



## BRIAN CUMBO

ATTORNEY AT LAW

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

ADMITTED IN KY AND WV

January 25, 2021

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 of the information packet for the January 26, 2021 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 monthly Board meeting scheduled for January 26, 2021.

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

**CERTIFICATE OF SERVICE**

This will certify that a true and correct copy of the foregoing was emailed on this the 25 day of January, 2021, to the following:

Public Service Commission  
ATTN: Nancy Vinsel  
P.O. Box 615  
Frankfort, KY 40602  
[nancy.vinsel@ky.gov](mailto:nancy.vinsel@ky.gov)

Hon. Mary Varson Cromer  
Appalachian Citizens' Law Center, Inc.  
317 Main Street  
Whitesburg, KY 41858  
*mary@appalachianlawcenter.org*

  
\_\_\_\_\_  
BRIAN CUMBO

**Martin County Water District**  
**387 E. Main St.**

Phone (606) 298-3885      Inez, Kentucky 41224

**Special Meeting, Tuesday, January 26, 2021 – 6:00 p.m.**

**Martin County Government Center (2<sup>nd</sup> Floor)**

**Online Zoom Platform**

Will Be Streamed on Facebook Live

- 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
  - C. Review and Consideration of Deposit Liability Adjustment
- 4) Review and Consideration to Approve Bills
- 5) Operations
  - A. Alliance Operations Report
  - B. Water Loss Report
  - C. Meter Audit
- 6) Capital Projects Report
  - A. Project Updates
- 7) Other New Business
- 8) Q/A with Customers via Facebook
- 9) 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 22, 2020 Meeting Minutes**

**Presiding:** James Kerr, Chairman  
**Present:** Directors: Greg Crum, John Hensley, Lee Mueller, and BJ Slone  
Staff: Brian Cumbo (Attorney), Craig Miller (GM), James Ford, Cassandra Moore  
**Guests:** Ann Perkins, Steve Boggiano, and Earlena Duncan

The Regular Meeting of the Martin County Water District was held on December 22, 2020 via Zoom in Inez, Kentucky 41224. Mr. Kerr called the meeting to order at 6:06 p.m.

Mr. Kerr called for review of the November 24, 2020, Special Board Meeting. Having no questions or further discussions, Mr. Mueller motioned to accept the November 24, 2020 Special Board Meeting minutes. Mr. Slone seconded. All ayes. Motion carried.

Mr. Kerr requested discussion on the review and consideration of the Financial Reports. Mr. Miller detailed each report as submitted. After further discussion, Mr. Slone motioned to approve the Treasurer's report submitted. Mr. Hensley seconded. All ayes. Motion carried. Other Financials were presented by Mr. Miller. After further discussion, Mr. Slone motioned to approve, Mr. Crum seconded. All ayes. Motion carried. Mr. Miller gave a detailed report for the review and consideration to write off bad debt. After further discussion, Mr. Crum motioned to approve the write off bad debt report. Mr. Slone seconded. All ayes. Motion carried. Mr. Boggiano gave a detailed report on the 2019 and 2020 Audit report.

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

Mr. Kerr called for review of the Operations Report. Mr. Ford provided the Operations report. Mr. Ford reported that the office staff have been working with the Community Assistance Program to help customers get approved for the "Cares" and the "Healthy at Home" programs. To date over 240 customers have been approved for over \$94,000 towards water and sewer bills. Implementation of the Geographic Information System or "GIS" is underway. The first phase of implementation consists of training group leaders who will cascade information to staff members. GIS will provide accurate historical data regarding line breaks, type of pipe, location, size, and date. The water treatment operators noticed a trend in the inability to hold water in our main storage tanks. The leak detection team was dispatched to the suspected area and was successful in locating the leak. A four-foot section of 16" C905 piping was replaced in the main transmission line. Operators communicating with the distribution staff, combined with intelligent leak detection, created a successful outcome.

Mr. Miller presented an update on the meter audit.

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

Mr. Kerr presented an update on capital projects. Lovely project is still on track for competition. Raw water project bids are now being reviewed.

Mr. Kerr inquired if there was any Other New Business to discuss. Mrs. Duncan from The Elite Agency detailed an extended reporting insurance coverage. Needing more information about the policy the board agreed to defer the decision until the next board meeting. Mr. Miller detailed an interest in a smart meter feasibility study application. BlueWater Kentucky proposes MCWD apply for a Federal Rural Development SEARCH Grant for funding a Smart Meter Feasibility Study to evaluate the cost and benefits of implementing a smart metering program to reduce water loss and increase revenue for the District. The Smart Meter Feasibility Study will assist the MCWD Board in determining the economic value and benefits of implementing a Smart Metering Program for the District. Mr. Kerr requested a motion to grant him authorization to sign the application. Mr. Mueller motioned to approve signature authorization. Mr. Crum seconded. All ayes. Motion carried.

Having no further items for discussion, Mr. Kerr requested a motion to adjourn. Mr. Hensley motioned to adjourn the meeting. Mr. Crum seconded. All ayes. Motion carried. Meeting adjourned at 7:26 p.m.

Minutes approved this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

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

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

Audit adjustments from the 2019 audit have been incorporated into this statement. Final verification of the rollforward of each balance is still in process.

**Martin County Water District  
Balance Sheet  
December 31, 2020**

12/31/2020

**ASSETS**

**CURRENT ASSETS**

Checking Account - Operations	\$127,212.21
Revenue Fund-EFT	24,079.13
Cash on Hand	900.00

<b>Total Cash</b>	<b>152,191.34</b>
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Accounts Receivable	396,034.05
Allowance for Doubtful Accts	(20,469.73)
Unbilled Accounts Receivable	115,465.57
Accounts Receivable-Other	52,954.62
Inventory	8,376.76
Prepaid Expenses	10,625.93

<b>Total Current Assets</b>	<b>715,178.54</b>
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**PROPERTY, PLANT & EQUIPMENT**

Land	214,713.83
Water Supply & Distribution System	28,215,020.70
Buildings	500,263.89
Equipment & Furniture	5,678,239.29
Vehicles	344,794.47
Construction Work in Progress	331,041.90
Less: Accumulated Depreciation	(17,340,982.77)

<b>Net Property, Plant &amp; Equipment</b>	<b>17,943,091.31</b>
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**RESTRICTED CASH**

Security Deposits	166,222.52
Grant Fund	93.40
Sinking Fund - RD	4,733.71
Regions Sinking Fund	101,197.20
KIA Sinking Fund	10,666.36
KACO Sinking Fund	9,492.21
Debt Service Surcharge Fund	1,916.72
Management Infrastructure Surcharge Fund	1,000.37
Depreciation Fund	1,021.77
Accrued Interest Receivable	4.00

<b>Total Restricted Cash</b>	<b>296,348.26</b>
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**OTHER ASSETS**

Deferred Outflows of Resources Related to Pensions	286,346.00
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<b>Total Other Assets</b>	<b>286,346.00</b>
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<b>Total Assets</b>	<b>\$19,240,964.11</b>
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**Martin County Water District**  
**Balance Sheet**  
**December 31, 2020**

12/31/2020

**LIABILITIES AND DISTRICT'S EQUITY**

**CURRENT LIABILITIES**

Accounts Payable	\$1,248,974.78
Sales Tax Payable	3,507.30
School Tax Payable	8,849.61
Accrued Wages Payable	(7,909.44)
Accrued Vacation	3,039.99
Accrued Payroll Taxes	7,778.35
Accrued Retirement	(44,569.09)
Accrued 401(k)	60.00
Accrued Health Insurance	2,649.17
Long Term Debt-Current	129,619.70
Accrued Interest Payable	33,891.92
Customer Deposits	156,020.53
<b>Total Current Liabilities</b>	<b><u>1,541,912.82</u></b>

**LONG-TERM DEBT**

Notes Payable - KIA	397,858.09
Lease Payable - KACO	71,221.96
Bonds Payable - 2015 E Current Refunding	1,765,000.00
Bonds Premium-2015E	22,363.00
A/Amort Bond Premium-2015E	(4,234.12)
Less: Current Portion of L-Term Debt	(129,619.70)
Net Pension Liability	1,739,483.00
Other Inflow Resources-Pension	93,003.00
<b>Total Long-Term Debt</b>	<b><u>3,955,075.23</u></b>

**Total Liabilities**

**5,496,988.05**

**DISTRICT'S EQUITY**

Retained Earnings	14,168,809.98
YTD Net Income	(424,833.92)
<b>Total District's Equity</b>	<b><u>13,743,976.06</u></b>

**Total Liabilities and District's Equity**

**\$19,240,964.11**



**Martin County Water District**  
**Statements of Revenues and Expenses**  
**For the Twelve Months Ending December 31, 2020**  
*Actual vs Budget*

<u>December</u>			<u>YTD</u>		<u>Annual Budget</u>
<u>Actual</u>	<u>Budget</u>		<u>Actual</u>	<u>Budget</u>	<u>Budget</u>
		<b>Operating Revenues</b>			
\$152,259	\$148,829	Water Sales-Residential	\$1,838,307	\$1,785,946	\$1,785,946
18,078	32,082	Water Sales-Commercial	287,166	384,979	384,979
4,686	539	Water Sales-Public Authorities	79,307	6,464	6,464
0	12	Bulk Water Sales	35	140	140
2,000	0	Connection Fees - Tap	22,872	0	0
0	0	Late Charge Fees	13,416	0	0
2,094	9,215	Reconnect/Meter Sets/Other Fees	20,144	110,575	110,575
9,050	8,333	Debt Service Surcharge	107,436	100,000	100,000
16,246	15,844	Management Infrastructure Surcharge	193,180	190,129	190,129
9,488	0	Miscellaneous Income	18,611	0	0
<b>213,901</b>	<b>214,854</b>	<b>Total Operating Revenues</b>	<b>2,580,474</b>	<b>2,578,233</b>	<b>2,578,233</b>
		<b>Operating Expenses</b>			
0	0	Employee Benefits	21,367	0	0
0	4,167	Water Purchased	0	50,000	50,000
164,446	164,446	Management & Operations Contract	1,973,347	1,973,346	1,973,346
29,012	25,715	Utilities	320,969	308,584	308,584
2,245	3,958	Insurance	39,792	47,500	47,500
958	0	Repairs & Maintenance	2,700	0	0
0	417	Materials & Supplies	0	5,000	5,000
242	0	Outside Services	6,831	0	0
1,088	2,083	Legal Expenses	8,375	25,000	25,000
0	0	Audit	25,000	30,000	30,000
4,583	0	Bad Debts	55,000	0	0
0	0	Bond Trustee Fees	450	0	0
0	0	Dues	3,700	0	0
102	0	Office Expense	3,339	0	0
824	752	Rent Expense	9,053	9,020	9,020
0	417	Regulatory Assess Fees	5,983	5,000	5,000
0	0	Miscellaneous Expense	1,094	0	0
<b>203,500</b>	<b>201,955</b>	<b>Total Operating Expenses</b>	<b>2,477,000</b>	<b>2,453,450</b>	<b>2,453,450</b>
<b>10,401</b>	<b>12,899</b>	<b>Net Income B/4 Other (Inc) &amp; Exp</b>	<b>103,474</b>	<b>124,783</b>	<b>124,783</b>
		<b>Other Income (Expenses)</b>			
150,566	334,125	Capital Contributions	331,046	4,009,500	4,009,500
9	0	Interest Income	388	0	0
(7,050)	(8,119)	Interest Expense	(85,496)	(97,433)	(97,433)
63	63	Amortization	753	753	753
(64,583)	(64,583)	Depreciation	(775,000)	(775,000)	(775,000)
<b>79,005</b>	<b>261,486</b>	<b>Total Other Income (Expenses)</b>	<b>(528,309)</b>	<b>3,137,820</b>	<b>3,137,820</b>
<b>\$89,406</b>	<b>\$274,385</b>	<b>Net Income(Loss)</b>	<b>(\$424,835)</b>	<b>\$3,262,603</b>	<b>\$3,262,603</b>

Martin County Water District  
Inez, KY

Treasury Report

<b>Billing Charges For the Month of:</b>	<b>Dec-20</b>	
Water Revenue		\$ 152,209.00
Water Revenue-Commercial		18,077.57
Water Revenue-Commercial Exempt		4,685.50
Late Charges		-
Sales Taxes		1,168.43
Debt Service Surcharge		9,049.64
School Tax		5,249.27
Management Infrastructure Surcharge		16,245.94
Returned Check		129.20
Connection Fees		2,000.00
Other Miscellaneous Fees		2,094.27
Deposits Applied		(585.00)
Refund Checks Paid		-
<b>Total Billing Charges</b>		<u><u>\$ 210,323.82</u></u>
<b>Gallons Billed</b>		<u><u>12,219,340</u></u>
<b>Customers Billed</b>		<u><u>3,501</u></u>

<b>Accounts Receivable</b>	<b>Dec-20</b>	
Beginning Balance		434,116.82
Billing Charges		210,323.82
Accounts Receivable Collections		(201,732.28)
<b>End of Month Accounts Receivable</b>		<u><u>442,708.36</u></u>

<b>Operations Account</b>		
Beginning Balance		\$ 43,674.19
Deposits		
Accounts Receivable Collections		201,732.28
Sewer Billing Collections in Water Bank Acct - Due to MCS		
Deposits Received		2,095.00
Transfers from Other District Accts		48,500.00
Excise Refund		1,845.01
Prestonburg Utilities Collections		7,642.55
IPFS Refund		1,168.28
Total Deposits		<u>262,983.12</u>
Disbursements:		
Checks Written		(103,365.49)
Transfers to Other District Accts		(41,409.48)
Auto Drafted Utilities		(34,670.13)
<b>End of Month Balance</b>		<u><u>\$ 127,212.21</u></u>

Martin County Water District  
 Inez, KY  
 Treasury Report  
 Summary of Cash & Investments  
 December 31, 2020

Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 43,674.19	282,742.71	-	(199,204.69)	\$ 127,212.21
Revenue EFT Account	21,609.52	51,097.78	-	(48,628.17)	24,079.13
Cash on Hand	900.00	-	-	-	900.00
<b>Total Unrestricted Cash</b>	<b>66,183.71</b>	<b>333,840.49</b>	<b>-</b>	<b>(247,832.86)</b>	<b>152,191.34</b>
<b>Restricted Cash</b>					
Security Deposits	164,798.22	1,440.00	7.08	(22.78)	166,222.52
ARC Grant	117,224.30	150,566.00	-	(267,696.90)	93.40
Rockhouse Project	4,582.36	10,800.00	-	(10,648.65)	4,733.71
Regions Bank-KY 2015E Martin County	90,547.19	10,648.65	1.36	-	101,197.20
KIA Bond & Interest	10,553.87	5,800.00	0.15	(5,687.66)	10,666.36
KY Assoc of Counties Leasing Trust	8,687.53	1,200.00	0.12	(395.44)	9,492.21
Debt Service Surcharge	6,596.66	7,932.76	0.18	(12,612.88)	1,916.72
Management Infrastructure Surcharge	9,487.06	14,236.72	0.37	(22,723.78)	1,000.37
Depreciation Reserve	1,021.76	-	0.01	-	1,021.77
<b>Total Restricted Cash</b>	<b>413,498.95</b>	<b>202,624.13</b>	<b>9.27</b>	<b>(319,788.09)</b>	<b>296,344.26</b>
<b>Total Cash &amp; Investments</b>	<b>\$ 479,682.66</b>	<b>536,464.62</b>	<b>9.27</b>	<b>(567,620.95)</b>	<b>\$ 448,535.60</b>

NOTE: Revenue EFT Account is being transitioned to re-direct deposits into Operations Account.

**Martin County Water District  
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
Dec-20	176,266	2,424,068	12,219	3,501	201,732
Nov-20	183,638	2,247,802	13,274	3,501	178,105
Oct-20	183,281	2,064,164	13,297	3,496	213,095
Sep-20	181,546	1,880,884	12,276	3,490	188,022
Aug-20	182,051	1,699,338	13,603	3,481	237,043
Jul-20	223,267	1,517,287	18,702	3,463	207,448
Jun-20	372,931	1,294,020	27,388	3,424	195,535
May-20	194,835	921,089	14,811	3,390	221,999
Apr-20	178,101	726,254	12,528	3,370	199,144
Mar-20	170,339	548,153	11,629	3,386	193,963
Feb-20	187,025	377,814	12,846	3,369	207,246
Jan-20	190,788	190,788	14,830	3,388	234,262
Dec-19	180,925	2,257,333	13,238	3,384	225,180

**Notes:**

- 1) June 2020 line above includes usage from 4/20/20-5/20/20 billed around 6/1/20 AND usage from 5/20/20-6/20/20 billed on 6/26/20 (mailed 6/30/20).
- 2) Billed revenue includes water charges billed to residential, commercial, and governmental entities.
- 3) Gallons reported represent billed revenue as stated in Note #2 and excludes sales to City of Presontonburg.
- 4) Payments received is total customer payments posted by the District's billing system (includes sales tax, school tax, and other fees). Pass through items are approximately \$7,000.

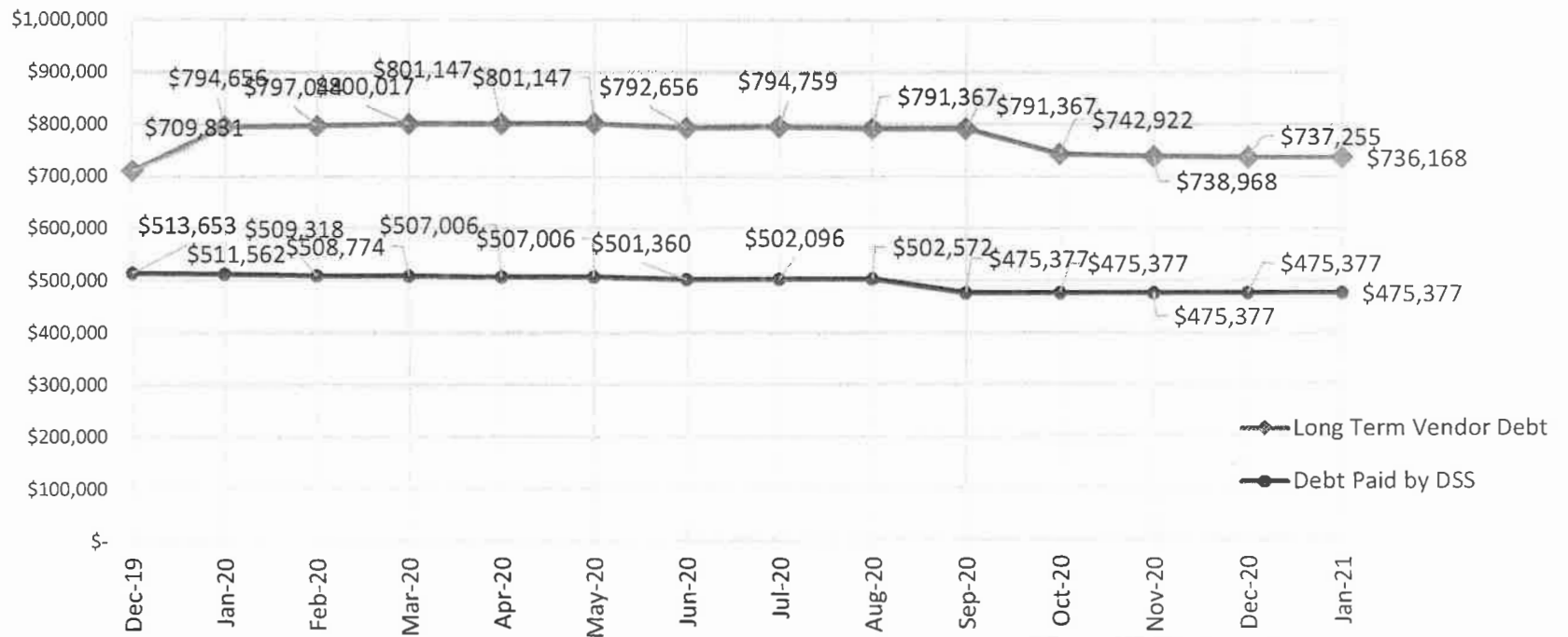
## Martin County Water District

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

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20
<b>REVENUE</b>												
Customer Count	3,388	3,369	3,386	3,370	3,390	3,424	3,463	3,481	3,490	3,496	3,501	3,501
Payments Received	\$234,262	\$207,152	\$195,082	\$199,144	\$221,999	\$195,535	\$207,448	\$237,043	\$188,022	\$213,095	\$178,105	\$201,732
<b>EXPENSES</b>												
Operations Account	\$286,613	\$249,774	\$223,121	\$223,319	\$221,129	\$227,410	\$236,598	\$228,784	\$239,610	\$247,224	\$233,190	\$232,012
Transfers for debt serv funding	\$19,150	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800	\$17,800
Payment Plans	\$6,625	\$6,500	\$6,500	\$5,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DSS EXP/ (FUNDING)	(\$8,978)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
MIS EXP / (FUNDING)												
Sub total	\$303,410	\$274,074	\$247,421	\$246,619	\$238,929	\$245,210	\$254,398	\$246,584	\$257,410	\$265,024	\$250,990	\$249,812
<b>NET INCOME</b>												
Cash Basis	-\$69,148	-\$66,922	-\$52,339	-\$47,475	-\$16,930	-\$49,675	-\$46,950	-\$9,541	-\$69,388	-\$51,929	-\$72,885	-\$48,080

- Notes:**
- 1: **Payments Received** are those received for the full month
  - 2: **Expenses** are those planned and presented in the Board Packet for the referenced month
  - 3: **Payment Plans** are payments towards outstanding debt not funded by DSS *Current balance= \$277,383 (Some fin charges forgiven & Prestonburg City decreased)*
  - 4: **Operations Account includes** the estimated DSS and MIS transfers (See list of Bills in Board Packet)
  - 5: **MIS EXP** estimated funds applied to AWR Invoice (An Operations Account Expense) estimated DSS and MIS transfers
  - 6: MIS fund beginning balance January 2020-of \$12,244 applied to AWR fee in June
  - 7: Balance of debt -payments to be funded with unused DSS= **\$502,572**
  - 8: **Based on the requirements there will be deposits and subsequent withdrawals in DSS/MIS accounts with a likely sum of zero monthly**

## Martin County Water District Outstanding Vendor Debt



1:46 PM

01/08/21

Martin County Water District  
Vendor Balance Summary  
As of December 31, 2020

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	<u>Dec 31, 20</u>
All Pumps Sales & Services	8,411.90
Brian Cumbo	31,034.10
CI Thornburg	36,345.26
CI Thornburg-VFD#1	1,252.28
CI Thornburg-VFD#2	12,071.32
Evans Hardware	30,362.72
Evans Hardware #2	18,820.64
Fast Change	4,155.33
Linda F Sumpter, CPA	151,942.35
Service Pumps & Supply	21,282.99
Soles Electric	13,300.00
United Rentals	56,722.94
Xylem	93,739.10
Zip Zone Express	256,726.95
<b>TOTAL</b>	<b><u>736,167.88</u></b>

January 22<sup>nd</sup>, 2021

TO: Martin County Water District  
Board of Directors

**INFORMATION & DECISION**

FROM: Staff

RE: Customer Deposit Liability

To address Finding #2019-002 Customer Deposit Liability from the 2019 audit, staff recommends the Board approve the adjustment of the District's books for \$81,575.53.

Staff went through all District records available to research, identify, and record customers who have paid customer deposits.

Staff recommends that future customers in the process of moving out who believe they have paid a deposit to the District provide proof of payment. Any customer who cannot provide proof will not receive a refund of their deposit.

If approved, this adjustment will result in the District recognizing miscellaneous income for fiscal year 2020.

If the Board agrees, we are respectfully seeking a motion to approve the adjustment of District's books before it is submitted to the auditors.



**Martin County Water District, Inez KY**  
**List of Bills for Consideration**  
**26-Jan-21**

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
<b>Operations Account</b>		
1 AEP	Electric (26 bills) Estimated	\$ 34,273.51
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,504.04
3 Paintsville Utilities	Electric for token (10/8/20 to 11/8/20) Estimated	\$ 44.77
4 Roy F Collier Comm. Center	Rent (February)	\$ 773.51
6 Martin County Water District	Sanitation January	\$ 131.90
7 Sales tax	12/2020 (estimated)	\$ 1,721.55
8 School tax	12/2020 (estimated)	\$ 5,211.99
9 Alliance Water Resources	2/1/21-2/15/21 O&M services	\$ 82,222.75
10 Alliance Water Resources	2/15/21-2/28/21 O&M services	\$ 82,222.75
11 Alliance Water Resources	1/21 Suddenlink Reimbursement (estimated)	\$ 74.14
12 Alliance Water Resources	1/21 Suddenlink Reimbursement (estimated)	\$ 34.95
13 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 14,236.72
14 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 7,932.76
15 Walker Communications	Phone maintenance (January)	\$ 89.00
17 Cumbo Law Office	Legal Services	\$ 537.50
18 Federal Licensing, Inc.	Two-way Radio Licensing	\$ 95.00
<b>TOTAL</b>		<b>\$ 232,011.84</b>

**The following invoices have already been paid via auto debit or to avoid service interruption(s) and/or late fees.**

2 Zoom	Zoom subscription (January)	\$ 15.89
<b>TOTAL</b>		<b>\$ 15.89</b>

**Operations Account - Debt Service Funding**

		<b>Transfer Amounts</b>
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>\$ 17,800.00</b>

**TOTAL OPERATIONS**

**\$ 249,827.73**

**PAST DUE ACCOUNTS**

(Based on cash availability)

8/31/2020

**Martin County Water District, Inez KY**  
**List of Bills for Consideration**  
**26-Jan-21**

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
1 CI Thornburg VFD # 1	VFD	\$ 1,252.28
2 CI Thornburg VFD # 2	VFD	\$ 12,071.32
3 Xylem	Pump rental	\$ 93,739.10
4 Soles Electric	Pump service	\$ 13,300.00
5 Service Pump & Supply	Pump service	\$ 21,282.99
6 All Pumps Sales & Services	Pump service	\$ 8,411.90
7 Cumbo Law Office	Legal service	\$ 31,034.10
8 Evans Hardware #2	Parts & supplies	\$ 18,820.64
9 Fast Change	Vehicle Maintenance	\$ 4,155.33
10 United Rentals	Pump Rental	\$ 56,722.94
<b>TOTAL</b>		<b>\$ 260,790.60</b>

**DSS Account**

(Based on cash availability)

1 Evans Hardware	Parts & supplies	\$ 30,362.72
2 CI Thornburg	Parts & supplies	\$ 36,345.26
3 Linda Sumpter CPA	Accounting fees	\$ 151,942.35
4 Zip Zone	Fuel	\$ 256,726.95
<b>TOTAL</b>		<b>\$ 475,377.28</b>

**Total Past Due Accounts**

**\$ 736,167.88**

**Martin County Water District, Inez KY**  
**List of Bills for Consideration**  
**26-Jan-21**

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
<b>Security Deposit Account</b>		
<b>Customer</b>		
1 Zachary Carty	Deposit refund due to customer	\$ 0.23
2 Jaryd Crum	Deposit refund due to customer	\$ 60.93
3 Doyle Miller	Deposit refund due to customer	\$ 3.88
4 Robert Murphy	Deposit refund due to customer	\$ 23.33
5 Heather Spence	Deposit refund due to customer	\$ 40.12
<b>TOTAL</b>		<b>\$ 128.49</b>

**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 2020**

**Administrative**

Billing staff are still working diligently with customers to make payment arrangements on overdue bills. The goal is to keep as many customers off the shut-off list as possible.

During the recent Covid spike in December, we temporarily closed the billing office doors to customers. The billing office is now open to customers.

**Water Treatment**

New SCADA (Supervisory Control and Data Acquisition) equipment has been installed at the "high school" tank. Continued improvements to the SCADA network help to give our water operators greater control of the distribution system.

Our team of operators came through admirably by taking on more hours while another operator successfully recovered from Covid.

**Distribution: Problem Solving**

Several Customers stated a loss of pressure in the coldwater service area.

Our leak detection team was having trouble finding the problem.

Our team came together and determined the root cause was too few valves in the distribution system. Because of great distances between existing valves, it was difficult to accurately pinpoint the leak in a timely manner.

**Solution:**

A quantity of three, two-inch valves were installed in the system to make isolation and detection more effective.

A leak was identified and repaired. Desirable service was restored.


  
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**Martin County Water District**

**Customer Service**

Several customers thanked our staff members for working through the holiday weekend. It means a lot to our employees when community members notice their efforts.

**Project Updates**

<b>SOURCE</b>	<b>AMOUNT</b>	<b>PROJECTS</b>
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
<b>Total Grant</b>	<b>\$8,519,718</b>	

**Safety**

December's meeting was on hazard communication. The safety meeting for January is on personal protective equipment, or PPE.

**Regulatory**

The Martin County Water Treatment Plant continues to operate within compliance of all state regulatory agencies.

**Training**

Our leak detection team is training other distribution staff members on how to accurately use the flow meter for troubleshooting.

**Water Plant Operation**

<b>Water Pumped - December</b>	
Total Water Production (gallons)	53,098,000
Total Water Metered/Billed (gallons)	14,669,000
Other Water Used (gallons)	987,000
Total Water Loss (gallons)	37,442,000
Portion of TWL due to Main Breaks (gallons)	3,417,041
Average Daily Flow (Million Gallons per Day)	1.790 MGD
Maximum Daily Flow	1.891 MGD
Fluoride Used (lbs.)	511.6 LBS
Chlorine Used (lbs.)	1,345 LBS
Lab Tests	3,625 TESTS


  
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## Martin County Water District

### Water Quality Analysis

Test	Routine	Special	Repeat
Bacteriological	12 (Pass)	9 (Pass)	0
		<b>Reported</b>	<b>Minimum Limit</b>
Fluoride Plant Sample	31	0.76 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	35	<b>Low Readings</b> Total - 0.61 mg/L Free - 0.52 mg/L	0.2 mg/l

### Customer Service Request and Work Orders

Meter Reads	3449
Meter Sets	12
Turn offs-Close account	12
Taps	0
Meter Changes	8
Disconnects for Non-payment	0
Boil Notices	3
Line Locates	62
Water Leaks/Breaks	28
Other/Investigates	115

### Water Main Breaks & Service Lines

Date	Location	Pipe Size/Type	Estimated Water Loss (gallons)
12-2-20	20 Lee's Way	¾" SVS	77,901
12-2-20	The Clearwells	16" C905	315,122
12-7-20	Little Peter Cave	4" PVC	230,400
12-7-20	56 Hale Ave	2" PVC	194,400
12-7-20	123 Groundhog Hollow	¾" SVS	74,276
12-09-20	2934 Tug River Road	¾" SVS	122,050
12-10-20	246 Little Lick Road	4" PVC	111,414
12-11-20	5659 Hode Road	¾" SVS	77,901
12-14-20	9201 Meathouse Road	¾" SVS	74,276
12-17-20	57 Locust Street	4" PVC	74,276
12-18-20	44 Jean Copeland Lane	¾" SVS	140,928
12-21-20	1034 South Milo Road	¾" SVS	175,768
12-22-20	78 Newberry Lane	4" PVC	921,600
12-22-20	531 Saltwell Road	¾" SVS	105,696
12-26-20	1017 Little Peter Cave	6" PVC	70,464
12-28-20	840 Collins Creek	¾" SVS	77,901
12-29-20	7769 Riverfront Road	¾" SVS	148,551
12-30-20	Tug River Road	6" PVC	122,050
12-30-20	109 Hode Road	¾" SVS	162,730
12-31-20	2743 Riverfront Road	2" PVC	86,302

### Repair Expenses Ending November 2020

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$3,474	\$7,000	50%
Vehicle Maintenance	\$15,939	\$20,000	80%
Water Plant Maintenance	\$11,992	\$0	0%
Well Maintenance	\$427	\$20,000	2%
Distribution System Maintenance	\$80,396	\$60,000	134%
Water Meter Maintenance	\$6,231	\$10,000	62%
Street Maintenance	\$3,166	\$8,000	40%
<b>Totals</b>	<b>\$121,625</b>	<b>\$125,000</b>	<b>97%</b>

### Chemical Expenses Ending November 2020

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Hydroxide	\$6,736	\$0	0%
Lime/Caustic Soda	\$75	\$0	0%
Polymer	\$12,639	\$0	0%
Alum	\$27,010	\$0	0%
Chlorine	\$18,564	\$25,000	74%
Permanganate	\$14,755	\$0	0%
Fluoride	\$6,938	\$0	0%
Chemicals Other - Water	\$20,039	\$85,000	24%
<b>Totals</b>	<b>\$106,756</b>	<b>\$110,000</b>	<b>97%</b>



  
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**Martin County Water District**

Notes:

- 1) Building & Grounds Maintenance
  - a. \$42.36 – R&J Building Supply
  
- 2) Vehicle Maintenance
  - a. \$59.73 – Advanced Auto (credit)
  - b. \$63.57 – Advanced Auto (credit)
  - c. \$4.00 – Advanced Auto (credit)
  - d. \$23.31 – Advanced Auto
  - e. \$13.57 – Hutch Chrysler Dodge
  - f. \$55.10 – Advanced Auto
  - g. \$13.57 – Hutch Chrysler Dodge
  - h. \$56.17 – Advanced Auto
  - i. \$45.57 – Advanced Auto
  - j. \$47.68 – Fast Change
  - k. \$284.87 – Advanced Auto
  - l. \$152.63 – Advanced Auto
  - m. \$318.54 – Jarrett’s Garage
  - n. \$59.93 – Advanced Auto
  - o. \$21.05 – Advanced Auto
  - p. \$9.53 – Advanced Auto
  - q. \$45.00 – Fast Change
  - r. \$63.57 – Advanced Auto
  - s. \$63.57 – Advanced Auto
  
- 3) Water Plant Maintenance
  - a. \$79.49 – R&J Building Supply
  
- 4) Well Maintenance
  - a. \$0.00
  
- 5) Distribution System Maintenance
  - a. \$337.06 – R&J Building Supply
  - b. \$453.14 – East Kentucky Stone
  - c. \$464.87 – East Kentucky Stone
  
- 6) Meter Maintenance
  - a. \$0.00
  
- 7) Street Maintenance
  - a. \$449.99 – East Kentucky Stone
  - b. \$1,313.03 – East Kentucky Stone

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- 8) Sodium Hydroxide
  - a. \$0.00
  
- 9) Lime/Caustic Soda
  - b. \$0.00
  
- 10) Polymer
  - a. \$1,057.65 – CITCO Water
  
- 11) Alum
  - a. \$0.00
  
- 12) Chlorine
  - a. \$501.85 – CITCO Water
  
- 13) Permanganate
  - a. \$0.00
  
- 14) Fluoride
  - a. \$0.00
  
- 15) Chemicals Other – Water
  - a. \$1,648.79 – CITCO Water

# PUBLIC SERVICE COMMISSION

## Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: December Year: 2020

LINE #	ITEM	GALLONS (Omit 000's)
1	<b>WATER PRODUCED AND PURCHASED</b>	
2	Water Produced	53,098
3	Water Purchased	
4	<b>TOTAL PRODUCED AND PURCHASED</b>	<b>53,098</b>
5		
6	<b>WATER SALES</b>	
7	Residential	10,750
8	Commercial	1,469
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	2,450
13	Other Sales (explain)	
14	<b>TOTAL WATER SALES</b>	<b>14,669</b>
15		
16	<b>OTHER WATER USED</b>	
17	Utility and/or Water Treatment Plant	987
18	Wastewater Plant	
19	System Flushing	
20	Fire Department	
21	Other Usage (explain)	
22	<b>TOTAL OTHER WATER USED</b>	<b>987</b>
23		
24	<b>WATER LOSS</b>	
25	Tank Overflows	
26	Line Breaks	23,719
27	Line Leaks	13,723
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	<b>TOTAL WATER LOSS</b>	<b>37,442</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)	70.51%

INITIAL ROUND	23-Jan-20	CNL	NEG READS	RRW/WMN	TOW	TOTAL
Total	3398	193	313	145	6	651
		5.68%	9.21%	4.27%	0.18%	19.16%
JAN FINAL NUMBERS	3402	35	292	0	5	332
		1.03%	8.58%	0.00%	0.15%	9.76%
FEB FINAL NUMBERS	3403	25	17	49	4	95
		0.06%	0.50%	1.44%	0.03%	2.79%
MAR FINAL NUMBERS	3388	2	28	0	1	31
		0.06%	0.83%	0.00%	0.03%	0.91%
APR FINAL NUMBERS	3416	1	17	0	1	20
		0.03%	0.50%	0.00%	0.03%	0.59%
MAY FINAL NUMBERS	3411	2	17	0	5	24
		0.06%	0.50%	0.00%	0.15%	0.70%
JUN FINAL NUMBERS	3442	2	18	0	1	21
		0.06%	0.52%	0.00%	0.03%	0.61%
JUL FINAL NUMBERS	3454	5	27	0	15	47
		0.14%	0.78%	0.00%	0.43%	1.36%
AUG FINAL NUMBERS	3481	3	34	0	9	46
		0.09%	0.98%	0.00%	0.26%	1.33%
SEPT FINAL NUMBERS	3484	5	31	0	6	42
		3.21%	0.50%	0.00%	3.85%	1.21%
OCT FINAL NUMBERS	3460	1	13	0	2	16
		0.50%	8.33%	0.00%	1.28%	0.46%

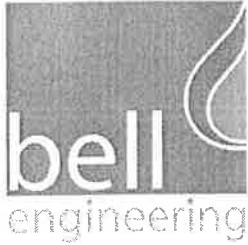
<b>NOV FINAL NUMBERS</b>	<b>3460</b>	<b>2</b>	<b>28</b>	<b>0</b>	<b>2</b>	<b>32</b>
		<b>0.50%</b>	<b>17.95%</b>	<b>0.00%</b>	<b>1.28%</b>	<b>0.46%</b>

UPDATE PRIOR TO	29-Dec-20	MCW DIV 07 METER AUDIT NUMBERS				
BOOK #	TOTAL	CNL	NEG READS	RRW/WMN	TOW	TOTAL
1	58	0	0	0	0	0
2	291	0	4	0	0	4
3	63	0	0	0	0	0
4	260	0	1	0	0	1
5	175	1	2	0	0	3
6	406	0	2	0	0	2
7	423	0	4	0	0	4
8	500	0	9	0	0	9
9	74	0	1	0	0	1
10	229	0	5	0	0	5
11	70	1	0	0	0	1
12	71	0	0	0	0	0
13	105	0	2	0	0	2
14	234	0	0	0	0	0
15	99	0	3	0	0	3
16	161	0	3	0	0	3
17	74	0	2	0	0	2
18	156	0	3	0	0	3
19		0	0	0	0	0
20		0	0	0	0	0
<b>Total</b>	<b>3449</b>	<b>2</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>43</b>
		<b>0.06%</b>	<b>0.50%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>1.25%</b>

DIFF	51	-191	-272	-145	-6	-608
		5.62%	8.71%	4.27%	0.18%	17.91%



*CNL = Can Not Locate*  
*Neg Reads = Reading this round less than entered in December*  
*RRW/WMN = Reread (Water)/ Wrong Meter Number*



MEETING MINUTES  
 ENGINEERING DESIGN - PROGRESS MTG #19  
 MARTIN COUNTY WATER DISTRICT  
 MARTIN COUNTY, KENTUCKY  
 January 13, 2021

LOCATION: Via ZOOM  
 TIME: 3:00 PM  
 Present: Ben Hale, Monica Spriggs, Jimmy Kerr, Craig Miller, Mary Cromer, Justin Adams, Nina McCoy, Samantha Johnson, Jim Cable, Stephen Caudill

**SUMMARY OF PROJECT FUNDING:**

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

**A. CONTRACT 113-19-01**

**RAW WATER INTAKE IMPROVEMENTS (PUMP PURCHASE ONLY)**

1. AML provided clearance to advertise for bids on June 13, 2019.
2. Bids were opened at BSADD at 11:00 AM Wednesday July 3, 2019. Xylem Dewatering Solutions was the only bid received in the amount of \$470,286.07, compared to Bell's opinion of cost of \$500,000.00.
3. Bell made recommendation to award to BSADD and they along with MCWD agreed to accept the bid.
4. On July 29, 2019 Bell received the AML Contractor/Subcontractor Information, Campaign Finance Law Compliance and Affidavit for Bidders Forms from Xylem. These were forwarded to AML.
5. On August 9, 2019 AML advised Xylem had cleared the AVS check and the contract could be signed. Contract documents were forwarded to Xylem.
6. Contract documents were executed by both Xylem and the BSADD. A Notice to Proceed was issued to Xylem after the contracts were executed.
7. The 2 MG pump, 4 MG pump, 2MG variable speed drive, 4 MG variable speed drive and the river screen are complete.
8. MCWD is currently using the new 2 MG pump. The 4 MG pump will be placed into service upon the completion of Contract 113-19-02.

**B. 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 have been 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. A copy of the attendance roster and minutes from the meeting are attached as Exhibit 1.

17. Bids for the project were received on December 15, 2020 at 1:00 p.m. Only one bid was received (submitted by Pace Contracting). A copy of the bid tabulation is attached as Exhibit 2.
18. Key bid information:
  - Construction Budget: \$2,477,850.00
  - As-Bid Base Price: \$3,396,220.00
  - As-Bid Base + Additive Alternates Price: \$3,550,567.00
  - Funding Shortfall (Base+Add Alternates+Contingency): \$1,179,989.00
19. Bids expire March 14, 2021.
20. A representative of AML indicated there was no additional AML funding available for the project and that options should be investigated to construct the portions of the project most important to the District. Jimmy Kerr, Craig Miller and Stephen Caudill agreed to meet and review the options.

**C. 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 has 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. A copy of the attendance roster and minutes from the meeting are attached as Exhibit 3.
16. Bids for the project were received on December 15, 2020 at 11:00 a.m. Five bids were received. A copy of the bid tabulation is attached as Exhibit 4.
17. Key bid information:
  - Construction Budget: \$992,000.00
  - As-Bid Base Price: \$810,444.00
  - As-Bid Base + Additive Alternates Price: \$1,260,210.00
  - Funding Shortfall (Base+Add Alternates+Contingency): \$295,031.00
18. Bids expire March 14, 2021.
19. A representative of AML indicated there was no additional AML funding available for the project and that options should be investigated to construct the portions of the project most important to the District. Jimmy Kerr, Craig Miller and Stephen Caudill agreed to meet and review the options.

*Total Funding Shortfall for WTP, RWI & Lines: \$1,475,020.00*

#### **D. 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.

**E. COE 531 AGREEMENT**

1. Bell provided a Scope of Work to the COE on May 15, 2019.
2. Bell and COE agreed on an O&M cost of \$250,000.
3. COE asked for a PER with Alternative Analysis. Bell is modified the original PER to incorporate the COE funding. COE dollars will not be utilized for the 10-Yr CIP or RWI pump purchase. The requested Alternative Analysis was provided to COE on July 10, 2019.
4. The Project Partnering Agreement (PPA). This agreement was executed on September 13, 2019.
5. Funds from the COE are being utilized for the RWI, WTP and Line Improvements (Items B & C).

F. 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. The Notice to Proceed was issued at the conclusion of the preconstruction meeting advising the contractor the contract time will begin on September 21, 2020. The substantial completion date for the project is February 18, 2021 with final completion being March 20, 2021. Construction in the area bid is on-going.
13. Design of the additional mainline, service line and meters approved by ARC must be approved by DOW and KYTC prior to their construction. Project plans are complete. Plans were submitted to the Kentucky Transportation Cabinet on October 6, 2020. Approval was granted by KYTC on November 6, 2020. Plans and specifications were submitted to the Kentucky Division of Water on October 8, 2020. We are awaiting approval although it is expected any day now.

**G. CONTRACT 695-19-01**

**HIGH SCHOOL WATER STORAGE TANK & BOOSTER PUMP STATION  
TELEMETRY**

1. Bell received the signed contract on August 14, 2019.
2. The project was advertised for bids on August 21, 2019 and was advertised a second time on September 11, 2019.
3. Bids for the project were opened September 26, 2019 @ 5:00 p.m. at the offices of the Martin County Fiscal Court.
4. The low (and only) bid was submitted by Micro-Comm. The base bid submitted was in the amount of \$48,921.00 and included the installation of an electrically powered telemetry unit at the pumping station and a solar powered unit at the tank site. A deductive alternate of \$5,400.00 was offered if the Fiscal Court ran electric to the tank site and Micro-Comm could also use an electrically powered unit at this location. Cost would then be \$43,521.00.
5. Bell provided a letter of recommendation to the Martin County Fiscal Court concerning the award of the project to Micro-Comm.
6. Martin County Fiscal Court has awarded the project to the low bidder.
7. Contract documents have been executed by both the Contractor and Fiscal Court. The executed documents were received from the Fiscal Court on Friday, February 28, 2020. They were forwarded to the contractor along with the Notice to Proceed with construction on March 3, 2020.
8. Information from the Contractor concerning the FCC licensing process was received.
9. The Contractor has submitted shop drawings of the equipment to be used as part of the project. Bell Engineering has reviewed the equipment for conformance with the contract requirements and returned to the Contractor.
10. The transducer tap at the tank site has been completed. The telemetry is ready for startup.

**H. WASTEWATER TREATMENT PLANT/COLLECTION SYSTEM REVIEW**

1. Bell and MCWD personnel reviewed the Inez and Warfield WWTPs.
2. Proposed work at the Inez facility includes: a redundant oxidation ditch, septage receiving station, belt filter press, solids processing building, sludge hauling equipment, influent flow meter, yard piping, upgraded electrical, sludge storage and drainage pad, replacement of the influent pumping station, clarifier rehabilitation of unit that is out of service, existing oxidation ditch metal work, covers for the aerators/gearboxes for existing oxidation ditch, entry road repairs, rehabilitating two system pumping stations, replacing floats/adding transducers at the two stations, replacing ten grinder pumps and rehabilitating the inoperable plant generator. OPPC: \$4,836,550.
3. Proposed work at the Warfield facility includes a septage receiving station, mechanical screen for trash, demolition of the Dempsey WWTP,

rehabilitating two system pumping stations, replacing floats/adding transducers at the two stations and replacing ten grinder pumps. OPCC \$1,138,563.

4. A RFQ for engineering services was published requiring a submission by interested firms by October 5, 2019. The RFQ was in conformance with EDA requirements so that EDA funding may be sought for the project.
5. Bell Engineering was selected to provide engineering services for the project at a previous MCUD meeting.
7. A meeting was held with a representative of the Economic Development Administration (EDA) to discuss the project.
8. A conference call was held on July 7, 2020 to discuss the plant and its needs. Since Alliance Water Resources has been operating the Inez Wastewater Treatment Plant for several months, the scope of work originally outlined for the facility was reviewed to determine if modifications should be made.
9. A Kentucky Division of Abandoned Mine Lands Economic and Community Development Pilot Program 2020 Application in the amount of \$4,000,000 for improvements to the Wastewater Treatment at Inez was submitted at the end of July. AML has notified the District that the proposed project was not selected for funding.

#### **I. 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 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. Due to issues with utilizing AML Pilot funds on this tank site, a new site is being sought. Multiple sites are being reviewed.

**J. CONTRACT 113-20-01**

**WATER LINE RELOCATION WILLIS DIALS/DAN'S BRANCH ROAD**

1. Met on-site with Bizzack Construction, Alliance Water Resources and representatives of other utilities on May 28, 2020.
2. Plans and specifications were prepared.
3. At the request of Bizzack Construction, the project was forwarded to a utility contractor (Akins Excavation) for pricing.
4. Pricing and plans were forwarded to Bizzack Construction for approval by KYTC.
5. The project was approved for construction by the Kentucky Division of Water.
6. Bell Engineering staked the proposed waterline alignment on Thursday, September 17, 2020.
7. Akins Excavating relocated the waterline.
8. The new line was pressure tested, disinfected and samples were taken. The line was then placed in service.

**K. CONTRACT 113-20-02 and 113-20-03**

**WATER LINE RELOCATION HUNTER'S LANE AND ROCKHOUSE CREEK**

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 these projects is being developed.
3. Projects are currently scheduled by KYTC and Bizzack Construction for Summer 2021.

*Progress Meeting #20 will be held February 10, 2021 at 11:00 AM. The meeting will be hosted by the EEC.*