



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

October 26, 2022

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

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

To Whom It May Concern:

Enclosed please find Martin County Water District's Notice of Filing the information packet for the October 25, 2022 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/lid

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 monthly Board meeting scheduled for October 25, 2022.


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 26th day of October, 2022, to the following:

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

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


BRIAN CUMBO

Martin County Water District
387 E. Main St.

Phone (606) 298-3885 Inez, Kentucky 41224

Regular Meeting, Tuesday, October 25, 2022 – 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
- 8) Other Old Business
- 9) Other New Business
- 10) Consider Motion to Convene into Closed Executive Session
- 11) Consider Motion to Close Executive Session
- 12) Introduction of Guest-Five (5) Minute Maximum
- 13) Adjourn

Notice is hereby given that, subject to a motion duly made and adopted, the Board of Directors may hold an Executive Session subject to the laws of Kentucky.

**Martin County Water District
Regular Meeting of the Board of Directors
September 27, 2022, Meeting Minutes**

Presiding: James Kerr, Chairman
Present: Directors: John Hensley, Nina McCoy, Greg Crum
Staff: Brian Cumbo (Attorney), Craig Miller (GM), Jon Ridings, (LM),
Cassandra Moore
Guests: Ed Daniels

The Regular Meeting of the Martin County Water District was held on September 27, 2022, at the Martin County Government Center, at 42 East Main St (2nd Floor), Inez, Kentucky 41224. Mr. Kerr called the meeting to order at 6:00 p.m.

Mr. Kerr called for review of the August 23, 2022, Regular Board Meeting minutes. After further review and discussion, of the August 23, 2022 minutes, Mr. Hensley motioned to accept the August 23, 2022 minutes. Mrs. McCoy seconded. All ayes. Motion carried.

Mr. Kerr requested discussion on the review and consideration of the Financial Reports. Mr. Miller detailed each report as submitted. After further discussion, Mr. Crum motioned to approve the Treasurer's report submitted. Mr. Hensley seconded. All ayes. Motion carried. Other Financials were presented by Mr. Miller. After further discussion, Mr. Hensley motioned to approve, Mrs. McCoy seconded. All ayes. Motion carried.

Mr. Kerr called for review and consideration to Approve Bills. After review and no further discussion, Mr. Crum motioned to approve the list of bills as presented. 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. Tyler Hall has been promoted to Treatment Superintendent. He is over the Martin County WTP, Inez WWTP, Tug Valley WWTP, Crum Reservoir, and the river intake. The plant rehabilitation is nearing its end. A change order was made to replace the sludge sampling lines. Once these lines are replaced, the tube settler installation can be completed. Temporary power will be run to the sludge rake drive in clarifier 1 to test operation before the unit is brought online. The interior painting and touchups are complete. Conduit has been laid for the electrical hookup for a generator. Underdrains were welded into place and divider walls for the filters were installed. We have had zero traction with Xylem regarding our large pump and trailer. We are also still waiting on our small pump for which repairs have already been paid. A new PRV was installed for the Turkey Creek pressure zone. Staff received the results back from the inspection of the Turkey tank and the clear well located under the WTP. The inspection revealed that immediate attention is needed to the tank for numerous cracks. At this time, staff is waiting to hear back from a 3rd party about the process for repairing the issue.

Mr. Miller presented an update of the water loss report. Water loss was reported at **75.70%** for the month of July 2022.

Mr. Miller presented the Board with the 3rd quarter compliance report.

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

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

Mr. Kerr inquired if there was any Other New Business to discuss. Staff presented the Board with a memo requesting permission to remove Lee Mueller as an authorized signer for the Districts Bank Accounts and add Board Member Nina McCoy as an authorized signer to the Districts Bank Accounts. After further review and discussion, Mr. Crum motioned the removal of Lee Mueller as an authorized signer on all District Bank Accounts and the addition of Nina McCoy as an authorized signer on all District Bank Accounts. Mr. Hensley seconded. All ayes. Motion carried.

Executive session not required.

Mr. Kerr inquired if there were any other questions before motioning to adjourn. Ed Daniels asked if staff could not dig in the streets of Inez anymore when repairing leaks. Staff advised that they would try to do a better job on repairs and restoration. R&L Pavement has the list of blacktop repairs needed and would start on those as soon as they could, but staff does not have a committed timeline at the moment.

Having no further items for discussion, Mr. Kerr requested a motion to adjourn. Mr. Hensley motioned to adjourn the meeting. Mrs. McCoy seconded. All ayes. Motion carried. Meeting adjourned at 6:49 p.m.

Minutes approved this _____ day of _____, 2022.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
September 30, 2022

9/30/22

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	102,761.76
Revenue Fund - EFT		16,079.81
Debt Service Surcharge Fund		28,493.18
Management Infrastructure Surcharge Fund		1,000.63
Security Deposits		97,319.92
Cash on Hand		900.00

Total Cash		246,555.30
Accounts Receivable		350,131.53
Allowance for Doubtful Accounts		(71,962.36)
Unbilled Accounts Receivable		92,562.00
Inventory		5,557.34
Prepaid Expenses		14,834.17
Total Current Assets		637,677.98

PROPERTY, PLANT, & EQUIPMENT

Land		214,713.83
Water Supply & Distribution System		28,233,207.65
Buildings		500,263.89
Equipment & Furniture		6,382,256.38
Vehicles		138,773.45
Construction Work in Progress		140,222.57
Less: Accumulated Depreciation		(18,306,009.61)
Net Property, Plant, & Equipment		17,303,428.16

RESTRICTED CASH

Grant Fund		63.07
Sinking Fund - RD		13,026.88
Regions Sinking Fund		68,303.29
KIA Sinking Fund		13,209.61
KACO Sinking Fund		6,302.32
Depreciation Fund		1,022.18
Cost of Issuance Fund 2022		2,098.00
Certificate Fund - 2022 Debt Svc		54,374.31
Revenue Fund - 2022		3,358.46
Accrued Interest Receivable		215.00
Total Restricted Cash		161,973.12

OTHER ASSETS

Deferred Outflows of Resources Related to Pensions		134,959.00
Total Other Assets		134,959.00

Total Assets	\$	18,238,038.26
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Martin County Water District
Balance Sheet
September 30, 2022

9/30/22

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	64,717.25
Sales Tax Payable		1,923.84
School Tax Payable		6,765.80
Long Term Debt-Current		57,992.86
Accrued Interest Payable		19,052.74
Customer Deposits		90,459.07
Total Current Liabilities		240,911.56

LONG-TERM DEBT

Note Payable - KIA		298,245.81
Lease Payable - KACO		41,221.96
Bonds Payable - 2015 E Current Refunding		1,645,000.00
Bonds Premium - 2015 E, Net of A/Amort		16,795.71
Bonds Payable - 2022 B		1,110,000.00
Bonds Premium - 2022 B, Net of A/Amort		5,268.96
Less Current Portion of L-Term Debt		(57,992.86)
Net Pension Liability		1,080,845.00
Other Inflow Resources - Pension		480,553.00
Total Long-Term Debt		4,619,937.58

Total Liabilities

4,860,849.14

DISTRICT'S EQUITY

Retained Earnings (Deficit)		13,507,653.18
YTD Net Income		(130,464.06)
Total District's Equity		13,377,189.12

Total Liabilities and District's Equity

\$ 18,238,038.26

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

<u>September, 2022</u>			<u>YTD</u>		<u>Annual Budget</u>
<u>Actual</u>	<u>Budget</u>		<u>Actual</u>	<u>Budget</u>	<u>Budget</u>
		Operating Revenues			
\$ 186,023	\$ 168,104	Water Sales - Residential	\$ 1,584,950	\$ 1,512,936	\$ 2,017,245
31,961	26,329	Water Sales - Commercial	264,735	236,968	315,955
9,331	9,104	Water Sales - Public Authorities	88,323	81,936	109,247
-	4	Bulk Water Sales	30	36	50
3,000	2,201	Connection Fees - Tap	24,372	19,815	26,418
6,179	4,739	Late Charge Fees	53,748	42,657	56,874
2,639	3,053	Reconnect/Meter Sets/Other Fees	23,873	27,485	36,644
8,853	8,918	Debt Service Surcharge	79,388	80,262	107,015
15,932	16,078	Management Infrastructure Surcharge	142,510	144,702	192,936
-	-	Miscellaneous Income	136	-	-
263,917	238,530	Total Operating Revenues	2,262,064	2,146,797	2,862,384
		Operating Expenses			
-	21	Materials & Supplies	-	189	249
5,334	834	Water Purchased	64,229	7,498	10,000
168,507	168,507	Management & Operations Contract	1,516,563	1,516,563	2,022,084
40,220	26,666	Utilities	232,803	240,002	320,000
2,904	2,422	Insurance	26,136	21,804	29,070
1,000	834	Repairs & Maintenance	39,827	7,498	10,000
51	270	Outside Services	484	2,430	3,243
325	1,348	Legal Expenses	7,475	12,138	16,182
-	-	Accounting/Audit	7,950	7,500	7,500
4,583	4,583	Bad Debts	41,249	41,247	54,999
-	-	Bond Trustee Fees	450	675	675
656	277	Dues	2,469	2,499	3,330
81	278	Office Expense	1,585	2,510	3,344
796	-	Rent Expense	7,190	-	-
-	-	Taxes	-	7,553	7,553
-	807	Regulatory Assess Fees	-	7,271	9,692
-	2	Permits	-	18	23
159	-	KY 811 Services	1,067	-	-
120	225	Miscellaneous Expenses	513	2,033	2,708
2	-	Customer Deposit Interest Expense	41	-	-
224,737	207,074	Total Operating Expenses	1,950,030	1,879,428	2,500,652
39,180	31,456	Net Income B/4 Other Income (Expenses)	312,035	267,369	361,732
		Other Income (Expenses)			
-	-	Capital Contributions	261,659	-	-
264	-	Interest Income	863	-	-
(9,477)	(6,704)	Interest Expense	(74,934)	(60,344)	(80,458)
392	63	Amortization	2,335	567	753
(65,000)	(65,000)	Depreciation	(585,000)	(585,000)	(780,000)
-	-	Bond Issue Costs	(47,422)	-	-
(73,821)	(71,641)	Total Other Income (Expenses)	(442,499)	(644,777)	(859,705)
\$ (34,642)	\$ (40,185)	Net Income (Loss)	\$ (130,464)	\$ (377,408)	\$ (497,973)

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:	Sep-22	
Water Revenue		\$ 186,022.51
Water Revenue-Commercial		\$ 31,960.92
Water Revenue-Commercial Exempt		\$ 9,330.62
Late Charges		\$ 6,179.02
Sales Taxes		\$ 1,918.22
Debt Service Surcharge		\$ 8,853.45
School Tax		\$ 6,824.48
Management Infrastructure Surcharge		\$ 15,931.58
Returned Check		\$ 1,433.45
Interest on Customer Deposits		\$ (2.01)
Connection Fees		\$ 3,000.00
Other Miscellaneous Fees		\$ 2,639.08
Deposits Applied		\$ (1,620.00)
Refund Checks Paid		\$ 42.69
Total Billing Charges		\$ 272,514.01
		<hr/>
Gallons Billed		13,890,370
		<hr/>
Customers Billed		3,417
		<hr/>

Accounts Receivable	Sep-22	
Beginning Balance		334,989.81
Billing Charges		272,514.01
Bad Debt (Write Offs) Recoveries		-
Accounts Receivable Collections		(262,587.64)
End of Month Accounts Receivable		344,916.18
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Operations Account		
Beginning Balance		\$ 76,101.39
Deposits		
Accounts Receivable Collections		262,587.64
Accounts Receivable Collections - Pmts in EFT Revenue Account		(103,723.38)
Sewer Billing Collections in Water Bank Acct - Due to MCS		76,611.61
Customer Deposits Received		2,140.00
Transfers from Other District Accts		104,500.00
Total Deposits		342,115.87
Disbursements:		
Checks Written		(160,342.70)
Pmts made to Sanitation for A/R Collections		(64,579.43)
Transfers to Other District Accts		(45,862.32)
Auto Drafted Utilities		(30,868.71)
Sales and School Tax Payments		(7,937.46)
Returned Checks		(5,744.88)
Bank Fees		(120.00)
End of Month Balance		\$ 102,761.76
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Cash Receipts Collected To Date in:	Oct-22	233,330.09
Bills Submitted for Payment in:	Oct-22	(265,684.27)
Available Balance		70,407.58
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**Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
September 30, 2022**

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 76,101.39	342,115.87	-	(315,455.50)	\$ 102,761.76
Revenue EFT Account	17,541.35	103,723.38	-	(105,184.92)	16,079.81
Debt Service Surcharge	18,966.77	9,526.01	0.40		28,493.18
Management Infrastructure Surcharge	31,599.41	17,096.31	0.63	(47,695.72)	1,000.63
Security Deposits	95,918.61	1,440.00	4.00	(42.69)	97,319.92
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	241,027.53	473,901.57	5.03	(468,378.83)	246,555.30
Restricted Cash					
ARC Grant	63.07		-	-	63.07
Rockhouse Project	12,465.53	10,800.00	-	(10,238.65)	13,026.88
Regions Bank-KY 2015E Martin County	57,976.98	10,238.65	87.66	-	68,303.29
KIA Bond & Interest	13,080.53	5,800.00	0.17	(5,671.09)	13,209.61
KY Assoc of Counties Leasing Trust	5,332.97	1,200.00	0.10	(230.75)	6,302.32
Depreciation Reserve	1,022.16	-	0.02	-	1,022.18
Cost of Issuance Fund 2022	2,098.00		-	-	2,098.00
Certificate Fund - 2022 Debt Svc	54,280.53		93.78	-	54,374.31
Revenue Fund - 2022	3,352.67		5.79	-	3,358.46
Total Restricted Cash	149,672.44	28,038.65	187.52	(16,140.49)	161,758.12
Total Cash & Investments	\$ 390,699.97	501,940.22	192.55	(484,519.32)	\$ 408,313.42

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
Sep-22	232,922	1,964,786	13,890	3,417	262,588
Aug-22	217,328	1,731,864	12,413	3,402	263,138
Jul-22	226,961	1,514,536	13,381	3,410	254,075
Jun-22	219,810	1,287,575	12,580	3,409	255,445
May-22	227,120	1,067,765	13,264	3,408	228,491
Apr-22	217,383	840,645	12,472	3,400	326,456
Mar-22	217,996	623,262	12,399	3,384	235,719
Feb-22	199,134	405,267	12,437	3,429	229,472
Jan-22	206,132	206,132	13,531	3,495	214,062
Dec-21	182,101	2,047,534	10,570	3,506	243,688
Nov-21	209,735	2,075,167	14,015	3,530	226,606
Oct-21	163,832	1,865,433	8,488	3,543	255,238
Sep-21	239,376	1,701,601	17,268	3,562	232,135

Martin County Water District

Net Income on a Cash Basis (Snapshot) EXCLUDES DEPRECIATION (format Revised 28 July 20)

	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
REVENUE													
Customer Count	3,562	3,543	3,530	3,506	3,495	3,429	3,384	3,400	3,408	3,409	3,410	3,402	3,417
Payments Received	\$232,135	\$255,238	\$226,606	\$243,688	\$214,062	\$229,472	\$235,719	\$326,456	\$228,491	\$255,445	\$254,075	\$263,138	\$262,588
EXPENSES													
Operations Account	\$256,851	\$244,621	\$254,388	\$259,322	\$237,297	\$228,365	\$259,432	\$232,110	\$256,400	\$234,220	\$242,015	\$271,416	\$265,684
Transfers for debt serv funding	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800
Payment Plans	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DSS EXP/ (FUNDING)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MIS EXP / (FUNDING)													
Sub total	\$274,651	\$262,421	\$272,188	\$277,122	\$255,097	\$246,165	\$277,232	\$249,910	\$274,200	\$252,020	\$259,815	\$289,216	\$283,484
NET INCOME													
Cash Basis	-\$42,516	-\$7,183	-\$45,582	-\$33,434	-\$41,035	-\$16,693	-\$41,513	\$76,546	-\$45,709	\$3,425	-\$5,740	-\$26,078	-\$20,897

Notes:

- 1: **Payments Received** are those received for the full month
- 2: **Expenses** are those planned and presented in the Board Packet for the referenced month
- 3: **Payment Plans** are payments towards outstanding debt not funded by DSS
- 4: **Operations Account Includes** the estimated DSS and MIS transfers
- 5: **MIS EXP** estimated funds applied to AWR Invoice (An Operations Account Expense) estimated DSS and MIS transfers
- 6: \$10,000 payment made to Xylem from the Operations account not reported in the October 2021 column until the December 2021 financials.
- 7: \$10,000 payment made to Xylem from the Operations account in March 2022.
- 8: \$58,739 payment made to Xylem from the Operations account in May 2022.

Martin County Water District, Inez KY
List of Bills for Consideration
25-Oct-22

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 38,874.55
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 3,048.13
3 Paintsville Utilities	Electric for token (07/02/22 to 08/03/22) Estimated	\$ 31.22
4 Martin County Public Library	Rent (Nov)	\$ 796.12
5 Martin County Water District	Sanitation (Sept)	\$ 141.67
6 Sales tax	9/2022 (estimated)	\$ 1,675.88
7 School tax	9/2022 (estimated)	\$ 6,261.58
8 Alliance Water Resources	10/1/22-10/15/22 O&M services	\$ 84,253.50
9 Alliance Water Resources	10/16/22-10/30/22 O&M services	\$ 84,253.50
10 Alliance Water Resources	10/22 Suddenlink Reimbursement (estimated)	\$ 92.52
11 Alliance Water Resources	10/22 Suddenlink Reimbursement (estimated)	\$ 41.57
12 Alliance Water Resources	Insurance Policy Installment (10/10)	\$ 2,703.42
13 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 17,096.31
14 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 9,526.01
15 Walker Communications	Phone maintenance (Oct)	\$ 89.00
16 Brian Cumbo	Legal Fees	\$ 325.00
17 Prestonsburg City's Utilities	Purchased Water	\$ 5,334.05
18 Kentucky Underground	811 Services (Sept)	\$ 159.00
19 Consolidated Pipes	Meters	\$ 2,077.60
20 Immense Impact, LLC	Annual Website Subscription	\$ 429.00
21 Kentucky State Treasurer	PSC Water Training Seminar	\$ 225.00
22 People's Insurance	Public Entities Bond	\$ 4,175.64
23 Dotson's Contracting	Venters Branch Road Bore	\$ 5,775.00
TOTAL		\$ 267,385.27

Operations Account - Debt Service Funding

		Transfer Amounts
1 KIA	Monthly funding for KIA Bond/Loan	\$ 5,800.00
2 KACo	Monthly funding for lease payment	\$ 1,200.00
3 KRW/Regions Bank	Monthly funding for loan	\$ 10,800.00
TOTAL		\$ 17,800.00

TOTAL OPERATIONS

\$ 285,185.27

**Martin County Water District, Inez KY
List of Bills for Consideration
25-Oct-22**

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Security Deposit Account		
Customer		
1 Rebecca Bennett	Deposit refund due to customer	\$ 52.15
2 Rita Wright	Deposit refund due to customer	\$ 38.52
3 Ernest Jewell	Deposit refund due to customer	\$ 46.00
4 Ike Stepp	Deposit refund due to customer	\$ 47.38
5 Jessica Stanley	Deposit refund due to customer	\$ 23.36
6 Cameron Lindsay	Deposit refund due to customer	\$ 56.70
7 Deborah Austin	Deposit refund due to customer	\$ 53.80
TOTAL		\$ 317.91

**OUR
MISSION**

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

Alliance Water Resources, Inc.

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

(573)874-8080

SEPTEMBER 2022

Administrative

Staff has completed desk manuals for each position in the Districts billing office. These will provide the coaching and guidance that each employee needs to do their job. The manuals will be an important training aid that staff will edit and adjust as needed.

Water Treatment

An interior inspection of the underground clear well tank at the Inez WTP was completed by Complete Restoration, LLC. Significant cracks were found in the floor of the clearwell.

The plant rehabilitation is nearing completion. In Clarifier 1, tube settler installation will be completed once the basin sampling line installation is completed. Mud valves for the weirs and filter level indicator probe installation is 75% complete. The exterior stairs between Clarifier 1 & 2 have been installed, and the remaining portion of the concrete generator pad has been poured. The underdrains are ready for filter media installation.

There is a vacancy for WTP operators as the current plant supervisor will be retiring at the end of 2022.

Plant experienced a 1-hour power outage on September 21st.

The loaner intake pump and VFD continues to pump over 1.7 MGD to the Curtis Crum Reservoir. Leger Electric has installed a switchgear at the raw water intake but is still waiting on the VFD from Xylem for completion.

Coagulant pumps installed roughly 20 years ago replaced with LMI pumps.

We are currently looking to hire two water treatment plant operators.

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

Distribution:

An interior and exterior inspection of the Turkey storage tank was completed by Complete Restoration, LLC.

An additional VFD was programmed at the 40 East Booster station. The station now has redundancy with two functioning pumps and VFDs.

There were several major water main breaks including an 8" on Buck Creek, a 6" tee under Save-A-Lot's parking lot and a 4" main at Taylor's Court as well as 35 service leaks repaired.

Safety

The monthly safety meeting topic was Confined Space Awareness & Confined Space Entry Supervisor and was held on September 7th.

Training

Two distribution employees are signed up for a Water Distribution course through Sacramento State.

Tyler Hall passed his Distribution Class 1 Certification Exam.


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Martin County Water District

Customer Service:

The billing staff contacted numerous customers to inform them of possible leaks on their accounts. All customers were appreciative for the call and thank staff several times for having this service.

Project Updates

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

Regulatory

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



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Martin County Water District

Water Plant Operation

Water Pumped –SEPTEMBER	
Total Water Production (gallons)	49,668,000
Total Water Metered/Billed (gallons)	13,890,000
Other Water Used (gallons)	781,000
Total Water Loss (gallons)	
Portion of TWL due to Main Breaks (gallons)	36,340,000
Average Daily Flow (Million Gallons per Day)	1.656 MGD
Maximum Daily Flow	1.698 MGD
Fluoride Used (lbs.)	428 LBS
Chlorine Used (lbs.)	2084.9 LBS
Lab Tests	3,700

Water Quality Analysis

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	6 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	30	0.90 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total-35 Free-35	Low Readings Total - 0.33 mg/L Free – 0.23 mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3365
Meter Sets	47
Turn offs-Close account	39
Taps	2
Meter Changes	16
Disconnects for Non-payment	48
Boil Notices	2
Line Locates	106
Water Leaks/Breaks	32
Other/Investigates	149



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Martin County Water District

Water Main Breaks & Service Lines

Date	Location	Loss (MGD)
9/28/22	1014 W Main	0.158
9/12/22	Taylor's Court	0.193
9/20/22	3611 N Milo	0.63
9/20/22	4519 Hode	0.158
9/20/22	4319 Rockcastle	0.158
9/22/22	4252 Blacklog	0.473
9/20/22	87 E Main	2.836
9/28/22	County Garage	0.387
9/16/22	164 Preece	0.315
9/16/22	3523 Devella Rd	4.123
9/16/22	41 Shirley Moore Ln	2.521
9/16/22	Dye Bottom	2.521
9/16/22	158 Dan's Br	2.521
9/16/22	2875 Hode	2.521
9/16/22	231 Mudford	2.521
9/16/22	Big Branch	2.521
9/24/22	2596 Rockcastle	0.315
9/23/22	79 Hunt Pl	0.315
9/21/22	7288 Rockcastle Rd	0.827
9/5/22	252 Upper Alpha	0.472
9/6/22	103 Ratliff town	0.158
9/11/22	98 Fitch Br	1.733
9/10/22	Little Elk of Hode	0.315
9/1/22	9838 Meathouse	0.158
9/9/22	185 McGinnis	1.418
9/8/22	223 Ratliff town	1.261
9/14/22	15 Jacobs Ln	2.206
9/12/22	355 Hall Br	1.891
9/1/22	91 Spruce Pine	0.158


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Repair Expenses Ending August 2022

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$367	\$7,000	5%
Vehicle Maintenance	\$15,478	\$25,000	62%
Water Plant Maintenance	\$7,690	\$15,000	51%
Distribution System Maintenance	\$76,219	\$90,000	85%
Water Meter Maintenance	\$39,238	\$10,000	392%
Street Maintenance	\$0	\$8,000	0%
Totals	\$138,992	\$155,000	90%

Chemical Expenses Ending August 2022

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Hydroxide	\$13,738	\$11,000	125%
Lime/Caustic Soda	\$0	\$30,000	0%
Alum (Brennfloc)	\$35,640	\$15,000	238%
Chlorine	\$22,442	\$20,000	112%
Permanganate	\$5,550	\$19,000	29%
Fluoride	\$3,364	\$7,000	48%
Chemicals Other - Water	\$9,325	\$8,000	117%
Totals	\$90,058	\$110,000	82%

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Notes:

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

- 2) Vehicle Maintenance
 - a. Fast Change Lube and Oil \$202.03
 - b. Advanced Auto \$61.46
 - c. Advanced Auto \$25.49
 - d. Advanced Auto \$61.21
 - e. Fast Change Lube and Oil \$240.00
 - f. Advanced Auto \$237.43
 - g. O'Reilly Auto \$33.38
 - h. Advanced Auto \$4.61
 - i. Comdata \$1.95

- 3) Water Plant Maintenance
 - a. Evan's Hardware \$54.58

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. R&J Supply \$19.07
 - b. Citco \$1,710.58
 - c. Evan's Hardware \$163.07

- 6) Meter maintenance
 - a. \$0.00

- 7) Sodium Bisulfite
 - a. \$0.00

- 8) Sodium Hydroxide
 - a. \$0.00

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

- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. Brenntag Mid-South, Inc \$3,240.00
 - b. Brenntag Mid-South, Inc \$3,240.00

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- 12) Chlorine
 - a. \$0.00

- 13) Permanganate
 - a. Brenntag Mid-South, Inc \$649.25
 - b. Brenntag Mid-South, Inc \$649.25

- 14) Fluoride
 - a. \$0.00

- 15) Chemicals Other – Water
 - a. CITCO Water \$1,283.61

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: September Year: 2022

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	49,668
3	Water Purchased	1,343
4	TOTAL PRODUCED AND PURCHASED	51,011
5		
6	WATER SALES	
7	Residential	11,089
8	Commercial	2,801
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	TOTAL WATER SALES	13,890
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	781
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	-
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	781
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	8,120
27	Line Leaks	28,220
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	36,340
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)	71.24%

**MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
10/20/2022**

08-0088-00

Horn's BP
3047 Milo Rd
repaired toilet

WRITE-OFF DUE

BILLED GALLONS/COST	27,000	313.85		
BILLED GALLONS/COST	23,000	266.33		
AVG GALLONS/BILL	7,000	93.87		
LEAK GALLONS/PURCH COST	20,000	40.00		
LEAK GALLONS/PURCH COST	16,000	32.00		
PAY (avg+leak cost)		133.87		
PAY (avg+leak cost)		125.87		259.74
WRITE OFF (billed-avg-purch cost)		179.98		
WRITE OFF (billed-avg-purch cost)		140.46	320.44	
SCHOOL TAX		18.04		
ADJ SCHOOL TAX		7.79	10.25	7.79
LATE PENALTIES TO ADJ				
TOTAL			330.69	267.53

01-0128-00

Ian Bertling
230 Wickerfield
repaired leak in line

BILLED GALLONS/COST	24,000	313.85		
BILLED GALLONS/COST	8,000	266.33		
AVG GALLONS/BILL	4,000	93.87		
LEAK GALLONS/PURCH COST	20,000	40.00		
LEAK GALLONS/PURCH COST	4,000	8.00		235.74
PAY (avg+leak cost)		133.87		
PAY (avg+leak cost)		101.87	344.44	
WRITE OFF (billed-avg-purch cost)		179.98		
WRITE OFF (billed-avg-purch cost)		164.46	10.33	7.07
SCHOOL TAX		17.41		
ADJ SCHOOL TAX		7.07		
LATE PENALTIES TO ADJ		27.22	27.22	
SEWER	24,000	230.24	167.62	
SEWER	20,000	167.62	105.00	
SEWER ADJ	4,000	62.62		125.2
SWR PENALTIES TO ADJ		35.88	35.88	
TOTAL			690.49	368.05

05-0519-01

Tori O'connor

158 Hardinville Rd
 repaired water spigot

BILLED GALLONS/COST	8,000	104.78		
BILLED GALLONS/COST	5,000	74.25		
AVG GALLONS/BILL	3,000	51.91		
LEAK GALLONS/PURCH COST	5,000	10.00		
LEAK GALLONS/PURCH COST	2,000	4.00		
PAY (avg+leak cost)		61.91		
PAY (avg+leak cost)		55.91		117.82
WRITE OFF (billed-avg-purch cost)		42.87		
WRITE OFF (billed-avg-purch cost)		18.34	61.21	
SCHOOL TAX		5.37		
ADJ SCHOOL TAX		3.53	1.84	3.53
LATE PENALTIES TO ADJ				
SEWER	8,000	122.45	74.64	
SEWER	5,000	79.36	31.55	
SEWER ADJ	3,000	47.81		95.62
SWR PENALTIES TO ADJ		0.00		
TOTAL			169.24	216.97

03-0416-00
 Evan's Hardware
 32 Hardin Sq
 repaired water hose

BILLED GALLONS/COST	20,000	233.60		
BILLED GALLONS/COST	-	0.00		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	18,000	36.00		
LEAK GALLONS/PURCH COST	-	0.00		
PAY (avg+leak cost)		77.42		
PAY (avg+leak cost)		0.00		77.42
WRITE OFF (billed-avg-purch cost)		156.18		
WRITE OFF (billed-avg-purch cost)		0.00	156.18	
SCHOOL TAX		7.01		
ADJ SCHOOL TAX		2.32	4.69	2.32
LATE PENALTIES TO ADJ				
SEWER	20,000	304.32	271.32	
SEWER ADJ	2,000	33.00		33.00
SWR PENALTIES TO ADJ		0.00		
TOTAL			432.19	112.74

07-0124-01
 Billy Moore
 5201 Rockcastle Rd
 repaired service line

BILLED GALLONS/COST	73,000	795.65
BILLED GALLONS/COST	-	0.00

AVG GALLONS/BILL	5,000	72.89		
LEAK GALLONS/PURCH COST	68,000	136.00		
LEAK GALLONS/PURCH COST	-	0.00		
PAY (avg+leak cost)		208.89		
PAY (avg+leak cost)		0.00		208.89
WRITE OFF (billed-avg-purch cost)		586.76		
WRITE OFF (billed-avg-purch cost)		0.00	586.76	
SCHOOL TAX		23.87	17.60	
ADJ SCHOOL TAX		6.27		6.27
LATE PENALTIES TO ADJ				
TOTAL			604.36	215.16

02-0016-00

Virgie Jude

80 Lower Carter Br

repaired service line

BILLED GALLONS/COST	39,000	434.80		
BILLED GALLONS/COST	14,000	167.82		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	37,000	74.00		
LEAK GALLONS/PURCH COST	12,000	24.00		
PAY (avg+leak cost)		115.42		
PAY (avg+leak cost)		65.42		180.84
WRITE OFF (billed-avg-purch cost)		319.38		
WRITE OFF (billed-avg-purch cost)		102.40	421.78	
SCHOOL TAX		18.08		
ADJ SCHOOL TAX		5.43	12.65	5.43
LATE PENALTIES TO ADJ				
TOTAL			434.43	186.27

04-0197-00

Amy Begley

3888 Turkey Crk

replaced fitting at meter

BILLED GALLONS/COST	11,000	135.83		
BILLED GALLONS/COST	8,000	104.36		
AVG GALLONS/BILL	3,000	60.82		
LEAK GALLONS/PURCH COST	8,000	16.00		
LEAK GALLONS/PURCH COST	5,000	10.00		
PAY (avg+leak cost)		76.82		
PAY (avg+leak cost)		70.82		147.64
WRITE OFF (billed-avg-purch cost)		59.01		
WRITE OFF (billed-avg-purch cost)		33.54	92.55	
SCHOOL TAX		7.21		
ADJ SCHOOL TAX		4.43	2.78	4.43
LATE PENALTIES TO ADJ				
TOTAL			95.33	152.07

04-0035-00
 Homer Mills
 1924 Tug River Rd
 repaired water line

BILLED GALLONS/COST	21,000	246.81		
BILLED GALLONS/COST	12,000	150.73		
AVG GALLONS/BILL	6,000	83.38		
LEAK GALLONS/PURCH COST	15,000	30.00		
LEAK GALLONS/PURCH COST	6,000	12.00		
PAY (avg+leak cost)		113.38		
PAY (avg+leak cost)		95.38		208.76
WRITE OFF (billed-avg-purch cost)		133.43		
WRITE OFF (billed-avg-purch cost)		55.35	188.78	
SCHOOL TAX		11.93		
ADJ SCHOOL TAX		6.26	5.66	6.26
LATE PENALTIES TO ADJ				
TOTAL			194.44	215.02

04-0047
 Robert Horn
 66 Park Pl
 replaced setter

BILLED GALLONS/COST	8,000	104.36		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	6,000	12.00		
PAY (avg+leak cost)		53.42		50.94
WRITE OFF (billed-avg-purch cost)		50.94	50.94	
SCHOOL TAX		3.22		
ADJ SCHOOL TAX		1.24	1.98	1.24
LATE PENALTIES TO ADJ				
SEWER	8,000	125.60	92.60	
SEWER ADJ	2,000	33.00		33.00
SWR PENALTIES TO ADJ		0.00		
TOTAL			145.52	85.18

09-0049-00
 William Blake
 35 Hode Rd
 Pool fill up SEWER

SEWER	20,000	230.24		
SEWER ADJ	5,000	77.43	152.81	
PAY		77.43		77.43
TOTAL			152.81	77.43

01-0026-00
 Johnny McCoy

282 Wickerfield
 repaired water hose shut off

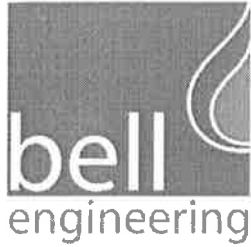
BILLED GALLONS/COST	14,000	198.77		
AVG GALLONS/BILL	8,000	104.36		
LEAK GALLONS/PURCH COST	6,000	12.00		
PAY (avg+leak cost)		116.36		106.41
WRITE OFF (billed-avg-purch cost)		82.41	82.41	
SCHOOL TAX		5.96		
ADJ SCHOOL TAX		3.19		3.19
SEWER	17,000	198.77	76.91	
SEWER ADJ	8,000	121.86		121.86
SWR PENALTIES TO ADJ		0.00		
TOTAL			159.32	231.46

14-0418-00
 Homer & Hope Fletcher
 9 N Wolf Crk
 replaced outside spigot

BILLED GALLONS/COST	17,000	170.55		
AVG GALLONS/BILL	4,000	62.40		
LEAK GALLONS/PURCH COST	13,000	26.00		
PAY (avg+leak cost)		88.40		134.15
WRITE OFF (billed-avg-purch cost)		82.15	82.15	
SCHOOL TAX		5.12		
ADJ SCHOOL TAX		4.02		4.02
LATE PENALTIES TO ADJ		17.06	17.06	
TOTAL			99.21	138.17

12-0042-00
 Patty Grace
 3935 Riverfront Rd
 replaced water line

BILLED GALLONS/COST	55,000	601.48		
BILLED GALLONS/COST	-	0.00		
AVG GALLONS/BILL	5,000	72.89		
LEAK GALLONS/PURCH COST	50,000	100.00		
LEAK GALLONS/PURCH COST	-	0.00		
PAY (avg+leak cost)		172.89		
PAY (avg+leak cost)		0.00		172.89
WRITE OFF (billed-avg-purch cost)		428.59		
WRITE OFF (billed-avg-purch cost)		0.00	428.59	
SCHOOL TAX		18.04		
ADJ SCHOOL TAX		5.19	12.86	5.19
LATE PENALTIES TO ADJ				
TOTAL			441.45	178.08



MEETING MINUTES
PROGRESS MTG #39
MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY, KENTUCKY
October 11, 2022

LOCATION: Via Teams
TIME: 3:30 PM
Present: Craig Miller, Jon Ridings, Lesli Stone Smith, Samantha Johnson, Jordan Montgomery, Nina McCoy, Eric Ratliff, Stephen Caudill

SUMMARY OF PROJECT FUNDING:

<u>Source</u>	<u>Amount</u>	<u>Associated Project(s)</u>
AMLER (2017)	\$3,450,000	A,B,C,D
COE 531 Partnership (25% Match)	\$1,869,718	B,C
ARC Grant	\$1,200,000	E
AMLER (2018)	<u>\$2,000,000</u>	G
TOTAL GRANT	\$8,519,718	

**A. CONTRACT 113-19-02
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. Defer 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. The contractor has performed the following major items of work since the quarterly meeting of September 13th:
 - Tied rebar.
 - Poured concrete for generator switchgear pad.
 - Painted trough.
 - Placed switchgear in the building at the raw water intake.
 - Installed handrail.
 - Pulled wire at intake.
 - Installed thermal overload for mixer.

- Wired valve actuator for unit 1.
 - Installed radar level transmitter on each side of Unit 1.
 - Landed wires for valve actuators in the vault.
 - Installed brackets for mud valves.
 - Installed operator stem.
 - Installed actuator for mud valve.
 - Worked on sludge sample ports.
 - Place gravel in filter of Unit 1.
31. A representative of the Corps of Engineers advised the latest reimbursement request had been sent to the Corp's finance department for payment on October 7th and that it could take up to 30 days for processing.

**B. CONTRACT 113-19-03
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. The combined base bid for the RWI/WTP Project and Water Line Replacement in the Beauty/Lovely Project exceeds the funds available for construction activities. Given the grave condition of the Raw Water Intake and Water Treatment Plant, the MCWD is deferring construction of the Water Line Replacement. The MCWD is seeking funding for this project by working with Congressman Rogers office on a potential federal earmark and by seeking a portion of the \$49.5 M from the state for underfunded projects.
21. A representative of the Corps of Engineers advised that additional project funding in the amount of \$1,500,000 is now available.

C. WATER SYSTEM CAPITAL IMPROVEMENT PLAN / 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.

D. CONTRACT 113-19-04

ARC WATERLINE REPLACEMENT 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 project is closed. We are maintaining it on the project list through the warranty period.
15. There is \$85,832 in unspent funds from this project. The District is looking to add 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. MCWD has executed the revised MOA and is awaiting the document to be executed and returned by the Department for Local Government.

E. USP BIG SANDY, EASTERN KENTUCKY BUSINESS PARK & BIG SANDY AIRPORT WATER 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 on September 27, 2022.
14. Bell has met with representatives of Alliance concerning the waterline replacement routing and has cut plan sheets for that project.

**F. CONTRACT 113-20-02
WATER LINE RELOCATION HUNTER'S LANE**

1. Met on-site with Bizzack Construction, Alliance Water Resources and representatives of other utilities on May 28, 2020.
2. A scope of work for the project is being developed.

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. HIGH SCHOOL PUMP STATION CHECK VALVE

1. Met With Alliance to discuss issues.
2. Preparing plans to add a valve vault and check value to give operations personnel more control over the direction of flow of water from the tank.
3. Project to move forward when funded.

I. FEMA BACKUP GENERATOR PROJECT

1. Seeking FEMA funding for 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. On April 25, 2022 Kentucky Emergency Management forwarded a request to the Disaster Implementation Branch, Mitigation Division requesting the project be funded. The total project budget is \$1,320,000 with the federal share being \$990,000 and Kentucky Emergency Management providing \$158,000. The remaining funds would be the responsibility of the Martin County Water District. Bell provided answers to additional questions posed by the funding agency for the project on August 4th. We are awaiting further information concerning the project.

J. 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.

K. 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 and forwarded to AML for funding consideration.

L. 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 be forwarded 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.

M. 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 and forwarded to AML for funding consideration.

N. 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 and forwarded to AML for funding consideration.

O. 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 and forwarded to AML for funding consideration.

P. 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 and forwarded to AML for funding consideration.

Q. 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 and forwarded to AML for funding consideration.

- R.** A meeting was held on July 27th between representatives of AML, Alliance and Bell to discuss numerous projects.

- S. Bell has reviewed the contract documents associated with the pump purchase. Alliance is preparing a timeline of all issues associated with the pumps.