg/L Free – 0.39 mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3323
Meter Sets	43
Turn offs-Close account	27
Taps	1
Meter Changes	19
Disconnects for Non-payment	24
Boil Notices	4
Line Locates	68
Water Leaks/Breaks	36
Other/Investigates	144



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 Professional Water and Wastewater Operations

Martin County Water District

Water Main Breaks & Service Lines

Date	Location	Loss (Gallons)
8/1/23	Hwy 645	53,939
8/2/23	Pigeon Roost Rd	264,246
8/2/23	Hickman Hts	40,704
8/2/23	Little Petercave Br	29,360
8/2/23	Pigeon Roost Rd	6,263
8/3/23	Tomahawk Ests	315,132
8/3/23	Mudford Rd	131,305
8/7/23	Rockcastle Rd	61,657
8/7/23	Rockcastle Rd	38,450
8/8/23	Jeff Jude Rd	116,284
8/8/23	W Main St	50,342
8/8/23	Gordon Hlw	131,305
8/8/23	Poplar Fork	24,718
8/8/23	Hode Rd	281,863
8/14/23	Union Rd	123,315
8/14/23	Rockcastle Rd	98,479
8/14/23	Tomahawk Rd	590,872
8/14/23	Tomahawk Rd	590,872
8/15/23	Riverside Dr	493,259
8/15/23	Riverside Dr	32,826
8/16/23	North Milo Rd	919,135
8/25/23	Groundhog Rd	54,805
8/28/23	Stacy Hill	118,174
8/30/23	Rockcastle Rd	118,174
8/30/23	Mudford Rd	391,467
8/31/23	E Main St	3,939,149



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Repair Expenses Ending July 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$180	\$5,000	3%
Vehicle Maintenance	\$13,581	\$20,000	67%
Water Plant Maintenance	\$13,563	\$10,000	135%
Distribution System Maintenance	\$60,708	\$50,000	121%
Water Meter Maintenance	\$4,670	\$10,000	46%
Street Maintenance	\$38	\$3,141	1%
Totals	\$92,772	\$98,141	94%

Chemical Expenses Ending July 2023

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Hydroxide	\$5,491	\$11,000	49%
Polymer	\$781	\$15,000	5%
Alum (DELPAC)	\$24,006	\$30,000	80%
Chlorine	\$21,681	\$20,000	108%
Permanganate	\$2,963	\$19,000	15%
Fluoride	\$10,786	\$7,000	154%
Chemicals Other - Water	\$12,051	\$8,000	150%
Totals	\$77,759	\$110,000	70%

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Notes:

- 1) Building & Grounds Maintenance
 - a. Evans Hardware \$27.63

- 2) Vehicle Maintenance
 - a. Oil Changers \$167.45
 - b. Oil Changers \$125.90
 - c. Butcher's Exhaust & Garage \$1,077.52
 - d. Capital Tire \$1,213.50
 - e. Advance Auto \$9.53
 - f. Advance Auto \$20.54
 - g. Oil Changers \$93.78

- 3) Water Plant Maintenance
 - a. CITCO Water \$1,107.86
 - b. Lowes \$449.97
 - c. Lowes \$215.99
 - d. Lowes \$371.86
 - e. USA BlueBook \$94.56
 - f. Tractor Supply \$121.75
 - g. Tractor Supply \$188.49
 - h. Walmart Supercenter \$158.68
 - i. Evans Hardware \$56.47

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. R&J Building Supply \$66.44
 - b. Evans Hardware \$19.54
 - c. R&J Building Supply \$70.28

- 6) Meter Maintenance
 - a. \$0.00

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

- 8) Sodium Hydroxide
 - a. \$0.00

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

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- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. CITCO Water \$2,189.75
 - b. CITCO Water \$1,094.88

- 12) Chlorine
 - a. CITCO Water \$3,334.38

- 13) Permanganate
 - a. \$0.00

- 14) Fluoride
 - a. \$0.00

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

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: August Year: 2023

GALLONS (000,000)

1	WATER PRODUCED AND PURCHASED	
2	Water Produced	45,499
3	Water Purchased	
4	TOTAL PRODUCED AND PURCHASED	45,499

5		
6	WATER SALES	
7	Residential	9,556
8	Commercial	3,501
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	2,809
13	Other Sales (explain)	
14	TOTAL WATER SALES	15,866

15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	417
18	Wastewater Plant	
19	System Flushing	16
20	Fire Department	
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	433

23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	9,016
27	Line Leaks	20,184
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	29,200

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)	64.18%

**MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
9/20/2023**

leak carried over to 2nd month

BILLED GALLONS/COST	13,160	110.13
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	11,160	22.32
PAY (avg+leak cost)		63.74
WRITE OFF (billed-avg-purch cost)		46.39
LATE PENALTIES TO ADJ		0.00
SEWER	13,160	130.01
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	11,160	97.01
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		97.01
SWR PENALTIES TO ADJ		0.00

143.40

repaired broken connection between home and meter box

BILLED GALLONS/COST	11,710	143.28
BILLED GALLONS/COST	6,870	92.51
AVG GALLONS/BILL	3,000	62.40
LEAK GALLONS/PURCH COST	8,710	17.42
LEAK GALLONS/PURCH COST	3,870	7.74
PAY (avg+leak cost)		79.82
WRITE OFF (billed-avg-purch cost)		85.83
LATE PENALTIES TO ADJ		0.00

85.83

repaired guts in toilet

BILLED GALLONS/COST	11,570	141.81
BILLED GALLONS/COST	11,110	136.98
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	6,570	13.14
LEAK GALLONS/PURCH COST	6,110	12.22
PAY (avg+leak cost)		86.03
WRITE OFF (billed-avg-purch cost)		107.65
LATE PENALTIES TO ADJ		28.50

136.15

repaired leak under house

BILLED GALLONS/COST	23,580	267.79
BILLED GALLONS/COST	14,610	173.70
AVG GALLONS/BILL	8,000	104.36
LEAK GALLONS/PURCH COST	15,580	31.16
LEAK GALLONS/PURCH COST	6,610	13.22
PAY (avg+leak cost)		135.52

WRITE OFF (billed-avg-purch cost)		188.39	
LATE PENALTIES TO ADJ		0.00	188.39

repaired line feeding toilet

BILLED GALLONS/COST	9,870	123.98	
BILLED GALLONS/COST	7,820	102.70	
AVG GALLONS/BILL	6,000	83.38	
LEAK GALLONS/PURCH COST	3,870	7.74	
LEAK GALLONS/PURCH COST	1,820	3.64	
PAY (avg+leak cost)		91.12	
WRITE OFF (billed-avg-purch cost)		48.54	
LATE PENALTIES TO ADJ		0.00	48.54

high pressure regulator had to be changed by MCWD; no fault of customer

BILLED GALLONS/COST	6,890	92.72	
AVG GALLONS/BILL	3,000	51.91	
LEAK GALLONS/PURCH COST	3,890	7.78	
PAY (avg+leak cost)		59.69	
WRITE OFF (billed-avg-purch cost)		33.03	
LATE PENALTIES TO ADJ		0.00	33.03

repaired leak beside meter box

BILLED GALLONS/COST	18,400	213.46	
AVG GALLONS/BILL	3,000	51.91	
LEAK GALLONS/PURCH COST	15,400	30.80	
PAY (avg+leak cost)		82.71	
WRITE OFF (billed-avg-purch cost)		130.75	
LATE PENALTIES TO ADJ		0.00	130.75

repaired broken line to hot water tank

BILLED GALLONS/COST	42,240	463.54	
AVG GALLONS/BILL	6,000	83.38	
LEAK GALLONS/PURCH COST	36,240	72.48	
PAY (avg+leak cost)		155.86	
WRITE OFF (billed-avg-purch cost)		307.68	
LATE PENALTIES TO ADJ		0.00	307.68

line break under home

BILLED GALLONS/COST	21,000	240.73	
AVG GALLONS/BILL	5,000	72.89	
LEAK GALLONS/PURCH COST	16,000	32.00	
PAY (avg+leak cost)		104.89	
WRITE OFF (billed-avg-purch cost)		135.84	
LATE PENALTIES TO ADJ		24.07	159.91

repaired broken lines

BILLED GALLONS/COST	5,820	81.49	
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AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	3,820	7.64
PAY (avg+leak cost)		49.06
WRITE OFF (billed-avg-purch cost)		32.43
LATE PENALTIES TO ADJ		0.00
SEWER	5,820	89.57
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	3,820	56.57
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		56.57
SWR PENALTIES TO ADJ		0.00

89.00

repaired broken line under home

BILLED GALLONS/COST	17,660	205.69
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	12,660	25.32
PAY (avg+leak cost)		98.21
WRITE OFF (billed-avg-purch cost)		107.48
LATE PENALTIES TO ADJ		0.00

107.48

repaired broken lines

BILLED GALLONS/COST	4,750	70.27
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	2,750	5.50
PAY (avg+leak cost)		46.92
WRITE OFF (billed-avg-purch cost)		23.35
LATE PENALTIES TO ADJ		0.00
SEWER	4,750	73.73
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	2,750	40.73
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		40.73
SWR PENALTIES TO ADJ		0.00

64.08

busted meter; no fault to customer

BILLED GALLONS/COST	28,390	318.25
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	23,390	46.78
PAY (avg+leak cost)		72.89
WRITE OFF (billed-avg-purch cost)		119.67
LATE PENALTIES TO ADJ		0.00

198.58

repaired leaking toilet

BILLED GALLONS/COST	10,890	134.68
BILLED GALLONS/COST	7,930	103.63
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	8,890	17.78

LEAK GALLONS/PURCH COST	5,930	11.86
PAY (avg+leak cost)		59.20
WRITE OFF (billed-avg-purch cost)		85.83
LATE PENALTIES TO ADJ		9.44
SEWER	10,890	164.66
SEWER	7,930	120.82
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	8,890	131.66
LEAK SWR ADJ	5,930	87.82
SWR PAY (AVG-LEAK)		66.00
SWR WRITE OFF		219.48
SWR PENALTIES TO ADJ		10.78

325.53

replaced busted water hose

BILLED GALLONS/COST	14,540	172.96
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	11,540	23.08
PAY (avg+leak cost)		74.99
WRITE OFF (billed-avg-purch cost)		97.97
LATE PENALTIES TO ADJ		0.00
SEWER	14,540	218.72
AVG SEWER/BILL	3,000	33.00
LEAK SWR ADJ	11,540	185.72
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		185.72
SWR PENALTIES TO ADJ		0.00

283.69

1" service line couplings blew apart, replaced

BILLED GALLONS/COST	17,300	201.92
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	15,300	30.60
PAY (avg+leak cost)		72.02
WRITE OFF (billed-avg-purch cost)		129.90
LATE PENALTIES TO ADJ		0.00

129.90

replumbed under home

BILLED GALLONS/COST	15,990	188.18
BILLED GALLONS/COST	11,620	142.33
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	12,990	25.98
LEAK GALLONS/PURCH COST	8,620	17.24
PAY (avg+leak cost)		77.89
WRITE OFF (billed-avg-purch cost)		183.47
LATE PENALTIES TO ADJ		0.00

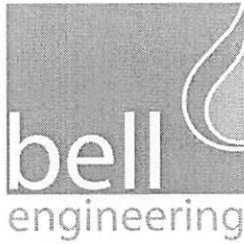
183.47

repaired 2 leaking toilet that ran continuously

BILLED GALLONS/COST	330,480	3486.65
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BILLED GALLONS/COST	218,980	2317.01
AVG GALLONS/BILL	100,000	1139.09
LEAK GALLONS/PURCH COST	230,480	460.96
LEAK GALLONS/PURCH COST	118,980	237.96
PAY (avg+leak cost)		2977.10
WRITE OFF (billed-avg-purch cost)		2826.56
LATE PENALTIES TO ADJ		
SEWER	330,480	4897.79
SEWER	218,980	3246.47
AVG SEWER/BILL	100,000	1583.46
LEAK SWR ADJ	230,480	3314.33
LEAK SWR ADJ	118,980	1663.01
SWR PAY (AVG-LEAK)		3,166.92
SWR WRITE OFF		4,977.34
SWR PENALTIES TO ADJ		0.00

7,803.90



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 Johnosn 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, EFFECIENCY IN OPERATIONS AND ELIMINATION OF HUMAN ERROR IN METER READING
HIGH SCHOOL PUMP STATION CHECK VALVE		1	2022		\$ 81,000.00		ENABLE THE DISTRICT TO USE THE HIGH SCHOOL TANK TO PROVIDE WATER TO OTHER AREAS OF THE SYSTEM BESIDES THE HIGHSCHOOL. THIS PROJECT WILL REQUIRE A PIT INSTALLED IN THE GROUND ALONG WITH THE CHECK VALVE.
OLD ROUTE 3 - WATER IMPROVEMENT PROJECT	WX21159024	1	2023		\$ 5,066,000.00	IN GRANT PORTAL - UNFUNDED	THIS PROJECT WILL REPLACE TRANSMISSION LINE, SERVICE LINE AND METERS ALONG OLD ROUTE 3. A LINE THAT TYPICALLY SEES A LOT OF LINE LEAKS. IT WILL INSTALL VALVES EVERY 500' FOR FUTURE LEAK DETECTION
MARTIN COUNTY WATER DISTRICT - LEAD SERVICE LINE INVENTORY	WX21159018	3	2023		\$ 299,250.00	IN GRANT PORTAL - UNFUNDED	This project is for the Utility to conduct a Lead Service Line Inventory as required under 40 CFR 141.84. This project consists of a system wide Lead Service Line (LSL) Inventory. This shall include a comprehensive inventory of each service connection within the system to determine the service line material on both sides of the meter.
WATER SYSTEM CONTROLS AND RAW WATER MODIFICATIONS PHASE III	WX21159018	3	2022		\$ 2,563,852.00	IN GRANT PORTAL - UNFUNDED	1) Replacement of Treatment Unit No. 2's Sludge Collector Drive, 2) An additional 20-Foot Section of the 10-inch DR 11 HDPE 4710 Pipe and an additional 20-Foot Section of 12" DR8 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 man 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					\$ 30,487,780		

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

CASELL 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 IT'S 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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