



BRIAN CUMBO

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ADMITTED IN KY AND WV

January 23, 2023

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

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

To Whom It May Concern:

Enclosed please find Martin County Water District's Notice of Filing the information packet for the January 24, 2023 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld

Enclosure

cc: Martin County Water District
Hon. Mary Varson Cromer

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

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

CASE NO. 2020-00154

NOTICE OF FILING

Comes the Martin County Water District, by counsel, and hereby gives Notice of Filing of the attached information packet for the Martin District monthly Board meeting scheduled for January 24, 2023.



BRIAN CUMBO
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WATER DISTRICT
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CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 23rd day of January, 2023, to the following:

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

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


BRIAN CUMBO

Martin County Water District
387 E. Main St.

Phone (606) 298-3885 Inez, Kentucky 41224

Regular Meeting, Tuesday, January 24, 2023 – 6:00 p.m.
Martin County Government Center (2nd Floor)

- 1) Call the meeting to order
- 2) Review and Consideration to Approve Minutes
- 3) Review and Consideration of Financial Reports
 - A. Review and Consideration to Approve Treasurer's Report
 - B. Review and Consideration to Approve Other Financials
- 4) Review and Consideration to Approve Bills
- 5) Legal
 - A. Any Issues for Discussion with Board Attorney
- 6) Operations
 - A. Alliance Operations Report
 - B. Water Loss Report
 - C. Leak Adjustments
- 7) Capital Projects Report
 - A. Project Updates
- 8) Other Old Business
 - A. One-Call System
- 9) Other New Business
 - A. Equipment Lease Agreement
- 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
December 20, 2022, Meeting Minutes**

Presiding: James Kerr, Chairman
Present: Directors: John Hensley, Nina McCoy, Greg Crum
Staff: Craig Miller (GM), Jon Ridings, (LM), Cassandra Moore
Guests: Tony Sneed, Doug Blackburn

The Special Meeting of the Martin County Water District was held on December 20, 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 November 22, 2022, Regular Board Meeting minutes. After further review and discussion of the November 22, 2022 minutes, Mr. Hensley motioned to accept the November 22, 2022 minutes. Mr. Crum seconded. All ayes. Motion carried.

Mr. Kerr requested discussion of the review and consideration of the Financial Reports. Mr. Miller detailed each report as submitted. After further discussion, Mr. Hensley motioned to approve the Treasurer's report submitted. Mrs. McCoy seconded. All ayes. Motion carried. Other Financials were presented by Mr. Miller. After further discussion, Mr. Crum motioned to approve, Mrs. McCoy seconded. All ayes. Motion carried. Mr. Kerr requested discussion of the review and consideration to approve the bad debt write off with the collection agency. After further review and discussion, Mr. Hensley motioned to approve the bad debt write off with the collection agency. Mr. Crum seconded. All ayes. Motion carried. Mr. Kerr requested discussion of the review and consideration to approve the 2023 budget. Mr. Sneed presented the 2023 budget. After further review and discussion, Mr. Hensley motioned to approve the 2023 budget. Mr. Crum seconded. All ayes. Motion carried. Mr. Kerr requested discussion of the review and consideration of the 2023 MOA. Mr. Sneed presented the 2023 MOA. After further review and discussion, Mrs. McCoy motioned to approve the 2023 MOA. Mr. Hensley seconded. All ayes. Motion carried.

Mr. Kerr called for review and consideration to Approve Bills. After review and no further discussion, Mr. Hensley motioned to approve the list of bills as presented. Mrs. McCoy seconded. All ayes. Motion carried.

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

Mr. Kerr called for review of the Operations Report. Staff has been actively reminding and referring customers to contact the Big Sandy Community Action Program if they are having trouble paying for or maintaining services. Marine Solutions, LLC sent divers to measure, document condition, mark location and report findings of Curtis Crum Reservoir intake screens. Staff is continuing to develop WTP SOP's and valve, pump, and piping

locations to assist with training new employees and refreshing/training current employees. Staff worked with Microcomm to install new NIC card in the SCADA computer to correct issues on the pump and tank SCADA. Staff has started a Sunday night leak detection team consisting of two employees. Team reports to distribution crew their findings each Monday morning.

Mr. Miller presented an update of the water loss report. Water loss was reported at **72.76%** for the month of November 2022.

Mr. Miller presented the Board with the November Leak Adjustments. After further review and discussions, Mr. Hensley motioned to approve the October Leak Adjustments. Mr. Crum seconded. All ayes. Motion carried.

Mr. Miller presented an update on the capital projects report. The generator has been delivered but not installed yet. We are still waiting on the transfer switch, which is scheduled for March 13, 2023 as of now. The water plant project is nearing completion. Because of the change in the meeting day the scheduled meeting date with Bell Engineering, staff didn't have much information for project updates. The meeting with Bell Engineering is scheduled for the following day December 21, 2022. Staff will update at the next meeting.

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

Mr. Kerr inquired if there was any Other New Business to discuss. Mrs. McCoy asked that we consider putting the Boil Water Advisories on the news stations. Staff is in the process of working with a one call system. Staff will update the board with pricing and information at the next meeting.

Executive session not required.

Mr. Kerr inquired if there were any other questions before motioning to adjourn. Mr. Blackburn asked why Prestonsburg Utilities was on the LOB. The Board stated that we purchased water from them each month to supply the prison and customers on New Rt.3 to the Davella tank. Mr. Blackburn then asked why the prison never received any boil water advisories when in effect. Staff advised that we've not pumped to the prison in almost a year. If any advisories were in effect, it would be a boil water on Prestonsburg Utilities, not Martin County. Prestonsburg Utilities is providing the water to that location.

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 was adjourned at 6:36 p.m.

Minutes approved this _____ day of _____, 2023.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
December 31, 2022

12/31/22

ASSETS

CURRENT ASSETS

Checking Account - Operations	\$	104,454.10
Revenue Fund - EFT		12,284.69
Debt Service Surcharge Fund		54,631.48
Management Infrastructure Surcharge Fund		9,865.48
Security Deposits		94,162.72
Cash on Hand		900.00
Total Cash		276,298.47
Accounts Receivable		342,701.44
Allowance for Doubtful Accounts		(28,000.00)
Unbilled Accounts Receivable		92,562.00
Inventory		5,557.34
Prepaid Expenses		12,664.50
Total Current Assets		701,783.75

PROPERTY, PLANT, & EQUIPMENT

Land	214,713.83
Water Supply & Distribution System	28,259,040.45
Buildings	500,263.89
Equipment & Furniture	6,382,256.38
Vehicles	138,773.45
Construction Work in Progress	140,222.57
Less: Accumulated Depreciation	(18,501,009.61)
Net Property, Plant, & Equipment	17,134,260.96

RESTRICTED CASH

Grant Fund	63.07
Sinking Fund - RD	14,710.93
Regions Sinking Fund	99,542.22
KIA Sinking Fund	11,401.75
KACO Sinking Fund	9,198.63
Depreciation Fund	1,022.24
Cost of Issuance Fund 2022	2,098.00
Certificate Fund - 2022 Debt Svc	54,762.50
Revenue Fund - 2022	3,382.44
Accrued Interest Receivable	461.00
Total Restricted Cash	196,642.78

OTHER ASSETS

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

Total Assets	\$	18,167,646.49
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Martin County Water District
Balance Sheet
December 31, 2022

12/31/22

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

Accounts Payable	\$	164,781.12
Sales Tax Payable		1,887.17
School Tax Payable		6,623.44
Long Term Debt-Current		57,992.86
Accrued Interest Payable		44,304.48
Customer Deposits		90,858.23
Total Current Liabilities		366,447.30

LONG-TERM DEBT

Note Payable - KIA		283,584.29
Lease Payable - KACO		41,221.96
Bonds Payable - 2015 E Current Refunding		1,645,000.00
Bonds Premium - 2015 E, Net of A/Amort		16,606.95
Bonds Payable - 2022 B		1,110,000.00
Bonds Premium - 2022 B, Net of A/Amort		4,281.03
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		4,604,099.37

Total Liabilities

4,970,546.67

DISTRICT'S EQUITY

Retained Earnings (Deficit)		13,507,653.18
YTD Net Income		(310,553.36)
Total District's Equity		13,197,099.82

Total Liabilities and District's Equity

\$ 18,167,646.49

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

<u>December, 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			
\$ 176,800	\$ 168,103	Water Sales - Residential	\$ 2,100,748	\$ 2,017,245	\$ 2,017,245
29,384	26,329	Water Sales - Commercial	346,674	315,955	315,955
5,905	9,103	Water Sales - Public Authorities	107,282	109,247	109,247
-	5	Bulk Water Sales	30	50	50
1,000	2,201	Connection Fees - Tap	28,372	26,418	26,418
6,091	4,739	Late Charge Fees	70,236	56,874	56,874
510	3,053	Reconnect/Meter Sets/Other Fees	29,560	36,644	36,644
8,777	8,917	Debt Service Surcharge	105,780	107,015	107,015
15,753	16,078	Management Infrastructure Surcharge	189,817	192,936	192,936
-	-	Miscellaneous Income	136	-	-
<u>244,221</u>	<u>238,528</u>	Total Operating Revenues	<u>2,978,637</u>	<u>2,862,384</u>	<u>2,862,384</u>
		Operating Expenses			
-	20	Materials & Supplies	-	249	249
2,974	834	Water Purchased	74,988	10,000	10,000
168,507	168,507	Management & Operations Contract	2,022,084	2,022,084	2,022,084
54,648	26,666	Utilities	375,427	320,000	320,000
3,008	2,422	Insurance	34,932	29,070	29,070
3,324	834	Repairs & Maintenance	47,065	10,000	10,000
48	271	Outside Services	630	3,243	3,243
1,088	1,348	Legal Expenses	10,000	16,182	16,182
-	-	Accounting/Audit	7,950	7,500	7,500
(19,468)	4,584	Bad Debts	30,948	54,999	54,999
-	-	Bond Trustee Fees	450	675	675
227	277	Dues	3,149	3,330	3,330
322	278	Office Expense	2,676	3,344	3,344
796	-	Rent Expense	9,578	-	-
-	-	Taxes	-	7,553	7,553
4,214	807	Regulatory Assess Fees	4,214	9,692	9,692
-	1	Permits	-	23	23
59	-	KY 811 Services	1,274	-	-
177	225	Miscellaneous Expenses	735	2,708	2,708
1	-	Customer Deposit Interest Expense	46	-	-
<u>219,924</u>	<u>207,074</u>	Total Operating Expenses	<u>2,626,146</u>	<u>2,500,652</u>	<u>2,500,652</u>
<u>24,296</u>	<u>31,454</u>	Net Income B/4 Other Income (Expenses)	<u>352,491</u>	<u>361,732</u>	<u>361,732</u>
		Other Income (Expenses)			
-	-	Capital Contributions	261,659	-	-
545	-	Interest Income	2,060	-	-
(9,342)	(6,705)	Interest Expense	(102,853)	(80,458)	(80,458)
392	62	Amortization	3,511	753	753
(65,000)	(65,000)	Depreciation	(780,000)	(780,000)	(780,000)
-	-	Bond Issue Costs	(47,422)	-	-
<u>(73,405)</u>	<u>(71,643)</u>	Total Other Income (Expenses)	<u>(663,044)</u>	<u>(859,705)</u>	<u>(859,705)</u>
<u>\$ (49,109)</u>	<u>\$ (40,189)</u>	Net Income (Loss)	<u>\$ (310,553)</u>	<u>\$ (497,973)</u>	<u>\$ (497,973)</u>

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:	Dec-22	
Water Revenue		\$ 176,800.47
Water Revenue-Commercial		29,383.94
Water Revenue-Commercial Exempt		5,905.10
Late Charges		6,091.08
Sales Taxes		1,763.56
Debt Service Surcharge		8,777.37
School Tax		6,514.44
Management Infrastructure Surcharge		15,752.55
Returned Check		2,433.16
Interest on Customer Deposits		(0.98)
Connection Fees		1,000.00
Other Miscellaneous Fees		510.00
Deposits Applied		(1,035.00)
Refund Checks Paid		309.01
Total Billing Charges		\$ 254,204.70
		<hr/>
Gallons Billed		12,428,520
		<hr/>
Customers Billed		3,374

Accounts Receivable	Dec-22	
Beginning Balance		348,619.65
Billing Charges		254,204.70
Bad Debt (Write Offs) Recoveries		-
Accounts Receivable Collections		(226,327.43)
End of Month Accounts Receivable		376,496.92

Operations Account		
Beginning Balance		\$ 84,554.90
Deposits		
Accounts Receivable Collections		226,327.43
Accounts Receivable Collections - Pmts in EFT Revenue Account		(95,033.89)
Sewer Billing Collections in Water Bank Acct - Due to MCS		67,995.62
Customer Deposits Received		1,215.00
Transfers from Other District Accts		97,200.00
Total Deposits		297,704.16
Disbursements:		
Checks Written		(84,195.20)
Pmts made to Sanitation for A/R Collections		(74,397.65)
Transfers to Other District Accts		(56,244.89)
Auto Drafted Utilities		(52,856.52)
Sales and School Tax Payments		(7,832.31)
Returned Checks		(2,218.39)
Bank Fees		(60.00)
End of Month Balance		\$ 104,454.10

Cash Receipts Collected To Date in:	Jan-23	200,257.64
Bills Submitted for Payment in:	Jan-23	(287,076.71)
Available Balance	3A-4	17,635.03

**Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
December 31, 2022**

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 84,554.90	297,704.16	-	(277,804.96)	\$ 104,454.10
Revenue EFT Account	12,640.44	95,033.89	-	(95,389.64)	12,284.69
Debt Service Surcharge	41,066.97	13,563.39	1.12		54,631.48
Management Infrastructure Surcharge	1,000.28	24,341.50	0.21	(15,476.51)	9,865.48
Security Deposits	93,743.55	724.16	4.02	(309.01)	94,162.72
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	<u>233,906.14</u>	<u>431,367.10</u>	<u>5.35</u>	<u>(388,980.12)</u>	<u>276,298.47</u>
Restricted Cash					
ARC Grant	63.07		-	-	63.07
Rockhouse Project	14,149.58	10,800.00	-	(10,238.65)	14,710.93
Regions Bank-KY 2015E Martin County	89,068.61	10,238.65	234.96	-	99,542.22
KIA Bond & Interest	13,470.23	5,800.00	0.18	(7,868.66)	11,401.75
KY Assoc of Counties Leasing Trust	8,235.15	1,200.00	0.15	(236.67)	9,198.63
Depreciation Reserve	1,022.22	-	0.02	-	1,022.24
Cost of Issuance Fund 2022	2,098.00		-	-	2,098.00
Certificate Fund - 2022 Debt Svc	54,605.97		156.53	-	54,762.50
Revenue Fund - 2022	3,372.77		9.67	-	3,382.44
Total Restricted Cash	<u>186,085.60</u>	<u>28,038.65</u>	<u>401.51</u>	<u>(18,343.98)</u>	<u>196,181.78</u>
Total Cash & Investments	<u>\$ 419,991.74</u>	<u>459,405.75</u>	<u>406.86</u>	<u>(407,324.10)</u>	<u>\$ 472,480.25</u>

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
Dec-22	217,251	2,595,436	12,429	3,374	226,327
Nov-22	213,516	2,378,186	12,064	3,389	232,620
Oct-22	199,884	2,164,670	10,420	3,400	256,624
Sep-22	232,922	1,964,786	13,890	3,417	262,588
Aug-22	217,328	1,731,864	12,413	3,402	263,138
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

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

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 42,012.80
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 3,128.46
3 Paintsville Utilities	Electric for token (11/03/22 to 12/01/22) Estimated	\$ 29.05
4 Martin County Public Library	Rent (Feb)	\$ 796.12
5 Martin County Water District	Sanitation (Dec)	\$ 141.67
6 Sales tax	12/2022 (estimated)	\$ 1,601.18
7 School tax	12/2022 (estimated)	\$ 6,231.13
8 Alliance Water Resources	1/1/23-1/15/23 O&M services	\$ 84,253.50
9 Alliance Water Resources	1/16/23-1/31/23 O&M services	\$ 84,253.50
10 Alliance Water Resources	1/23 Suddenlink Reimbursement (estimated)	\$ 91.88
11 Alliance Water Resources	1/23 Suddenlink Reimbursement (estimated)	\$ 41.29
12 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 15,476.23
13 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 8,623.53
14 KPSC Assessment Tax	Tax Due	\$ 4,213.75
15 Brian Cumbo	Legal Fees	\$ 1,087.50
16 Prestonsburg City's Utilities	Purchased Water	\$ 2,766.35
17 Kentucky Underground	811 Services (Dec)	\$ 58.50
18 Carbon Auto	Lifters/Bolts	\$ 1,991.43
19 Estech Systems	Phone System (Jan)	\$ 220.63
20 NexBillPay	Fees (Dec)	\$ 83.00
21 Hostway	Domain Name Fee	\$ 19.95
22 Hostway	Domain Recurring Windows Starter Fee	\$ 239.40
23 KRWA	Annual Enrollment Fee	\$ 2,220.00
24 Peoples Insurance Agency, LLC	Surety Bond Renewal	\$ 916.20
25 Consolidated Pipe	Meters/Parts	\$ 2,029.17
26 Consolidated Pipe	Meters/Parts	\$ 3,837.20
27 Consolidated Pipe	Meters/Parts	\$ 2,570.20
28 Citco Water	Pressure Guage	\$ 4,127.98
29 Frew Process Group	25 RCDL Disc Meter	\$ 332.79
30 Dotson Contracting	Davella Rd Bore/Lovely Rd Bore	\$ 3,600.00
31 Mountain Water District	Purchased Water	\$ 207.34
32 CNA Surety	Western Surety Company	\$ 2,468.65
33 CNA Surety	Western Surety Company	\$ 356.30
34 Consolidated Pipe	Meters/Parts	\$ 971.25

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

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
35 Consolidated Pipe	Meters/Parts	\$ 2,500.00
36 Consolidated Pipe	Meters/Parts	\$ 422.00
37 Consolidated Pipe	Service Charges	\$ 58.39
38 Consolidated Pipe	Service Charges	\$ 58.39
39 Consolidated Pipe	Meters/Parts	\$ 2,540.00
40 Department of Local Gov	SPGE Registration Fee	\$ 500.00
TOTAL		\$ 287,076.71

Operations Account - Debt Service Funding

		<u>Transfer Amounts</u>
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

\$ 304,876.71

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

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Security Deposit Account		
Customer		
1 Peggy Maynard	Deposit refund due to customer	\$ 54.29
2 Ronnie Porter	Deposit refund due to customer	\$ 21.06
3 Abbie Justice	Deposit refund due to customer	\$ 40.06
4 Vicki Carr	Deposit refund due to customer	\$ 51.72
5 Dovie Crum	Deposit refund due to customer	\$ 39.38
TOTAL		\$ 206.51



Martin County Water District

OUR MISSION

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

Alliance Water Resources, Inc.

206 S. Keene
St. Columbia,
MO 65201

(573)874-8080

December 2022

Administrative

Staff has completed the last Elijah Streams payment for customers. The program ended up assisting one hundred and sixty-nine (169) customers.

Water Treatment

WTP Operators performed routine backwashing of filters on Clarifiers 1 & 2 to ensure proper filtration. WTP operators also collected bi-weekly bacteriological and fluoride distribution system samples for system monitoring and compliance.

Tom Alley will remain as WTP Supervisor until June 31st. This will allow for additional training with new operator trainees

Nathan Begley was hired to fill one WTP Operator Trainee position

Replaced chemical room outdoor spigot with a new, frost-free spigot

Installed new cooling fan in Turkey pump 2 due to a failure of the old fan

US Bearing and Power Transmission diagnosed High Service Pump 2 issues. Confirmed that a new variable frequency drive is needed as ours is now obsolete and sourcing replacement parts is extremely difficult

Greased High Service Pump and Turkey booster station pumps 1 & 2

Greased Clarifier 2 center column mixer and sludge rake bearings

Compiled quotes for new variable frequency drive purchase and installation for High Service Pump 2

Temporarily paused Sodium Permanganate feed due to low levels of iron and manganese in our raw water source

Service Pump & Supply used their certified flow meter on our WTP effluent line to confirm that the Siemens Mag Meter provided by Southern Flow is inaccurate. This has caused the water loss calculations to be inaccurate.

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

Developed laboratory SOPs for pH meter calibration, alkalinity and hardness testing, and calibration of online turbidimeters

Held 3 interviews for WTP Operator Trainee position

Installed new electrical outlet at Clearwell tank site to place a heat lamp in our level indicator transducer pit and ensure the line doesn't freeze

Replaced Clearwell tank level transducer influent line to ensure accurate level readings

Rebuilt and tested 10+ Badger meters to assist distribution crew in replacing busted customer water meters

Decluttered meter bench room and disposed of junk inventory

Removed coupon rack from pipe gallery at WTP until it is set up for our next corrosion study

Raised center column mixer speed on Clarifier 2 to promote denser floc formation, promote better settling, and ensure longer filter run times

Pace Construction continued cleaning and painting the walkway on Clarifier 2 and began removing grout from Clarifier 1 underdrains to assess and designate a fix for leaking divider walls between filters 1 & 2

Distribution:

Winterized more lines to prepare for winter, covered exposed lines, filled in low spots along mains, and wrapped lines that were not able to be covered. Completed several creek crossings and replaced more heaters in pump stations.

Discontinued Main after last meter in Cline Bottom

Replaced Master Meter at Inez Elementary

Repaired many mains including a2in main on Spence Br, 6in main on Tomahawk in two different locations, the 8in main at Main St. by Community Center, 8in main on Main St by Business development center, 4in main at Jarrets Trailer Park, 8in main on Beauty Rd, 14in transmission line on Turkey Creek, 2in main at Inez Elementary, 4in main on Milo, 6in main on 645, 4in main on Hode Rd. Removed a hydrant connection due to leak on Buck Creek Mountain, and responded to busted fire suppression calls on Davella and Warfield



Professional Water and Wastewater Operations

Martin County Water District

Staff repaired over 21 service lines, replaced over 25 meters, replaced the pump that services Dick Youngs residence, located and resolved over 20 customer side leaks, investigated over 15 different possible leaks, thawed frozen service lines all over the district, leak detected extensively on Marcus Wells, Buck Creek, Buffalo Horn, Meathouse, Turkey, and Inez pressure zones.

Safety

The monthly safety meeting was held on December 6th and covered Chlorine Safety and Best Handling Practices in addition to Ladder, Housekeeping, and Chainsaw Safety.

Training

Customer Service:

Staff had a customer contact the billing office to tell the Distribution Staff that they really appreciated how hard they worked during the deep freeze. They understood how hard it was and how unappreciative everyone was being, but they were thankful for them.

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 –DECEMBER	
Total Water Production (gallons)	26,692,000
Total Water Metered/Billed (gallons)	12,429,000
Other Water Used (gallons)	886,000
Total Water Loss (gallons)	14,972,000
Portion of TWL due to Main Breaks (gallons)	33,246,000
Average Daily Flow (Million Gallons per Day)	0.861 MGD
Maximum Daily Flow	0.934 MGD
Fluoride Used (lbs.)	445.8 LBS
Chlorine Used (lbs.)	1,445 LBS
Lab Tests	3,815

Water Quality Analysis

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	5 (Pass)	0
		Reported	Minimum Limit
Fluoride Plant Sample	31	0.81 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total-35 Free-35	Low Readings Total - 0.42mg/L Free - 0.48 mg/L	0.2 mg/l

Customer Service Request and Work Orders

Meter Reads	3344
Meter Sets	13
Turn offs-Close account	17
Taps	1
Meter Changes	43
Disconnects for Non-payment	0
Boil Notices	1
Line Locates	41
Water Leaks/Breaks	41
Other/Investigates	83



Repair Expenses Ending November 2022

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$367	\$7,000	5%
Vehicle Maintenance	\$23,606	\$25,000	94%
Water Plant Maintenance	\$9,115	\$15,000	61%
Distribution System Maintenance	\$139,883	\$90,000	155%
Water Meter Maintenance	\$47,288	\$10,000	473%
Street Maintenance	\$0	\$8,000	0%
Totals	\$220,259	\$155,000	142%

Chemical Expenses Ending November 2022

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Hydroxide	\$17,416	\$11,000	158%
Lime/Caustic Soda	\$0	\$30,000	0%
Alum (DELPAC)	\$42,983	\$15,000	286%
Chlorine	\$36,561	\$20,000	183%
Permanganate	\$8,960	\$19,000	47%
Fluoride	\$5,550	\$7,000	79%
Chemicals Other - Water	\$13,642	\$8,000	170%
Totals	\$132,487	\$110,000	120%

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Martin County Water District

Notes:

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

- 2) Vehicle Maintenance
 - a. JJR Hutch Chrysler \$500.86
 - b. EBAY \$17.45
 - c. Comdata \$0.98

- 3) Water Plant Maintenance
 - a. Evans Hardware \$3.16
 - b. Evans Hardware \$9.02
 - c. Evans Hardware \$10.49
 - d. Wal-Mart \$96.50

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. Warren Pump & Supply \$906.57
 - b. Consolidated Pipe & Supply \$646.60
 - c. Consolidated Pipe & Supply \$257.79
 - d. Consolidated Pipe & Supply \$1,997.55
 - e. Consolidated Pipe & Supply \$706.12
 - f. Consolidated Pipe & Supply \$570.30
 - g. Consolidated Pipe & Supply \$372.04
 - h. Consolidated Pipe & Supply \$2,373.34
 - i. Consolidated Pipe & Supply \$2,373.34
 - j. Consolidated Pipe & Supply \$250.24
 - k. Consolidated Pipe & Supply \$170.20
 - l. Evans Hardware \$2.98
 - m. JJR \$118.66
 - n. Advance Auto \$38.15
 - o. R&J \$5.29
 - p. R&J \$5.94
 - q. R&J \$10.59
 - r. R&J \$222.58
 - s. R&J \$10.59
 - t. R&J \$24.36
 - u. R&J \$51.56
 - v. R&J \$6.35
 - w. R&J \$49.33
 - x. R&J \$12.99
 - y. Consolidated \$15.00
 - z. Consolidated \$66.00



Martin County Water District

- 6) Meter maintenance
 - a. Consolidated Pipe and Supply \$139.98
 - b. Consolidated Pipe and Supply \$238.50
 - c. Consolidated Pipe and Supply \$92.14

- 7) Sodium Bisulfite
 - a. CITCO Water \$126.40
 - b. CITCO Water \$1,008.36

- 8) Sodium Hydroxide
 - a. \$0.00

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

- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. CITCO Water \$1,818.16
 - b. CITCO Water \$1,818.16

- 12) Chlorine
 - a. CITCO Water \$1,439.92
 - b. CITCO Water \$2,159.89

- 13) Permanganate
 - a. \$0.00

- 14) Fluoride
 - a. \$0.00

- 15) Chemicals Other – Water
 - a. CITCO Water \$733.67

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: December Year: 2022

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	59,047
3	Water Purchased	709
4	TOTAL PRODUCED AND PURCHASED	59,756
5		
6	WATER SALES	
7	Residential	10,185
8	Commercial	2,244
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain)	
14	TOTAL WATER SALES	12,429
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	-
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	14,081
27	Line Leaks	33,246
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	47,327
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)	79.20%

Raw water flow meter numbers were used for this report due to the new production meter installed by Pace being out of calibration. Flow calibration issues were confirmed by a third party. This month's flow numbers are not consistent with the rest of the years partially because of this.

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: Annual Year: 2022

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	614,014
3	Water Purchased	15,033
4	TOTAL PRODUCED AND PURCHASED	629,047
5		
6	WATER SALES	
7	Residential	123,096
8	Commercial	28,802
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	5,743
13	Other Sales (explain)	
14	TOTAL WATER SALES	157,641
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	10,188
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	508
21	Other Usage (explain)	
22	TOTAL OTHER WATER USED	10,696
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	86,712
27	Line Leaks	373,998
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	460,710
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)	73.24%

MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
1/18/2023

line break in front yard; repaired

BILLED GALLONS/COST	16,650	195.10		
BILLED GALLONS/COST	11,810	144.33		
AVG GALLONS/BILL	6,000	83.38		
LEAK GALLONS/PURCH COST	10,650	21.30		
LEAK GALLONS/PURCH COST	5,810	11.62		
PAY (avg+leak cost)		104.68		
WRITE OFF (billed-avg-purch cost)		223.13	223.13	
LATE PENALTIES TO ADJ		0.00	0.00	
TOTAL			223.13	116.30

leak was in main line; repaired: carried over to 2nd month

BILLED GALLONS/COST	13,900	166.25		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	11,900	23.80		
PAY (avg+leak cost)		65.22		
WRITE OFF (billed-avg-purch cost)		101.03	101.03	
TOTAL			101.03	65.22

meter gaskets were leaking which caused increased usage; staff replaced gaskets

BILLED GALLONS/COST	6,290	86.42		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	4,290	8.58		
PAY (avg+leak cost)		50.00		
WRITE OFF (billed-avg-purch cost)		36.42	36.42	
TOTAL			36.42	50.00

line break between meter and home; repaired

BILLED GALLONS/COST	7,970	104.05		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	5,970	11.94		
PAY (avg+leak cost)		53.36		
WRITE OFF (billed-avg-purch cost)		50.69	50.69	
TOTAL			50.69	53.36

broken line under home; repaired

BILLED GALLONS/COST	8,300	107.51		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	6,300	12.60		
PAY (avg+leak cost)		54.02		
WRITE OFF (billed-avg-purch cost)		53.49	53.49	

SEWER	8,300	126.30		
SEWER ADJ	2,000	33.00	93.30	
SWR PENALTIES TO ADJ		0.00		
TOTAL			146.79	54.02

hot water tank busted; replaced

BILLED GALLONS/COST	6,890	92.72		
BILLED GALLONS/COST	7,860	102.89		
AVG GALLONS/BILL	6,000	83.38		
LEAK GALLONS/PURCH COST	890	1.78		
LEAK GALLONS/PURCH COST	1,860	3.72		
PAY (avg+leak cost)		85.16		
WRITE OFF (billed-avg-purch cost)		106.73	106.73	
LATE PENALTIES TO ADJ		0.00	0.00	
TOTAL			106.73	88.88

line break between home and meter; repaired; 2nd month

BILLED GALLONS/COST	43,490	476.65		
AVG GALLONS/BILL	10,000	125.34		
LEAK GALLONS/PURCH COST	33,490	66.98		
PAY (avg+leak cost)		192.32		
WRITE OFF (billed-avg-purch cost)		284.33	284.33	
TOTAL			284.33	192.32

line break under home; repaired

BILLED GALLONS/COST	6,290	86.42		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	4,290	8.58		
PAY (avg+leak cost)		50.00		
WRITE OFF (billed-avg-purch cost)		36.42	36.42	
TOTAL			36.42	50.00

line break in yard; repaired

BILLED GALLONS/COST	29,780	332.83		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	27,780	55.56		
PAY (avg+leak cost)		96.98		
WRITE OFF (billed-avg-purch cost)		235.85	235.85	
TOTAL			235.85	96.98

hot water tank busted; replaced

BILLED GALLONS/COST	34,930	386.86		
BILLED GALLONS/COST	8,850	113.28		
AVG GALLONS/BILL	5,000	72.89		
LEAK GALLONS/PURCH COST	29,930	59.86		
LEAK GALLONS/PURCH COST	3,850	7.70		
PAY (avg+leak cost)		132.75		

WRITE OFF (billed-avg-purch cost)		359.69	359.69	
LATE PENALTIES TO ADJ		0.00	0.00	
TOTAL			359.69	140.45

toilet leak was repaired

BILLED GALLONS/COST	46,380	506.97		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	44,380	88.76		
PAY (avg+leak cost)		130.18		
WRITE OFF (billed-avg-purch cost)		376.79	376.79	
SEWER	46,380	690.27		
SEWER ADJ	2,000	33.00	657.27	
SWR PENALTIES TO ADJ		0.00		
TOTAL			1,034.06	130.18

water line blew apart; repaired

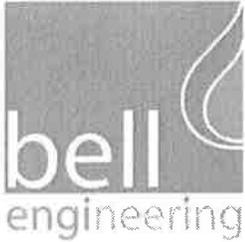
BILLED GALLONS/COST	24,630	278.81		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	22,630	45.26		
PAY (avg+leak cost)		86.68		
WRITE OFF (billed-avg-purch cost)		192.13	192.13	
TOTAL			192.13	86.68

water line blew apart; repaired

BILLED GALLONS/COST	32,280	359.06		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	30,280	60.56		
PAY (avg+leak cost)		101.98		
WRITE OFF (billed-avg-purch cost)		257.08	257.08	
TOTAL			257.08	101.98

toilet was leaking; replaced parts; carried over to 2nd month

BILLED GALLONS/COST	19,610	266.15		
AVG GALLONS/BILL	2,000	41.42		
LEAK GALLONS/PURCH COST	17,610	35.22		
PAY (avg+leak cost)		76.64		
WRITE OFF (billed-avg-purch cost)		189.51	189.51	
TOTAL			189.51	76.64



MEETING AGENDA
PROGRESS MTG #41
MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY, KENTUCKY
January 10, 2023

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,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 December 7th:
 - Painted mud valves and bridge.
 - Mounted panels.
 - Pulled wire.
 - Sandblasted bottom of walkway on Unit 2.
 - Installed handrail.
 - Welded leaks on Unit 1 underdrain.
 - Ran tests on welds.
 - Painted Unit 2 walkway.
 - Painted underdrain welds.
 - Rubbed generator pad concrete edges.
 - Wired chemical feed pump.

- Cleaned floor below media.
- Ran conduit for annunciator panel.
- Mounted annunciator.
- Removed grout ring in Unit 1.

**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 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 now available. Several revisions are being made to the project plans. Anticipate rebidding the project in Q1 2023.

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. We are working on project design now.

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.

14. Project is in design. Anticipate completing design in 2023.

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. SESTER BRANCH UTILITY RELOCATION

1. Will meet onsite with KYTC on January 18th.

I. 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.

J. 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.

K. 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.

L. 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.

M. INEZ UTILITY REPLACEMENT

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

N. 40E WATER IMPROVEMENT PROJECT

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

O. COLDWATER WATER IMPROVEMENT PROJECT

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

P. OLD ROUTE 3 WATER IMPROVEMENT PROJECT

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

Q. WATER IMPROVEMENT PROJECT BETWEEN WTP AND TURKEY TANK

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

R. COUNTYWIDE METER REPLACEMENT PROJECT

1. Project would replace all meters (residential and commercial) in the Martin County Water District system. An opinion of probable project cost has been prepared and forwarded to AML for funding consideration.

January 24th, 2023

TO: Martin County Water District
Board of Directors

INFORMATION & DECISION

FROM: Staff

RE: One Call Now

Staff is presenting the Board with information pertaining to the One Call Now System offered through OnSolve. OnSolve is web-based, so there's no hardware or software to install or update. OnSolve can create an unlimited number of contacts and subgroups. This will allow staff to send emergency and any other time-sensitive alerts to our customers.

OnSolve is based on the amount of credits purchased. For example, one call/text equals one credit. The quote provided is for 10,000 credits costing \$1200.00 annually. If credits are not used within the year, they can be rolled over to the following year.

If the Board agrees, staff recommends moving forward with the set up and payment of OnSolve.



Sales Quote: Q-511416

Offer Expires: April 19, 2023

Prepared for:
 Cassandra Moore
 Martin County Water District
 387 East Main St Suite 140
 Inez, KY 41224
 1 (606) 298-3885
 cmoore@alliancewater.com

Prepared by:
 Rebecca Overman
 Account Executive
 OnSolve
 780 West Granada Blvd
 Ormond Beach, FL 32174
 rebecca.overman@onsolve.com

Payment Terms: Net 30
Billing Frequency: Annually
Currency: USD

Subscription Service Fees

Critical Communications

Item/Description	Order Term	Qty	Annual Price*	Term Total
One Call Now: Pay Per Call Enhanced Plan	03/31/2023 - 03/30/2024	1	\$0.00	\$0.00
One Call Now: Call Credits for Enhanced Plan	03/31/2023 - 03/30/2024	10,000	\$0.12	\$1,200.00
One Call Now: Max Phone Numbers (Pay Per Call)	03/31/2023 - 03/30/2024	25,000	\$0.00	\$0.00
One Call Now: Message Length (seconds) (Pay Per Call)	03/31/2023 - 03/30/2024	45	\$0.00	\$0.00
One Call Now: Feature Add-on Auto Call (Pay Per Call)	03/31/2023 - 03/30/2024	1	\$0.00	\$0.00
One Call Now: Feature Add-on SMS Text Messaging (Pay Per Call)	03/31/2023 - 03/30/2024	1	\$0.00	\$0.00
Critical Communications Subscription Fees				\$1,200.00

ORDER TOTAL	\$1,200.00
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Annual Fees

Year 1 Subscription Fees + Non-Recurring Service Fees	\$1,200.00
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*The Fees shown above may have been rounded to two decimal places for display purposes. As many as ten decimal places may be present in the actual price. The totals for this order were calculated using the actual price, rather than the Fees displayed above, and are the true and binding totals for this order.

Please Note

- 5000 credits \$700.00 20,000 credits \$2,200.00 50,000 credits \$5,000.00

January 24th, 2023

TO: Martin County Water District
Board of Directors

INFORMATION & DECISION

FROM: Staff

RE: Equipment Lease Agreement

Staff is presenting the Board with the Equipment Lease Agreement approved by the Board on March 9, 2018 as prepared by Cumbo Law Office. In searching for the original signed copy, staff was unable to locate said document, only the copy prepared by Cumbo Law Office. Staff is requesting the Board sign the agreement again and add to the monthly minutes for verification. The original copy would then be filed with Cumbo Law Office, and a second copy filed in the District's billing office.

If the Board agrees, staff recommends signing the Equipment Lease Agreement approved by the Board on March 9, 2018 and filing the verifications in the appropriate offices.

EQUIPMENT LEASE AGREEMENT

This Equipment Lease Agreement (the "Agreement") is made and executed on the _____ day of _____, 2018, by and between the Martin County Sanitation District ("Lessor"), of 387 East Main Street, Suite 140, Inez, Martin County, Kentucky 41224, Grantor, and the Martin County Water District ("Lessee"), of 387 East Main Street, Suite 140, Inez, Martin County, Kentucky 41224, Grantee.

The Parties agree as follows:

1. EQUIPMENT: Lessor hereby leases to Lessee the following equipment:

2017 Ram 2500, VIN#3C6UR5HJ1HG680622
2017 Ram 5500, VIN#3C7WRNBL8HG77316
2017 Ram 3500, VIN#3C7WRTCL6HG684330
2017 Ram 2500, VIN#3C6UR5HJXHG680621
2017 Kubota, Serial#70882; Model#XX121R3AT3
(the "Equipment").

2. LEASE TERM: The lease will start on _____ (being date) and will end on _____ (end date) (Lease Term).

3. LEASE PAYMENTS: Lessee agrees to pay Lessor as rent for the Equipment the amount of \$1.00 ("Rent") each month in advance on the first day of each month at: Martin County Sanitation District, 387 East Main Street, Suite 140, Inez, Martin County, Kentucky 41224 (address for rent payment) or at any other address designated by Lessor. If the Lease Term does not start on the first day of the month or end on the last day of a month, the rent will be prorated accordingly.

4. LATE CHARGES: If any amount under this Agreement is more than 10 days late, Lessee agrees to pay a late fee of \$1.00.

5. SECURITY DEPOSIT: Prior to taking possession of the Equipment, Lessee shall deposit with Lessor, in trust, a security deposit of \$0.00 as security for the performance

by Lessee of the terms under this Agreement and for any damages caused by Lessee or Lessee's agents to the Equipment during the Lease Term. Lessor may use part or all of the security deposit to repair any damage to Equipment caused by Lessee or Lessee's agents. However, Lessor is not just limited to the security deposit amount and Lessee remains liable for any balance. Lessee shall not apply or deduct any portion of any security deposit from the last or any month's rent. Lessee shall not use or apply any such security deposit at any time in lieu of payment of rent. If lessee breaches any terms or conditions of this Agreement, Lessee shall forfeit any deposit, as permitted by law.

6. **DELIVERY:** Lessee [X] shall or [] shall not (*choose one*) be responsible for all expenses and costs: i) at the beginning of the Lease Term, of shipping the Equipment to Lessee's premises and ii) at the end of the Lease Term, of shipping the Equipment back to Lessor's premises.

7. **DEFAULTS:** If Lessee fails to perform or fulfill any obligation under this Agreement, Lessee shall be in default of this Agreement. Subject to any statute, ordinance or law to the contrary, Lessee shall have seven (7) days from the date of notice of default by Lessor to cure the default. In the event Lessee does not cure a default, Lessor may at Lessor's option (a) cure such default and the cost of such action may be added to Lessee's financial obligations under this Agreement; or (b) declare Lessee in default of the Agreement. If Lessee shall become insolvent, cease to do business as a going concern or if a petition has been filed by or against Lessee under the Bankruptcy Act or similar federal or state statute, Lessor may immediately declare Lessee in default of this Agreement. In the event of default, Lessor may, as permitted by law, re-take possession of the Equipment. Lessor may, at its option, hold Lessee

liable for any difference between the Rent that would have been payable under this Agreement during the balance of the unexpired term and any rent paid by any successive lessee if the Equipment is re-let minus the cost and expenses of such reletting. In the event Lessor is unable to re-let the Equipment during any remaining term of this Agreement, after default by Lessee, Lessor may at its option hold Lessee liable for the balance of the unpaid rent under this Agreement if this Agreement had continued in force.

8. POSSESSION AND SURRENDER OF EQUIPMENT: Lessee shall be entitled to possession of the Equipment on the first day of the Lease Term. At the expiration of the Lease Term, Lessee shall surrender the Equipment to Lessor by delivering the Equipment to Lessor or Lessor's agent in good condition and working order, ordinary wear and tear excepted, as it was at the commencement of the Agreement.

9. USE OF EQUIPMENT: Lessee shall only use the equipment in a careful and proper manner and will comply with all laws, rules, ordinances, statutes and orders regarding the use, maintenance or storage of the equipment.

10. CONDITION OF EQUIPMENT AND REPAIR: Lessee or Lessee's agent has inspected the Equipment and acknowledges that the Equipment is in good and acceptable condition.

11. MAINTENANCE, DAMAGE AND LOSS: Lessee will, at Lessee's sole expense, keep and maintain the Equipment clean and in good working order and repair during the Lease Term. In the event the Equipment is lost or damaged beyond repair, Lessee shall pay to Lessor the replacement cost of the equipment; in addition, the obligations of this Agreement shall continue in full force and effect through the Lease Term.

12. INSURANCE: Lessee shall be responsible to maintain insurance on the Equipment with losses payable to Lessor against fire, theft, collision, and other such risks as are appropriate and specified by Lessor. Upon request by Lessor, Lessee shall provide proof of such insurance.

13. ENCUMBRANCES, TAXES AND OTHER LAWS: Lessee shall keep the Equipment free and clear of any liens or other encumbrances, and shall not permit any act where Lessor's title or rights may be negatively affected. Lessee shall be responsible for complying with and conforming to all laws and regulations relating to the possession, use or maintenance of the Equipment. Furthermore, Lessee shall promptly pay all taxes, fees, licenses and governmental charges, together with any penalties or interest thereon, relating to the possession, use or maintenance of the Equipment.

14. LESSORS REPRESENTATIONS: Lessor represents and warrants that he/she has the right to lease the Equipment as provided in this Agreement and that Lessee shall be entitled to quietly hold and possess the Equipment, and Lessor will not interfere with that right as long as Lessee pays the Rent in a timely manner and performs all other obligations under this Agreement.

15. OWNERSHIP: The Equipment is and shall remain the exclusive property of Lessor.

16. SEVERABILITY: If any part or parts of this Agreement shall be held unenforceable for any reason, the remainder of this Agreement shall continue in full force and effect. If any provision of this Agreement is deemed invalid or unenforceable by any court of competent jurisdiction, and if limiting such provision

would make the provision valid, then such provision shall be deemed to be construed as so limited.

17. ASSIGNMENT: Neither this Agreement nor Lessee's rights hereunder are assignable except with Lessor's prior, written consent.

18. BINDING EFFECT: The covenants and conditions contained in the Agreement shall apply to and bind the Parties and the heirs, legal representatives, successors and permitted assigns of the Parties.

19. GOVERNING LAW: This Agreement shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky.

20. NOTICE: Any notice required or otherwise given pursuant to this Agreement shall be in writing and mailed certified return receipt requested, postage prepaid, or delivered by overnight delivery service to:

Lessor:

Martin County Sanitation District
387 East Main Street, Suite 140,
Inez, KY 41224

Lessee:

Martin County Water District
387 East Main Street, Suite 140,
Inez, KY 41224

Either party may change such addresses from time to time by providing notice as set forth above.

21. ENTIRE AGREEMENT: This Agreement constitutes the entire agreement between the Parties and supersedes any prior understanding or representation of any kind preceding the date of this Agreement. There are no other promises, conditions, understandings or other agreements, whether oral or written, relating to the subject matter of this Agreement. This Agreement may be modified in writing and must be signed by both Lessor and Lessee.

22. **CUMULATIVE RIGHTS:** Lessor's and Lessee's rights under this Agreement are cumulative, and shall not be construed as exclusive of each other unless otherwise required by law.

23. **WAIVER:** The failure of either party to enforce any provisions of this Agreement shall not be deemed a waiver or limitation of that party's right to subsequently enforce and compel strict compliance with every provision of this Agreement. The acceptance of rent by Lessor does not waive Lessor's right to enforce any provisions of this Agreement.

24. **INDEMNIFICATION:** Except for damages, claims or losses due to Lessor's acts or negligence, Lessee, to the extent permitted by law, will indemnify and hold Lessor and Lessor's property, free and harmless from any liability for losses, claims, injury to or death of any person, including Lessee, or for damage to property arising from Lessee using and possessing the Equipment or from the acts or omissions of any person or persons, including Lessee, using or possessing the Equipment with Lessee's express or implied consent.

25. **ADDITIONAL TERMS & CONDITIONS:** (Specify "none" if there are no additional provisions)

None. _____

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed the day and year first above written.

LESSOR:

MARTIN COUNTY SANITATION
DISTRICT

(Name)

(Position, if applicable)

LESSEE:

MARTIN COUNTY WATER DISTRICT

(Name)

(Position, if applicable)

This Instrument was prepared by:

Hon. Brian Cumbo
Attorney at Law
P.O. Box 1844
Inez, KY 41224
Phone: 606-298-0428
Facsimile: 606-298-0428
Email: cumbolaw@cumbolaw.com