



BRIAN CUMBO

ATTORNEY AT LAW

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

ADMITTED IN KY AND WV

March 25, 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 March 26, 2024 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld

Enclosure

cc: Martin County Water District
Hon. Mary Varson Cromer

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2020-00154

NOTICE OF FILING

Comes the Martin County Water District, by counsel, and hereby gives Notice of Filing of the attached information packet for the Martin District Board meeting scheduled for March 26, 2024.




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

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 March, 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, March 26, 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
 - A. Ronnie Fletcher
- 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
Special Meeting of the Board of Directors
February 27, 2024, Meeting Minutes**

Presiding: James Kerr, Chairman
Present: Directors: BJ Slone, John Hensley, Greg Crum
Staff: Brian Cumbo (Attorney), Craig Miller (GM), Cassandra Moore
Guests: Ronnie Fletcher, Madison Mooney

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

Mr. Kerr called for review of the January 23, 2024, Special Board Meeting minutes.

- Mr. Hensley motioned to accept the January 23, 2024 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
- Mr. Slone motioned to approve the Treasurer's report submitted
- Mr. Crum seconded
- All ayes
- Motion carried
- Mr. Miller presented Other Financials
- Mr. Hensley 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. Crum seconded
- All ayes
- Motion carried

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

Mr. Kerr called for review of the Operations Report.

- Staff has been processing and organizing the LSL survey information that the District is required to have submitted to state primary agencies by October 16, 2024
- The reservoir level is the highest it's been in almost a year. All three screens are currently under water and the hope is to keep it full
- Staff is still leak detecting to find and fix leaks in the county

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

- Water loss was reported at **74.86%** for the month of January 2024

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

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

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

- Clarifier #3 is about eighty to ninety percent complete on the sand blasting, and then expecting the painters to come in. The drives have already been replaced for the rake and the mixer
- Clarifier #1 is still having issues. They are going to have to come back to Clarifier #1 when #3 is done
- No update on the cart for the RWI at the moment, it's still in the works
- The Collins Creek did bid out and parts and meters have been ordered, but not sure of the exact start date yet

Mr. Kerr inquired about the 5 year CIP

- Mr. Miller advised there is an update that has not been added. The county Judge asked if there was anything he could do to move along the Inez Water line replacement project that we have discussed many times in the pass. He requested that Mr. Miller put together a scope together to submit to Hal Rogers for year mark 2025. That scope project cost around 9.68 million dollars to replace all the old lines in Inez and would make 12" PVC through Inez and would improve the infrastructure of the oldest part of our system, help with water quality because we would be getting rid of the old asbestos lines in the system. It would be replacing the lines from 645 to 645 and all the way through town. We're losing around 7 million gallons a month in the Inez zone

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.

- Ronnie Fletcher is requesting his business to have a 5/8x3/4 meter instead of the standard 1" commercial meter staff and District normally require. Mr. Kerr advised Mr. Fletcher that he would have to look at our tariff and the rules and regulations and would get back to Mr. Fletcher with his findings. He would then discuss it with the Board and let Mr. Fletcher know the Board's decision. Mr. Fletcher said he was fine with that
- Madison Mooney asked if they were going to be replacing the sewer lines in the Inez Line Replacement at the same time as the water lines. Mr. Miller advised that at this time he would say no, only because that scope is specifically for water line replacement only

Mr. Kerr requested a motion to adjourn.

- Mr. Hensley motioned to adjourn the meeting at 6:19 p.m.
- Mr. Crum seconded
- All ayes
- Motion Carried

Minutes approved this _____ day of _____, 2024.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
February 29, 2024

2/29/24

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	15,011.76
Revenue Fund - EFT		4,055.59
Debt Service Surcharge Fund		1,000.11
Management Infrastructure Surcharge Fund		1,000.18
Security Deposits		107,284.04
Cash on Hand		900.00
Total Cash		129,251.68
Accounts Receivable		375,897.86
Allowance for Doubtful Accounts		(28,452.06)
Unbilled Accounts Receivable		46,933.00
Inventory		4,249.44
Prepaid Expenses		8,414.31
Total Current Assets		536,294.23

PROPERTY, PLANT, & EQUIPMENT

Land	214,713.83
Water Supply & Distribution System	28,451,346.09
Buildings	500,263.89
Equipment & Furniture	6,176,549.96
Vehicles	47,635.45
Construction Work in Progress	289,779.08
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(20,518.68)
Less: Accumulated Depreciation	(19,068,238.23)
Net Property, Plant, & Equipment	16,625,466.10

RESTRICTED CASH

Grant Fund	63.07
Sinking Fund - RD	8,095.67
Regions Sinking Fund	32,783.66
KIA Sinking Fund	13,185.69
KACO Sinking Fund	11,401.72
Depreciation Fund	1,022.52
Cost of Issuance Fund 2022	2,098.00
Accrued Interest Receivable	133.00
Total Restricted Cash	68,783.33

Total Assets **\$ 17,230,543.66**

Martin County Water District
Balance Sheet
February 29, 2024

2/29/24

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	311,653.27
Sales Tax Payable		2,861.97
School Tax Payable		7,443.13
Current Portion of Lease Liabilities		9,869.98
Long Term Debt-Current		71,324.40
Accrued Interest Payable		10,314.38
Customer Deposits		98,587.29
Total Current Liabilities		512,054.42

LONG-TERM DEBT

Lease Liability - Rent		14,369.15
Lease Payable - KACO		26,221.96
Bonds Payable - 2015 E Current Refunding		1,520,000.00
Bonds Premium - 2015 E, Net of A/Amort		15,726.75
Note Payable - KIA WMAF		1,323,623.15
Current Portion of Lease Liabilities		(9,869.98)
Less Current Portion of L-Term Debt		(71,324.40)
Other Inflow Resources - Pension		372,879.00
Total Long-Term Debt		3,191,625.63

Total Liabilities

3,703,680.05

DISTRICT'S EQUITY

Retained Earnings (Deficit)		13,665,438.86
YTD Net Income		(138,575.25)
Total District's Equity		13,526,863.61

Total Liabilities and District's Equity

\$ 17,230,543.66

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

February, 2024			YTD		Annual
Actual	Budget		Actual	Budget	Budget
		Operating Revenues			
\$ 196,130	\$ 175,833	Water Sales - Residential	\$ 368,248	\$ 351,666	\$ 2,110,000
39,963	29,167	Water Sales - Commercial	69,680	58,334	350,000
5,614	10,417	Water Sales - Public Authorities	11,530	20,830	125,000
30	33	Bulk Water Sales	134	70	400
1,000	2,215	Connection Fees - Tap	1,000	4,430	26,580
6,655	4,583	Late Charge Fees	13,407	9,166	55,000
2,477	1,955	Reconnect/Meter Sets/Other Fees	3,085	3,915	23,465
8,807	8,917	Debt Service Surcharge	17,555	17,834	107,000
15,806	15,673	Management Infrastructure Surcharge	31,506	31,351	188,081
276,483	248,793	Total Operating Revenues	516,144	497,596	2,985,526
		Operating Expenses			
11,603	2,500	Water Purchased	14,844	5,000	30,000
168,507	168,507	Management & Operations Contract	337,014	337,014	2,022,084
21,693	27,917	Utilities	44,424	55,834	335,000
2,132	2,500	Insurance	4,262	5,000	30,000
53,540	9,167	Repairs & Maintenance	96,475	18,330	110,000
-	83	Outside Services	37	170	1,000
200	833	Legal Expenses	825	1,670	10,000
-	-	Accounting/Audit	-	-	8,000
3,750	3,750	Bad Debts	7,500	7,500	45,000
450	-	Bond Trustee Fees	900	500	500
428	385	Dues	856	770	4,620
299	344	Office Expense	915	690	4,130
-	833	Rent Expense	-	1,666	10,000
171	125	KY 811 Services	269	250	1,500
-	55	Miscellaneous Expenses	1,930	110	660
28	5	Customer Deposit Interest Expense	35	11	65
262,799	217,004	Total Operating Expenses	510,287	434,515	2,612,559
13,683	31,789	Net Income B/4 Other Income (Expenses)	5,858	63,081	372,967
		Other Income (Expenses)			
760	-	Interest Income	850	-	-
(5,002)	(8,333)	Interest Expense	(14,159)	(16,666)	(100,000)
(726)	63	Amortization	(1,124)	126	753
(65,000)	(65,000)	Depreciation	(130,000)	(130,000)	(780,000)
(69,968)	(73,270)	Total Other Income (Expenses)	(144,433)	(146,540)	(879,247)
\$ (56,285)	\$ (41,481)	Net Income (Loss)	\$ (138,575)	\$ (83,459)	\$ (506,280)

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:	Feb-24	
Water Revenue		\$ 196,130.40
Water Revenue-Commercial		39,963.32
Water Revenue-Commercial Exempt		5,614.41
Late Charges		6,654.81
Sales Taxes		2,826.55
Debt Service Surcharge		8,806.98
School Tax		7,452.65
Management Infrastructure Surcharge		15,805.67
Returned Check		731.36
Interest on Customer Deposits		(27.60)
Connection Fees		1,000.00
Other Miscellaneous Fees		2,477.33
Deposits Applied		(1,170.00)
Refund Checks Paid		216.90
Total Billing Charges		\$ 286,482.78
		<hr/>
Gallons Billed		14,796,130
		<hr/>
Customers Billed		3,368
		<hr/>

Accounts Receivable	Feb-24	
Beginning Balance		330,567.06
Billing Charges		286,482.78
Bad Debt (Write Offs) Recoveries		858.14
Accounts Receivable Collections		(242,010.12)
End of Month Accounts Receivable		375,897.86

Operations Account		
Beginning Balance		\$ 46,044.20
Deposits		
Accounts Receivable Collections		242,010.12
Accounts Receivable Collections - Pmts in EFT Revenue Account		(123,794.81)
Sewer Billing Collections in Water Bank Acct - Due to MCS		62,091.10
Customer Deposits Received		1,170.00
Miscellaneous Income (Tokens)		30.00
Transfers from Other District Accts		120,000.00
Regions refund for excess funds		464.38
Total Deposits		301,970.79
Disbursements:		
Checks Written		(190,822.67)
Pmts made to Sanitation for A/R Collections		(30,507.38)
Transfers to Other District Accts		(80,628.76)
Auto Drafted Utilities		(22,589.97)
Sales and School Tax Payments		(8,454.45)
End of Month Balance		\$ 15,011.76

Cash Receipts Collected To Date in:	Mar-24	194,859.98
Bills Submitted for Payment in:	Mar-24	(324,315.93)
Available Balance	3A-4	(114,444.19)

Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
February 29, 2024

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 46,044.20	301,970.79	-	(333,003.23)	\$ 15,011.76
Revenue EFT Account	1,071.14	123,794.81	-	(120,810.36)	4,055.59
Debt Service Surcharge	(28,107.86)	41,014.44	0.11	(11,906.58)	1,000.11
Management Infrastructure Surcharge	1,000.13	21,364.32	0.18	(21,364.45)	1,000.18
Security Deposits	107,046.65	450.00	4.29	(216.90)	107,284.04
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	127,954.26	488,594.36	4.58	(487,301.52)	129,251.68
Restricted Cash					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	7,973.90	10,800.00	-	(10,678.23)	8,095.67
Regions Bank-KY 2015E Martin County	22,086.77	10,678.23	468.66	(450.00)	32,783.66
KIA Bond & Interest	7,385.52	5,800.00	0.17	-	13,185.69
KY Assoc of Counties Leasing Trust	10,350.99	1,200.00	0.17	(149.44)	11,401.72
Depreciation Reserve	1,022.50	-	0.02	-	1,022.52
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	206.60	-	83.69	(290.29)	(0.00)
Revenue Fund - 2022	-	290.29	174.09	(464.38)	-
Total Restricted Cash	51,187.35	28,768.52	726.80	(12,032.34)	68,650.33
Total Cash & Investments	\$ 179,141.61	517,362.88	731.38	(499,333.86)	\$ 197,902.01

**Martin County Water District
Billing Summary**

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

Martin County Water District, Inez KY
List of Bills for Consideration
26-Mar-24

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 18,866.36
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,631.43
3 Paintsville Utilities	Electric for token (1/05/24 to 2/06/24) Estimated	\$ 53.13
4 Martin County Public Library	Rent (Apr)	\$ 843.38
5 Martin County Water District	Sanitation (Feb)	\$ 141.67
6 Sales tax	2/2024 (estimated)	\$ 2,780.81
7 School tax	2/2024 (estimated)	\$ 7,456.32
8 Alliance Water Resources	3/1/24-3/15/24 O&M services	\$ 84,253.50
9 Alliance Water Resources	3/16/24-3/31/24 O&M services	\$ 84,253.50
10 Alliance Water Resources	Insurance Policy Installment (3/10)	\$ 2,120.60
11 Alliance Water Resources	2023 Year End Repair Limit Overage	\$ 49,545.00
12 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 6,354.16
13 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 18,226.43
14 Kentucky Underground	811 Services (Feb)	\$ 171.00
15 Brian Cumbo	Legal Fees	\$ 200.00
16 Estech Systems	Phone System (Feb)	\$ 219.54
17 NexBillPay	Fees (Feb)	\$ 77.00
18 Diesel Fuel Receipts	Diesel Fuel (Feb)	\$ 38,660.08
19 H&E Equipment Services	Pump Rental	\$ 739.50
20 Prestonsburg Utilities	Purchased Water	\$ 11,599.40
21 FPG	BM Chamber and Disc Assy	\$ 1,016.08
22 Consolidate Pipe & Supply	Parts	\$ 200.07
23 Mountain Water District	Purchased Water	\$ 3.44
25 Rain for Rent	Pump Rental	\$ 12,514.12
29 S4 Water Sales and Service, LLC	HydroACT-Amperometric Chlorine Analyzer	\$ 5,970.00
TOTAL		\$ 348,896.52

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	\$ 4,755.25
3 KRW/Regions Bank	Monthly funding for loan	\$ 10,800.00
TOTAL		\$ 21,355.25

TOTAL OPERATIONS

\$ 370,251.77

Security Deposit Account

Customer

1	Jason & Debra Pack	Deposit refund due to customer	\$	18.79
2	Andrea Cline	Deposit refund due to customer	\$	15.05
3	Floyd Cox	Deposit refund due to customer	\$	39.39
4	Bonnie Hensley	Deposit refund due to customer	\$	92.88
5	Joshua Mills	Deposit refund due to customer	\$	69.52
	TOTAL		\$	235.63

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

OUR
MISSION

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

Alliance Water Resources, Inc.

**206 S. Keene
St. Columbia,
MO 65201**

(573) 874-8080

February 2024

Administrative

Staff have been processing and organizing the LSL survey information that the District is required to have submitted to state primacy agencies by October 16, 2024. If you've not completed the survey yet, please visit the District's webpage (www.mcub.org) to complete the survey or contact the billing office during regular business hours so staff can update records.

Craig Miller's last day with Alliance Water Resources in Martin County will be March 28th.

Water Treatment

The reservoir is full and has maintained its level for almost a month. The District has plenty of supply for the water plant.

A new online chlorine analyzer was purchased for the plant lab. The old unit failed and had to be replaced for regulatory compliance.

A valve was replaced in the plant yard.

The sludge drawdown valve for Clarifier #2 has broken in the closed position. Staff has contacted a company to do an insertion valve to replace the broken valve.

Fabtech has completed the sandblasting of Clarifier #3. Currently painters are on site painting the metal and inside of the clarifier.

Operators have begun replacing ceiling tiles in the water plant in an effort to increase the water plants perception. Our intent is to make the water plant look as good as the high-quality water it produces.

Distribution:

Two new distribution utility workers will be starting on the 25th of March.

Staff installed new valves on the influent and effluent side of the Eden West PRV. This will allow us to control flow in the event of another large leak on the line that feeds the area.



Martin County Water District

Installed a valve on Marcus Wells tank to control flow feeding both sides of the hill. This will allow us to isolate certain areas without having to take the tank offline during potential repairs.

Performed maintenance on all vehicles including brakes on all trucks, new leaf springs on the F150, tires on the repair truck and welded a jack on the dump trailer.

Fully serviced the excavator including tracks, oil change, new hydraulic thumb, two new hydraulic hoses, 9 grease fittings, new teeth for the bucket.

Safety

The monthly safety meeting was held on February 27th and covered Bloodborne Pathogens, CPR, and Hazardous Driving. Key points of the training were the different types of pathogens from blood, and how they can be transmitted, who is certified to do CPR, and what to do in a road rage situation.

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	\$8,519,718	

Regulatory

The Martin County Water Treatment Plant performs operational water quality monitoring to ensure compliance with all state and federal safe drinking water act requirements, including chlorine, fluoride, iron, pH, manganese, solids, turbidity, and bacteriological analysis.

Water Plant Operation
February 2024

Water Pumped	
Total Water Production (gallons)	43,092,000
Total Water Metered/Billed (gallons)	11,527,000
Other Water Used (gallons)	208,000
Average Daily Flow (Million Gallons per Day)	1,485,931
Maximum Daily Flow (Million Gallons per Day)	1,627,000
Fluoride Used (lbs.)	391
Chlorine Used (lbs.)	891.5
Lab Tests	3,815

Water Quality Analysis
February 2024

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	3 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	29	0.80 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 32 Free- 32	Low Readings Total - 0.72 mg/L Free – 0.71 mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3318
Meter Sets	22
Turn offs-Close account	23
Taps	0
Meter Changes	37
Disconnects for Non-payment	54
Boil Notices	1
Line Locates	114
Water Leaks/Breaks	28
Other/Investigates	126



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

Water Main Breaks & Service Lines

Date	Location	Loss (Gallons)
3/5/24	302 Little lick	393,915
3/8/24	67 Mary Dr.	315,132
3/8/24	22 Preece Rd.	945,396
3/8/24	4022 Blacklog Rd.	630,264
3/11/24	72 South Wolf creek Rd.	433,306
3/12/24	290 Preece Rd.	1,418,094
3/16/24	4406 Blacklog Rd.	630,264
3/16/24	4162 Hode Rd.	3,308,885
3/19/24	18 Shadle fletcher Ln.	2,993,753
3/21/24	4162 Hode Rd.	1,654,442
3/21/24	27 Oliver Dr.	827,221



Martin County Water District

Repair Expenses Ending January 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$417	\$5,000	8%
Vehicle Maintenance	\$2,435	\$20,000	12%
Water Plant Maintenance	\$137	\$7,000	2%
Distribution System Maintenance	\$2,822	\$50,000	%
Water Meter Maintenance	\$833	\$10,000	8%
Street Maintenance	\$667	\$8,000	8%
Totals	\$5,395	\$100,000	5%

Chemical Expenses Ending January 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Bisulfite	\$454		
Sodium Hydroxide		\$11,000	0%
Polymer		\$15,000	0%
Alum (DELPAC)	\$2,198	\$30,000	7%
Chlorine	\$2,234	\$20,000	11%
Permanganate		\$19,000	%
Fluoride		\$7,000	%
Chemicals Other - Water		\$8,000	%
Totals	\$4,886	\$110,000	4%

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

Notes:

- 1) Building & Grounds Maintenance
 - a. \$0.00

- 2) Vehicle Maintenance
 - a. Oil Changers \$84.57
 - b. Advance Auto \$47.25
 - c. Advance Auto \$41.53

- 3) Water Plant Maintenance
 - a. Family Dollar \$37.10
 - b. Advance Auto \$76.30

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. \$0.00

- 6) Meter Maintenance
 - a. \$0.00

- 7) Sodium Bisulfite
 - a. CITCO Water \$226.94

- 8) Sodium Hydroxide
 - a. \$0.00

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

- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. \$0.00

- 12) Chlorine
 - a. CITCO Water \$2,230.03

- 13) Permanganate
 - a. \$0.00

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

14) Fluoride

a. Brenntag \$1,238.40

15) Chemicals Other – Water

a. CITGO Water \$1,779.31

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: February Year: 2024

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	43,092
3	Water Purchased	2,890
4	TOTAL PRODUCED AND PURCHASED	45,982
5		
6	WATER SALES	
7	Residential	11,114
8	Commercial	3,682
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	TOTAL WATER SALES	14,796
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	208
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	208
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	13,551
27	Line Leaks	17,427
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	30,978
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)	67.37%

MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
3/20/2024

repaired broken line between meter and home

BILLED GALLONS/COST	9,480	119.89
BILLED GALLONS/COST	3,590	58.10
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	6,480	12.96
LEAK GALLONS/PURCH COST	590	1.18
PAY (avg+leak cost)		64.87
WRITE OFF (billed-avg-purch cost)		60.03
LATE PENALTIES TO ADJ		5.81
SEWER	9,480	143.78
SEWER	3,590	56.55
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	6,480	95.97
LEAK SWR ADJ	590	8.74
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		104.71
SWR PENALTIES TO ADJ		5.66

176.21

repaired line after it froze and busted

BILLED GALLONS/COST	75,020	807.40
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	73,020	146.04
PAY (avg+leak cost)		187.46
WRITE OFF (billed-avg-purch cost)		619.94
LATE PENALTIES TO ADJ		80.74

700.68

repaired leaking toilet

BILLED GALLONS/COST	6,490	88.52
BILLED GALLONS/COST	5,310	49.05
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	4,490	8.98
LEAK GALLONS/PURCH COST	3,310	6.62
PAY (avg+leak cost)		98.44
WRITE OFF (billed-avg-purch cost)		39.13
LATE PENALTIES TO ADJ		7.61

46.74

repaired broken water line

BILLED GALLONS/COST	11,030	136.14
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	9,030	18.06
PAY (avg+leak cost)		59.48
WRITE OFF (billed-avg-purch cost)		76.66

LATE PENALTIES TO ADJ		0.00
SEWER	11,030	166.73
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	9,030	133.73
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		133.73
SWR PENALTIES TO ADJ		0.00

210.39

no fault to customer

BILLED GALLONS/COST	13,060	157.44
AVG GALLONS/BILL	3,000	51.59
LEAK GALLONS/PURCH COST	10,060	20.12
PAY (avg+leak cost)		71.71
WRITE OFF (billed-avg-purch cost)		85.73
LATE PENALTIES TO ADJ		0.00
SEWER	13,060	196.80
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	10,060	148.99
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		148.99
SWR PENALTIES TO ADJ		0.00

234.72

no fault to customer

BILLED GALLONS/COST	51,890	564.77
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	49,890	99.78
PAY (avg+leak cost)		141.20
WRITE OFF (billed-avg-purch cost)		579.83
LATE PENALTIES TO ADJ		56.48

636.31

repaired line

BILLED GALLONS/COST	66,200	714.88
BILLED GALLONS/COST	26,820	301.78
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	59,200	118.40
LEAK GALLONS/PURCH COST	19,820	39.64
PAY (avg+leak cost)		345.78
WRITE OFF (billed-avg-purch cost)		670.88
LATE PENALTIES TO ADJ		0.00

670.88

leak around toilet was repaired

BILLED GALLONS/COST	14,260	136.14
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	12,260	24.52
PAY (avg+leak cost)		65.94
WRITE OFF (billed-avg-purch cost)		70.20
LATE PENALTIES TO ADJ		0.00

SEWER	14,260	214.57
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	12,260	181.57
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		181.57
SWR PENALTIES TO ADJ		0.00

251.77

repaired broken line under home

BILLED GALLONS/COST	21,170	242.51
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	19,170	38.34
PAY (avg+leak cost)		79.76
WRITE OFF (billed-avg-purch cost)		162.75
LATE PENALTIES TO ADJ		0.00
SEWER	21,170	316.91
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	19,170	283.91
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		283.91
SWR PENALTIES TO ADJ		0.00

446.66

repaired broken line

BILLED GALLONS/COST	3,960	61.98
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	1,960	3.92
PAY (avg+leak cost)		45.34
WRITE OFF (billed-avg-purch cost)		16.64
LATE PENALTIES TO ADJ		0.00
SEWER	3,960	62.03
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	1,960	29.03
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		29.03
SWR PENALTIES TO ADJ		0.00

45.67

repaired broken line behind shower

BILLED GALLONS/COST	17,960	438.56
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	15,960	31.92
PAY (avg+leak cost)		73.34
WRITE OFF (billed-avg-purch cost)		365.22
LATE PENALTIES TO ADJ		0.00

365.22

no fault to customer

BILLED GALLONS/COST	19,650	226.57
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH COST	13,650	27.30

PAY (avg+leak cost)		110.68
WRITE OFF (billed-avg-purch cost)		143.19
LATE PENALTIES TO ADJ		0.00

143.19

no fault to customer

BILLED GALLONS/COST	13,690	164.05
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	11,690	23.38
PAY (avg+leak cost)		64.80
WRITE OFF (billed-avg-purch cost)		126.31
LATE PENALTIES TO ADJ		0.00

126.31

no fault to customer

BILLED GALLONS/COST	56,750	615.75
AVG GALLONS/BILL	12,000	146.32
LEAK GALLONS/PURCH COST	44,750	89.50
PAY (avg+leak cost)		177.79
WRITE OFF (billed-avg-purch cost)		469.43
LATE PENALTIES TO ADJ		0.00

469.43

no fault to customer

BILLED GALLONS/COST	14,760	175.27
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	11,760	23.52
PAY (avg+leak cost)		177.79
WRITE OFF (billed-avg-purch cost)		123.36
LATE PENALTIES TO ADJ		17.53

140.89

no fault to customer

BILLED GALLONS/COST	14,570	173.28
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	11,570	23.14
PAY (avg+leak cost)		177.79
WRITE OFF (billed-avg-purch cost)		121.37
LATE PENALTIES TO ADJ		16.99

138.36

no fault to customer

BILLED GALLONS/COST	18,960	219.33
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	14,960	29.92
PAY (avg+leak cost)		177.79
WRITE OFF (billed-avg-purch cost)		156.93
LATE PENALTIES TO ADJ		21.93

178.86

no fault to customer

BILLED GALLONS/COST	73,580	792.29
AVG GALLONS/BILL	2,000	41.42

LEAK GALLONS/PURCH COST	71,580	143.16
PAY (avg+leak cost)		177.79
WRITE OFF (billed-avg-purch cost)		750.87
LATE PENALTIES TO ADJ		79.23

871.52

no fault to customer

BILLED GALLONS/COST	65,870	711.42
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	63,870	127.74
PAY (avg+leak cost)		177.79
WRITE OFF (billed-avg-purch cost)		670.00
LATE PENALTIES TO ADJ		

711.42

replaced broken lines

BILLED GALLONS/COST	17,850	207.69
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	12,850	25.70
PAY (avg+leak cost)		98.59
WRITE OFF (billed-avg-purch cost)		109.10
LATE PENALTIES TO ADJ		20.77

129.87

no fault to customer

BILLED GALLONS/COST	7,250	96.49
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	5,250	10.50
PAY (avg+leak cost)		51.92
WRITE OFF (billed-avg-purch cost)		55.07
LATE PENALTIES TO ADJ		0.00

55.07

repaired line

BILLED GALLONS/COST	25,370	286.57
BILLED GALLONS/COST	12,950	156.29
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	18,370	36.74
LEAK GALLONS/PURCH COST	5,950	11.90
PAY (avg+leak cost)		236.38
WRITE OFF (billed-avg-purch cost)		206.48
LATE PENALTIES TO ADJ		0.00

206.48

no fault to customer

BILLED GALLONS/COST	62,250	702.73
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	60,250	120.50
PAY (avg+leak cost)		161.92
WRITE OFF (billed-avg-purch cost)		661.31
LATE PENALTIES TO ADJ		0.00

661.31

repaired lines to hot water heater

BILLED GALLONS/COST	18,730	216.92
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	13,730	27.46
PAY (avg+leak cost)		100.35
WRITE OFF (billed-avg-purch cost)		116.57
LATE PENALTIES TO ADJ		21.69

138.26

repaired broken line

BILLED GALLONS/COST	7,720	101.42
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	5,720	11.44
PAY (avg+leak cost)		52.86
WRITE OFF (billed-avg-purch cost)		48.56
LATE PENALTIES TO ADJ		0.00
SEWER	7,720	117.71
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	5,720	84.71
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		84.71
SWR PENALTIES TO ADJ		0.00

133.27

no fault to customer

BILLED GALLONS/COST	14,710	174.75
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	12,710	25.42
PAY (avg+leak cost)		66.84
WRITE OFF (billed-avg-purch cost)		133.33
LATE PENALTIES TO ADJ		0.00

133.33

no fault to customer

BILLED GALLONS/COST	35,870	396.72
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	31,870	63.74
PAY (avg+leak cost)		126.14
WRITE OFF (billed-avg-purch cost)		334.32
LATE PENALTIES TO ADJ		0.00

334.32

no fault to customer

BILLED GALLONS/COST	24,870	281.33
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	21,870	43.74
PAY (avg+leak cost)		95.65
WRITE OFF (billed-avg-purch cost)		229.42
LATE PENALTIES TO ADJ		0.00

229.42

repaired lines under home

BILLED GALLONS/COST	33,130	367.97
AVG GALLONS/BILL	14,000	167.30
LEAK GALLONS/PURCH COST	19,130	38.26
PAY (avg+leak cost)		205.56
WRITE OFF (billed-avg-purch cost)		162.41
LATE PENALTIES TO ADJ		0.00

162.41

no fault to customer

BILLED GALLONS/COST	27,790	311.96
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	25,790	51.58
PAY (avg+leak cost)		93.00
WRITE OFF (billed-avg-purch cost)		270.54
LATE PENALTIES TO ADJ		0.00

270.54

no fault to customer

BILLED GALLONS/COST	6,310	86.63
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	4,310	8.62
PAY (avg+leak cost)		50.04
WRITE OFF (billed-avg-purch cost)		45.21
LATE PENALTIES TO ADJ		5.40

50.61

no fault to customer

BILLED GALLONS/COST	40,020	440.25
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	37,020	74.04
PAY (avg+leak cost)		125.95
WRITE OFF (billed-avg-purch cost)		314.30
LATE PENALTIES TO ADJ		0.00
SEWER	40,020	596.08
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	37,020	548.27
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		548.27
SWR PENALTIES TO ADJ		0.00

862.57

no fault to customer

BILLED GALLONS/COST	23,670	268.74
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	16,670	33.34
PAY (avg+leak cost)		127.21
WRITE OFF (billed-avg-purch cost)		174.87
LATE PENALTIES TO ADJ		5.40

180.27

left water hose on

BILLED GALLONS/COST	5,030	73.20
---------------------	-------	-------

AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	3,030	6.06
PAY (avg+leak cost)		47.48
WRITE OFF (billed-avg-purch cost)		25.72
LATE PENALTIES TO ADJ		0.00
SEWER	5,030	77.87
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	3,030	44.87
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		44.87
SWR PENALTIES TO ADJ		0.00

70.59

replaced water hose spigot

BILLED GALLONS/COST	52,940	575.78
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	49,940	99.88
PAY (avg+leak cost)		151.79
WRITE OFF (billed-avg-purch cost)		423.99
LATE PENALTIES TO ADJ		0.00
SEWER	52,940	787.42
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	49,940	739.61
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		739.61
SWR PENALTIES TO ADJ		0.00

1,163.60

repaired lines going to hot water tank

BILLED GALLONS/COST	19,290	222.79
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	17,290	34.58
PAY (avg+leak cost)		76.00
WRITE OFF (billed-avg-purch cost)		146.79
LATE PENALTIES TO ADJ		0.00

146.79

repaired broken line under home

BILLED GALLONS/COST	9,590	121.04
BILLED GALLONS/COST	7,040	94.29
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH COST	6,590	13.18
LEAK GALLONS/PURCH COST	4,040	8.08
PAY (avg+leak cost)		65.09
WRITE OFF (billed-avg-purch cost)		90.25
LATE PENALTIES TO ADJ		21.53
SEWER	9,590	145.41
SEWER	7,040	107.64
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	6,590	97.60

LEAK SWR ADJ	4,040	59.83	
SWR PAY (AVG-LEAK)		95.62	
SWR WRITE OFF		157.43	
SWR PENALTIES TO ADJ		25.30	294.51

repaired lines to hot water heater and pop off valve

BILLED GALLONS/COST	14,210	169.50	
AVG GALLONS/BILL	6,000	83.38	
LEAK GALLONS/PURCH COST	8,210	16.42	
PAY (avg+leak cost)		99.80	
WRITE OFF (billed-avg-purch cost)		69.70	
LATE PENALTIES TO ADJ		0.00	69.70

no fault to customer

BILLED GALLONS/COST	39,380	433.54	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH COST	37,380	74.76	
PAY (avg+leak cost)		116.18	
WRITE OFF (billed-avg-purch cost)		392.12	
LATE PENALTIES TO ADJ		0.00	392.12

repaired broken line under home

BILLED GALLONS/COST	12,270	149.15	
BILLED GALLONS/COST	12,570	152.30	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH COST	10,270	20.54	
LEAK GALLONS/PURCH COST	10,570	21.14	
PAY (avg+leak cost)		124.52	
WRITE OFF (billed-avg-purch cost)		176.93	
LATE PENALTIES TO ADJ		0.00	176.93

repaired line under home

BILLED GALLONS/COST	12,300	149.47	
AVG GALLONS/BILL	5,000	72.89	
LEAK GALLONS/PURCH COST	7,300	14.60	
PAY (avg+leak cost)		87.49	
WRITE OFF (billed-avg-purch cost)		61.98	
LATE PENALTIES TO ADJ		0.00	61.98

repaired broken line

BILLED GALLONS/COST	16,360	192.06	
AVG GALLONS/BILL	5,000	72.89	
LEAK GALLONS/PURCH COST	11,360	22.72	
PAY (avg+leak cost)		95.61	
WRITE OFF (billed-avg-purch cost)		96.45	
LATE PENALTIES TO ADJ		0.00	96.45

no fault to customer

BILLED GALLONS/COST	29,560	330.52
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	22,560	45.12
PAY (avg+leak cost)		138.99
WRITE OFF (billed-avg-purch cost)		236.65
LATE PENALTIES TO ADJ		0.00

236.65

repaired broken line under front of house

BILLED GALLONS/COST	59,920	649.00
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	52,920	105.84
PAY (avg+leak cost)		199.71
WRITE OFF (billed-avg-purch cost)		449.29
LATE PENALTIES TO ADJ		0.00

449.29

repaired broken lines

BILLED GALLONS/COST	7,380	97.86
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	2,380	4.76
PAY (avg+leak cost)		77.65
WRITE OFF (billed-avg-purch cost)		20.21
LATE PENALTIES TO ADJ		0.00

20.21

repaired leak in basement

BILLED GALLONS/COST	15,250	180.41
BILLED GALLONS/COST	6,820	91.98
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	13,250	26.50
LEAK GALLONS/PURCH COST	4,820	9.64
PAY (avg+leak cost)		67.92
WRITE OFF (billed-avg-purch cost)		153.41
LATE PENALTIES TO ADJ		9.20
SEWER	15,250	229.23
SEWER	6,820	104.38
AVG SEWER/BILL	2,000	47.81
LEAK SWR ADJ	13,250	181.42
LEAK SWR ADJ	4,820	56.57
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		237.99
SWR PENALTIES TO ADJ		10.44

411.04

repaired broken lines under bathroom

BILLED GALLONS/COST	15,730	185.45
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	13,730	27.46
PAY (avg+leak cost)		68.88

WRITE OFF (billed-avg-purch cost)		116.57
LATE PENALTIES TO ADJ		0.00
SEWER	15,730	236.34
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	13,730	203.34
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		203.34
SWR PENALTIES TO ADJ		0.00

319.91

replaced broken elbow under home

BILLED GALLONS/COST	15,530	183.35
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	13,530	27.06
PAY (avg+leak cost)		68.48
WRITE OFF (billed-avg-purch cost)		114.87
LATE PENALTIES TO ADJ		0.00
SEWER	15,530	233.38
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	13,530	200.38
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		200.38
SWR PENALTIES TO ADJ		0.00

315.25

no fault to customer

BILLED GALLONS/COST	16,700	195.62
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	11,700	23.40
PAY (avg+leak cost)		96.29
WRITE OFF (billed-avg-purch cost)		122.73
LATE PENALTIES TO ADJ		0.00

122.73

no fault to customer

BILLED GALLONS/COST	14,700	174.64
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	12,700	25.40
PAY (avg+leak cost)		66.82
WRITE OFF (billed-avg-purch cost)		107.82
LATE PENALTIES TO ADJ		0.00
SEWER	14,700	221.09
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	12,700	188.09
SWR PAY (AVG-LEAK)		33.00
SWR WRITE OFF		188.09
SWR PENALTIES TO ADJ		0.00

295.91

repaired broken line

BILLED GALLONS/COST	113,000	1205.81
---------------------	---------	---------

BILLED GALLONS/COST	62,000	670.82
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH COST	107,000	214.00
LEAK GALLONS/PURCH COST	56,000	112.00
PAY (avg+leak cost)		492.76
WRITE OFF (billed-avg-purch cost)		1383.87
LATE PENALTIES TO ADJ		0.00

1,383.87

repaired broken line in side yard

BILLED GALLONS/COST	37,500	413.82
BILLED GALLONS/COST	16,000	188.28
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	30,500	61.00
LEAK GALLONS/PURCH COST	9,000	18.00
PAY (avg+leak cost)		266.74
WRITE OFF (billed-avg-purch cost)		335.36
LATE PENALTIES TO ADJ		18.83

354.19

pipes busted

BILLED GALLONS/COST	28,320	317.52
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH COST	22,320	44.64
PAY (avg+leak cost)		128.02
WRITE OFF (billed-avg-purch cost)		189.50
LATE PENALTIES TO ADJ		0.00

189.50

repaired leak under home

BILLED GALLONS/COST	34,660	384.02
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	32,660	65.32
PAY (avg+leak cost)		106.74
WRITE OFF (billed-avg-purch cost)		277.28
LATE PENALTIES TO ADJ		0.00

277.28

no fault to customer

BILLED GALLONS/COST	113,790	1214.10
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	106,790	213.58
PAY (avg+leak cost)		307.45
WRITE OFF (billed-avg-purch cost)		1120.23
LATE PENALTIES TO ADJ		0.00

1,120.23

repaired broken line in front yard

BILLED GALLONS/COST	108,550	1159.13
BILLED GALLONS/COST	27,160	305.35
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	101,550	203.10

LEAK GALLONS/PURCH COST	20,160	40.32
PAY (avg+leak cost)		431.16
WRITE OFF (billed-avg-purch cost)		1033.32
LATE PENALTIES TO ADJ		0.00

1,033.32

repaired leaking toilet

BILLED GALLONS/COST	6,460	88.21
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	4,460	8.92
PAY (avg+leak cost)		50.34
WRITE OFF (billed-avg-purch cost)		37.87
LATE PENALTIES TO ADJ		0.00

37.87

repaired line under home

BILLED GALLONS/COST	18,130	210.62
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH COST	14,130	28.26
PAY (avg+leak cost)		90.66
WRITE OFF (billed-avg-purch cost)		119.96
LATE PENALTIES TO ADJ		0.00

119.96

repaired valve on toilet

BILLED GALLONS/COST	18,440	209.99
BILLED GALLONS/COST	18,070	213.88
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH COST	11,440	22.88
LEAK GALLONS/PURCH COST	11,070	22.14
PAY (avg+leak cost)		232.76
WRITE OFF (billed-avg-purch cost)		191.11
LATE PENALTIES TO ADJ		42.39

233.50

repaired leak under home

BILLED GALLONS/COST	18,050	209.78
BILLED GALLONS/COST	7,220	96.18
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	13,050	26.10
LEAK GALLONS/PURCH COST	2,220	4.44
PAY (avg+leak cost)		176.32
WRITE OFF (billed-avg-purch cost)		129.64
LATE PENALTIES TO ADJ		42.39

172.03

repaired leak

BILLED GALLONS/COST	37,560	414.44
BILLED GALLONS/COST	23,280	264.65
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH COST	32,560	65.12
LEAK GALLONS/PURCH COST	18,280	36.56

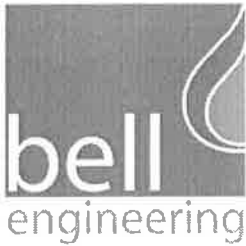
PAY (avg+leak cost)		247.46
WRITE OFF (billed-avg-purch cost)		431.63
LATE PENALTIES TO ADJ		41.44

473.07

repaired line under home

BILLED GALLONS/COST	32,780	364.30
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH COST	30,780	61.56
PAY (avg+leak cost)		102.98
WRITE OFF (billed-avg-purch cost)		261.32
LATE PENALTIES TO ADJ		0.00

261.32



MEETING AGENDA
PROGRESS MTG #53
MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY, KENTUCKY
March 12, 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 meeting last month-----
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 is running and producing water. Water produced by this unit continues to be tested on a routine basis to ensure proper water quality is being achieved.

34. Unit 3 remains shut as construction activity is now concentrated on this unit. All water is being produced by Units 1 and 2.
35. The sandblasting of Unit 3 took longer than the contractor anticipated. Sandblasting was completed late last week.
36. Beginning next week the final brush blast will be applied and priming of Basin 3 will begin. Bell Engineering will review the final sandblasting prior to the start of painting.
37. Revised WTP schedule:
 - Week of 3/18: McKinney to recoat/paint Unit 3 (est. to take 1-2 weeks)
FabTech to replace Flocculator and Scraper Drive Units
 - Week of 3/25: Pace to install Unit 3 Tube Settler Supports and Tube Settler Modules (should take one week to complete).
 - Week of 4/1: Complete Unit 3 Start-Up
38. When Badger was onsite, their truck backed over an electrical box in the yard and broke the lid. A new lid was ordered by the contractor and has been installed.
39. The executed change order for the new raw water trailer was received on February 29th. Bottoms Engineering has the trailer in the queue for shop drawing preparation. Pace is hopeful to receive the submittals during the week of March 18th. After shop drawing review is complete, it is anticipated the trailer fabrication will take 3-5 weeks.
40. Bell continues to reach out to multiple entities concerning a jib crane.

B. WARFIELD AREA LINE IMPROVEMENTS

1. Bell was able to locate several sets of As-Built Drawings of the water distribution system. Bell scanned copies of all plan sets and returned to MCWD with digital copies of plan sets for MCWD future use.
2. Bell and MCWD personnel have been in the field multiple times locating existing lines, surveying existing meters, valves and fire hydrants and determining routing of new water lines.
3. Location of features affecting alignment of the waterline have been completed.
4. The Phase I Environmental Site Assessment required by the Corps of Engineers was completed and submitted.
5. Plans and specifications have been developed.
6. Project mapping for NEPA purposes was submitted to AML on February 10, 2020.
7. Project description and Opinion of Probable Construction Costs were submitted to AML on February 17, 2020.
8. Project was submitted for DOW review on March 13, 2020. DOW Construction Permit was issued on April 27, 2020.
9. Project submitted to Corps of Engineers Plan and Specification Review March 20, 2020. Corps provided review comments on April 28, 2020. Bell responded to comments and resubmitted plans/specifications on May 7,

2020. The Corps of Engineers completed its review of the final plans / specifications including the opinion of probable cost and certified the package.
10. Project was submitted to KYTC on April 6, 2020 for review. KYTC Encroachment Permit was issued on May 13, 2020.
 11. Submitted to DOW for Permit to Construct Along or Across a Stream April 14, 2020. The permit was issued on June 17, 2020.
 12. The AML Authorization to Proceed was granted on July 31, 2020.
 13. The Corps of Engineers advertised the Draft Environmental Assessment (DEA) and Finding of No Significant Impact (FONSI) for the project on August 4, 2020 for the 30-day public comment period. KY SHPO requested further consultation. The FONSI was issued October 29, 2020.
 14. Project was sent out for bidding on November 11, 2020.
 15. A pre-bid meeting for interested contractors was held @ 11:00 a.m. on December 1, 2020.
 16. Bids for the project were originally received on December 15, 2020 at 11:00 a.m. Five bids were received.
 17. The project was rebid.
 18. Bids for the project rebid were opened on March 30 2021 at 11:00 a.m. at the office of the Big Sandy Area Development District. There were six plan holders for the rebid. Three bids were received (BP Pipeline, Buchannan Contracting, and Conkurs, LLC).
 19. The low bid was submitted by Conhurst with a base bid of \$910,810.00 and a total bid with alternate of \$1,744,066.00.
 20. \$1.5M in additional project funding through the Corps of Engineers is available for the project. Changes have been made to the plans in order to better align the proposed scope with available funds. The revised plans have been reviewed with representatives of Alliance.
 21. Locations of new valves in the Warfield area, a tie-in of the line along Firehouse Lane to Route 282, and valving in the Groundhog Lane area on both the sideline/ mainline have been added.
 22. Permission to bid the project has been received from the Corps of Engineers.
 23. 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). The base bid submitted by Boca Enterprises was in the amount of \$1,383,573.86 while the base bid submitted by B.P. Pipeline was \$1,567,638.00.
 25. The total project budget exceeded available funds and a portion of the waterline at the beginning of the project (mouth of Collins Creek) is being deleted to bring the project into budget.
 26. The project may then be formally awarded.
 27. Construction should begin during the month of April.

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 is currently working on the telemetry.

E. OTTO BROWN PUMP STATION AND LINE REPLACEMENT PROJECT

1. Project budget was revised and sent to AML on September 19, 2019.
2. The Memorandum of Agreement between AML and BSADD was signed by BSADD on September 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. Changes are being made from the review with Alliance and the project will be ready for final review with Alliance. Preparing to submit project to the Division of Water.

F. WATER LINE RELOCATION HUNTER'S LANE

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

G. KY 908 GUARDRAIL PROJECT

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

H. SESTER BRANCH UTILITY RELOCATION

1. Plans and specifications are 100% complete. Engineering contract has been approved by KYTC and forwarded to MCWD for signature. Project to be bid as soon as KYTC has all agreements in place. KYTC is still working on the agreements. Bidding should occur this spring.

I. REPLACE BRIDGE ON KY 40 OVER BUCK CREEK

1. Met with KYTC to review proposed work. Both Engineering and construction related costs will be paid by KYTC.
2. Received roadway plans from KYTC in January, 2024. Currently completing roadway alignment review and existing waterline conflicts.

J. HIGH SCHOOL PUMP STATION CHECK VALVE

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

K. FEMA BACKUP GENERATOR PROJECT

1. FEMA funded a project that includes the following:
 - One Generator to operate 750-HP VFD Controlled RWI Pump
 - Two Generators to operate 60-HP VFD Controlled Pumping Stations

2. The district received a letter in April from FEMA advising of award in the amount of \$1,140,300.
3. Project design is ongoing tracking toward a spring design completion.

L. KY 292 UTILITY RELOCATION

1. Representatives of KYTC, Alliance and Bell Engineering met onsite to discuss the project.
2. Bell has been onsite to survey the property.
3. Bell 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 will be bid in the spring.

M. SPICY MOUNTAIN WATER EXTENSION

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

N. TURKEY TANK REHABILITATION

1. Bell has finalized and forwarded an opinion of probable cost to rehabilitate the Turkey Tank. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.

O. INEZ UTILITY REPLACEMENT

1. Met to discuss options for replacing the utilities in Inez. Since the streets will be torn up to replace these utilities, we are attempting to incorporate some economic development components as the streets are built back. These could include wayfinding signs, trails, parks, pavilions and streetscape improvements. Bell has finalized a contract for preliminary work that will and forwarded it to the Martin County Water District for consideration. The district has forwarded it to the City of Inez and Martin County Fiscal Court for consideration.

P. 40E WATER IMPROVEMENT PROJECT

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

- Q. COLDWATER WATER IMPROVEMENT PROJECT**
1. Project would replace the existing waterline, service line and meters in the Coldwater area. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.
- R. OLD ROUTE 3 WATER IMPROVEMENT PROJECT**
1. Project would replace the existing waterline, service line and meters in the Old Route 3 area of the county. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.
- S. WATER IMPROVEMENT PROJECT BETWEEN WTP AND TURKEY TANK**
1. Project would replace the existing waterline, service line and meters between the WTP and the Turkey Tank. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.
- T. COUNTYWIDE METER REPLACEMENT PROJECT**
1. Project would replace all meters (residential and commercial) in the Martin County Water District system. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration. An updated project cost was prepared at the request of AML.
- U. PREPARE OPINION OF PROBABLE PROJECT COSTS FOR THE FOLLOWING PROJECTS**
- Inez Water Line and Valve Replacement. 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 Rehabilitation
- Kermit Water Line Connection

MARTIN COUNTY WATER DISTRICT 5 YEAR CAPITAL ITEMS

CAPITAL PROJECTS IN GRANT PROCESS	Pnum	PRIORITY	GRANT PORTAL YEAR	CONSTRUCTION YEAR	COST	FUNDING SOURCE	COMMENTS
RT 40E - WATER IMPROVEMENT PROJECT	WX21159019	1	2023		\$ 975,000	IN GRANT PORTAL	MOVING 50+ CUSTOMERS TO NEWER 10" LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING
TURKEY WATER LINE REPLACEMENT	WX21159026	2	2023		\$ 6,822,000	IN GRANT PORTAL	REPLACING LINE FROM THE WATER PLANT TO THE TURKEY TANK. THIS LINE HAS HAD MULTIPLE LEAKS OVER THE YEARS AND IS A CRITICAL POINT FOR A LARGE SERVICE AREA IN THE SYSTEM.
COLDWATER LINE REPLACEMENT	WX21159023	2	2023		\$ 8,419,000	IN GRANT PORTAL	UP TO 4 WATER LINES IN THE SAME AREA WITH MANY WEAK POINTS
WATER PLANT CLARIFIER III REHAB		1	2020	2023	\$ 250,000	AML	THIS PROJECT WILL BE COMPLETED AS PART OF A LARGER PROJECT CURRENTLY UNDERWAY. RAKE DRIVE BEARING IS OUT.
TURKEY STORAGE TANK REHAB	WX21159025	1	2023		\$ 681,000	IN GRANT PORTAL	TANK IS ONE OF THE OLDEST AND IN THE WORST CONDITION IN OUR SYSTEM
Project 113-19-03 Replace Existing Mainline, Water Meters, Service Line, Valves & Hydrants in the Warfield Area	WX21159006	3	2019		\$ 1,260,658	AML	EXISTING PROJECT BIDDING SOON
Projects 113-19-05 & 113-19-06 Rehabilitation of Otto Brown Booster Station, Line replacement to Middlefork Tank, Upgrade of Davella Booster Station		1	2019 Scope changed 2022		\$ 750,000		REPLACING FAILING UNDERGROUND BOOSTER STATION IN THE SYSTEM TO ASSIST IN PROVIDING WATER TO THE AIRPORT, PRISON AND DAVELLA REGION.
FEMA BACKUP GENERATOR PROJECT	WX21159015	1	2022		\$ 1,320,000	FEMA	WILL BE GENERATOR AT 40E AND 40W BOOSTER STATIONS AND THE RAW WATER INTAKE
METER REPLACEMENT PROJECT	WX21159013	1	2023		\$ 2,000,000	IN GRANT PORTAL	REDUCE WATER LOSS, EFFICIENCY IN OPERATIONS AND ELIMINATION OF HUMAN ERROR IN METER READING
HIGH SCHOOL PUMP STATION CHECK VALVE		1	2022		\$ 81,000.00		ENABLE THE DISTRICT TO USE THE HIGH SCHOOL TANK TO PROVIDE WATER TO OTHER AREAS OF THE SYSTEM BESIDES THE HIGHSCHOOL. THIS PROJECT WILL REQUIRE A PIT INSTALLED IN THE GROUND ALONG WITH THE CHECK VALVE.
OLD ROUTE 3 - WATER IMPROVEMENT PROJECT	WX21159024	1	2023		\$ 5,066,000.00	IN GRANT PORTAL - UNFUNDED	THIS PROJECT WILL REPLACE TRANSMISSION LINE, SERVICE LINE AND METERS ALONG OLD ROUTE 3. A LINE THAT TYPICALLY SEES A LOT OF LINE LEAKS. IT WILL INSTALL VALVES EVERY 500' FOR FUTURE LEAK DETECTION.
MARTIN COUNTY WATER DISTRICT - LEAD SERVICE LINE INVENTORY	WX21159018	3	2023		\$ 299,250.00	IN GRANT PORTAL - UNFUNDED	This project is for the Utility to conduct a Lead Service Line Inventory as required under 40 CFR 141.84. This project consists of a system wide Lead Service Line (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" DR11 HDPE Pipe, 3) Paving of the Access Road at the Raw Water Intake Site, 4) Replacement of Carbon Steel Tube Settle Supports with 304/304L Stainless Steel Supports, 5) 60-Foot and 20-Foot Sections of 10-inch DR11 HDPE 4710 Flanged Pipe, 6) A second Pump Trailer, 7) Various Unit Price Items, 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances
TOTAL					\$ 30,487,760		

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

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

MARTIN COUNTY WATER DISTRICT ANNUAL CAPITAL ITEMS

RECURRING PROJECTS	YEAR	COST	COMMENTS
10% METER REPLACEMENT	ANNUALLY	\$ 80,000.00	AS REQUIRED BY PSC
TANK INSPECTIONS/CLEANING	ANNUALLY	\$ 7,000.00	1 TANK PER YEAR SHOULD HAVE THEM INSPECTED EVERY 10 YEARS
VEHICLE REPLACEMENT	ANNUALLY	\$50,000.00	ROUTINE FLEET MAINTENANCE AND CHANGE OUT NOT EQUIPMENT EXPENSE

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