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ADMITTED IN KY AND WV

July 24, 2024

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

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

To Whom It May Concern:

Enclosed please find Martin County Water District's Notice of Filing the information packet for the July 23, 2024 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld

Enclosure

cc: Martin County Water District
Hon. Mary Varson Cromer

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2020-00154

NOTICE OF FILING

Comes the Martin County Water District, by counsel, and hereby gives Notice of Filing of the attached information packet for the Martin District Board meeting on July 23, 2024.



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

CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 24th day of July, 2024, to the following:

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

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



BRIAN CUMBO

Martin County Water District
387 E. Main St.

Phone (606) 298-3885 Inez, Kentucky 41224
Regular Meeting, Tuesday, July 23, 2024 – 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. AML “Rt. 40 East Water Improvement Project” Bank Account Set Up

- 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
Special Meeting of the Board of Directors
June 25, 2024, Meeting Minutes**

Presiding: James Kerr, Chairman

Present: Directors: BJ Slone, John Hensley, Greg Crum, Nina McCoy
Staff: Todd Adams (DM), Colby May (LM), Cassandra Moore

Guests:

The Regular Meeting of the Martin County Water District was held on June 25, 2024, 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 May 30, 2024, Special Board Meeting minutes.

- Mr. Hensley motioned to accept the May 30, 2024 minutes
- Mrs. McCoy seconded
- All ayes
- Motion carried

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

- Mr. Adams detailed each report as submitted
- Mr. Slone motioned to approve the Treasurer's report submitted
- Mr. Crum seconded
- All ayes
- Motion carried
- Mr. Adams 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
- Mr. Hensley 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.

- Tony Sneed is retiring from AWR effective June 28
- New rake chain for Clarifier Number 1 was ordered and has been received
- Sludge valve on Clarifier number 2, previously broken, has been repaired
- Pumping to the prison at about an average of 7 hours per day
- Pumping 140 more gpm to prison after repair of break on New Rt. 3

Mrs. Bogenpohl presented an update of the water loss report.

- Water loss was reported at **68.47%** for the month of May 2024

Mr. Kerr presented the Board with the June Leak Adjustments.

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

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

- Raw water trailer is in and the pump down to it. A new cable has been connected to the trailer and they lowered it, the column that is holding the wench started to wobble a little bit. They think structurally it's good but doing a few models on it to verify just in case. Would like to keep the current pump on site for the next few weeks until we're sure we don't need it anymore
- Collins Creek project to start July 1, 2024
- Microcomm delivered some equipment, they are going to have someone out in two weeks to start installing that to help us with communication
- Otto Brown project has been revised by Bell and they are planning to send it to the DOW within the next 30 days for approval and bid
- KIA has advised we can start to move forward with the Turkey Tank Rehabilitation and countywide meter replacement project. An opinion of probable cost has been prepared and entered into the KIA portal and forwarded to AML for funding consideration. Hoping we can start that soon and get the bid packets out
- Mr. Kerr mentioned that he attended a meeting last week with Big Sandy ADD and Senator McCool. Mr. Adams is putting together some information for them, but they mentioned some state funding for us and other water districts

Mr. Kerr presented the 5-year CIP

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.

Mr. Kerr requested a motion to adjourn.

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

Minutes approved this _____ day of _____, 2024.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
June 30, 2024

6/30/24

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	134,963.55
Revenue Fund - EFT		15,400.68
Debt Service Surcharge Fund		1,000.07
Management Infrastructure Surcharge Fund		1,000.12
Security Deposits		103,136.53
Cash on Hand		900.00
Total Cash		256,400.95
Accounts Receivable		394,876.07
Allowance for Doubtful Accounts		(47,528.72)
Unbilled Accounts Receivable		46,933.00
Inventory		4,249.44
Prepaid Expenses		18,470.67
Total Current Assets		673,401.41

PROPERTY, PLANT, & EQUIPMENT

Land	214,713.83
Water Supply & Distribution System	28,457,347.39
Buildings	500,263.89
Equipment & Furniture	6,186,445.00
Vehicles	47,635.45
Construction Work in Progress	333,133.88
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(23,675.40)
Less: Accumulated Depreciation	(19,315,987.22)
Net Property, Plant, & Equipment	16,433,811.53

RESTRICTED CASH

Grant Fund	63.07
Sinking Fund - RD	10,382.75
Regions Sinking Fund	74,408.19
KIA Sinking Fund	5,756.50
KACO Sinking Fund	3,970.09
Depreciation Fund	1,022.60
Cost of Issuance Fund 2022	2,098.00
Accrued Interest Receivable	342.00
Total Restricted Cash	98,043.20

Total Assets **\$ 17,205,256.14**

Martin County Water District
Balance Sheet
June 30, 2024

6/30/24

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	434,008.77
Sales Tax Payable		3,008.11
School Tax Payable		7,252.56
Current Portion of Lease Liabilities		9,869.98
Long Term Debt-Current		50,691.96
Accrued Interest Payable		29,560.70
Customer Deposits		101,123.73
Total Current Liabilities		635,515.81

LONG-TERM DEBT

Lease Liability - Rent		11,138.20
Lease Payable - KACO		11,221.96
Bonds Payable - 2015 E Current Refunding		1,520,000.00
Bonds Premium - 2015 E, Net of A/Amort		15,475.75
Note Payable - KIA WMAF		1,301,093.39
Current Portion of Lease Liabilities		(9,869.98)
Less Current Portion of L-Term Debt		(50,691.96)
Other Inflow Resources - Pension		22,451.00
Total Long-Term Debt		2,820,818.36

Total Liabilities

3,456,334.17

DISTRICT'S EQUITY

Retained Earnings (Deficit)		14,016,387.87
YTD Net Income		(267,465.90)
Total District's Equity		13,748,921.97

Total Liabilities and District's Equity

\$ 17,205,256.14

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

June, 2024			YTD		
Actual	Budget		Actual	Budget	Annual Budget
		Operating Revenues			
\$ 190,172	\$ 175,833	Water Sales - Residential	\$ 1,060,149	\$ 1,054,998	\$ 2,110,000
40,044	29,167	Water Sales - Commercial	211,155	175,002	350,000
4,337	10,417	Water Sales - Public Authorities	36,003	62,498	125,000
24	33	Bulk Water Sales	338	202	400
4,000	2,215	Connection Fees - Tap	10,076	13,290	26,580
6,705	4,583	Late Charge Fees	40,978	27,498	55,000
3,386	1,955	Reconnect/Meter Sets/Other Fees	15,142	11,735	23,465
8,682	8,917	Debt Service Surcharge	52,191	53,502	107,000
15,582	15,673	Management Infrastructure Surcharge	93,666	94,043	188,081
210	-	Miscellaneous Income	390	-	-
273,142	248,793	Total Operating Revenues	1,520,086	1,492,768	2,985,526
		Operating Expenses			
3,149	2,500	Water Purchased	46,606	15,000	30,000
168,507	168,507	Management & Operations Contract	1,011,042	1,011,042	2,022,084
21,047	27,917	Utilities	132,901	167,502	335,000
3,338	2,500	Insurance	13,889	15,000	30,000
15,278	9,167	Repairs & Maintenance	156,443	54,998	110,000
-	83	Outside Services	37	502	1,000
-	833	Legal Expenses	2,950	5,002	10,000
-	-	Accounting/Audit	8,125	8,000	8,000
3,750	3,750	Bad Debts	22,500	22,500	45,000
-	-	Bond Trustee Fees	900	500	500
428	385	Dues	2,568	2,310	4,620
409	344	Office Expense	4,137	2,066	4,130
-	833	Rent Expense	25	4,998	10,000
4,703	-	Regulatory Assess Fees	4,703	-	-
167	125	KY 811 Services	849	750	1,500
45	55	Miscellaneous Expenses	(649)	330	660
415	5	Customer Deposit Interest Expense	5,108	32	65
221,234	217,004	Total Operating Expenses	1,412,134	1,310,532	2,612,559
51,907	31,789	Net Income B/4 Other Income (Expenses)	107,952	182,236	372,967
		Other Income (Expenses)			
43,355	-	Capital Contributions	43,355	-	-
322	-	Interest Income	1,790	-	-
(4,942)	(8,333)	Interest Expense	(34,033)	(49,998)	(100,000)
(726)	63	Amortization	(4,029)	378	753
(61,000)	(65,000)	Depreciation	(378,000)	(390,000)	(780,000)
-	-	Loan Issue Costs	(4,500)	-	-
(22,992)	(73,270)	Total Other Income (Expenses)	(375,418)	(439,620)	(879,247)
\$ 28,916	\$ (41,481)	Net Income (Loss)	\$ (267,466)	\$ (257,384)	\$ (506,280)

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:	Jun-24		
Water Revenue		\$	190,171.60
Water Revenue-Commercial			40,043.84
Water Revenue-Commercial Exempt			4,336.51
Late Charges			6,705.30
Sales Taxes			2,809.16
Debt Service Surcharge			8,682.29
School Tax			7,276.51
Management Infrastructure Surcharge			15,581.85
Returned Check			891.44
Interest on Customer Deposits			(415.36)
Connection Fees			4,000.00
Other Miscellaneous Fees			3,354.93
Deposits Applied			(1,395.00)
Refund Checks Paid			313.60
Total Billing Charges		\$	282,356.67
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Gallons Billed			15,001,830
			<hr/>
Customers Billed			3,360
			<hr/>

Accounts Receivable	Jun-24		
Beginning Balance			369,009.67
Billing Charges			282,356.67
Bad Debt (Write Offs) Recoveries			903.16
Accounts Receivable Collections			(257,337.47)
End of Month Accounts Receivable			394,932.03
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Operations Account			
Beginning Balance		\$	29,196.95
Deposits			
Accounts Receivable Collections			257,337.47
Accounts Receivable Collections - Pmts in EFT Revenue Account			(121,150.97)
Sewer Billing Collections in Water Bank Acct - Due to MCS			84,550.26
Customer Deposits Received			2,340.00
Captial Contributions - KIA draw for Pace			43,354.80
Miscellaneous Income (Tokens, Barrels, Hydrant, Scrap)			265.47
Transfers from Other District Accts			113,000.00
Total Deposits			379,697.03
Disbursements:			
Checks Written			(138,703.27)
Pmts made to Sanitation for A/R Collections			(66,820.19)
Transfers to Other District Accts			(37,005.54)
Auto Drafted Utilities			(22,132.35)
Returned Checks			(373.79)
Bank Fees			(45.00)
Sales and School Tax Payments			(8,850.29)
End of Month Balance		\$	134,963.55
			<hr/>

Cash Receipts Collected To Date in:	Jul-24		192,533.52
Bills Submitted for Payment in:	Jul-24		(273,429.65)
Available Balance	3A-4		54,067.42
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**Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
June 30, 2024**

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 29,196.95	379,697.03	-	(273,930.43)	\$ 134,963.55
Revenue EFT Account	7,649.45	121,287.92	-	(113,536.69)	15,400.68
Debt Service Surcharge	1,000.09	7,476.90	0.07	(7,476.99)	1,000.07
Management Infrastructure Surcharge	1,000.15	13,418.64	0.12	(13,418.79)	1,000.12
Security Deposits	102,554.43	891.44	4.26	(313.60)	103,136.53
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	142,301.07	522,771.93	4.45	(408,676.50)	256,400.95
Restricted Cash					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	9,810.98	10,800.00	-	(10,228.23)	10,382.75
Regions Bank-KY 2015E Martin County	63,928.79	10,228.23	251.17	-	74,408.19
KIA Bond & Interest	7,888.86	3,500.00	0.08	(5,632.44)	5,756.50
KY Assoc of Counties Leasing Trust	3,046.23	1,000.00	0.06	(76.20)	3,970.09
Depreciation Reserve	1,022.58	-	0.02	-	1,022.60
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	(0.00)	-	-	-	(0.00)
Revenue Fund - 2022	-	-	-	-	-
Total Restricted Cash	87,858.51	25,528.23	251.33	(15,936.87)	97,701.20
Total Cash & Investments	\$ 230,159.58	548,300.16	255.78	(424,613.37)	\$ 354,102.15

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
Jun-24	242,641	1,345,685	15,002	3,360	257,337
May-24	216,837	1,103,043	12,467	3,358	237,602
Apr-24	213,974	886,207	12,086	3,364	251,226
Mar-24	212,057	672,233	11,811	3,363	272,363
Feb-24	248,544	460,176	14,796	3,368	242,010
Jan-24	211,632	211,632	11,527	3,363	256,105
Dec-23	220,140	2,660,623	12,672	3,382	243,624
Nov-23	217,116	2,440,483	12,236	3,387	250,247
Oct-23	222,782	2,223,367	12,887	3,377	272,249
Sep-23	239,821	2,000,585	14,662	3,372	278,720
Aug-23	225,013	1,760,764	13,057	3,369	262,899
Jul-23	222,438	1,535,751	12,869	3,363	257,785
Jun-23	222,407	1,313,313	13,007	3,367	249,254

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

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 18,400.89
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,437.76
3 Paintsville Utilities	Electric for token (5/02/24 to 6/04/24) Estimated	\$ 66.66
4 Martin County Public Library	Rent (July)	\$ 843.38
5 Martin County Water District	Sanitation (June)	\$ 141.67
6 Sales tax	6/2024 (estimated)	\$ 2,345.19
7 School tax	6/2024 (estimated)	\$ 6,505.10
8 Alliance Water Resources	7/1/24-7/15/24 O&M services	\$ 84,253.50
9 Alliance Water Resources	7/16/24-7/31/24 O&M services	\$ 84,253.50
10 Alliance Water Resources	Insurance Policy Installment (7/10)	\$ 2,120.60
11 Alliance Water Resources	Colnsolidate Pipe & Supply-Meters for Distributio	\$ 2,841.97
12 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 13,418.64
13 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 7,476.90
14 Kentucky Underground	811 Services (June)	\$ 166.50
15 Estech Systems	Phone System (June)	\$ 219.46
16 NexBillPay	Fees (June)	\$ 77.00
17 Diesel Fuel Receipts	Diesel Fuel (June)	\$ 3,064.99
18 H&E Equipment Services	Pump Rental	\$ 739.50
19 Prestonsburg Utilities	Purchased Water	\$ 3,147.05
20 Rain for Rent	Pump Rental	\$ 10,920.84
21 Marsh McLennan Agency	Surety Bond	\$ 356.30
22 Marsh McLennan Agency	Surety Bond	\$ 2,468.65
23 Kentucky Department of Revenue	Annual Assessment	\$ 4,702.62
24 Pace Contracting, LLC	RWI & WTP Project	\$ 14,451.60
25 Pace Contracting, LLC	RWI & WTP Project	\$ 28,903.20
26 Mountain Water District	Purchased Water	\$ 1.72
TOTAL		\$ 294,325.19

Operations Account - Debt Service Funding		Transfer Amounts
1 KIA	Monthly funding for KIA Bond/Loan	\$ 5,600.00
2 KACo	Monthly funding for lease payment	\$ 1,000.00
3 KRW/Regions Bank	Monthly funding for loan	\$ 10,800.00

TOTAL \$ 17,400.00

TOTAL OPERATIONS \$ 311,725.19

Security Deposit Account

Customer

1	Melinda Thompson	Deposit refund due to customer	\$	36.35
2	Mark & Donna Howard	Deposit refund due to customer	\$	7.23
3	Ernest Jarvis	Deposit refund due to customer	\$	68.67
4	Carmel Cline	Deposit refund due to customer	\$	52.31
5	First State Bank	Deposit refund due to customer	\$	43.96
6	Dena Spence	Deposit refund due to customer	\$	29.01
7	Samantha Adkins	Deposit refund due to customer	\$	10.19
	TOTAL		\$	<u>247.72</u>

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

June 2024

Administrative

Alliance hosted Division of Water and EPA for a walk through of the water treatment plant, reservoir and raw water intake.

Water Treatment

Clarifier # 2 at the treatment plant was painted with Red Cardinal and Martin County

Continuing pressure washing and cleaning of the outside of the treatment plant

New rake chain for Clarifier Number 1 was ordered and has been received

Front entrance was painted and floors inside treatment plant

New motor replaced on carbon feed system

Pumped 171.5 hours to the Prison

Distribution

Installed valves on Cold Water to help with leak detection and isolation of the system

Estimated 30% of water main replacement on Collins Creek completed

Made repairs to Dempsey meter box to eliminate safety issue

Fixed a total of 33 water leaks in the distribution system for the month



Project Updates

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

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

June 2024

Water Pumped	
Total Water Production (gallons)	43,890,000
Total Water Metered/Billed (gallons)	1,500,200
Other Water Used (gallons)	230,000
Average Daily Flow (Million Gallons per Day)	1,700,267
Maximum Daily Flow (Million Gallons per Day)	1,844,000
Fluoride Used (lbs.)	405
Chlorine Used (lbs.)	1,398
Lab Tests	3,815

Water Quality Analysis
June 2024

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	3 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	30	0.81 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 33 Free- 33	Low Readings Total - 0.57mg/L Free - 0.47mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3314
Meter Sets	26
Turn offs-Close account	16
Taps	0
Meter Changes	3
Disconnects for Non-payment	56
Boil Notices	2
Line Locates	116
Water Leaks/Breaks	19
Other/Investigates	113



Professional Water and Wastewater Operations

Martin County Water District

Water Main Breaks & Service Lines

Date	Location of Leak or Line Break	Calculated Loss for Month
6/3/24	3548 Davella rd.	118,174
6/3/24	New rt 3	1,969,574
6/4/24	3548 Davella rd.	39,391
6/4/24	3854 Blacklog rd	945,396
6/5/24	235 Sweetwater rd	196,957
6/6/24	2980 Rockhouse rd	1,890,791
6/6/24	70 Himlerville st	236,349
6/7/24	21 Taylors court	275,740
6/7/24	73 Oakie drive	551,481
6/7/24	3358 Rockhouse rd	0
6/7/24	31 Bruce st	275,740
6/10/24	4934 Big elk rd	709,047
6/10/24	1246 Big elk rd	393,915
6/10/24	189 Horn branch	472,698
6/11/24	3569 Davella rd	1,299,919
6/11/24	7311 Beauty rd	433,306
6/12/24	Trace fork rd	118,174
6/12/24	143 Newberry lane	472,698
6/12/24	1169 Davella rd	945,396
6/13/24	83 Fraley drive	78,783
6/13/24	8101 Beauty rd	1,024,179
6/17/24	529 Big elk rd	669,655
6/17/24	31 Bruce st	1,339,311
6/18/24	5412 Rockcastle rd	236,349
6/18/24	72 South wolf creek	1,418,094
6/19/24	1398 Coldwater rd	748,438
6/19/24	20 John cassady drive	1,496,877
6/20/24	136 Jakes PL	11,817
6/21/24	5201 Rockcastle Rd	78,783
6/24/24	67 Taylors Crt	19,696
6/25/24	299 Preston Br	78,783
6/26/24	66 Cassel Br	39,391
6/26/24	26 Columbus preece Rd	118,174
6/28/24	3596 Hode Rd	39,391

Repair Expenses Ending May 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$18	\$5,000	<1%
Vehicle Maintenance	\$21,310	\$20,000	106%
Water Plant Maintenance	\$4,169	\$7,000	60%
Distribution System Maintenance	\$79,419	\$50,000	159%
Water Meter Maintenance	\$4,257	\$10,000	43%
Street Maintenance	\$0	\$8,000	0%
Totals	\$109,172	\$100,000	109%

Chemical Expenses Ending May 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Bisulfite	\$2,749		
Sodium Hydroxide	\$2,255	\$11,000	20%
Polymer	\$2,622	\$15,000	17%
Alum (DELPAC)	\$16,768	\$30,000	56%
Chlorine	\$15,649	\$20,000	78%
Permanganate	\$2,083	\$19,000	11%
Fluoride	\$1,238	\$7,000	18%
Chemicals Other - Water	\$3,559	\$8,000	44 %
Totals	\$46,924	\$110,000	43%

Notes:

- 1) Building & Grounds Maintenance
 - a. R & J Building Supply \$17.57

- 2) Vehicle Maintenance
 - a. Advance Auto \$1,085.72
 - b. Capital Tire \$1,135.45
 - c. Oil Changers \$387.09
 - d. Butcher's Exhaust & Garage \$428.98
 - e. Allen Car Wash \$14.00
 - f. Miners Mart \$6.24

- 3) Water Plant Maintenance
 - a. Advance Auto Parts \$124.78
 - b. CITCO \$633.20
 - c. Unlimited Equipment \$1,139.50

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. Consolidated Pipe & Supply \$12,084.79
 - b. Jabo Supply \$7,068.93
 - c. Evans Hardware \$117.53
 - d. Tug Valley Service & Supply \$2,760.56
 - e. Core & Main \$219.42
 - f. R & J Building Supply \$40.36
 - g. Service Pump & Supply \$689.00
 - h. Advanced Auto \$28.70
 - i. Kermit Western \$27.87

- 6) Meter Maintenance
 - a. \$0.00

- 7) Sodium Bisulfite
 - a. \$0.00

- 8) Sodium Hydroxide
 - a. Citco Water \$2,029.74

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

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

- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. CITCO Water \$4,379.5

- 12) Chlorine
 - a. CITCO Water \$4,445.86

- 13) Permanganate
 - a. CITCO Water \$2,083.03

- 14) Fluoride
 - a. \$0.00

- 15) Chemicals Other – Water
 - a. CITCO Water \$3,558.61

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: June Year: 2024

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	43,890
3	Water Purchased	803
4	TOTAL PRODUCED AND PURCHASED	44,693
5		
6	WATER SALES	
7	Residential	11,436
8	Commercial	3,566
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain) <u>Prison</u>	1,555
14	TOTAL WATER SALES	16,557
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	230
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	3
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	233
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	
27	Line Leaks	27,903
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	27,903
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)	62.43%

MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
7/18/2024

pool fill up; sewer only

BILLED GALLONS/COST	19,770	227.83	
AVG GALLONS/BILL	7,000	93.87	
LEAK GALLONS/PURCH C	12,770	25.54	
PAY (avg+leak cost)		119.41	
WRITE OFF (billed-avg-purch cost)		0.00	
LATE PENALTIES TO ADJ		0.00	
SEWER	19,770	296.17	
AVG SEWER/BILL	7,000	107.05	
LEAK SWR ADJ	12,770	189.12	
SWR PAY (AVG-LEAK)		107.05	
SWR WRITE OFF		189.12	
SWR PENALTIES TO ADJ		0.00	189.12

pool fill up; sewer only

BILLED GALLONS/COST	BILLED GALLONS	19,530		
BILLED GALLONS/COST	BILLED GALLONS	12,590		268.36
AVG GALLONS/BILL	AVG GALLONS	7,000		
LEAK GALLONS/PURCH C	LEAK GALLONS	12,530	25.06	
LEAK GALLONS/PURCH C	LEAK GALLONS	5,590	11.18	
PAY (avg+leak cost)	PAY (avg+leak cost)		25.06	
WRITE OFF (billed-avg-pu	WRITE OFF (billed-avg-pu		0.00	
LATE PENALTIES TO ADJ	LATE PENALTIES TO ADJ		0.00	
SEWER	SEWER	19,530	292.62	
SEWER	SEWER	12,590	189.84	
AVG SEWER/BILL	AVG SEWER/BI	7,000	107.05	
LEAK SWR ADJ	LEAK SWR AD	12,530	185.57	
LEAK SWR ADJ	LEAK SWR AD	5,590	82.79	
SWR PAY (AVG-LEAK)	SWR PAY (AVG-LEAK)		214.10	
SWR WRITE OFF	SWR WRITE OFF		268.36	
SWR PENALTIES TO ADJ	SWR PENALTIES TO ADJ		0.00	

pool fill up; sewer only

BILLED GALLONS/COST	10,530	130.90	
AVG GALLONS/BILL	6,000	83.38	
LEAK GALLONS/PURCH C	4,530	9.06	
PAY (avg+leak cost)		92.44	
WRITE OFF (billed-avg-purch cost)		0.00	
LATE PENALTIES TO ADJ		0.00	
SEWER	10,530	159.33	
AVG SEWER/BILL	6,000	92.24	
LEAK SWR ADJ	4,530	67.09	

SWR PAY (AVG-LEAK)		92.24
SWR WRITE OFF		67.09
SWR PENALTIES TO ADJ		0.00

67.09

repaired line under home

BILLED GALLONS/COST	13,630	163.42
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	11,630	23.26
PAY (avg+leak cost)		64.68
WRITE OFF (billed-avg-purch cost)		98.74
LATE PENALTIES TO ADJ		0.00
SEWER	13,630	205.24
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	11,630	172.24
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		172.24
SWR PENALTIES TO ADJ		0.00

270.98

replaced hot water tank

BILLED GALLONS/COST	8,300	107.51
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH C	3,300	6.60
PAY (avg+leak cost)		79.49
WRITE OFF (billed-avg-purch cost)		28.02
LATE PENALTIES TO ADJ		0.00
SEWER	8,300	126.30
AVG SEWER/BILL	5,000	77.43
LEAK SWR ADJ	3,300	48.87
SWR PAY (AVG-LEAK)		77.43
SWR WRITE OFF		48.87
SWR PENALTIES TO ADJ		0.00

76.89

repaired leaks between meter and home; 2nd month

BILLED GALLONS/COST	9,210	117.05
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	7,210	14.42
PAY (avg+leak cost)		55.84
WRITE OFF (billed-avg-purch cost)		61.21
LATE PENALTIES TO ADJ		0.00
SEWER	9,210	139.78
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	7,210	106.78
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		106.78
SWR PENALTIES TO ADJ		0.00

167.99

repaired broken line under home

BILLED GALLONS/COST	69,960	754.32
BILLED GALLONS/COST	4,000	62.40
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH C	65,960	131.92
LEAK GALLONS/PURCH C	-	0.00
PAY (avg+leak cost)		256.72
WRITE OFF (billed-avg-purch cost)		560.00
LATE PENALTIES TO ADJ		0.00

560.00

pool fill up; sewer only

BILLED GALLONS/COST	13,610	163.21
AVG GALLONS/BILL	5,000	77.43
LEAK GALLONS/PURCH C	8,610	17.22
PAY (avg+leak cost)		94.65
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	13,610	204.94
AVG SEWER/BILL	5,000	77.43
LEAK SWR ADJ	8,610	127.51
SWR PAY (AVG-LEAK)		77.43
SWR WRITE OFF		127.51
SWR PENALTIES TO ADJ		0.00

218.15

127.51

pool fill up; sewer only

BILLED GALLONS/COST	5,260	75.62
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	3,260	6.52
PAY (avg+leak cost)		47.94
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	5,260	81.28
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	3,260	48.28
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		48.28
SWR PENALTIES TO ADJ		0.00

48.28

pool fill up; sewer only

BILLED GALLONS/COST	12,090	147.26
AVG GALLONS/BILL	5,000	77.43
LEAK GALLONS/PURCH C	7,090	14.18
PAY (avg+leak cost)		91.61
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	12,090	182.43
AVG SEWER/BILL	5,000	77.43
LEAK SWR ADJ	7,090	105.00

SWR PAY (AVG-LEAK)		77.43	
SWR WRITE OFF		105.00	
SWR PENALTIES TO ADJ		0.00	105.00

pool fill up; sewer only

BILLED GALLONS/COST	BILLED GALLONS	14,270	
BILLED GALLONS/COST	BILLED GALLONS	6,460	
AVG GALLONS/BILL	AVG GALLONS	3,000	
LEAK GALLONS/PURCH C	LEAK GALLONS	11,270	22.54
LEAK GALLONS/PURCH C	LEAK GALLONS	3,460	6.92
PAY (avg+leak cost)	PAY (avg+leak cost)		22.54
WRITE OFF (billed-avg-pu	WRITE OFF (billed-avg-pu		0.00
LATE PENALTIES TO ADJ	LATE PENALTIES TO ADJ		0.00
SEWER	SEWER	14,270	214.72
SEWER	SEWER	6,460	99.05
AVG SEWER/BILL	AVG SEWER/BI	3,000	47.81
LEAK SWR ADJ	LEAK SWR AD	11,270	166.91
LEAK SWR ADJ	LEAK SWR AD	3,460	51.24
SWR PAY (AVG-LEAK)	SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF	SWR WRITE OFF		218.15
SWR PENALTIES TO ADJ	SWR PENALTIES TO ADJ		0.00

pool fill up; sewer only

BILLED GALLONS/COST	BILLED GALLONS	16,440	192.90
BILLED GALLONS/COST	BILLED GALLONS	4,900	75.95
AVG GALLONS/BILL	AVG GALLONS	3,000	51.91
LEAK GALLONS/PURCH C	LEAK GALLONS	13,440	26.88
LEAK GALLONS/PURCH C	LEAK GALLONS	1,900	3.80
PAY (avg+leak cost)	PAY (avg+leak cost)		78.79
WRITE OFF (billed-avg-pu	WRITE OFF (billed-avg-pu		0.00
LATE PENALTIES TO ADJ	LATE PENALTIES TO ADJ		0.00
SEWER	SEWER	16,440	246.86
SEWER	SEWER	4,900	75.95
AVG SEWER/BILL	AVG SEWER/BI	3,000	47.81
LEAK SWR ADJ	LEAK SWR AD	13,440	199.05
LEAK SWR ADJ	LEAK SWR AD	1,900	28.14
SWR PAY (AVG-LEAK)	SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF	SWR WRITE OFF		227.19
SWR PENALTIES TO ADJ	SWR PENALTIES TO ADJ		0.00

227.19

pool fill up; sewer only

BILLED GALLONS/COST	4,200	147.26
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	2,200	4.40
PAY (avg+leak cost)		45.82
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00

SEWER	4,200	65.58
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	2,200	32.58
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		32.58
SWR PENALTIES TO ADJ		0.00

32.58

repaired leak in kitchen

BILLED GALLONS/COST	5,340	76.46
BILLED GALLONS/COST	4,070	63.13
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH C	2,340	4.68
LEAK GALLONS/PURCH C	1,070	2.14
PAY (avg+leak cost)		56.59
WRITE OFF (billed-avg-purch cost)		28.95
LATE PENALTIES TO ADJ		5.07
SEWER	5,340	82.47
SEWER	4,070	63.66
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	2,340	34.66
LEAK SWR ADJ	1,070	15.85
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		50.51
SWR PENALTIES TO ADJ		4.06

88.59

repaired leak near meter

BILLED GALLONS/COST	8,490	109.50
BILLED GALLONS/COST	6,770	91.46
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH C	4,490	8.98
LEAK GALLONS/PURCH C	2,770	5.54
PAY (avg+leak cost)		71.38
WRITE OFF (billed-avg-purch cost)		61.64
LATE PENALTIES TO ADJ		0.00
SEWER	8,490	129.12
SEWER	6,770	103.64
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	4,490	66.50
LEAK SWR ADJ	2,770	41.02
SWR PAY (AVG-LEAK)		125.24
SWR WRITE OFF		107.52
SWR PENALTIES TO ADJ		0.00

169.16

replaced toilet plumbing

BILLED GALLONS/COST	9,490	119.99
BILLED GALLONS/COST	5,260	75.62
AVG GALLONS/BILL	3,000	51.91

LEAK GALLONS/PURCH C	6,490	12.98
LEAK GALLONS/PURCH C	2,260	4.52
PAY (avg+leak cost)		64.89
WRITE OFF (billed-avg-purch cost)		74.29
LATE PENALTIES TO ADJ		0.00
SEWER	9,490	143.93
SEWER	5,260	81.28
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	6,490	96.12
LEAK SWR ADJ	2,260	33.47
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		129.59
SWR PENALTIES TO ADJ		0.00

203.88

had leak in line between meter and home

BILLED GALLONS/COST	12,400	150.52
BILLED GALLONS/COST	11,380	139.82
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH C	7,400	14.80
LEAK GALLONS/PURCH C	6,380	12.76
PAY (avg+leak cost)		87.69
WRITE OFF (billed-avg-purch cost)		117.00
LATE PENALTIES TO ADJ		0.00
SEWER	12,400	187.02
SEWER	11,380	171.92
AVG SEWER/BILL	5,000	77.43
LEAK SWR ADJ	7,400	109.59
LEAK SWR ADJ	6,380	94.49
SWR PAY (AVG-LEAK)		154.86
SWR WRITE OFF		204.08
SWR PENALTIES TO ADJ		0.00

321.08

pool fill up; sewer only

BILLED GALLONS/COST	15,660	184.71
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH C	11,660	23.32
PAY (avg+leak cost)		85.72
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	15,660	235.30
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	11,660	172.68
SWR PAY (AVG-LEAK)		62.62
SWR WRITE OFF		172.68
SWR PENALTIES TO ADJ		0.00

172.68

repaired broken line near meter; 2nd month

BILLED GALLONS/COST	10,440	129.96
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH C	6,440	12.88
PAY (avg+leak cost)		75.28
WRITE OFF (billed-avg-purch cost)		54.68
LATE PENALTIES TO ADJ		0.00

54.68

pool fill up; sewer only

BILLED GALLONS/COST	11,830	0.00
AVG GALLONS/BILL	4,000	0.00
LEAK GALLONS/PURCH C	7,830	0.00
PAY (avg+leak cost)		0.00
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	11,830	178.58
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	7,830	115.96
SWR PAY (AVG-LEAK)		62.62
SWR WRITE OFF		115.96
SWR PENALTIES TO ADJ		0.00

115.96

repaired broken line under home

BILLED GALLONS/COST	15,100	178.84
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH C	11,100	22.20
PAY (avg+leak cost)		84.60
WRITE OFF (billed-avg-purch cost)		94.24
LATE PENALTIES TO ADJ		0.00

94.24

repaired leak in toilet

BILLED GALLONS/COST	58,220	631.17
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	56,220	112.44
PAY (avg+leak cost)		153.86
WRITE OFF (billed-avg-purch cost)		477.31
LATE PENALTIES TO ADJ		0.00

477.31

repaired broken line

BILLED GALLONS/COST	5,900	82.33
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	3,900	7.80
PAY (avg+leak cost)		49.22
WRITE OFF (billed-avg-purch cost)		33.11
LATE PENALTIES TO ADJ		0.00
SEWER	5,900	90.76
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	3,900	57.76

SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		57.76
SWR PENALTIES TO ADJ		0.00

90.87

repaired leak in bathroom & kitchen

BILLED GALLONS/COST	23,930	271.47
BILLED GALLONS/COST	17,770	206.85
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	21,930	43.86
LEAK GALLONS/PURCH C	15,770	31.54
PAY (avg+leak cost)		158.24
WRITE OFF (billed-avg-purch cost)		320.08
LATE PENALTIES TO ADJ		27.15

347.23

repaired broken line

BILLED GALLONS/COST	23,900	271.15
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	21,900	43.80
PAY (avg+leak cost)		85.22
WRITE OFF (billed-avg-purch cost)		185.93
LATE PENALTIES TO ADJ		0.00

185.93

repaired broken line

BILLED GALLONS/COST	16,510	193.63
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	14,510	29.02
PAY (avg+leak cost)		70.44
WRITE OFF (billed-avg-purch cost)		123.19
LATE PENALTIES TO ADJ		0.00
SEWER	16,510	247.89
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	14,510	214.89
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		214.89
SWR PENALTIES TO ADJ		0.00

338.08

repaired leak

BILLED GALLONS/COST	18,230	211.67
BILLED GALLONS/COST	13,360	160.59
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH C	15,230	30.46
LEAK GALLONS/PURCH C	10,360	20.72
PAY (avg+leak cost)		82.37
WRITE OFF (billed-avg-purch cost)		217.26
LATE PENALTIES TO ADJ		37.23
SEWER	18,230	273.37
SEWER	13,360	201.24

AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	15,230	225.56
LEAK SWR ADJ	10,360	153.43
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		378.99
SWR PENALTIES TO ADJ		47.46

680.94

repaired leak

BILLED GALLONS/COST	12,180	148.21
BILLED GALLONS/COST	11,980	146.11
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH C	9,180	18.36
LEAK GALLONS/PURCH C	8,980	17.96
PAY (avg+leak cost)		70.27
WRITE OFF (billed-avg-purch cost)		154.18
LATE PENALTIES TO ADJ		14.53
SEWER	12,180	183.77
SEWER	11,980	180.80
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	9,180	135.96
LEAK SWR ADJ	8,980	132.99
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		268.95
SWR PENALTIES TO ADJ		17.98

455.64

pool fill up; sewer only

BILLED GALLONS/COST	8,930	114.12
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH C	6,930	0.00
PAY (avg+leak cost)		41.42
WRITE OFF (billed-avg-purch cost)		0.00
LATE PENALTIES TO ADJ		0.00
SEWER	8,930	135.63
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	6,930	102.63
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		102.63
SWR PENALTIES TO ADJ		0.00

102.63

repaired leak in yard

BILLED GALLONS/COST	70,370	758.62
BILLED GALLONS/COST	2,000	41.42
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH C	67,370	134.74
LEAK GALLONS/PURCH C	(1,000)	-2.00
PAY (avg+leak cost)		186.65
WRITE OFF (billed-avg-purch cost)		563.48

LATE PENALTIES TO ADJ		0.00	
SEWER	70,370	1045.56	
SEWER	2,000	33.00	
AVG SEWER/BILL	3,000	47.81	
LEAK SWR ADJ	67,370	997.75	
LEAK SWR ADJ	(1,000)	-14.81	
SWR PAY (AVG-LEAK)		95.62	
SWR WRITE OFF		982.94	
SWR PENALTIES TO ADJ		0.00	1,546.42

pool fill up; sewer only

BILLED GALLONS/COST	15,890	187.13	
AVG GALLONS/BILL	4,000	62.40	
LEAK GALLONS/PURCH C	11,890	23.78	
PAY (avg+leak cost)		86.18	
WRITE OFF (billed-avg-purch cost)		0.00	
LATE PENALTIES TO ADJ		0.00	
SEWER	15,890	238.71	
AVG SEWER/BILL	4,000	52.81	
LEAK SWR ADJ	11,890	185.90	
SWR PAY (AVG-LEAK)		52.81	
SWR WRITE OFF		185.90	
SWR PENALTIES TO ADJ		0.00	185.90

pool fill up; sewer only

BILLED GALLONS/COST	14,390	114.12	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH C	12,390	0.00	
PAY (avg+leak cost)		41.42	
WRITE OFF (billed-avg-purch cost)		0.00	
LATE PENALTIES TO ADJ		0.00	
SEWER	14,390	216.50	
AVG SEWER/BILL	2,000	33.00	
LEAK SWR ADJ	12,390	183.50	
SWR PAY (AVG-LEAK)		33.00	
SWR WRITE OFF		183.50	
SWR PENALTIES TO ADJ		0.00	183.50

pool fill up; sewer only

BILLED GALLONS/COST	BILLED GALLONS	14,690	
BILLED GALLONS/COST	BILLED GALLONS	11,450	
AVG GALLONS/BILL	AVG GALLONS	6,000	
LEAK GALLONS/PURCH C	LEAK GALLONS	8,690	17.38
LEAK GALLONS/PURCH C	LEAK GALLONS	5,450	10.90
PAY (avg+leak cost)	PAY (avg+leak cost)		17.38
WRITE OFF (billed-avg-pu	WRITE OFF (billed-avg-pu		0.00
LATE PENALTIES TO ADJ	LATE PENALTIES TO ADJ		0.00

SEWER	SEWER	14,690	220.94
SEWER	SEWER	11,450	172.95
AVG SEWER/BILL	AVG SEWER/BI	6,000	92.24
LEAK SWR ADJ	LEAK SWR AD	8,690	128.70
LEAK SWR ADJ	LEAK SWR AD	5,450	80.71
SWR PAY (AVG-LEAK)	SWR PAY (AVG-LEAK)		184.48
SWR WRITE OFF	SWR WRITE OFF		209.41
SWR PENALTIES TO ADJ	SWR PENALTIES TO ADJ		17.30

repaired broken line near meter; 2nd month

BILLED GALLONS/COST	33,600	372.90	
AVG GALLONS/BILL	4,000	62.40	
LEAK GALLONS/PURCH C	29,600	59.20	
PAY (avg+leak cost)		121.60	
WRITE OFF (billed-avg-purch cost)		251.30	
LATE PENALTIES TO ADJ		0.00	251.30

repaired leak in line

BILLED GALLONS/COST	29,530	330.21	
BILLED GALLONS/COST	21,310	243.98	
AVG GALLONS/BILL	6,000	83.38	
LEAK GALLONS/PURCH C	23,530	47.06	
LEAK GALLONS/PURCH C	15,310	30.62	
PAY (avg+leak cost)		244.44	
WRITE OFF (billed-avg-purch cost)		329.75	
LATE PENALTIES TO ADJ		27.15	356.90

repaired leaking toilet

BILLED GALLONS/COST	8,910	113.91	
BILLED GALLONS/COST	3,580	57.99	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH C	6,910	13.82	
LEAK GALLONS/PURCH C	1,580	3.16	
PAY (avg+leak cost)		99.82	
WRITE OFF (billed-avg-purch cost)		72.08	
LATE PENALTIES TO ADJ		0.00	72.08

meter changed; no fault to customer

BILLED GALLONS/COST	38,370	422.94	
BILLED GALLONS/COST	21,420	245.14	
AVG GALLONS/BILL	2,000	65.93	
LEAK GALLONS/PURCH C	36,370	72.74	
LEAK GALLONS/PURCH C	19,420	38.84	
PAY (avg+leak cost)		243.44	
WRITE OFF (billed-avg-purch cost)		424.84	
LATE PENALTIES TO ADJ		42.29	466.93



**MEETING AGENDA
 PROGRESS MTG #55
 MARTIN COUNTY WATER DISTRICT
 MARTIN COUNTY, KENTUCKY
 July 9, 2024**

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

SUMMARY OF PROJECT FUNDING:

<u>Source</u>	<u>Amount</u>	<u>Associated Project(s)</u>
AMLER (2017)	\$3,450,000	A,B,C
COE 531 Partnership (25% Match)	\$1,869,718	B,C
ARC Grant	\$1,200,000	D
AMLER (2018)	\$2,000,000	E
FEMA/STATE	\$1,201,000	K
COE 531 Partnership	<u>\$1,500,000</u>	B
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.
Since our last meeting---
32. Pace, Alliance and Bell are continuing to meeting weekly in an effort to get the project wrapped up as soon as possible.
33. Unit 1 continues to run and produce water. The chain on Unit 1 (which was not originally replaced as part of this project) developed slack. This chain turns the rakes. A new chain was ordered and installed.

34. Unit 3 remains shut down as construction activity is now concentrated on this unit. All water continues to be produced by Units 1 and 2.
35. Alliance has reached out and scheduled replacement of the bearing in Unit 3.
36. In an effort to complete the project as soon as possible, Pace installed Unit 3 Tube Settler Supports and Tube Settler Modules in advance of the bearings being replaced.
37. The Contractor has made the electrical connections for any drives or motors not previously connected.
38. The cable that connects the winch to the cart at the raw water intake was too short and the swivel hook shipped with the trailer was not rated for the load. A new cable and swivel hook were ordered and installed.
39. During testing, vibration was noted on the concrete pier where the winch is connected. The situation has been reviewed by the structural and geotechnical engineers for the project who have advised the system may be placed in service. The Contractor has been asked to proceed with placing the unit in service.
40. There may be some additional steps taken in the future such as performing a pile continuity test and/or tying the winch into the bank behind it with a cable(s). However, this will not prevent the unit from being placed into service.

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 Concurs, LLC).
 19. The low bid was submitted by Conhurst with a base bid of \$910,810.00 and a total bid with alternate of \$1,744,066.00.
 20. \$1.5M in additional project funding through the Corps of Engineers is available for the project. Changes have been made to the plans in order to better align the proposed scope with available funds. The revised plans have been reviewed with representatives of Alliance.
 21. Locations of new valves in the Warfield area, a tie-in of the line along Firehouse Lane to Route 282, and valving in the Groundhog Lane area on both the sideline/mainline have been added.
 22. Permission to bid the project has been received from the Corps of Engineers.
 23. The project was advertised for bidding through both the local paper (December) and Lynn Imaging (November and December). A total of eight (8) Contractors picked up project plans.
 24. Bids were opened on December 20, 2023. The low bid was determined by the base bid (Collins Creek). Only Collins Creek was awarded for construction.
 25. The District accepted the bid submitted by Boca Enterprises and awarded the job to Boca.
 26. Contract books have been executed.
 27. A pre-construction conference was held on May 29th.
 28. An issue arose concerning the need for a roadway permit from the City of Warfield to excavate in and along Collins Creek Roadway. That permit has been secured.

29. Big Sandy ADD had asked the Notice to Proceed be held while they work out an issue with the County concerning the match money. That issue was resolved and the Notice to proceed was issued on June 21st instructing the contractor to begin work on or before July 1st.
30. Work began on July 1st. The contractor has been laying line along Tom Evans Lane. As of the end of the day yesterday, 1,360 linear feet of mainline had been installed. This represents approximately 15% of the total mainline.

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. Project was awarded to Microcomm.
18. The Contract for the project was executed by the District and Microcomm.
19. Microcomm has shipped a some of the equipment. Bell has reached out to request an installation date.

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 and reviewed with Alliance. It will be built near the existing station. New station will be above ground concrete block structure in order to eliminate confined space issues. Final revisions have been made and a final bid form has been assembled. The Division of Water submittal is being prepared. All will be reviewed with Alliance.

F. WATER LINE RELOCATION HUNTER'S LANE

1. Met on-site with Bizzack Construction, Alliance Water Resources and representatives of other utilities.
2. A scope of work for the project has been developed.
3. Project is on hold.

G. KY 908 GUARDRAIL PROJECT

1. Met on-site with KYTC multiple times.
2. KYTC has advised additional funds have been requested to perform this work. They will release the project for design when those funds are approved.

H. SESTER BRANCH UTILITY RELOCATION

1. Plans and specifications are 100% complete. Engineering contract has been approved by KYTC and forwarded to MCWD for signature. Project to be bid as soon as KYTC has all agreements in place and final review is conducted by with Alliance. We spoke with KYTC and are looking to send the project to Lynn Imaging next week and advertise shortly thereafter.

I. REPLACE BRIDGE ON KY 40 OVER BUCK CREEK

1. Met with KYTC to review proposed work. Both Engineering and construction related costs will be paid by KYTC.
2. Received roadway plans from KYTC.
3. Bell is preparing the new waterline alignment.

J. HIGH SCHOOL PUMP STATION CHECK VALVE

1. Project to move forward when funded. An updated project cost has been provided to Alliance.

K. FEMA BACKUP GENERATOR PROJECT

1. FEMA funded a project that includes the following:
 - One Generator to operate 750-HP VFD Controlled RWI Pump
 - Two Generators to operate 60-HP VFD Controlled Pumping Stations
2. The district received a letter in April from FEMA advising of award in the amount of \$1,140,300.
3. Project design is ongoing tracking toward completion when interim project funding is secured.

L. KY 292 UTILITY RELOCATION

1. Representatives of KYTC, Alliance and Bell Engineering met onsite to discuss the project.
2. Bell has been onsite to survey the property.
3. Bell prepared relocation plans and reviewed with Alliance.
4. An Opinion of Construction Cost, relocation plans and proposed engineering contract were all sent to KYTC.
5. KYTC sent Notice to Proceed with final design on February 2nd.
6. Project to be bid as soon as KYTC has all agreements in place and final review is conducted by with Alliance. After speaking with KYTC, it is anticipated the project can be advertised for bid in late July.

M. TURKEY TANK REHABILITATION

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

N. COUNTYWIDE METER REPLACEMENT PROJECT

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

O. SPICY MOUNTAIN WATER EXTENSION

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

P. 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.

Q. 40E WATER IMPROVEMENT PROJECT

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

R. 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.

S. 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.

T. WATER IMPROVEMENT PROJECT BETWEEN WTP AND TURKEY TANK

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

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

- Bell has prepared two different scopes for the project with associated opinions of probable project cost. ADD intends to prepare an AMLER grant application.
- An updated project cost was prepared at the request of the Martin County Water District.
- Distribution Building and Pipe Yard
- 292 Booster Station and Water Line Replacement

- Big Elk Water Line Replacement and Booster Station Rehabilitation
- Buffalo Horn Water Line Replacement and Booster Pump Station Rehabilitation
- 645 Water Line Replacement and Booster Station Rehabilitation
- Wolf Creek/Pigeon Roost Water Line Replacement
- Meathouse Water Line Replacement and Booster Station Rehabilitation
- Hode Water Line Replacement
- Cassell Branch Water Line Replacement and Booster Pump Station Rehabilitation
- Creek Crossing Replacement Project
- Valve Insertion Project
- Big Lick Water Line Replacement and Booster Station Rehabilitation
- Peter Cave Water Line Replacement and Booster Pump Station Rehab
- Kermit Water Line Connection

MARTIN COUNTY WATER DISTRICT 5 YEAR CAPITAL ITEMS

CAPITAL PROJECTS IN GRANT PROCESS	Pnum	PRIORITY	GRANT PORTAL YEAR	CONSTRUCTION YEAR	COST	FUNDING SOURCE	COMMENTS
RT 40E - WATER IMPROVEMENT PROJECT	WX21159019	1	2023		\$ 975,000	IN GRANT PORTAL	MOVING 50+ CUSTOMERS TO NEWER 10" LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING
TURKEY WATER LINE REPLACEMENT	WX21159026	2	2023		\$ 6,822,000	IN GRANT PORTAL	REPAIRING 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	REPLACE WATER LOSS EFFICIENTLY 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 HIGH SCHOOL. THIS PROJECT WILL REQUIRE A PIT INSTALLED IN THE GROUND ALONG WITH THE CHECK VALVE.
OLD ROUTE 3 - WATER IMPROVEMENT PROJECT	WX21159024	1	2023		\$ 5,086,000.00	IN GRANT PORTAL - UNFUNDED	THE PROJECT WILL REPLACE TRANSMISSION LINE, SERVICE LINE AND METERS ALONG OLD ROUTE 3. A LINE THAT TYPICALLY SEES A LOT OF LINE LEAKS. IT WILL INSTALL VALVES EVERY 500' FOR FUTURE LEAK DETECTION.
MARTIN COUNTY WATER DISTRICT - LEAD SERVICE LINE INVENTORY	WX21159018	3	2023		\$ 299,250.00	IN GRANT PORTAL - UNFUNDED	THE PROJECT IS FOR THE UTILITY TO CONDUCT A Lead Service Line Inventory as required under 40 CFR 141.84. This project consists of a system wide Lead Service Line (LSL) Inventory. This shall include a comprehensive inventory of each service connection within the system to determine the service line material on both sides of the meter.
WATER SYSTEM CONTROLS AND RAW WATER MODIFICATIONS PHASE III	WX21159018	3	2022		\$ 2,563,852.00	IN GRANT PORTAL - UNFUNDED	1) Replacement of Treatment Unit No. 2's Sludge Collector Drive; 2) An additional 20-Foot Section of the 10-inch DR 11 HDPE 4710 Pipe and an additional 20-Foot Section of 12" DR3 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					\$ 30,467,760		

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	

July 23rd, 2024

TO: Martin County Water District
Board of Directors

INFORMATION & DECISION

FROM: Staff

RE: AML "Rt 40 East Water Improvement Project" Bank Account Set Up

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

Authorized Signers:

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

If the Board agrees, staff recommend opening a new bank account for the AML Rt. 40 East Water Improvement Project with the listed board members as authorized signers on the account.