



**BRIAN CUMBO**

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ADMITTED IN KY AND WV

January 22, 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 January 23, 2024 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

  
BRIAN CUMBO

BC/ld

Enclosure

cc: Martin County Water District  
Hon. Mary Varson Cromer

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2020-00154

**NOTICE OF FILING**

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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 January 23, 2024.



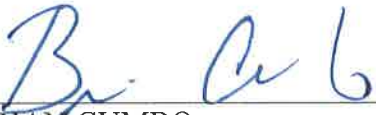
BRIAN CUMBO  
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WATER DISTRICT  
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**CERTIFICATE OF SERVICE**

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 22nd day of January, 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, January 23, 2024 – 6:00 p.m.**  
**Martin County Government Center (2<sup>nd</sup> Floor)**

- 1) Call the meeting to order
- 2) Review and Consideration to Approve Minutes
- 3) Review and Consideration of Financial Reports
  - A. Review and Consideration to Approve Treasurer's Report
  - B. Review and Consideration to Approve Other Financials
- 4) Review and Consideration to Approve Bills
- 5) Legal
  - A. Any Issues for Discussion with Board Attorney
- 6) Operations
  - A. Alliance Operations Report
  - B. Water Loss Report
  - C. Leak Adjustments
- 7) Capital Projects Report
  - A. Project Updates
  - B. 5 Year CIP
- 8) Other Old Business
- 9) Other New Business
- 10) Consider Motion to Convene into Closed Executive Session
- 11) Consider Motion to Close Executive Session
- 12) Introduction of Guest-Five (5) Minute Maximum
- 13) Adjourn

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

**Martin County Water District  
Special Meeting of the Board of Directors  
January 18, 2024, Meeting Minutes**

**Presiding:** James Kerr, Chairman  
**Present:** Directors: BJ Slone, Nina McCoy  
Staff: Craig Miller (GM), Cassandra Moore  
**Guests:**

The Special Meeting of the Martin County Water District was held on January 18, 2024, at the Alliance Water Resources Corporate Office, at 155 East Main St (Suite 1), Inez, Kentucky 41224. Mr. Kerr called the meeting to order at 12:45 p.m.

**Mr. Kerr called for review of the December 28, 2023, Special Board Meeting minutes.**

- Mr. Slone motioned to accept the December 28, 2023 minutes
- Mrs. McCoy seconded
- All ayes
- Motion carried

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

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

- Mr. Miller presented the Board with the KIA Water Management Assistance Fund Resolution. Mr. Miller explained that this was the KIA loan with 0% interest for 20 years. It will take the \$1 million loan from KRWA that we used to consolidate all the vendor debt and also the current KIA loan that the district already has for previous projects, combine those two loans and reduce the payment we pay already each month to the KIA. What we're going to see is a reduction in the payment were already making, 20-year loan, 0% interest, and in 2027 as long as we stay in PSC compliance and we maintain our regulatory compliance, and a couple other metric's that will be easy to do, they are going to give us a 50% forgiveness of the loan.

**Executive session not required.**

**Mr. Kerr requested a motion to adjourn.**

- Mr. Slone motioned to adjourn the meeting at 12:48 p.m.
- Mrs. McCoy seconded
- All ayes
- Motion Carried

Minutes approved this \_\_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
James Kerr, Chairman

\_\_\_\_\_  
Cassandra Moore, District Clerk

**Martin County Water District**  
**Balance Sheet**  
**December 31, 2023**

**12/31/23**

**ASSETS**

**CURRENT ASSETS**

Checking Account - Operations	\$	23,504.28
Revenue Fund - EFT		5,679.13
Debt Service Surcharge Fund		89,457.11
Management Infrastructure Surcharge Fund		1,000.10
Security Deposits		104,625.92
Cash on Hand		900.00
<b>Total Cash</b>		<b>225,166.54</b>
Accounts Receivable		338,357.08
Allowance for Doubtful Accounts		(52,330.85)
Unbilled Accounts Receivable		80,438.00
Inventory		2,948.14
Prepaid Expenses		5,611.34
<b>Total Current Assets</b>		<b>600,190.25</b>

**PROPERTY, PLANT, & EQUIPMENT**

Land	214,713.83
Water Supply & Distribution System	28,489,616.26
Buildings	500,263.89
Equipment & Furniture	6,362,125.35
Vehicles	69,420.45
Construction Work in Progress	289,779.08
Leased Assets	33,934.71
Less: Accumulated Amortization - ROU leased asset	(18,940.32)
Less: Accumulated Depreciation	(19,189,283.40)
<b>Net Property, Plant, &amp; Equipment</b>	<b>16,751,629.85</b>

**RESTRICTED CASH**

Grant Fund	63.07
Sinking Fund - RD	7,624.21
Regions Sinking Fund	106,398.31
KIA Sinking Fund	7,243.32
KACO Sinking Fund	9,307.79
Depreciation Fund	1,022.48
Cost of Issuance Fund 2022	2,098.00
Certificate Fund - 2022 Debt Svc	20,282.14
Revenue Fund - 2022	3,547.09
Accrued Interest Receivable	567.00
<b>Total Restricted Cash</b>	<b>158,153.41</b>

**Total Assets**

**\$ 17,509,973.51**

**Martin County Water District**  
**Balance Sheet**  
**December 31, 2023**

12/31/23

**LIABILITIES AND DISTRICT'S EQUITY**

**CURRENT LIABILITIES**

Accounts Payable	\$	251,883.79
Sales Tax Payable		2,826.68
School Tax Payable		6,544.80
Long Term Debt-Current		54,845.14
Accrued Interest Payable		44,570.67
Customer Deposits		99,127.29
<b>Total Current Liabilities</b>		<b>459,798.37</b>

**LONG-TERM DEBT**

Lease Liability - Rent		15,971.56
Note Payable - KIA		223,827.56
Lease Payable - KACO		26,221.96
Bonds Payable - 2015 E Current Refunding		1,585,000.00
Bonds Premium - 2015 E, Net of A/Amort		15,854.12
Bonds Payable - 2022 B		1,110,000.00
Bonds Premium - 2022 B, Net of A/Amort		329.34
Less Current Portion of L-Term Debt		(54,845.14)
Other Inflow Resources - Pension		372,879.00
<b>Total Long-Term Debt</b>		<b>3,295,238.40</b>

**Total Liabilities**

**3,755,036.77**

**DISTRICT'S EQUITY**

Retained Earnings (Deficit)		14,091,210.57
YTD Net Income		(336,273.83)
<b>Total District's Equity</b>		<b>13,754,936.74</b>

**Total Liabilities and District's Equity**

**\$ 17,509,973.51**



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

December, 2023			YTD		
Actual	Budget		Actual	Budget	Annual Budget
<b>Operating Revenues</b>					
\$ 168,973	\$ 175,837	Water Sales - Residential	\$ 2,125,936	\$ 2,110,000	\$ 2,110,000
34,287	29,163	Water Sales - Commercial	383,309	350,000	350,000
6,088	10,000	Water Sales - Public Authorities	132,655	120,000	120,000
27	5	Bulk Water Sales	437	50	50
2,000	2,439	Connection Fees - Tap	26,543	29,246	29,246
7,082	4,587	Late Charge Fees	72,576	55,000	55,000
659	2,651	Reconnect/Meter Sets/Other Fees	22,468	31,801	31,801
8,747	8,913	Debt Service Surcharge	104,847	107,000	107,000
15,699	15,841	Management Infrastructure Surcharge	188,176	190,070	190,070
610	-	Miscellaneous Income	2,291	-	-
<b>244,172</b>	<b>249,436</b>	<b>Total Operating Revenues</b>	<b>3,059,237</b>	<b>2,993,167</b>	<b>2,993,167</b>
<b>Operating Expenses</b>					
3,240	7,500	Water Purchased	27,634	90,000	90,000
168,507	168,507	Management & Operations Contract	2,022,084	2,022,084	2,022,084
20,846	27,913	Utilities	228,442	335,000	335,000
1,381	2,500	Insurance	21,603	30,000	30,000
78,635	5,000	Repairs & Maintenance	439,087	60,000	60,000
38	250	Outside Services	663	3,000	3,000
700	800	Legal Expenses	7,950	9,600	9,600
-	-	Accounting/Audit	7,985	8,000	8,000
4,167	4,163	Bad Debts	50,000	50,000	50,000
-	-	Bond Trustee Fees	900	500	500
423	265	Dues	4,734	3,235	3,235
513	224	Office Expense	4,452	2,732	2,732
-	837	Rent Expense	25	10,000	10,000
-	-	Regulatory Assess Fees	3,863	-	-
119	125	KY 811 Services	2,036	1,500	1,500
218	58	Miscellaneous Expenses	980	652	652
6	9	Customer Deposit Interest Expense	88	53	53
<b>278,793</b>	<b>218,151</b>	<b>Total Operating Expenses</b>	<b>2,822,526</b>	<b>2,626,356</b>	<b>2,626,356</b>
<b>(34,620)</b>	<b>31,285</b>	<b>Net Income B/4 Other Income (Expenses)</b>	<b>236,712</b>	<b>366,811</b>	<b>366,811</b>
<b>Other Income (Expenses)</b>					
-	-	Gain (Loss) on Sale of Assets	1,645	-	-
18,155	-	Capital Contributions	311,760	-	-
554	-	Interest Income	5,026	-	-
(8,847)	(8,337)	Interest Expense	(106,651)	(100,000)	(100,000)
(397)	62	Amortization	(4,765)	753	753
(65,000)	(65,000)	Depreciation	(780,000)	(780,000)	(780,000)
<b>(55,536)</b>	<b>(73,275)</b>	<b>Total Other Income (Expenses)</b>	<b>(572,985)</b>	<b>(879,247)</b>	<b>(879,247)</b>
<b>\$ (90,156)</b>	<b>\$ (41,990)</b>	<b>Net Income (Loss)</b>	<b>\$ (336,274)</b>	<b>\$ (512,436)</b>	<b>\$ (512,436)</b>

**Martin County Water District  
Inez, KY**

**Treasury Report**

<b>Billing Charges For the Month of:</b>	<b>Dec-23</b>	
Water Revenue		\$ 168,973.11
Water Revenue-Commercial		34,286.94
Water Revenue-Commercial Exempt		6,088.46
Late Charges		7,082.04
Sales Taxes		2,397.96
Debt Service Surcharge		8,747.27
School Tax		6,585.38
Management Infrastructure Surcharge		15,698.50
Returned Check		65.00
Interest on Customer Deposits		(6.25)
Connection Fees		2,000.00
Other Miscellaneous Fees		380.00
Deposits Applied		(990.00)
Refund Checks Paid		409.85
<b>Total Billing Charges</b>		<b>\$ 251,718.26</b>
		<hr/>
<b>Gallons Billed</b>		<b>12,671,720</b>
		<hr/>
<b>Customers Billed</b>		<b>3,382</b>
		<hr/>

<b>Accounts Receivable</b>	<b>Dec-23</b>	
Beginning Balance		361,897.61
Billing Charges		251,718.26
Bad Debt (Write Offs) Recoveries		(31,634.34)
Accounts Receivable Collections		(243,624.45)
<b>End of Month Accounts Receivable</b>		<b>338,357.08</b>

<b>Operations Account</b>		
Beginning Balance		\$ (36,346.20)
Deposits		
Accounts Receivable Collections		243,624.45
Accounts Receivable Collections - Pmts in EFT Revenue Account		(108,938.67)
Sewer Billing Collections in Water Bank Acct - Due to MCS		73,156.79
Customer Deposits Received		1,215.00
Big Sandy ADD Reimbursement		18,155.00
Miscellaneous Income (Scrap Metal, Tokens, TOW payment)		916.15
Transfers from Other District Accts		106,000.00
Total Deposits		<hr/> 334,128.72
Disbursements:		
Checks Written		(166,378.95)
Pmts made to Sanitation for A/R Collections		(50,082.91)
Transfers to Other District Accts		(28,462.09)
Auto Drafted Utilities		(20,666.90)
Sales and School Tax Payments		(8,687.39)
<b>End of Month Balance</b>		<b>\$ 23,504.28</b>
<hr/>		
Cash Receipts Collected To Date in:	<b>Jan-24</b>	195,577.43
Bills Submitted for Payment in:	<b>Jan-24</b>	(296,095.17)
<b>Available Balance</b>	<b>3A-4</b>	<hr/> <b>(77,013.46)</b>

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

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ (36,346.20)	334,128.72	-	(274,278.24)	\$ 23,504.28
Revenue EFT Account	2,878.46	108,938.67	-	(106,138.00)	5,679.13
Debt Service Surcharge	85,638.19	3,815.17	3.75	-	89,457.11
Management Infrastructure Surcharge	1,000.09	6,846.92	0.10	(6,847.01)	1,000.10
Security Deposits	104,784.59	246.71	4.47	(409.85)	104,625.92
Cash on Hand	900.00	-	-	-	900.00
<b>Total Unrestricted Cash</b>	<b>158,855.13</b>	<b>453,976.19</b>	<b>8.32</b>	<b>(387,673.10)</b>	<b>225,166.54</b>
<b>Restricted Cash</b>					
ARC Grant	63.07	-	-	-	63.07
Rockhouse Project	7,274.52	10,800.00	-	(10,450.31)	7,624.21
Regions Bank-KY 2015E Martin County	95,569.37	10,450.31	378.63	-	106,398.31
KIA Bond & Interest	7,101.97	5,800.00	0.07	(5,658.72)	7,243.32
KY Assoc of Counties Leasing Trust	8,264.85	1,200.00	0.15	(157.21)	9,307.79
Depreciation Reserve	1,022.46	-	0.02	-	1,022.48
Cost of Issuance Fund 2022	2,098.00	-	-	-	2,098.00
Certificate Fund - 2022 Debt Svc	20,195.84	-	86.30	-	20,282.14
Revenue Fund - 2022	3,532.00	-	15.09	-	3,547.09
<b>Total Restricted Cash</b>	<b>145,122.08</b>	<b>28,250.31</b>	<b>480.26</b>	<b>(16,266.24)</b>	<b>157,586.41</b>
<b>Total Cash &amp; Investments</b>	<b>\$ 303,977.21</b>	<b>482,226.50</b>	<b>488.58</b>	<b>(403,939.34)</b>	<b>\$ 382,752.95</b>

**Martin County Water District  
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
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
Jan-23	240,484	240,484	14,906	3,383	296,876
Dec-22	217,251	2,595,436	12,429	3,374	226,327

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

	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
	<b>Operations Account</b>		
1	AEP	Electric (26 bills) Estimated	\$ 18,009.74
2	Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,624.67
3	Paintsville Utilities	Electric for token (11/05/23 to 12/06/23) Estimated	\$ 56.37
4	Martin County Public Library	Rent (Feb)	\$ 843.38
5	Martin County Water District	Sanitation (Dec)	\$ 155.34
6	Sales tax	12/2023 (estimated)	\$ 2,173.92
7	School tax	12/2023 (estimated)	\$ 6,513.47
8	Alliance Water Resources	1/1/24-1/15/24 O&M services	\$ 84,253.50
9	Alliance Water Resources	1/16/24-1/31/24 O&M services	\$ 84,253.50
10	Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 8,653.07
11	Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 15,529.58
12	Kentucky Underground	811 Services (Dec)	\$ 118.50
13	Brian Cumbo	Legal Fees	\$ 700.00
14	Estech Systems	Phone System (Dec)	\$ 219.54
15	NexBillPay	Fees (Dec)	\$ 73.00
16	Diesel Fuel Receipts	Diesel Fuel (Dec)	\$ 38,364.44
17	H&E Equipment Services	Pump Rental	\$ 739.50
18	H&E Equipment Services	Pump Rental	\$ 739.50
19	Citco Water	14" Romac Clamp	\$ 3,733.21
20	Citco Water	16" Hymax	\$ 1,986.99
21	Consolidated Pipe	Parts	\$ 328.00
22	Consolidated Pipe	Parts	\$ 513.90
23	Consolidated Pipe	Parts	\$ 355.17
24	Consolidated Pipe	Service Charges	\$ 156.44
25	Consolidated Pipe	Service Charges	\$ 61.15
26	Consolidated Pipe	Parts	\$ 2,373.34
27	Consolidated Pipe	Parts	\$ 2,373.34
28	Consolidated Pipe	Parts	\$ 2,282.41
29	Consolidated Pipe	Parts	\$ 2,505.05
30	Prestonsburg Utilities	Purchased Water	\$ 3,240.20
31	JABO	Parts	\$ 2,360.00
32	JABO	Parts	\$ 3,766.71
33	Hostway	Domain Name Renewal Processing Fee	\$ 24.95

34	Hostway	Domain Name Renewal	\$	299.40
35	Rain for Rent	Pump Rental	\$	14,035.01
36	FPG	Parts	\$	229.25
37	Core & Main	3/4 CTS Comp CPLG	\$	117.55
38	Business Radio Licensing	FCC License Renewal	\$	725.00
39	Business Radio Licensing	FCC License Renewal	\$	335.00
40	Business Radio Licensing	FCC License Renewal	\$	200.00
41	Business Radio Licensing	FCC License Renewal	\$	335.00
42	Business Radio Licensing	FCC License Renewal	\$	335.00
43	Mountain Citizen	Advertisment	\$	301.66
44	Kentucky Rural Water Association	Annual Enrollment	\$	2,280.00
45	Kentucky Rural Water Association	Membership Dues	\$	1,900.00
46	Regions Corporate Trust	Revenue Bond Annual Fee	\$	450.00
	<b>TOTAL</b>		<b>\$</b>	<b>311,624.75</b>

### 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
	<b>TOTAL</b>		<b>\$</b>	<b>17,800.00</b>

### TOTAL OPERATIONS

**\$ 329,424.75**

### Security Deposit Account

#### Customer

1	Janice Maynard	Deposit refund due to customer	\$	31.30
2	Michael Fraker	Deposit refund due to customer	\$	94.02
3	Mary Hillsberg	Deposit refund due to customer	\$	70.50
4	Roni Middlebrook	Deposit refund due to customer	\$	21.71
5	Roni Middlebrook	Deposit refund due to customer	\$	21.71
6	Robert Maynard	Deposit refund due to customer	\$	45.03
	<b>TOTAL</b>		<b>\$</b>	<b>284.27</b>

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: December Year: 2023

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	45,209
3	Water Purchased	826
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>46,035</b>
5		
6	<b>WATER SALES</b>	
7	Residential	9,637
8	Commercial	3,035
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>12,672</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	272
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	
21	Other Usage (explain)	
22	<b>TOTAL OTHER WATER USED</b>	<b>272</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	33,091
27	Line Leaks	
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>33,091</b>
32		
33	<b>Note:</b> Line 14 + Line 22 + Line 31 <b>MUST</b> Equal Line 4	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	71.88%

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility: Martin County Water District

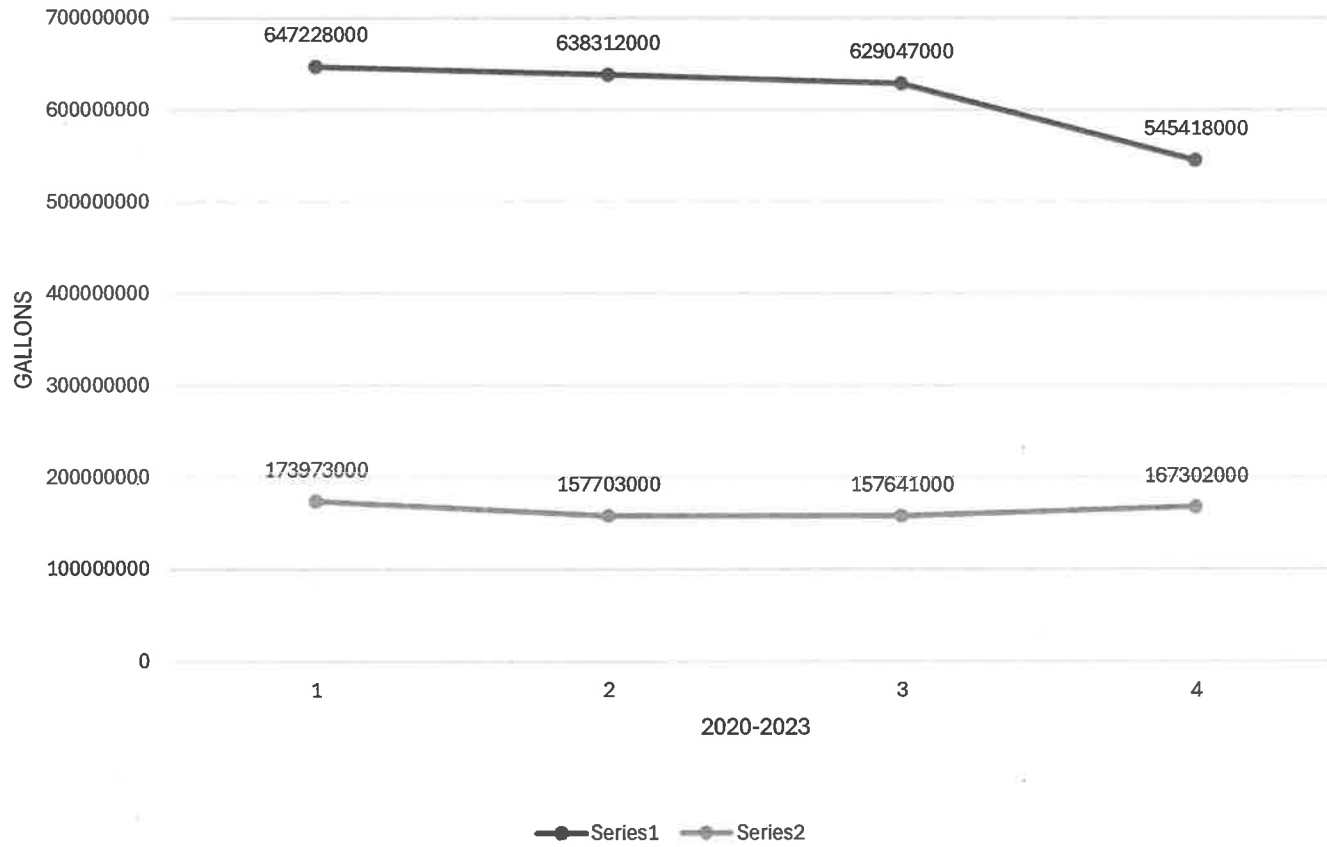
For the Month of: Annual Year: 2023

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	538,477
3	Water Purchased	6,941
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>545,418</b>
5		
6	<b>WATER SALES</b>	
7	Residential	117,360
8	Commercial	37,101
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	12,841
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>167,302</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	5,678
18	Wastewater Plant	
19	System Flushing	113
20	Fire Department	96
21	Other Usage (explain)	
22	<b>TOTAL OTHER WATER USED</b>	<b>5,887</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	141,374
27	Line Leaks	230,855
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>372,229</b>
32		
33	<b>Note:</b> Line 14 + Line 22 + Line 31 <b>MUST</b> Equal Line 4	
34		
35	<b>WATER LOSS PERCENTAGE</b>	
36	(Line 31 divided by Line 4)	68.25%



2020				2021				2022				2023			
MONTH	PCT	PROD	SOLD	MONTH	PCT	PROD	SOLD	MONTH	PCT	PROD	SOLD	MONTH	PCT	PROD	SOLD
Jan	72.31%	56,546,000	14,830,000	Jan	77.91%	59,453,000	12,255,000	Jan	73.96%	55,736,000	13,531,000	Jan	68.54%	49,870,000	14,906,000
Feb	73.06%	50,284,000	12,846,000	Feb	72.70%	49,582,000	12,790,000	Feb	73.38%	50,301,000	12,437,000	Feb	67.75%	40,811,000	12,515,000
Mar	76.94%	53,702,000	11,651,000	Mar	77.33%	55,257,000	11,678,000	Mar	75.34%	54,170,000	12,399,000	Mar	78.49%	50,762,000	10,040,000
Apr	74.19%	52,441,000	12,727,000	Apr	72.51%	50,859,000	13,070,000	Apr	70.60%	50,441,000	13,922,000	Apr	62.98%	46,018,000	16,586,000
May	70.09%	54,077,000	15,431,000	May	70.78%	52,395,000	14,355,000	May	64.79%	51,788,000	17,117,000	May	67.87%	47,131,000	14,714,000
Jun	73.56%	52,524,000	13,154,000	Jun	65.90%	50,619,000	16,136,000	Jun	70.73%	50,170,000	13,638,000	Jun	62.13%	41,875,000	15,401,000
Jul	62.62%	54,433,000	19,448,000	Jul	71.05%	52,152,000	13,937,000	Jul	71.93%	50,568,000	13,381,000	Jul	68.76%	48,378,000	14,697,000
Aug	71.16%	55,159,000	15,005,000	Aug	73.48%	54,175,000	13,141,000	Aug	75.70%	54,843,000	12,413,000	Aug	64.18%	45,499,000	15,866,000
Sep	73.18%	53,436,000	13,425,000	Sep	64.64%	51,326,000	17,268,000	Sep	71.24%	51,011,000	13,890,000	Sep	64.93%	42,694,000	14,662,000
Oct	70.47%	55,673,000	15,610,000	Oct	83.23%	54,261,000	8,488,000	Oct	77.89%	50,976,000	10,420,000	Oct	69.68%	43,594,000	12,887,000
Nov	66.90%	53,448,000	16,818,000	Nov	71.67%	52,900,000	14,015,000	Nov	72.76%	49,287,000	12,064,000	Nov	69.98%	42,751,000	12,356,000
Dec	74.75%	55,505,000	13,028,000	Dec	79.48%	55,333,000	10,570,000	Dec	79.20%	59,756,000	12,429,000	Dec	71.88%	46,035,000	12,672,000
ANNUAL	71.58%	647,228,000	173,973,000	ANNUAL	73.55%	638,312,000	157,703,000	ANNUAL	73.32%	629,047,000	157,641,000	ANNUAL	68.25%	545,418,000	167,302,000

### 4 Year Production and Consumption



**MARTIN COUNTY WATER & SANITATION DISTRICT  
LEAK ADJUSTMENT REQUESTS  
1/17/2024**

repaired toilet seal

BILLED GALLON	8,530	109.92	
AVG GALLONS/E	2,000	41.42	
LEAK GALLONS/	6,530	13.06	
<b>PAY (avg+leak cost)</b>		54.48	
<b>WRITE OFF (billed-avg-purch</b>		55.44	
LATE PENALTIES TO ADJ		0.00	
SEWER	8,530	129.71	
AVG SEWER/BILL	2,000	33.00	
LEAK SWR ADJ	6,530	96.71	
SWR PAY (AVG-LEAK)		33.00	
SWR WRITE OFF		96.71	
SWR PENALTIES TO ADJ		0.00	<b>152.15</b>

repaired broken line under building, carried over

BILLED GALLON	303,590	3205.10	
BILLED GALLON	9,280	117.79	
AVG GALLONS/E	2,000	41.42	
LEAK GALLONS/	301,590	603.18	
LEAK GALLONS/	7,280	14.56	
<b>PAY (avg+leak cost)</b>		700.58	
<b>WRITE OFF (billed-avg-purch</b>		2622.31	
LATE PENALTIES TO ADJ		0.00	<b>2,622.31</b>

repaired toilet seal

BILLED GALLON	25,330	286.15	
AVG GALLONS/E	5,000	72.89	
LEAK GALLONS/	20,330	40.66	
<b>PAY (avg+leak cost)</b>		113.55	
<b>WRITE OFF (billed-avg-purch</b>		172.60	
LATE PENALTIES TO ADJ		24.44	
SEWER	25,330	378.52	
AVG SEWER/BILL	5,000	77.43	
LEAK SWR ADJ	20,330	301.09	
SWR PAY (AVG-LEAK)		77.43	
SWR WRITE OFF		301.09	
SWR PENALTIES TO ADJ		32.33	<b>530.46</b>

repaired leak near meter

BILLED GALLON	21,960	250.80	
AVG GALLONS/E	3,000	51.91	
LEAK GALLONS/	18,960	37.92	

<b>PAY (avg+leak cost)</b>		89.83
<b>WRITE OFF (billed-avg-purch</b>		160.97
LATE PENALTIES TO ADJ		0.00
SEWER	21,960	328.61
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	18,960	280.80
SWR PAY (AVG-LEAK)		47.81
SWR WRITE OFF		280.80
SWR PENALTIES TO ADJ		0.00

**441.77**

repaired broken valve on toilet

BILLED GALLON	18,740	217.02
BILLED GALLON	13,470	161.74
AVG GALLONS/E	4,000	62.40
LEAK GALLONS/	14,740	29.48
LEAK GALLONS/	9,470	18.94
<b>PAY (avg+leak cost)</b>		173.22
<b>WRITE OFF (billed-avg-purch</b>		205.54
LATE PENALTIES TO ADJ		21.70

**227.24**

repaired line by old meter box

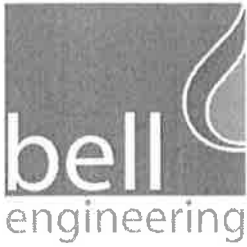
BILLED GALLON	10,870	134.47
BILLED GALLON	6,560	89.25
AVG GALLONS/E	4,000	62.40
LEAK GALLONS/	6,870	13.74
LEAK GALLONS/	2,560	5.12
<b>PAY (avg+leak cost)</b>		143.66
<b>WRITE OFF (billed-avg-purch</b>		80.06
LATE PENALTIES TO ADJ		13.45

**93.51**

repaired toilet seal

BILLED GALLON	55,280	600.33
AVG GALLONS/E	7,000	107.05
LEAK GALLONS/	48,280	96.56
<b>PAY (avg+leak cost)</b>		203.61
<b>WRITE OFF (billed-avg-purch</b>		396.72
LATE PENALTIES TO ADJ		60.03

**456.75**



MEETING AGENDA  
PROGRESS MTG #51  
**MARTIN COUNTY WATER DISTRICT**  
**MARTIN COUNTY, KENTUCKY**  
**January 9, 2024**

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

**SUMMARY OF PROJECT FUNDING:**

<u>Source</u>	<u>Amount</u>	<u>Associated Project(s)</u>
AMLER (2017)	\$3,450,000	A,B,C
COE 531 Partnership (25% Match)	\$1,869,718	B,C
ARC Grant	\$1,200,000	D
AMLER (2018)	\$2,000,000	E
FEMA/STATE	\$1,201,000	K
COE 531 Partnership	<u>\$1,500,000</u>	B
<b>TOTAL GRANT</b>	<b>\$11,220,718</b>	

**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)
<b>TOTAL AWARD AMOUNT</b>		<b>\$ 3,473,426.00</b>

23. A letter awarding the project to Pace under the conditions outlined in Table 1 and subject to concurrence of all the state and federal agencies was sent to Pace on July 9, 2021.
24. Authorization to Proceed was received from AML on September 1, 2021. The USACE had previously granted approval.
25. Executed contract books and bonds were received from Pace on September 8, 2021.
26. A preconstruction meeting was held on September 22, 2021 at the offices of the Big Sandy Area Development District.
27. Contract books were signed and dated by the Big Sandy Area Development District at the preconstruction meeting.
28. A Notice to Proceed (NTP) was issued at the preconstruction meeting. The contract required the contractor be given ten days from the issuance of the NTP before the contract time started.
29. The Contract time began on October 4, 2021.
30. Generator start-up and training have been performed.
31. Programming of Treatment Unit 1 has been performed.
32. Pace, Alliance and Bell are now meeting weekly in an effort to get the project wrapped up as soon as possible.
33. Unit 1 leaks have been rectified with the exception of the 10" drain valve associated with Unit 1, Filter 2.
34. Personnel met Rawdon Meyers on Thursday, January 24<sup>th</sup> to inspect this valve. It was determined that the seal was bad and that the entire valve would need to be replaced.

35. DeZurik (valve manufacturer) is expediting the 10" replacement valve. The anticipated lead was listed as 1-2 weeks, but they will do their best to ship out this week if possible.
36. Once the valve is delivered, Pace will return to the site and replace the existing valve to eliminate the leak. This will likely after Unit 2 is started back up and before Unit 3 has been shut down.
37. Pace, Alliance and Bell spoke on 1/8 and decided to proceed with Unit 1 start-up in the interest of the overall project schedule. Alliance will finish filling both filters 1 and 2 in Unit 1, as well as the center basin, this week. Unit 1 will be run until a proper sludge blanket is formed (expected to take approximately one day) and then Unit 2 will be shut down and drained in preparation for Badger to return and clean off the top of the tube settlers. (anticipated for 1/15/24). Unit 2 will then be started back up, alongside Unit 1. Once the leaking valve is replaced and Unit 1 is fully operational, Unit 3 will be shut down and FabTech will begin sandblasting.
38. Updated project schedule to completion below:
  - Week of 1/8: Alliance to fill and run Unit 1 with the leaking Filter drain valve
  - Week of 1/15: Alliance to shut down Unit 2  
Badger to hydrovac sludge/debris off the top of Unit 2 tube settlers (scheduled for 1/15; 1/16 if needed)  
Alliance to restart Unit 2  
Pace to replace Unit 1 Filter 2 drain valve
  - Week of 1/22: Pace to begin Unit 3 scope  
Drain out and clean Unit 3 basin  
Badger to return to assist in cleaning out Unit 3 and/or sludge drained from Unit 3 (scheduled 1/23; 1/24 if needed)
  - Week of 1/29: Fabtech to sandblast Unit 3 (estimated to take 3-4 weeks)
  - Week of 2/19: McKinney to recoat/paint Unit 3 (est. to take 1-2 weeks)  
FabTech to replace Flocculator and Scraper Drive Units
  - Week of 2/26: Pace to install Unit 3 Tube Settler Supports and Tube Settler Modules (should take one week to complete).
  - Week of 3/2: Complete Unit 3 Start-Up
39. Bell's structural engineer prepared the design for the new trailer. The draft design was forwarded for review on 12/8. The final design was forwarded on 12/14. Preliminary pricing was received on 12/22 and forwarded for review by BSADD. BSADD has been working on the funding aspect of the trailer.
40. Bell revised the trailer drawing to remove the casters in an effort to get the unit built faster. Revised drawing was circulated on December 28<sup>th</sup>.
41. Bell has reached out to CraneTech 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. 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 is \$1,500,000.00. This includes construction, contingencies and construction related engineering. It may also include Corps of Engineers administration.
  26. We are currently reviewing the project budget, in order to determine if anything must be cut out of the project.
  27. A recommendation concerning the bids will then be made.

### **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 26<sup>th</sup>. The single bid received was submitted by Microcomm in the amount of \$47,246.00. Microcomm equipment is currently what the District utilizes and it was a contract requirement that the equipment supplied maintain continuity of the telemetry system.
17. A letter has been forwarded to the District advising that it is Bell Engineering's professional opinion that the Contractor is capable of performing the work at the bid price and recommending the District award the project to Microcomm.
18. Project was awarded to Microcomm.
19. The Contract for the project has been executed by the District and Microcomm.

**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 25<sup>th</sup>. 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 3<sup>rd</sup>, 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 December 20<sup>th</sup> review with Alliance and the project will be ready for another review with Alliance. Project will then be submitted to Division of Water.

#### **F. WATER LINE RELOCATION HUNTER'S LANE**

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

- G. KY 908 GUARDRAIL PROJECT**
1. Met on-site with KYTC multiple times.
  2. KYTC has advised additional funds have been requested to perform this work. They will release the project for design when those funds are approved. Project is on hold.
- H. SESTER BRANCH UTILITY RELOCATION**
1. Plans and specifications are 100% complete. Engineering contract has been approved by KYTC and forwarded to MCWD for signature. Project is being submitted to the Division of Water and will be bid as soon as KYTC has all agreement in place. Bidding will likely 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 on January 5, 2024. Currently reviewing roadway alignment and existing waterline conflicts.
- J. HIGH SCHOOL PUMP STATION CHECK VALVE**
1. Project to move forward when funded. An updated project cost has been provided to Alliance.
- K. FEMA BACKUP GENERATOR PROJECT**
1. FEMA funded a project that includes the following:
    - One Generator to operate 750-HP VFD Controlled RWI Pump
    - Two Generators to operate 60-HP VFD Controlled Pumping Stations
  2. The district received a letter in April from FEMA advising of award in the amount of \$1,140,300.
  3. Project design is ongoing tracking toward a spring design completion.
- L. KY 292 UTILITY RELOCATION**
1. Representatives of KYTC, Alliance and Bell Engineering met onsite to discuss the project.
  2. Bell has been onsite to survey the property.
  3. Bell prepared relocation plans and reviewed with Alliance.
  4. An Opinion of Construction Cost, relocation plans and proposed engineering contract were all sent to KYTC. All are currently under review by the Transportation Cabinet.
- M. SPICY MOUNTAIN WATER EXTENSION**
1. An opinion of probable project cost for delivery of water from the Johnosn County side of the Mountain has been prepared.

**N. TURKEY TANK REHABILITATION**

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

**O. INEZ UTILITY REPLACEMENT**

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

**P. 40E WATER IMPROVEMENT PROJECT**

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

**Q. COLDWATER WATER IMPROVEMENT PROJECT**

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

**R. OLD ROUTE 3 WATER IMPROVEMENT PROJECT**

1. Project would replace the existing waterline, service line and meters in the Old Route 3 area of the county. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.

**S. WATER IMPROVEMENT PROJECT BETWEEN WTP AND TURKEY TANK**

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

**T. COUNTYWIDE METER REPLACEMENT PROJECT**

1. Project would replace all meters (residential and commercial) in the Martin County Water District system. An opinion of probable project cost has been

prepared, entered into the KIA portal and forwarded to AML for funding consideration.

**U. PREPARE OPINION OF PROBABLE PROJECT COSTS FOR THE FOLLOWING PROJECTS**

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



MARTIN COUNTY WATER DISTRICT 5 YEAR CAPITAL ITEMS							
CAPITAL PROJECTS IN GRANT PROCESS	Pnum	PRIORITY	GRANT PORTAL YEAR	CONSTRUCTION YEAR	COST	FUNDING SOURCE	COMMENTS
RT 40E - WATER IMPROVEMENT PROJECT	WX21159019	1	2023		\$ 975,000	IN GRANT PORTAL	MOVING 50+ CUSTOMERS TO NEWER 10" LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING
TURKEY WATER LINE REPLACEMENT	WX21159026	2	2023		\$ 6,822,000	IN GRANT PORTAL	REPLACING LINE FROM THE WATER PLANT TO THE TURKEY TANK. THIS LINE HAS HAD MULTIPLE LEAKS OVER THE YEARS AND IS A CRITICAL POINT FOR A LARGE SERVICE AREA IN THE SYSTEM.
COLDWATER LINE REPLACEMENT	WX21159023	2	2023		\$ 8,419,000	IN GRANT PORTAL	UP TO 4 WATER LINES IN THE SAME AREA WITH MANY WEAK POINTS
WATER PLANT CLARIFIER III REHAB		1	2020	2023	\$ 250,000	AML	THIS PROJECT WILL BE COMPLETED AS PART OF A LARGER PROJECT CURRENTLY UNDERWAY. RAKE DRIVE BEARING IS OUT.
TURKEY STORAGE TANK REHAB	WX21159025	1	2023		\$ 681,000	IN GRANT PORTAL	TANK IS ONE OF THE OLDEST AND IN THE WORST CONDITION IN OUR SYSTEM
Project 113-19-03 Replace Existing Mainline, Water Meters, Service Line, Valves & Hydrants in the Warfield Area	WX21159006	3	2019		\$ 1,260,658	AML	EXISTING PROJECT BIDDING SOON
Projects 113-19-05 & 113-19-06 Rehabilitation of Otto Brown Booster Station, Line replacement to Middlefork Tank, Upgrade of Davella Booster Station		1	2018 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 Settler Supports with 304/304L Stainless Steel Supports. 5) 60-Foot and 20-Foot Sections of 10-inch DR11 HDPE 4710 Flanged Pipe. 6) A second Pump Trailer. 7) Various Unit Price Items. 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances.
<b>TOTAL</b>					<b>\$</b>	<b>30,487,760</b>	

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**

<b>RECURRING PROJECTS</b>	<b>YEAR</b>	<b>COST</b>	<b>COMMENTS</b>
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

<b>TOTAL</b>	<b>\$ 137,000.00</b>
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