



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

August 22, 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 August 22, 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 Board meeting scheduled for August 22, 2023.


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

CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 22nd day of August, 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, August 22, 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
 - B. 5 Year CIP
- 8) Other Old Business
- 9) Other New Business
- 10) Consider Motion to Convene into Closed Executive Session
- 11) Consider Motion to Close Executive Session
- 12) Introduction of Guest-Five (5) Minute Maximum
- 13) Adjourn

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

**Martin County Water District
Regular Meeting of the Board of Directors
July 25, 2023, Meeting Minutes**

Presiding: James Kerr, Chairman
Present: Directors: Greg Crum, Nina McCoy, John Hensley
Staff: Brian Cumbo (Attorney), Craig Miller (GM), Tyler Hall, (LM),
Cassandra Moore
Guests: Tony Sneed

The Regular Meeting of the Martin County Water District was held on July 25, 2023, 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 June 22, 2023, Regular Board Meeting minutes.

- Mr. Hensley motioned to accept the June 22, 2023 minutes
- Mrs. McCoy seconded
- All ayes
- Motion carried

Mr. Kerr requested discussion of the review and consideration of the Financial Reports.

- Mr. Miller detailed each report as submitted
- Mr. Crum motioned to approve the Treasurer's report submitted
- Mr. Hensley seconded
- All ayes
- Motion carried
- Mr. Miller presented Other Financials
- Mrs. McCoy motioned to approve Other Financials
- Mr. Crum seconded
- All ayes
- Motion carried
- Mr. Sneed presented the Board with the 2024 Budget
- Mr. Hensley motioned to approve the 2024 Budget submitted
- Mrs. McCoy seconded
- All ayes
- Motion carried
- Mr. Sneed presented the 2024 MOA
- Mr. Hensley motioned to approve the 2024 MOA submitted

- Mr. Crum seconded
- All ayes
- Motion carried

Mr. Kerr called for review and consideration to Approve Bills.

- Mr. Crum motioned to approve the List of Bills
- Mr. Hensley seconded
- All ayes
- Motion carried

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

- No legal issues to discuss this meeting

Mr. Kerr called for review of the Operations Report.

- The LIHWAP program started today 07/25/2023. Any customer that needs assistance needs to reach out to the BSACAP office
- The High Service Pump #1 in the water plant has been discussed a little, but never discussed in detail. Mr. Miller explained the VFD for the High Service Pump #1 failed in about May 2018. That pump, which is one of two in the water plant that pumps water to our clear wells, has not operated since then. As of today, it is in operation with the pump going strong all day long. The VFD has been installed and it's pumping. The pump can be run on "hand" setting, but not remotely through SCADA. DEQ plans to implement SCADA controls on the pup and VFD the first week of August
- The District is still utilizing the diesel-powered Raw Water Intake Pump. It has been costly on the fuel side. Spoke with Bell Engineering in regard to the small pump VFD and they believe they have an approval from AML to pay to replace the small VFD
- Received results of the first set of UCMR 5 samples taken in February 2023. All 26 parameters monitored, tested below the EPA's maximum recommended level and were acceptable
- WTP Operator Garrett McKinney passed his Surface Water Treatment II license exam
- Pulled Davella BPS pump 1 motor to be sent for repairs. The following week, the rebuilt pump along with new pump-shaft packing was installed and the pumping schedule to the Airport tank was resumed.
- Three employees were hired to fill open positions within the distribution crew
- Tyler Hall attended a two-day supervisor skills training hosted by Alliance Water Resources

- Nina McCoy stated she had a question. "What's the situation with the big pump for the intake?"
- Mr. Miller advised the situation is that the pump is still at Xylem. We haven't decided if we are going to pay for it. Were still in discussion with legal in regard to how we're going to handle the situation. Whether we're going to pay them to fix it and then deal with the financial side after the fact or if we're going to wait until we follow through with litigation or however it goes.
- Nina asked, "this is the one they dropped?"
- Mr. Miller advised, "this is the first thing that went wrong with it, yes. The second time it just failed for whatever reason."
- Nina asked, "with the small pump you might be able to use AML money?"
- Mr. Miller advised, "it sounds more than likely we will be approved with AML money to pay for the VFD for the small pump replaced."
- Nina McCoy stated, "the AML out of that particular grant?"
- Mr. Miller advised, "he believed so."
- Nina McCoy asked, "what about the thing that's suppose to pull it out of the flood plain?"
- Mr. Miller advised, "Pace contracting has the designs for the cart. There were some design questions in regard to where they were going to put the hitch on one part of it. It's an interesting design and mock-up. I believe they've got through all of that and it's now in construction, or I'm hopeful anyway."
- Nina McCoy stated, "cause you know the thing about it is that the reservoir is, it may be enough that we are getting water but huh that is also a source of fishing. It's a source of, it's a healthy water system if its full and if not it's a problem. So, like, fish and wildlife can't stock it now cause it's low, so that's something we need to think about is the reservoir. My husband's dad was the game warden and that was a big deal for them to have the reservoir. Huh, so that's so yea. And what about the tank maintenance? That was something that was asked about at the Friday meeting. So, are we doing a tank maintenance plan yet?"
- Mr. Miller answered, "we haven't started an actual maintenance plan because the actual maintenance is significantly more expensive than the inspection. So, we have a quote and scope for the repair of the Turkey tank and it's in your CIP plan. That's one that we actually have out that we're seeking funding for."
- Mr. Kerr stated, "actually Craig and I put together something for Senator McCool and he went and presented it this last session. Got some positive feedback. Craig did an excellent job writing it up as far as what we needed and why we needed it. Mr. McCool contacted me and was very positive about we had been told, but he hadn't heard anything about it since then. We put Turkey Tank, meters, Old Rt. 3, and Blacklog. We identified what we felt were the most important.
- Nina McCoy stated, "I guess he explained to you that the state has put some money."
- Mr. Kerr advised, "yes, he's actually going after it and is dealing with the person that directly does the budget for the state. That was the last conversation we had. Craig and I put that together. That was the feed-back we got from this, said they normally don't get something like this so they're going to try to hopefully fund that out of the budget. Fingers crossed so we'll see."

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

- Water loss was reported at **62.13%** for the month of June 2023
- We hit a twenty-three-year record low, with water produced at 41,875,000 gallons

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

- Mr. Hensley motioned to approve the July Leak Adjustments
- Mrs. McCoy seconded
- All ayes
- Motion carried

Mr. Miller presented the Board with the Federal Compliance Reports

- Mr. Miller presented the Board with the 3rd quarter 2023 State and Federal Compliance Reports

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

- Mr. Miller mentioned the project with the clarifier. They believe they will be able to finalize the clarifier this next month. They have a new plan they believe is going to work. They are going to fix the leak in the clarifier as well as tie in the generator. We're working on things on our end so they can get the building at the Raw Water Intake completed and then it's going to be down to getting the cart and the pumps
- The money for the 292 telemetry project that's freed up is ready to go to bid
- The Otto Brown project design is almost complete
- The Warfield line project is designed, and all laid out. It's ready to go to bid as well

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

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

- Staff presented the Board with a memo for the Martin County Water Treatment Plant Decant Pit-Hydro Vac Truck
- Mr. Kerr read the presented memo, "Due to constant issue with the sludge hauling truck, WTP staff has been unable to remove sludge consistently and efficiently from the WTP decant pit. With rehabilitation of Clarifier 3 pending, it is crucial that excess sludge is removed from the pit to hold the contents of Clarifier 3 when the unit is drained for repairs. Each quote reflects a 10-hour day on site and drive time to and from the water treatment plant. Each vendor is open to quoting an additional day if needed, but it is believed that one day will be sufficient for sludge removal. Request for quotes were sent to and returned by the following: Badger Daylighting with a cost of \$3,744, Southeastern Environmental Services with a cost of \$6,970

and Alderman's with a cost of \$6,000. If the Board agrees, Staff recommends using Badger Daylighting to perform sludge removal from the decant pit.

- Mr. Hensley motioned to approve the quote from Badger Daylighting for a cost of \$3,744
- Mr. Crum seconded
- All ayes
- Motion carried

Executive session not required.

Mr. Kerr inquired if there were any quest requesting to speak.

Mr. Kerr requested a motion to adjourn.

- Mr. Hensley motioned to adjourn meeting at 6:38 p.m.
- Mr. Crum seconded
- All ayes
- Motion Carried

Minutes approved this _____ day of _____, 2023.

James Kerr, Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheet
July 31, 2023

7/31/23

ASSETS

CURRENT ASSETS

| | | |
|--|----|-------------------|
| Checking Account - Operations | \$ | (3,873.03) |
| Revenue Fund - EFT | | 5,712.38 |
| Debt Service Surcharge Fund | | 51,083.99 |
| Management Infrastructure Surcharge Fund | | 1,000.12 |
| Security Deposits | | 95,749.89 |
| Cash on Hand | | 900.00 |
| Total Cash | | 150,573.35 |
| Accounts Receivable | | 354,236.63 |
| Allowance for Doubtful Accounts | | (59,617.86) |
| Unbilled Accounts Receivable | | 80,438.00 |
| Inventory | | 2,948.14 |
| Prepaid Expenses | | 7,268.17 |
| Total Current Assets | | 535,846.43 |

PROPERTY, PLANT, & EQUIPMENT

| | | |
|---|--|----------------------|
| Land | | 214,713.83 |
| Water Supply & Distribution System | | 28,446,318.55 |
| Buildings | | 500,263.89 |
| Equipment & Furniture | | 6,342,698.35 |
| Vehicles | | 69,420.45 |
| Leased Assets | | 33,934.71 |
| Less: Accumulated Amortization - ROU leased asset | | (14,994.42) |
| Less: Accumulated Depreciation | | (18,864,283.40) |
| Net Property, Plant, & Equipment | | 16,728,071.96 |

RESTRICTED CASH

| | | |
|----------------------------------|--|------------------|
| Grant Fund | | 63.07 |
| Sinking Fund - RD | | 5,875.76 |
| Regions Sinking Fund | | 52,572.94 |
| KIA Sinking Fund | | 6,544.93 |
| KACO Sinking Fund | | 4,085.73 |
| Depreciation Fund | | 1,022.38 |
| Cost of Issuance Fund 2022 | | 2,098.00 |
| Certificate Fund - 2022 Debt Svc | | 19,775.47 |
| Revenue Fund - 2022 | | 3,471.41 |
| Accrued Interest Receivable | | 336.00 |
| Total Restricted Cash | | 95,845.69 |

| | | |
|---------------------|-----------|----------------------|
| Total Assets | \$ | 17,359,764.08 |
|---------------------|-----------|----------------------|

Martin County Water District
Balance Sheet
July 31, 2023

| |
|---------|
| 7/31/23 |
|---------|

LIABILITIES AND DISTRICT'S EQUITY

CURRENT LIABILITIES

| | | |
|----------------------------------|----|-------------------|
| Accounts Payable | \$ | 47,311.75 |
| Sales Tax Payable | | 2,328.54 |
| School Tax Payable | | 6,646.16 |
| Long Term Debt-Current | | 54,845.14 |
| Accrued Interest Payable | | 4,403.73 |
| Customer Deposits | | 94,525.58 |
| Total Current Liabilities | | 210,060.90 |

LONG-TERM DEBT

| | |
|--|---------------------|
| Lease Liability - Rent | 19,939.88 |
| Note Payable - KIA | 248,943.98 |
| Lease Payable - KACO | 26,221.96 |
| Bonds Payable - 2015 E Current Refunding | 1,585,000.00 |
| Bonds Premium - 2015 E, Net of A/Amort | 16,167.87 |
| Bonds Payable - 2022 B | 1,110,000.00 |
| Bonds Premium - 2022 B, Net of A/Amort | 1,975.89 |
| Less Current Portion of L-Term Debt | (54,845.14) |
| Other Inflow Resources - Pension | 372,879.00 |
| Total Long-Term Debt | 3,326,283.44 |

| | |
|--------------------------|---------------------|
| Total Liabilities | 3,536,344.34 |
|--------------------------|---------------------|

DISTRICT'S EQUITY

| | |
|--------------------------------|----------------------|
| Retained Earnings (Deficit) | 14,091,210.57 |
| YTD Net Income | (267,790.83) |
| Total District's Equity | 13,823,419.74 |

| | |
|--|-------------------------|
| Total Liabilities and District's Equity | \$ 17,359,764.08 |
|--|-------------------------|

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

| <u>July, 2023</u> | | | <u>YTD</u> | | <u>Annual</u> |
|--------------------|--------------------|---|---------------------|---------------------|---------------------|
| <u>Actual</u> | <u>Budget</u> | | <u>Actual</u> | <u>Budget</u> | <u>Budget</u> |
| | | Operating Revenues | | | |
| \$ 182,219 | \$ 175,833 | Water Sales - Residential | \$ 1,236,981 | \$ 1,230,831 | \$ 2,110,000 |
| 28,650 | 29,167 | Water Sales - Commercial | 204,175 | 204,169 | 350,000 |
| 15,057 | 10,000 | Water Sales - Public Authorities | 87,554 | 70,000 | 120,000 |
| - | 4 | Bulk Water Sales | 289 | 28 | 50 |
| 4,544 | 2,437 | Connection Fees - Tap | 15,619 | 17,059 | 29,246 |
| 6,641 | 4,583 | Late Charge Fees | 41,675 | 32,081 | 55,000 |
| 2,567 | 2,650 | Reconnect/Meter Sets/Other Fees | 14,206 | 18,550 | 31,801 |
| 8,724 | 8,917 | Debt Service Surcharge | 61,104 | 62,419 | 107,000 |
| 15,657 | 15,839 | Management Infrastructure Surcharge | 109,671 | 110,873 | 190,070 |
| 200 | - | Miscellaneous Income | 200 | - | - |
| <u>264,259</u> | <u>249,430</u> | Total Operating Revenues | <u>1,771,472</u> | <u>1,746,010</u> | <u>2,993,167</u> |
| | | Operating Expenses | | | |
| - | 7,500 | Water Purchased | 12,093 | 52,500 | 90,000 |
| 168,507 | 168,507 | Management & Operations Contract | 1,179,549 | 1,179,549 | 2,022,084 |
| 18,663 | 27,917 | Utilities | 135,099 | 195,419 | 335,000 |
| 1,729 | 2,500 | Insurance | 14,002 | 17,500 | 30,000 |
| 49,761 | 5,000 | Repairs & Maintenance | 131,691 | 35,000 | 60,000 |
| 42 | 250 | Outside Services | 314 | 1,750 | 3,000 |
| 613 | 800 | Legal Expenses | 6,063 | 5,600 | 9,600 |
| - | - | Accounting/Audit | 7,985 | 8,000 | 8,000 |
| 4,167 | 4,167 | Bad Debts | 29,167 | 29,169 | 50,000 |
| - | - | Bond Trustee Fees | 900 | 500 | 500 |
| 385 | 270 | Dues | 2,695 | 1,890 | 3,235 |
| 294 | 228 | Office Expense | 2,361 | 1,596 | 2,732 |
| - | 833 | Rent Expense | 25 | 5,831 | 10,000 |
| 3,863 | - | Regulatory Assess Fees | 3,863 | - | - |
| 419 | 125 | KY 811 Services | 1,371 | 875 | 1,500 |
| 15 | 54 | Miscellaneous Expenses | 322 | 378 | 652 |
| 11 | 4 | Customer Deposit Interest Expense | 47 | 28 | 53 |
| <u>248,468</u> | <u>218,155</u> | Total Operating Expenses | <u>1,527,546</u> | <u>1,535,585</u> | <u>2,626,356</u> |
| <u>15,790</u> | <u>31,275</u> | Net Income B/4 Other Income (Expenses) | <u>243,927</u> | <u>210,425</u> | <u>366,811</u> |
| | | Other Income (Expenses) | | | |
| - | - | Gain (Loss) on Sale of Assets | 1,645 | - | - |
| - | - | Capital Contributions | 4,128 | - | - |
| 308 | - | Interest Income | 2,604 | - | - |
| (8,763) | (8,333) | Interest Expense | (62,314) | (58,331) | (100,000) |
| (397) | 63 | Amortization | (2,780) | 441 | 753 |
| (65,000) | (65,000) | Depreciation | (455,000) | (455,000) | (780,000) |
| <u>(73,853)</u> | <u>(73,270)</u> | Total Other Income (Expenses) | <u>(511,717)</u> | <u>(512,890)</u> | <u>(879,247)</u> |
| <u>\$ (58,062)</u> | <u>\$ (41,995)</u> | Net Income (Loss) | <u>\$ (267,791)</u> | <u>\$ (302,465)</u> | <u>\$ (512,436)</u> |

**Martin County Water District
Inez, KY**

Treasury Report

| | | |
|--|---------------|----------------------|
| Billing Charges For the Month of: | Jul-23 | |
| Water Revenue | | \$ 182,218.59 |
| Water Revenue-Commercial | | 28,650.14 |
| Water Revenue-Commercial Exempt | | 7,758.77 |
| Late Charges | | 6,641.27 |
| Sales Taxes | | 2,102.51 |
| Debt Service Surcharge | | 8,724.13 |
| School Tax | | 6,658.56 |
| Management Infrastructure Surcharge | | 15,656.98 |
| Returned Check | | 1,149.64 |
| Interest on Customer Deposits | | (11.11) |
| Connection Fees | | 4,543.78 |
| Other Miscellaneous Fees | | 2,501.59 |
| Deposits Applied | | (905.00) |
| Refund Checks Paid | | 101.91 |
| Total Billing Charges | | \$ 265,791.76 |
| Gallons Billed | | 12,869,220 |
| Customers Billed | | 3,363 |

| | | |
|---|---------------|-------------------|
| Accounts Receivable | Jul-23 | |
| Beginning Balance | | 345,286.48 |
| Billing Charges | | 265,791.76 |
| Bad Debt (Write Offs) Recoveries | | 943.28 |
| Accounts Receivable Collections | | (257,784.89) |
| End of Month Accounts Receivable | | 354,236.63 |

| | | |
|--|--|----------------------|
| Operations Account | | |
| Beginning Balance | | \$ 96,095.23 |
| Deposits | | |
| Accounts Receivable Collections | | 257,784.89 |
| Accounts Receivable Collections - Pmts in EFT Revenue Account | | (109,004.80) |
| Sewer Billing Collections in Water Bank Acct - Due to MCS | | 68,877.32 |
| Customer Deposits Received | | 2,565.00 |
| Prestonsburg Utilities | | 7,298.30 |
| Miscellaneous Income (Hydrant Meter, Scrap Metal, TOW payment) | | 265.00 |
| Transfers from Other District Accts | | 106,000.00 |
| Total Deposits | | 333,785.71 |
| Disbursements: | | |
| Checks Written | | (300,219.52) |
| Pmts made to Sanitation for A/R Collections | | (62,620.90) |
| Transfers to Other District Accts | | (44,971.60) |
| Auto Drafted Utilities | | (16,774.26) |
| Returned Checks | | (224.85) |
| Bank Fees | | (15.00) |
| Sales and School Tax Payments | | (8,927.84) |
| End of Month Balance | | \$ (3,873.03) |

| | | |
|-------------------------------------|--------|---------------------|
| Cash Receipts Collected To Date in: | Aug-23 | 99,694.77 |
| Bills Submitted for Payment in: | Aug-23 | (254,365.11) |
| Available Balance | | (158,543.37) |

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

| Bank Account | Beginning Balance | Deposits | Interest Earned, Net of Fees | Payments | Ending Balance |
|-------------------------------------|------------------------------|-------------------|---|---------------------|-----------------------|
| Operations Account | \$ 96,095.23 | 333,785.71 | - | (433,753.97) | \$ (3,873.03) |
| Revenue EFT Account | 3,709.37 | 109,004.80 | - | (107,001.79) | 5,712.38 |
| Debt Service Surcharge | 42,036.64 | 9,046.44 | 0.91 | - | 51,083.99 |
| Management Infrastructure Surcharge | 8,865.27 | 16,235.16 | 0.12 | (24,100.43) | 1,000.12 |
| Security Deposits | 93,957.73 | 1,890.00 | 4.07 | (101.91) | 95,749.89 |
| Cash on Hand | 900.00 | - | - | - | 900.00 |
| Total Unrestricted Cash | 245,564.24 | 469,962.11 | 5.10 | (564,958.10) | 150,573.35 |
| Restricted Cash | | | | | |
| ARC Grant | 63.07 | - | - | - | 63.07 |
| Rockhouse Project | 5,526.07 | 10,800.00 | - | (10,450.31) | 5,875.76 |
| Regions Bank-KY 2015E Martin County | 72,059.37 | 10,450.31 | 265.14 | (30,201.88) | 52,572.94 |
| KIA Bond & Interest | 6,407.75 | 5,800.00 | 0.08 | (5,662.90) | 6,544.93 |
| KY Assoc of Counties Leasing Trust | 3,042.88 | 1,200.00 | 0.06 | (157.21) | 4,085.73 |
| Depreciation Reserve | 1,022.36 | - | 0.02 | - | 1,022.38 |
| Cost of Issuance Fund 2022 | 2,098.00 | - | - | - | 2,098.00 |
| Certificate Fund - 2022 Debt Svc | 37,659.60 | - | 153.37 | (18,037.50) | 19,775.47 |
| Revenue Fund - 2022 | 3,457.33 | - | 14.08 | - | 3,471.41 |
| Total Restricted Cash | 131,336.43 | 28,250.31 | 432.75 | (64,509.80) | 95,509.69 |
| Total Cash & Investments | \$ 376,900.67 | 498,212.42 | 437.85 | (629,467.90) | \$ 246,083.04 |

**Martin County Water District
Billing Summary**

| Date | Billed | | Gallons (000'S) | Billed # of Customers | Payments Received |
|--------|---------|-----------|--------------------|--------------------------|----------------------|
| | Revenue | YTD Total | | | |
| Jul-23 | 222,438 | 1,535,751 | 12,869 | 3,363 | 257,785 |
| Jun-23 | 222,407 | 1,313,313 | 13,007 | 3,367 | 249,254 |
| May-23 | 213,098 | 1,090,906 | 12,096 | 3,361 | 254,233 |
| Apr-23 | 224,371 | 877,808 | 13,427 | 3,346 | 219,648 |
| Mar-23 | 193,481 | 653,437 | 9,299 | 3,363 | 249,444 |
| Feb-23 | 219,471 | 459,955 | 12,515 | 3,370 | 257,299 |
| Jan-23 | 240,484 | 240,484 | 14,906 | 3,383 | 296,876 |
| Dec-22 | 217,251 | 2,595,436 | 12,429 | 3,374 | 226,327 |
| 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 |

Martin County Water District, Inez KY
List of Bills for Consideration
22-Aug-23

| <u>Vendor</u> | <u>Description</u> | <u>Amount</u> |
|--------------------------------|---|---------------|
| Operations Account | | |
| 1 AEP | Electric (26 bills) Estimated | \$ 16,104.38 |
| 2 Big Sandy RECC | Electric (9 bills) Estimated | \$ 2,367.69 |
| 3 Paintsville Utilities | Electric for token (6/05/22 to 7/05/23) Estimated | \$ 49.44 |
| 4 Martin County Public Library | Rent (Sept) | \$ 843.38 |
| 5 Martin County Water District | Sanitation (July) | \$ 141.67 |
| 6 Sales tax | 7/2023 (estimated) | \$ 2,266.82 |
| 7 School tax | 7/2023 (estimated) | \$ 6,661.02 |
| 8 Alliance Water Resources | 8/1/23-8/15/23 O&M services | \$ 84,253.50 |
| 9 Alliance Water Resources | 8/16/23-8/30/23 O&M services | \$ 84,253.50 |
| 10 Alliance Water Resources | Insurance Policy Installment (8/10) | \$ 1,156.77 |
| 11 Management Inf. Surcharge | Estimated (actual collected will be paid) | \$ 16,235.16 |
| 12 Debt Service Surcharge | Estimated (actual collected will be paid) | \$ 9,046.44 |
| 13 Kentucky Underground | 811 Services (July) | \$ 418.50 |
| 14 Brian Cumbo | Legal Fees | \$ 612.50 |
| 15 Estech Systems | Phone System (July) | \$ 218.35 |
| 16 NexBillPay | Fees (July) | \$ 77.00 |
| 17 Diesel Fuel Receipts | Diesel Fuel (July) | \$ 27,601.09 |
| 18 H&E Equipment Services | Pump Rental | \$ 6,881.48 |
| 19 H&E Equipment Services | Pump Def Fluid | \$ 288.86 |
| 20 DEQ Inc. | VFD | \$ 3,700.00 |
| 21 Consolidated Pipe | Parts | \$ 117.00 |
| 22 Consolidated Pipe | Parts | \$ 117.00 |
| 23 Consolidated Pipe | Parts | \$ 2,640.92 |
| 24 Consolidated Pipe | Parts | \$ 2,967.33 |
| 25 Consolidated Pipe | Parts | \$ 1,077.75 |
| 26 Consolidated Pipe | Parts | \$ 321.18 |
| 27 Consolidated Pipe | Parts | \$ 341.27 |
| 28 Consolidated Pipe | Parts | \$ 2,540.00 |
| 29 Consolidated Pipe | Parts | \$ 1,543.78 |
| 30 Consolidated Pipe | Parts | \$ 288.00 |
| 31 Consolidated Pipe | Parts | \$ 706.03 |
| 32 Consolidated Pipe | Parts | \$ 297.39 |
| 33 Consolidated Pipe | Parts | \$ 107.47 |
| 34 I.T.M Inc. | Water Meter Test Tank Certification | \$ 900.00 |

Martin County Water District, Inez KY
List of Bills for Consideration
22-Aug-23

| <u>Vendor</u> | <u>Description</u> | <u>Amount</u> |
|--|-----------------------------------|--------------------------|
| 35 Mountain Water | Water Purchased | \$ 0.35 |
| TOTAL | | \$ 263,411.55 |
| Operations Account - Debt Service Funding | | Transfer Amounts |
| 1 KIA | Monthly funding for KIA Bond/Loan | \$ 5,800.00 |
| 2 KACo | Monthly funding for lease payment | \$ 1,200.00 |
| 3 KRW/Regions Bank | Monthly funding for loan | \$ 10,800.00 |
| TOTAL | | \$ 17,800.00 |
| TOTAL OPERATIONS | | \$ 281,211.55 |
| Security Deposit Account | | |
| Customer | | |
| 1 Mike Chapman Sr. | Deposit refund due to customer | \$ 53.38 |
| TOTAL | | \$ 53.38 |



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

July 2023

Administrative

Staff is continuing to help customers with any information needed for the LIHWAP program available through the Big Sandy Area Community Action Program.

Water Treatment

WTP Operators performed routine backwashing of filters on Clarifiers 2 & 3 to ensure proper filtration. WTP operators also collected bi-weekly routine bacteriological and fluoride distribution system samples for system monitoring and compliance.

Utilized diesel-powered Raw Water Intake pump to deliver water to the Curtis Crum Reservoir. To minimize fuel and diesel exhaust fluid costs, the pump was lowered to an average of 2.4 MGD delivered to the reservoir.

Installed Hach 1720E online turbidimeter for Filter 5 on Clarifier 2. This phased out the last obsolete Hach 1720D online turbidimeter and ensured Division of Water compliance.

Changed reagents and cleaned feed tubes on the Hach online Cl₂ analyzer to ensure accurate chlorine readings at the entry point to the distribution system.

Hosted hybrid quarterly meeting at the Martin Co. Library with the Energy and Environment Cabinet, Division of Water, Martin Co. Concerned Citizens, and Alliance Water Resources Staff. Division of Water employees also visited the WTP, Curtis Crum Reservoir, and RWI site.

Operators began assembling quotes for a new online Cl₂ analyzer. One of the manufacturers, Chemtrac, set up a free trial of their analyzer to test in the WTP lab for 30 days.

Received results of the second set of UCMR 5 samples taken in May 2023. All 26 parameters monitored for tested below the EPA's maximum recommended level and were acceptable. Major parameters tested for were PFAS variations and lithium.

WTP Operator Tom Alley retired from his role as Supervisor after nearly 30 years of service to the Martin County Water District.


Professional Water and Wastewater Operations
Martin County Water District

Weekend-shift WTP operators performed exercises to practice dealing with loss of plant SCADA and loss of distribution system telemetry. This included manually running pumps based on known drop/grain trends of storage tanks and operating the treatment process manually, without the aid of the plant SCADA system.

Calibrated all online turbidimeters per manufacturer specifications to ensure accurate turbidimeter readings for process and quality control and to ensure Division of Water compliance.

Distribution:

Organized pipe storage rack and distribution storage building for easy access to inventory.

Purchased new reflective traffic cones and lighted batons for nighttime traffic control and flagging operations.

Replaced the Long Branch master meter and mounting flanges. This will allow Staff to more accurately document usage and potential water loss beyond the 292 GST.

Mounted new WEG 60HP VFD in the 40 East BPS. Once additional electrical components needed for installation arrive, the VFD will be operational.

Wilson Equipment paid for replacement of hubs and wheels on the distribution equipment trailer after constant issues since purchase.

Installed new flow control valve in the Martin County effluent line in the Honey Branch BPS. The old flow control valve did not function properly which made the stretch of line from Davella BPS to Honey Branch susceptible to pressure surges, or “water hammers”. The Martin County influent line flow control valve will be replaced next.

Added pictures of pertinent pump, electrical control panels, meters, and booster station design of all District booster pump stations to GeoSync GIS and MaxPanda CMMS.

Repaired the following main line and service line leaks: five 1” lines, one 2” line, one 6” line, one 3” line, three 8” lines included replacing two full 20’ joints of line of Blacklog Rd, and multiple ¾” leaks.

Completed line locate requests, disconnects and reconnects, routine service orders such as shut-off and setter replacement, and site remediations.



Alliance WATER RESOURCES®

 Professional Water and Wastewater Operations

Martin County Water District

Safety

The monthly safety meeting was held on July 19th and covered Safe Excavation and Excavation Competent Person training.

Training

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 | |



Alliance WATER RESOURCES®

 Professional Water and Wastewater Operations

Martin County Water District

Regulatory

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

Water Plant Operation

| Water Pumped July | |
|--|-------------|
| Total Water Production (gallons) | 48,378,000 |
| Total Water Metered/Billed (gallons) | 14,4697,000 |
| Other Water Used (gallons) | 374,000 |
| Average Daily Flow (Million Gallons per Day) | 1.560 MGD |
| Maximum Daily Flow | 1.627 MGD |
| Fluoride Used (lbs.) | 499.5 |
| Chlorine Used (lbs.) | 1,686.2 |
| Lab Tests | 3,801 |



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 Professional Water and Wastewater Operations
Martin County Water District

Water Quality Analysis

| Test | Routine | Special | Repeat |
|------------------------------------|-----------------------|--|----------------------|
| Bacteriological | 10 (Pass) | 0 | 0 |
| | | Reported | Minimum Limit |
| Fluoride Plant Sample | 31 | 0.79 mg/l Average | 0.6 mg/l |
| Chlorine Distribution Sample | Total- 37 Free- 37 | Low Readings Total - 0.39 mg/L Free – 0.27 mg/L | 0.2 mg/l |

Customer Service Request and Work Orders

| | |
|-----------------------------|------|
| Meter Reads | 3317 |
| Meter Sets | 35 |
| Turn offs-Close account | 26 |
| Taps | 0 |
| Meter Changes | 13 |
| Disconnects for Non-payment | 43 |
| Boil Notices | 1 |
| Line Locates | 279 |
| Water Leaks/Breaks | 42 |
| Other/Investigates | 115 |



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Martin County Water District

Water Main Breaks & Service Lines

| Date | Location | Loss (Gallons) |
|---------|------------------|----------------|
| 7/12/23 | Beauty Rd. | 145,626 |
| 7/12/23 | Groundhog Hlw. | 115,091 |
| 7/12/23 | Peter Cave Br. | 361,601 |
| 7/12/23 | Beauty Rd. | 33,425 |
| 7/14/23 | Blackberry Rd. | 493,259 |
| 7/17/23 | Ratliff Town Rd. | 61,025 |
| 7/20/23 | Inez Elem. | 1,761,641 |
| 7/21/23 | Upper Alpha | 6,165,608 |
| 7/21/23 | Upper Alpha | 35,233 |
| 7/24/23 | Sweetwater Rd. | 5,293,654 |
| 7/24/23 | Sweetwater Rd. | 89,826 |
| 7/24/23 | Blacklog Rd. | 449,132 |
| 7/25/23 | Davis Br. | 17,616 |
| 7/26/23 | Hale Ave. | 176,164 |
| 7/27/23 | Blacklog Rd. | 359,306 |
| 7/31/23 | Rockcastle Rd. | 134,273 |



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 Professional Water and Wastewater Operations
Martin County Water District

Repair Expenses Ending June 2023

| Expended | Actual YTD | Annual Budget | % Budget / Line Item |
|---------------------------------|-----------------|-----------------|----------------------|
| Bldg. & Grounds Maintenance | \$139 | \$5,000 | 2% |
| Vehicle Maintenance | \$10,872 | \$20,000 | 54% |
| Water Plant Maintenance | \$13,013 | \$10,000 | 130% |
| Distribution System Maintenance | \$60,551 | \$50,000 | 121% |
| Water Meter Maintenance | \$4,670 | \$10,000 | 46% |
| Street Maintenance | \$38 | \$3,141 | 1% |
| Totals | \$89,283 | \$98,141 | 90% |

Chemical Expenses Ending June 2023

| Expended | Actual YTD | Annual Budget | % Budget / Line Item |
|-------------------------|-----------------|------------------|----------------------|
| Sodium Hydroxide | \$5,491 | \$11,000 | 49% |
| Polymer | \$781 | \$15,000 | 5% |
| Alum (DELPAC) | \$21,958 | \$30,000 | 73% |
| Chlorine | \$21,055 | \$20,000 | 105% |
| Permanganate | \$2,963 | \$19,000 | 15% |
| Fluoride | \$10,786 | \$7,000 | 154% |
| Chemicals Other - Water | \$5,590 | \$8,000 | 51% |
| Totals | \$68,623 | \$110,000 | 62% |

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Martin County Water District

Notes:

- 1) Building & Grounds Maintenance
 - a. Evans Hardware \$27.63

- 2) Vehicle Maintenance
 - a. Advance Auto \$14.83
 - b. Advance Auto \$14.83
 - c. Advance Auto \$24.26
 - d. Advance Auto \$66.44
 - e. Advance Auto \$24.16
 - f. Advance Auto \$11.65
 - g. Advance Auto \$73.12
 - h. Advance Auto \$16.95
 - i. Middlefork Service Center \$20.00
 - j. Middlefork Service Center \$194.11
 - k. Oil Changers \$39.75
 - l. Advance Auto \$29.02
 - m. Advance Auto \$30.72
 - n. O'Reilly Auto \$45.57
 - o. Advance Auto \$22.35
 - p. Advance Auto \$36.48
 - q. Advance Auto \$29.66
 - r. Capital Tire \$572.79
 - s. Advance Auto \$7.74
 - t. Advance Auto \$23.30
 - u. Advance Auto \$79.30

- 3) Water Plant Maintenance
 - a. Advance Auto \$36.04
 - b. Advance Auto \$16.36
 - c. USA Bluebook \$42.14
 - d. USA Bluebook \$176.87
 - e. USA Bluebook \$104.34
 - f. USA Bluebook \$57.95
 - g. USA Bluebook \$508.61
 - h. USA Bluebook \$16.39
 - i. eBay (Stenner Pump Covers) \$185.50
 - j. USA Bluebook \$176.87
 - k. Zip Zone \$91.97
 - l. Inez Citgo \$300.00
 - m. Inez Citgo \$205.00
 - n. Inez Citgo \$300.00
 - o. Inez Citgo \$300.00
 - p. Inez Citgo \$300.00
 - q. Inez Citgo \$300.00


Professional Water and Wastewater Operations
Martin County Water District

- r. Inez Citgo \$212.92
- s. Inez Citgo \$253.94
- t. Inez Citgo \$225.67
- u. Zip Zone \$500.00
- v. Zip Zone \$235.00
- w. Zip Zone \$322.01
- x. Zip Zone \$320.00
- y. Zip Zone \$500.00
- z. Zip Zone \$756.00
- aa. Adkins Fastop \$635.01
- bb. Advance Auto \$79.45
- cc. Advance Auto \$44.50
- dd. Zip Zone \$100.00
- ee. Inez Citgo \$300.00
- ff. Inez Citgo \$300.00
- gg. Inez Citgo \$220.04
- hh. Adkins Fastop \$100.00
- ii. Lowes \$359.98
- jj. Zip Zone \$792.97
- kk. Inez Citgo \$300.00
- ll. Adkins Fastop \$300.00
- mm. Advance Auto \$172.82
- nn. Inez Citgo \$68.26
- oo. Lowes \$359.98

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. R&J Building Supply \$34.64
 - b. Evans Hardware \$21.79
 - c. Evans Hardware \$7.21

- 6) Meter Maintenance
 - a. \$0.00

- 7) Sodium Bisulfite
 - a. CITCO Water \$226.93
 - b. CITCO Water \$1,352.11

- 8) Sodium Hydroxide
 - a. Brenntag Mid-South, Inc \$1,330.88

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

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Martin County Water District

- 10) Polymer
 - a. \$0.00

- 11) Alum
 - a. CITCO Water \$3,284.63
 - b. Brenntag Mid-South, Inc \$730.32

- 12) Chlorine
 - a. CITCO Water \$3,334.39

- 13) Permanganate
 - a. Brenntag Mid-South, Inc \$742.00
 - b. Brenntag Mid-South, Inc \$742.00
 - c. Brenntag Mid-South, Inc \$736.70

- 14) Fluoride
 - a. CITCO Water \$1,489.20

- 15) Chemicals Other – Water
 - a. \$0.00

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: July Year: 2023

LINE ITEM DESCRIPTION

| | | |
|---|-------------------------------------|---------------|
| 1 | WATER PRODUCED AND PURCHASED | |
| 2 | Water Produced | 48,378 |
| 3 | Water Purchased | |
| 4 | TOTAL PRODUCED AND PURCHASED | 48,378 |

| | | |
|----|--------------------------|---------------|
| 5 | | |
| 6 | WATER SALES | |
| 7 | Residential | 10,226 |
| 8 | Commercial | 2,643 |
| 9 | Industrial | |
| 10 | Bulk Loading Stations | |
| 11 | Wholesale | |
| 12 | Public Authorities | 1,828 |
| 13 | Other Sales (explain) | |
| 14 | TOTAL WATER SALES | 14,697 |

| | | |
|----|--------------------------------------|------------|
| 15 | | |
| 16 | OTHER WATER USED | |
| 17 | Utility and/or Water Treatment Plant | 374 |
| 18 | Wastewater Plant | |
| 19 | System Flushing | 42 |
| 20 | Fire Department | |
| 21 | Other Usage (explain) | |
| 22 | TOTAL OTHER WATER USED | 416 |

| | | |
|----|-------------------------|---------------|
| 23 | | |
| 24 | WATER LOSS | |
| 25 | Tank Overflows | |
| 26 | Line Breaks | 15,692 |
| 27 | Line Leaks | 17,573 |
| 28 | Excavation Damages | |
| 29 | Theft | |
| 30 | Other Loss | |
| 31 | TOTAL WATER LOSS | 33,265 |

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) | 68.76% |

**MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
8/18/2023**

replaced broken clamp by meter; leak ran into 2nd month

| | | |
|--|-------|-------|
| BILLED GALLONS/COST | 6,250 | 86.00 |
| BILLED GALLONS/COST | - | 0.00 |
| AVG GALLONS/BILL | 2,000 | 41.42 |
| LEAK GALLONS/PURCH COST | 4,250 | 8.50 |
| LEAK GALLONS/PURCH COST | | 0.00 |
| PAY (avg+leak cost) | | 49.92 |
| WRITE OFF (billed-avg-purch cost) | | 36.08 |
| LATE PENALTIES TO ADJ | | 0.00 |

36.08

repaired broken line under home; leak ran into 2nd month

| | | |
|--|--------|--------|
| BILLED GALLONS/COST | - | 0.00 |
| BILLED GALLONS/COST | 85,880 | 921.32 |
| AVG GALLONS/BILL | 3,000 | 51.91 |
| LEAK GALLONS/PURCH COST | - | 0.00 |
| LEAK GALLONS/PURCH COST | 82,880 | 165.76 |
| PAY (avg+leak cost) | | 51.91 |
| WRITE OFF (billed-avg-purch cost) | | 703.65 |
| LATE PENALTIES TO ADJ | | 0.00 |

703.65

Pool fill up

| | | |
|--------------------|--------|--------|
| SEWER | 11,070 | 167.33 |
| SWR PAY (AVG-LEAK) | 4000 | 62.62 |
| SWR WRITE OFF | | 104.71 |

104.71

repaired broken line in yard

| | | |
|--|--------|--------|
| BILLED GALLONS/COST | 37,570 | 414.55 |
| BILLED GALLONS/COST | 9,170 | 116.63 |
| AVG GALLONS/BILL | 4,000 | 62.40 |
| LEAK GALLONS/PURCH COST | 33,570 | 67.14 |
| LEAK GALLONS/PURCH COST | 5,170 | 10.34 |
| PAY (avg+leak cost) | | 129.54 |
| WRITE OFF (billed-avg-purch cost) | | 391.30 |
| LATE PENALTIES TO ADJ | | |
| SEWER | 37,570 | 559.79 |
| SEWER | 9,170 | 139.19 |
| AVG SEWER/BILL | 4,000 | 62.62 |
| LEAK SWR ADJ | 33,570 | 497.17 |
| LEAK SWR ADJ | 5,170 | 76.57 |
| SWR PAY (AVG-LEAK) | | 125.24 |
| SWR WRITE OFF | | 573.74 |

| | | | |
|----------------------|--|------|--------|
| SWR PENALTIES TO ADJ | | 0.00 | 965.04 |
|----------------------|--|------|--------|

pool fill up

| | | | |
|--------------------|--------|--------|-------|
| SEWER | 12,150 | 183.32 | |
| SWR PAY (AVG-LEAK) | 7000 | 107.50 | |
| SWR WRITE OFF | | 75.82 | 75.82 |

repaired toilet and broken line under sink

| | | | |
|-----------------------------------|--------|--------|--------|
| BILLED GALLONS/COST | 76,580 | 823.76 | |
| AVG GALLONS/BILL | 2,000 | 41.42 | |
| LEAK GALLONS/PURCH COST | 74,580 | 149.16 | |
| PAY (avg+leak cost) | | 190.58 | |
| WRITE OFF (billed-avg-purch cost) | | 633.18 | |
| LATE PENALTIES TO ADJ | | 0.00 | 633.18 |

repaired toilet

| | | | |
|-----------------------------------|--------|--------|--------|
| BILLED GALLONS/COST | 30,780 | 228.89 | |
| BILLED GALLONS/COST | 35,160 | 389.27 | |
| AVG GALLONS/BILL | 17,000 | 255.15 | |
| LEAK GALLONS/PURCH COST | 13,780 | 27.56 | |
| LEAK GALLONS/PURCH COST | 18,160 | 36.32 | |
| PAY (avg+leak cost) | | 282.71 | |
| WRITE OFF (billed-avg-purch cost) | | 299.13 | |
| LATE PENALTIES TO ADJ | | 0.00 | 299.13 |

repaired toilet

| | | | |
|-----------------------------------|--------|--------|--------|
| BILLED GALLONS/COST | 11,770 | 143.91 | |
| BILLED GALLONS/COST | 6,600 | 89.67 | |
| AVG GALLONS/BILL | 3,000 | 51.91 | |
| LEAK GALLONS/PURCH COST | 8,770 | 17.54 | |
| LEAK GALLONS/PURCH COST | 3,600 | 7.20 | |
| PAY (avg+leak cost) | | 69.45 | |
| WRITE OFF (billed-avg-purch cost) | | 156.93 | |
| LATE PENALTIES TO ADJ | | 0.00 | 156.93 |

repaired toilet

| | | | |
|-----------------------------------|-------|--------|--------|
| BILLED GALLONS/COST | 9,440 | 119.47 | |
| BILLED GALLONS/COST | 4,950 | 89.67 | |
| AVG GALLONS/BILL | 4,000 | 62.40 | |
| LEAK GALLONS/PURCH COST | 5,440 | 10.88 | |
| LEAK GALLONS/PURCH COST | 950 | 1.90 | |
| PAY (avg+leak cost) | | 73.28 | |
| WRITE OFF (billed-avg-purch cost) | | 133.96 | |
| LATE PENALTIES TO ADJ | | 0.00 | 133.96 |

pool fill up

| | | | |
|-------|--------|--------|--|
| SEWER | 17,110 | 256.78 | |
|-------|--------|--------|--|

| | | |
|--------------------|------|--------|
| SWR PAY (AVG-LEAK) | 3000 | 47.81 |
| SWR WRITE OFF | | 208.97 |

208.97

repaired leak in kitchen sink

| | | |
|-----------------------------------|-------|--------|
| BILLED GALLONS/COST | 8,550 | 110.13 |
| AVG GALLONS/BILL | 2,000 | 41.42 |
| LEAK GALLONS/PURCH COST | 6,550 | 13.10 |
| PAY (avg+leak cost) | | 54.52 |
| WRITE OFF (billed-avg-purch cost) | | 55.61 |
| LATE PENALTIES TO ADJ | | 0.00 |
| SEWER | 8,550 | 130.01 |
| AVG SEWER/BILL | 2,000 | 33.00 |
| LEAK SWR ADJ | 6,550 | 97.01 |
| SWR PAY (AVG-LEAK) | | 33.00 |
| SWR WRITE OFF | | 97.01 |
| SWR PENALTIES TO ADJ | | 0.00 |

152.62

repaired toilet and broken line under sink

| | | |
|-----------------------------------|--------|--------|
| BILLED GALLONS/COST | 18,290 | 212.30 |
| AVG GALLONS/BILL | 2,000 | 41.42 |
| LEAK GALLONS/PURCH COST | 16,290 | 32.58 |
| PAY (avg+leak cost) | | 74.00 |
| WRITE OFF (billed-avg-purch cost) | | 138.30 |
| LATE PENALTIES TO ADJ | | 0.00 |

138.30

repaired broken line between meter and home

| | | |
|-----------------------------------|--------|--------|
| BILLED GALLONS/COST | 19,240 | 222.27 |
| BILLED GALLONS/COST | 3,830 | 60.62 |
| AVG GALLONS/BILL | 2,000 | 41.42 |
| LEAK GALLONS/PURCH COST | 17,240 | 34.48 |
| LEAK GALLONS/PURCH COST | 1,830 | 3.66 |
| PAY (avg+leak cost) | | 75.90 |
| WRITE OFF (billed-avg-purch cost) | | 203.33 |
| LATE PENALTIES TO ADJ | | 0.00 |

203.33

replaced regulator that was leaking

| | | |
|-----------------------------------|--------|--------|
| BILLED GALLONS/COST | 10,280 | 128.28 |
| AVG GALLONS/BILL | 3,000 | 51.91 |
| LEAK GALLONS/PURCH COST | 7,280 | 14.56 |
| PAY (avg+leak cost) | | 66.47 |
| WRITE OFF (billed-avg-purch cost) | | 61.81 |
| LATE PENALTIES TO ADJ | | 0.00 |
| SEWER | 10,280 | 155.63 |
| AVG SEWER/BILL | 3,000 | 33.00 |
| LEAK SWR ADJ | 7,280 | 122.63 |
| SWR PAY (AVG-LEAK) | | 33.00 |
| SWR WRITE OFF | | 122.63 |

| | | |
|----------------------|--|------|
| SWR PENALTIES TO ADJ | | 0.00 |
|----------------------|--|------|

184.44

repaired broken line between meter and home

| | | |
|-----------------------------------|--------|--------|
| BILLED GALLONS/COST | 11,590 | 142.02 |
| BILLED GALLONS/COST | 12,330 | 149.78 |
| AVG GALLONS/BILL | 5,000 | 72.89 |
| LEAK GALLONS/PURCH COST | 6,590 | 13.18 |
| LEAK GALLONS/PURCH COST | 7,330 | 14.66 |
| PAY (avg+leak cost) | | 86.07 |
| WRITE OFF (billed-avg-purch cost) | | 191.07 |
| LATE PENALTIES TO ADJ | | 0.00 |

191.07

repaired broken line near water heater

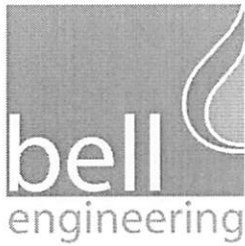
| | | |
|-----------------------------------|--------|--------|
| BILLED GALLONS/COST | 15,470 | 182.72 |
| BILLED GALLONS/COST | 8,880 | 113.59 |
| AVG GALLONS/BILL | 6,000 | 83.38 |
| LEAK GALLONS/PURCH COST | 9,470 | 18.94 |
| LEAK GALLONS/PURCH COST | 2,880 | 5.76 |
| PAY (avg+leak cost) | | 102.32 |
| WRITE OFF (billed-avg-purch cost) | | 188.23 |
| LATE PENALTIES TO ADJ | | 11.36 |

199.59

replaced water line from meter to home

| | | |
|-----------------------------------|--------|--------|
| BILLED GALLONS/COST | 27,320 | 307.03 |
| AVG GALLONS/BILL | 3,000 | 51.91 |
| LEAK GALLONS/PURCH COST | 24,320 | 48.64 |
| PAY (avg+leak cost) | | 100.55 |
| WRITE OFF (billed-avg-purch cost) | | 206.48 |
| LATE PENALTIES TO ADJ | | 0.00 |

206.48



MEETING MINUTES
 PROGRESS MTG #46
 MARTIN COUNTY WATER DISTRICT
 MARTIN COUNTY, KENTUCKY
 June 13, 2023

LOCATION: Via Teams
 TIME: 3:30 PM
 Present: Craig Miller, Joe Jacobs, Madison Mooney, Jordan Montgomery,
 Kayla Thornsberry, Stephen Caudill

SUMMARY OF PROJECT FUNDING:

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

**A. 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. Deferred the construction of the Water Line Replacement in the Beauty / Lovely area until a later date and use the funds budgeted for this project for construction of the RWI/WTP Project.
 - B. Continued submitting funding requests in an effort to obtain funding to construct the Water Line Replacement Project in the Beauty / Lovely area as soon as possible.

- C. Awarded the Raw Water Intake / Water Treatment Plant Project to Pace Contracting based on the base bid received with the deletions outlined in Table 1.

TABLE 1

| DESCRIPTION | PRIORITY TO ADD BACK | AMOUNT |
|--|----------------------|------------------------|
| Base Bid submitted by Pace Contracting, Inc. | N/A | \$3,858,387.00 |
| Delete – Backup Generator | 1 | \$ (175,000.00) |
| Delete – Roof Replacement over Garage | 2 | \$ (31,818.00) |
| Delete – 60’ & 20’ Sections of 10-Inch Pipe | 3 | \$ (11,143.00) |
| Delete – Cash Allowance for Second Trailer | 4 | \$ (20,000.00) |
| Delete – Temporary Piping | N/A | \$ (10,000.00) |
| Change – Augur Cast Piles to Micro Piles | N/A | \$ (17,000.00) |
| Change – Buried Conduit from Rigid to PVC | N/A | \$ (20,000.00) |
| Reduce – Pace Markup | N/A | \$ (50,000.00) |
| Reduce – Various Unit Price Items | N/A | \$ (50,000.00) |
| TOTAL AWARD AMOUNT | | \$ 3,473,426.00 |

23. A letter awarding the project to Pace under the conditions outlined in Table 1 and subject to concurrence of all the state and federal agencies was sent to Pace on July 9, 2021.
24. Authorization to Proceed was received from AML on September 1, 2021. The USACE had previously granted approval.
25. Executed contract books and bonds were received from Pace on September 8, 2021.
26. A preconstruction meeting was held on September 22, 2021 at the offices of the Big Sandy Area Development District.
27. Contract books were signed and dated by the Big Sandy Area Development District at the preconstruction meeting.
28. A Notice to Proceed (NTP) was issued at the preconstruction meeting. The contract required the contractor be given ten days from the issuance of the NTP before the contract time started.
29. The Contract time began on October 4, 2021.
30. The contractor has performed the following major items of work since the last meeting:
 - Completed installation of the generator transfer switch.
 - Completed installation of the generator. The generator is now online and capable of providing backup power to the Water Treatment Plant.
 - Grouted and backfilled the backwash gullet of Unit 1.

31. Remaining work:

- Complete grouting/welding of the backwash gullet of Unit 1 to eliminate leaks. Pace to be onsite tomorrow to perform additional grouting/welding.
- Startup Unit 1.
- Begin Unit 3 repair once Unit 1 is operational.
- Resolve issue with VFD for 300 HP Pumping Unit.
- Secure cart for pump.

**B. CONTRACT 113-19-03
LINE IMPROVEMENTS**

1. Bell was able to locate several sets of As-Built Drawings of the water distribution system. Bell scanned copies of all plan sets and returned to MCWD with digital copies of plan sets for MCWD future use.
2. Bell and MCWD personnel have been in the field multiple times locating existing lines, surveying existing meters, valves and fire hydrants and determining routing of new water lines.
3. Location of features affecting alignment of the waterline have been completed.
4. The Phase I Environmental Site Assessment required by the Corps of Engineers was completed and submitted.
5. Plans and specifications have been developed.
6. Project mapping for NEPA purposes was submitted to AML on February 10, 2020.
7. Project description and Opinion of Probable Construction Costs were submitted to AML on February 17, 2020.
8. Project was submitted for DOW review on March 13, 2020. DOW Construction Permit was issued on April 27, 2020.
9. Project submitted to Corps of Engineers Plan and Specification Review March 20, 2020. Corps provided review comments on April 28, 2020. Bell responded to comments and resubmitted plans/specifications on May 7, 2020. The Corps of Engineers completed its review of the final plans / specifications including the opinion of probable cost and certified the package.
10. Project was submitted to KYTC on April 6, 2020 for review. KYTC Encroachment Permit was issued on May 13, 2020.
11. Submitted to DOW for Permit to Construct Along or Across a Stream April 14, 2020. The permit was issued on June 17, 2020.
12. The AML Authorization to Proceed was granted on July 31, 2020.
13. The Corps of Engineers advertised the Draft Environmental Assessment (DEA) and Finding of No Significant Impact (FONSI) for the project on

- August 4, 2020 for the 30-day public comment period. KY SHPO requested further consultation. The FONSI was issued October 29, 2020.
14. Project was sent out for bidding on November 11, 2020.
 15. A pre-bid meeting for interested contractors was held @ 11:00 a.m. on December 1, 2020.
 16. Bids for the project were originally received on December 15, 2020 at 11:00 a.m. Five bids were received.
 17. The project was rebid.
 18. Bids for the project rebid were opened on March 30, 2021 at 11:00 a.m. at the office of the Big Sandy Area Development District. There were six plan holders for the rebid. Three bids were received (BP Pipeline, Buchannan Contracting, and Concurs, LLC).
 19. The low bid was submitted by Conhurst with a base bid of \$910,810.00 and a total bid with alternate of \$1,744,066.00.
 20. \$1.5M in additional project funding through the Corps of Engineers is now available. Changes have been made to the plans in order to better align the proposed scope with available funds. The revised plans have been reviewed with representatives of Alliance. Locations of new valves in the Warfield area, a tie-in of the line along Firehouse Lane to Route 282, and valving in the Groundhog Lane area on both the sideline/mainline are being added. As soon as that is completed, plans will be reviewed one last time with Alliance and then a bid date will be coordinated with the funding agency.

C. WATER SYSTEM HYDRAULIC MODELING

1. Document is required by PSC
2. Bell has completed field review of RWI, WTP, Storage Tanks, Pumping Stations and PRV's.
3. Bell & UK met in Martin County on June 21, 2019 to coordinate collection of field data the week of July 8, 2019. This effort was for calibration of the Hydraulic Model.
4. UK professors and 3 students traveled to Martin County on July 8, 2019 to begin effort of collecting field data (pressures and flows) at key points throughout the water distribution system. Bell had a team of four individuals that were to join the UK team on July 10, 2019; however, MCWD had some major line breaks on July 9, 2019 and were unable to recover water supply during the week to allow flowing water from hydrants.
5. The effort to collect flow data was rescheduled for August 6 and 7, 2019, however, on August 5, 2019 MCWD has a failure of a PRV which would not allow the flowing of the hydrants.
6. The collection of the field data was rescheduled and occurred on August 14 and 15, 2019.

7. Field data has been reviewed. UK returned to the field in an effort to repeat two tests for the Hazen Williams coefficient that appeared suspect.
8. Money is in place to pay for the Hydraulic Model through AML 2017 Grant. OSM refused to allow for payment of the CIP through the 2018 Grant. The funds associated with that have been realigned toward additional waterline replacement.
9. UK delivered testing forms to Bell.
10. PRVs, tanks, lines, etc. have been input into the model.
11. Alliance Resources provided usage data and address information for each customer to effectively distribute demand throughout the system.
12. Model was calibrated using field collected data.
13. Bell has been working with UK to coordinate modeling efforts.
14. A Zoom meeting was held between the Kentucky Division of Water, University of Kentucky and Bell on July 1, 2020 to discuss the modeling. A second Zoom meeting was held on July 7, 2020 between UK and Bell to further discuss items that are needed.
15. Data has been shared between UK and Bell.
16. A trip to obtain additional field data was made in mid-July 2020.
17. The hydraulic model is operational and has been checked against previously recorded field observations. The results being output by the model are consistent with the observations obtained in the field.
18. Bell and UK are sharing model information.
19. It was discussed that the proposed Capital Improvement Plan had been deleted from the project due to OSM declining to allow funds to be used for this purpose. See Item 8 above.

**D. 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. Bell is working on project design now.
16. The ADD has worked with DLG and determined this project will have to be advertised for bidding. Bid documents for the project are complete except for insertion of the bid dates. Specs are being typed now. Project to be advertised upon funding agency concurrence.

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 design is continuing. Bell has made multiple trips to the field and we to perform surveying and line layout. We have also attached pressure recorders to four different hydrants to monitor pressure in the area for purposes of pump station design. Replacement water lines have been designed and reviewed with Alliance. Pump Station design is ongoing. Project will be forwarded to AML for NEPA review.

- 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 has been developed. Project is on hold.
- G. KY 908 GUARDRAIL PROJECT**
1. Met on-site with KYTC multiple times.
 2. KYTC has advised additional funds have been requested to perform this work. They will release the project for design when those funds are approved.
- H. SESTER BRANCH UTILITY RELOCATION**
1. Representatives of KYTC, Alliance, Bell Engineering and the gas company met onsite to discuss the project on January 18th. Bell has forwarded the draft plans to both KYTC and Alliance for review. Bell has also forwarded a draft contract to KYTC for review. Anticipate bidding & constructing the project this summer.
 2. Both Engineering and construction related costs will be paid by KYTC.
- I. REPLACE BRIDGE ON KY 40 OVER BUCK CREEK**
1. Met with KYTC to review proposed work in April.
 2. Over the past month, Bell has been reviewing the roadway plans received from KYTC in preparation for walking project with Alliance to ensure concerns with the existing lines are addressed during the relocation. Project plans and engineering contract will then be forwarded to KYTC.
 3. Both Engineering and construction related costs will be paid by KYTC.
- J. 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. An updated project cost was provided to Alliance this week.
- K. 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. The district received a letter in April from FEMA advising of award in the amount of \$1,140,300. Project design was approved on May 24th and is underway. Alliance indicated the district will need to set up interim financing for the project.

L. SPICY MOUNTAIN WATER EXTENSION

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

M. 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.

N. 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.

O. 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.

P. 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.

- Q. 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.
- R. 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.
- S. 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.
- T. PREPARE OPINION OF PROBABLE PROJECT COSTS FOR THE FOLLOWING PROJECTS**
- Inez Water Line and Valve Replacement
 - Distribution Building and Pipe Yard
 - 292 Booster Station and Water Line Replacement
 - Big Elk Water Line Replacement and Booster Station Rehabilitation
 - Buffalo Horn Water Line Replacement and Booster Pump Station Rehabilitation
 - 645 Water Line Replacement and Booster Station Rehabilitation
 - Wolf Creek/Pigeon Roost Water Line Replacement
 - Meat house Water Line Replacement and Booster Station Rehabilitation
 - Hode Water Line Replacement
 - Castel Branch Water Line Replacement and Booster Pump Station Rehabilitation
 - Creek Crossing Replacement Project
 - Valve Insertion Project
 - Big Lick Water Line Replacement and Booster Station Rehabilitation
 - Peter Cave Water Line Replacement and Booster Pump Station Rehabilitation
 - Kermit Water Line Connection
1. Will work with Alliance to ensure we have the project scope correctly delineated.

| MARTIN COUNTY WATER DISTRICT 5 YEAR CAPITAL ITEMS | | | | | | |
|---|----------|-------------------------|-------------------|--------------|-----------------|--|
| CAPITAL PROJECTS IN GRANT PROCESS | PRIORITY | GRANT PORTAL YEAR | CONSTRUCTION YEAR | COST | FUNDING SOURCE | COMMENTS |
| 40E SERVICE LINE REPLACEMENT AND 6" ABANDONMENT | 1 | 2023 | | \$ 760,000 | IN GRANT PORTAL | MOVING 50+ CUSTOMERS TO NEWER 10" LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING |
| TURKEY WATER LINE REPLACEMENT | 2 | 2023 | | \$ 6,822,000 | IN GRANT PORTAL | REPLACING LINE FROM THE WATER PLANT TO THE TURKEY TANK. THIS LINE HAS HAD MULTIPLE LEAKS OVER THE YEARS AND IS A CRITICAL POINT FOR A LARGE SERVICE AREA IN THE SYSTEM |
| COLDWATER LINE REPLACEMENT | 2 | 2023 | | \$ 8,419,000 | IN GRANT PORTAL | UP TO 4" WATER LINES IN THE SAME AREA WITH MANY WEAK POINTS |
| WATER PLANT CLARIFIER III REHAB | 1 | 2020 | 2023 | \$ 250,000 | AML | THIS PROJECT WILL BE COMPLETED AS PART OF A LARGER PROJECT CURRENTLY UNDERWAY. RAKE DRIVE BEARING IS OUT. |
| TURKEY STORAGE TANK REHAB | 1 | 2023 | | \$ - | IN GRANT PORTAL | TANK IS ONE OF THE OLDEST AND IN THE WORST CONDITION IN OUR SYSTEM |
| Project 113-19-03 | 3 | 2019 | | \$ 1,260,658 | AML | EXISTING PROJECT BIDDING SOON |
| Replace Existing Mainline, Water Meters, Service Line, Valves & Hydrants in the Warfield Area | | | | | | |
| Projects 113-19-05 & 113-19-06 Rehabilitation of Otto Brown Booster Station, Line replacement to Middlefork Tank, Upgrade of Davella Booster Station | 1 | 2019 Scope changed 2022 | | \$ 750,000 | | REPLACING FAILING UNDERGROUND BOOSTER STATION IN THE SYSTEM TO ASSIST IN PROVIDING WATER TO THE AIRPORT, PRISON AND DAVELLA REGION. |
| FEMA BACKUP GENERATOR PROJECT | 1 | 2022 | | \$ 1,320,000 | FEMA | WILL BE GENERATOR AT 40E AND 40W BOOSTER STATIONS AND THE RAW WATER INTAKE |
| METER REPLACEMENT PROJECT | 1 | 2023 | | \$ 2,000,000 | IN GRANT PORTAL | REDUCE WATER LOSS; EFFECIENCY IN OPERATIONS AND ELIMINATION OF HUMAN ERROR IN METER READING |
| HIGH SCHOOL PUMP STATION CHECK VALVE | 3 | 2022 | | \$ 70,000.00 | | ENABLE THE DISTRICT TO USE THE HIGH SCHOOL TANK TO PROVIDE WATER TO OTHER AREAS OF THE SYSTEM BESIDES THE HIGHSCHOOL |

| | |
|-------|---------------|
| TOTAL | \$ 21,651,658 |
|-------|---------------|

| MARTIN COUNTY WATER DISTRICT CAPITAL ITEMS | | | | |
|--|----------|------|-------------------------|--|
| PROJECTS NOT IN GRANT PROCESS | PRIORITY | YEAR | COST | COMMENTS |
| INEZ WATER LINE AND VALVE REPLACEMENT | 1 | | \$ 5,318,000.00 | OLDEST SECTION OF THE SYSTEM CONSISTING OF AC LINE AND OLD SERVICES. 90% WATER LOSS |
| DISTRIBUTION BUILDING AND PIPE YARD | 3 | | \$ 897,000.00 | CURRENT STAFF USE THE WATER PLANT PARKING LOT FOR STORAGE OF VEHICLES AND PARTS. THE CURRENT EQUIPMENT AND VEHICLES ARE LEFT IN THE ELEMENTS WHICH CAUSE DAMAGE OVER TIME |
| 292 BOOSTER STATION AND WATER LINE REPLACEMENT | 1 | | \$ 9,293,000.00 | BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL. A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION. |
| BIG ELK WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION | 2 | | \$ 2,433,000.00 | BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL. A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION. |
| BUFFALO HORN WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION | 2 | | \$ 2,186,000.00 | BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL AND THE CHECK VALVES HAVE FAILED. THIS AREA CURRENTLY HAS 65% WATER LOSS AND A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION. |
| 645 WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION | 3 | | \$ 1,255,000.00 | BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. THIS STATION NEEDS EQUIPPED WITH A MASTER METER FOR LEAK DETECTION IN THIS AREA. |
| WOLF CREEK/PIGEON ROOST WATER LINE REPLACEMENT | 2 | | \$ 1,315,000.00 | THE WATER LINE IN THIS AREA IS SUBJECT TO MULTIPLE BREAKS EACH YEAR AND CURRENTLY HAS 60% WATER LOSS. NEW LINE IN THIS AREA WITH VALVES WILL REDUCE WATER LOSS AND AID IN LEAK DETECTION IN OTHER LARGE PORTIONS OF THE SYSTEM. |
| MEATHOUSE WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION | 3 | | \$ 7,652,000.00 | THIS WATER LINE IS THE FARTHEST AWAY FROM THE SYSTEM AND AN AREA THAT HAS SHOWN POTENTIAL FOR DBP ISSUES. THE BOOSTER STATION ONLY HAS ONE OPERATIONAL PUMP THAT MUST BE MANUALLY OPERATED CAUSING OPERATIONAL ISSUES. THIS STATION IS SUBJECT TO MULTIPLE POWER OUTAGES AND HAS NOT BACKUP POWER. |
| HODE WATER LINE REPLACEMENT | 2 | | \$ 5,226,000.00 | THIS AREA HAS BEEN SUBJECT TO MULTIPLE LEAKS. IT CURRENTLY |
| CASSELL BRANCH WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION | 3 | | \$ 1,574,000.00 | |
| CREEK CROSSING REPLACEMENT | 2 | | \$ 1,000,000.00 | |
| VALVE INSERTION | 2 | | \$ 750,000.00 | MANY VALVES IN THE SYSTEM ARE INOPERABLE AND IN NEED OF REPLACEMENT. ADDITIONALLY, VALVES ARE NEEDED FOR CONTINUED LEAK DETECTION |
| WATER PLANT HIGH SERVICE PUMP REPLACEMENT | 1 | | \$ 850,000.00 | BOTH PUMPS HAVE BEEN IN SERVICE FOR A LONG TIME AND ARE IN MUCH NEED OF REPLACEMENT |
| PASSENGER TRUCK 4X4 | 1 | 2024 | \$ 60,000.00 | CURRENT VEHICLES ARE INOPERABLE |
| 1 ton 4x4 tool truck with Hoist, Generator, and Compressor | 1 | 2023 | \$ 120,000.00 | CURRENT TRUCK IS OWNED BY SANITATION DISTRICT |
| ROAD BORE MACHINE | 1 | | \$ 15,000.00 | WOULD ALLOW THE DISTRICT TO DOT'S OWN TAPS AND BORES FOR WATER LINE INSTEAD OF CONTRACTING IT OUT. |
| ONLINE TURBIDIMETERS AND CONTROLLER | 2 | | \$ 22,626.00 | CURRENT TURBIDIMETERS ARE OBSOLETE |
| BIG LICK WATER LINE REPLACEMENT AND BOOSTER STATION REHAB | 3 | | \$ 1,877,000.00 | |
| PETER CAVE WATER LINE REPLACEMENT AND BOOSTER STATION REHAB | 3 | | \$ 1,457,000.00 | |
| KERMIT WATER LINE CONNECTION | | | | |
| TOTAL | | | \$ 43,300,626.00 | |

MARTIN COUNTY WATER DISTRICT ANNUAL CAPITAL ITEMS

| RECURRING PROJECTS | YEAR | COST | COMMENTS |
|---------------------------|-------------|----------------------|--|
| 10% METER REPLACEMENT | ANNUALLY | \$ 80,000.00 | AS REQUIRED BY PSC |
| TANK INSPECTIONS/CLEANING | ANNUALLY | \$ 7,000.00 | 1 TANK PER YEAR SHOULD HAVE THEM INSPECTED EVERY 10 YEARS |
| VEHICLE REPLACEMENT | ANNUALLY | \$50,000.00 | ROUTINE FLEET MAINTENANCE AND CHANGE OUT NOT EQUIPMENT EXPENSE |
| TOTAL | | \$ 137,000.00 | |