



## BRIAN CUMBO

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ADMITTED IN KY AND WV

April 14, 2020

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

RE: Martin County Water District  
PSC Case No. 2018-00017

To Whom It May Concern:

Enclosed please find Martin County Water District's Notice of Filing Infrastructure Replacement Plan in compliance with the PSC Order of November 22, 2019.

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  
Hon. M. Todd Osterloh

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF THE )  
MARTIN COUNTY WATER DISTRICT )  
FOR ALTERNATIVE RATE ADJUSTMENT )

CASE NO. 2018-00017

**MARTIN COUNTY WATER  
DISTRICT'S NOTICE OF  
FILING - INFRASTRUCTURE  
REPLACEMENT PLAN**

Comes the Martin County Water District (hereinafter District), by counsel, and hereby gives Notice of Filing of the attached Infrastructure Replacement Plan pursuant to the Commission's November 22, 2019 Order.



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WATER DISTRICT*  
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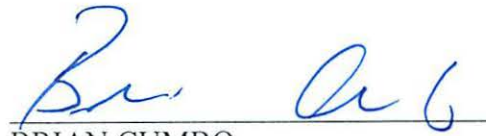
**CERTIFICATE OF SERVICE**

This will certify that a true and correct copy of the foregoing was mailed and emailed on this the 14 day of April, 2020, to the following:

Public Service Commission  
ATTN: Brittany Koenig  
P.O. Box 615  
Frankfort, KY 40602

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

Hon. M. Todd Osterloh  
Sturgill, Turner, Barker & Moloney, PLLC  
333 West Vine Street, Ste. 1400  
Lexington, KY 40507  
*tosterloh@sturgillturner.com*

  
BRIAN CUMBO

**Martin County Water District  
387 East Main St.  
Inez, KY 41224**



## **Infrastructure Replacement Plan**

**Written by Alliance Water Resources, Inc.  
April 2020**



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## **ATTACHMENT**

Bell Capital Project Summary



## SECTION I

### Introduction, Approach, Executive Summary

#### Introduction

Effective January 1, 2020, the Martin County Water District (District) contracted with Alliance Water Resources, Inc. (AWR), to manage and operate the utility. The Water District Board maintains decision making authority and sets policy. Alliance carries out the Board's policies and manages the day-to-day operation of the utility, reporting progress and making recommendations for improvements back to the Board for their consideration. There are currently in excess of \$8,000,000 of Capital Projects underway through the Big Sandy Area Development District with funding from the AML, and other sources. These projects are being designed and managed by Bell Engineering. (See Attachment A)

The Public Service Commission (PSC) has required that AWR submit an Infrastructure Replacement Plan for review by the PSC by 15 April 2020.

#### Approach

Alliance is focused on work force development and building a sustainable management team for the District. To that end, existing staff was heavily involved in determining priority needs for the system. The assembling of this report was a composite effort of the leadership team and included the following:

- Identifying critical needs from an Operator's perspective
- Reviewing Capital projects that are already identified and funded
- Bringing Operators & Engineers together to discuss overlap
- Obtaining High Level Cost Estimates
- Photographing & Documenting Priority Needs.
- Developing a Summary Sheet
- Developing and Action Plan
- Develop a High- Level Cost Estimate
- Identify Funding Source
- Identify Estimated Schedule

In addition, this approach focused on the identification of needs that should be addressed within the next 36 months and should be given higher priority to improve redundancy and sustainability of the existing infrastructure.



## Executive Summary

Three primary concerns that should be focused on while evaluating needs and conducting the infrastructure replacement plan are: 1) Water Quality, 2) Water Loss, and 3) Affordability.

The water quality issue will be greatly improved when two of the three clarifiers have been rehabilitated and are functioning as designed. These items are being addressed through the Big Sandy Area Development Projects primarily funded through the AML. (See Attachment A)

AWR is in the process of implementing a Water Loss Control Program at the District. We are setting up internal systems and training the staff on program implementation. This program will identify problem areas with the largest contribution to the water loss issue. The initial 90 days has involved data acquisition and integrity checks. A leak detection program has been running in parallel, and a correlation of data and detection efforts will allow for focused infrastructure replacement planning.

Affordability is directly impacted by the extra expense due to excessive water loss and debt load that may be required to repair aging infrastructure. Therefore, it is critical that system knowledge be gathered, stored, and evaluated so that dollars spent on rehabilitation yield the greatest impact on water loss or other costly system integrity issues.

While it is the intent of AWR to develop a more detailed 5- year Capital Improvement Plan, there first needs to be a clear understanding of the District’s overall financial situation, as well as time to work through a cycle of the Water Loss Control Program. Currently, there simply is no surplus operational revenue to address all routine repairs or smaller, capital projects. Therefore, although the contract between AWR and the District includes a “Repair Limit” of \$125,000 for routine repairs costing less than \$2,500, AWR is aiming much of the Repair Limit funds, with the District Board’s approval, to perform routine O&M projects and smaller capital projects above \$2,500 to address critical priority needs where possible. The following table is a snapshot of currently identified priority needs funding requirements. The “AWR Repair Funds” column consists of capital projects potentially funded from the AWR Repair Limit.

	AML/ ARC FUNDS	OP REVENUE/ UNFUNDED	AWR REPAIR FUNDS
DISTRIBUTION	\$2,461,000	\$3,050,000	\$57,750
WATER TREATMENT	\$1,227,500	\$10,000	\$45,286
<b>TOTALS</b>	<b>\$3,688,500</b>	<b>\$3,060,000</b>	<b>\$103,036</b>

AML/ARC	Abandoned Mine Lands
AWR RC	Contract Repair Cap Funds
UF	Unfunded
OR	Operating Revenues

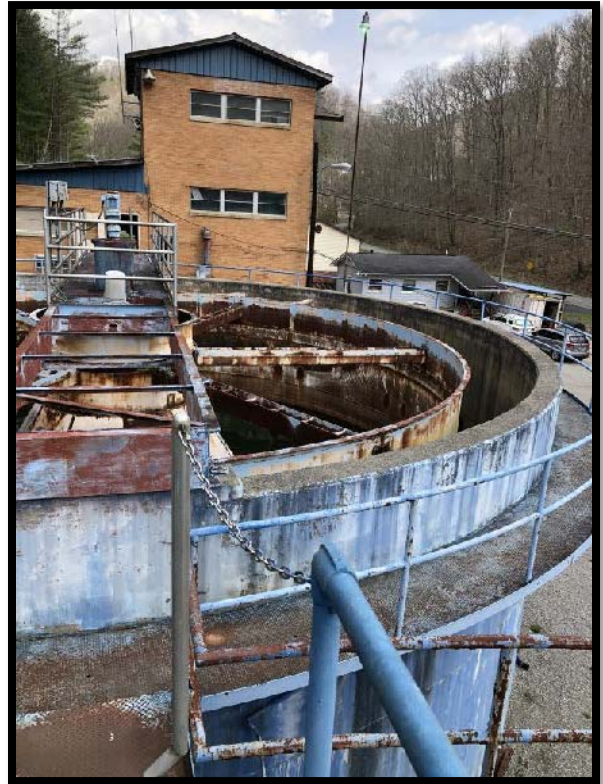


## SECTION II

### Water Treatment Plant

#### Detailed Issues & Recommended Solutions

1. **Refurbish Treatment Unit # 1.** Construct new valve vault; refurbish all piping, tube settlers, tank exterior and many other components; paint. The filters are also part of the Treatment Unit and must also be refurbished. This Unit #1 (shown here) has not been in operation for many years and has seen significant deterioration in the years since it became inoperable. Two of the three treatment units are required to run 24/7 to meet the distribution system's current demand for water. Therefore, in order to clean and/or rehab the plant's other two clarifiers (also overdue), this unit must be put into operation. The clarifiers are a critical component in the treatment process and are necessary for maintaining good water quality. This project is the highest priority of the recommended plant improvements.



2. **Refurbish Treatment Unit #3** including pair of filter beds, filter divider walls, repair rake; replace all filter media; install tube settlers; paint. Check all bearings, motors and gear boxes and repair/replace as needed. The clarifiers are a critical component in the treatment process and are necessary for maintaining good water quality.

3. **Control Upgrades/Replacements:** Install 2 new filter level indicator probes, one for filter #4 and one for filter #6; replace level indicator for the clearwell; replace ethernet card for high service pump #2. These replacements will allow for additional automation and more consistent operation of various plant processes. This project may be included with the Treatment Unit projects. In case the control upgrades cannot be included in those projects, Southern Flow from Alpharetta, GA has provided a quote for parts and installation.

4. **Repair #3 Filter Drain Valve** in order to allow proper filter-to-waste for newly washed filters and to drain the filters properly for any needed ongoing maintenance. A repair quote has been provided by CI Thornburg.





5. **Replace all online turbidimeters**, total of 5, along with software. Filter turbidimeters measure water clarity and are necessary for maintaining good water quality. Hach has provided a quote for the equipment.
6. **Provide new lab equipment**, an online CL17 chlorine analyzer and a bench turbidimeter. Good working lab equipment is needed in order to ensure water quality and to adjust chemical additions and other treatment process on an ongoing basis. Hach has provided a quote for the equipment.
7. **Repair roof** over the chemical storage room (shown to the right) which leaks badly when it rains. Roof repairs will help prevent deterioration of plant equipment, extending their useful lives. This project is likely to be included with another plant project.
8. **Replace at least seven chemical metering pumps** for chlorine, caustic and sodium permanganate. Good working, reliable chemical metering pumps help ensure water quality and dose chemicals efficiently.
9. **Install better, safer access into the valve vaults** for Units #2 and #3 to better protect employees entering the vaults for routine and emergency operations and maintenance. This project may be included with another plant project.
10. **Add a Turkey pump and motor** for redundancy/reliability. *(Completed 3/18/2020)*



A summary of these projects is shown on the table on the following page.



**PRIORITY NEEDS**  
**MARTIN COUNTY WATER DISTRICT**  
**WATER TREATMENT PLANT**

ITEM 1	NAME	DESCRIPTION	COST EST	FUNDING SOURCE	PROJ COMP DATE	COMMENTS
1	UNIT 1 REFURB	Refurbish treatment unit # 1, constructing new valve vault, also all required piping.	\$850,000	USACE & AML	3RD QUARTER 2021	
2	FILTERS	Repair filter beds treatment unit # 3	\$350,000	USACE & AML	3RD QUARTER 2021	Evaluate actual needs
3	PROBES	Need #4 and #5 filter level indicator probes, also 1 plant clearwell level probe	\$11,480	AWR RC	3RD QUARTER 2020	Southern Flow did the original install and setup
4	DRAIN VALVE	Repair #3 filter drain valve.	\$3,097	AWR RC	Dec-20	CI Thornburgh did the original install and set up
5	ONLINE TURBS	Replace 5 online turbidimeters, plus 1 controller, Hach Equipment	\$18,150	AWR RC	Dec-20	Annual \$4,478.55 is for calibrateing and maintance
6	LAB EQUIPMENT	New lab equipment, CL17 chlorine analyzer, bench turbidimeter	\$6,605	AWR RC	2ND QUARTER 2020	Separate pricing from Hach
7	ROOF REPAIR	Construct new roof over chemical room	\$27,500	USACE & AML	3RD QUARTER 2021	Might be under estimated
8	CHEM FEED PUMPS	New chemical feed pumps	\$3,800	AWR RC	Jun-20	7 Peristaltic pumps, USA BlueBook
9	DOORS	Install doors that will lead into the valve vaults for unit #2 and unit #3, or a better ladder system	\$10,000	UF	4TH QUARTER 2020	Estimated costs
10	TURKEY PUMP	Replace turkey tank pump and motor	\$2,154	AWR RC	COMP	Repaired and then installed 3/18/20
Total			\$1,282,786	AML	Abandoned Mine Lands	
AML/ARC			\$1,227,500	AWR RC	Contract Repair Cap Funds	
AWR			\$45,286	UF	Unfunded	
UF/OR			\$10,000	OR	Operating Revenues	

### SECTION III

#### Distribution System

#### Detailed Issues & Recommended Solutions

The District's water storage tanks at the plant and throughout the distribution system need regular cleaning and inspection. The staff has been unable to determine the last time the tanks were last inspected and/or cleaned or what the results of the inspections were. This will be further investigated and recommendations will be developed for implementation of a tank maintenance plan.



Distribution system improvements that have been investigated and evaluated to date are described in the following list. A summary of these projects follows the project descriptions.

1. **Excessive Water Loss.** The District has excessive water loss causing inefficient operation, high user rates and financial instability. A water loss management plan has been put in place to address the issue. (See flowchart on the following page)
2. **Meters.** Locating, reading and testing meters are critical to proper billing. Old or improperly functioning meters must be repaired or replaced. Causes of metering issues include:
  - Some meter locations were unknown
  - Previous estimates/incorrect reads
  - Lack of staff training/standard practices
  - Poor scheduling/inefficiency
  - Lack of meter testing
  - Little or no meter repair or replacement

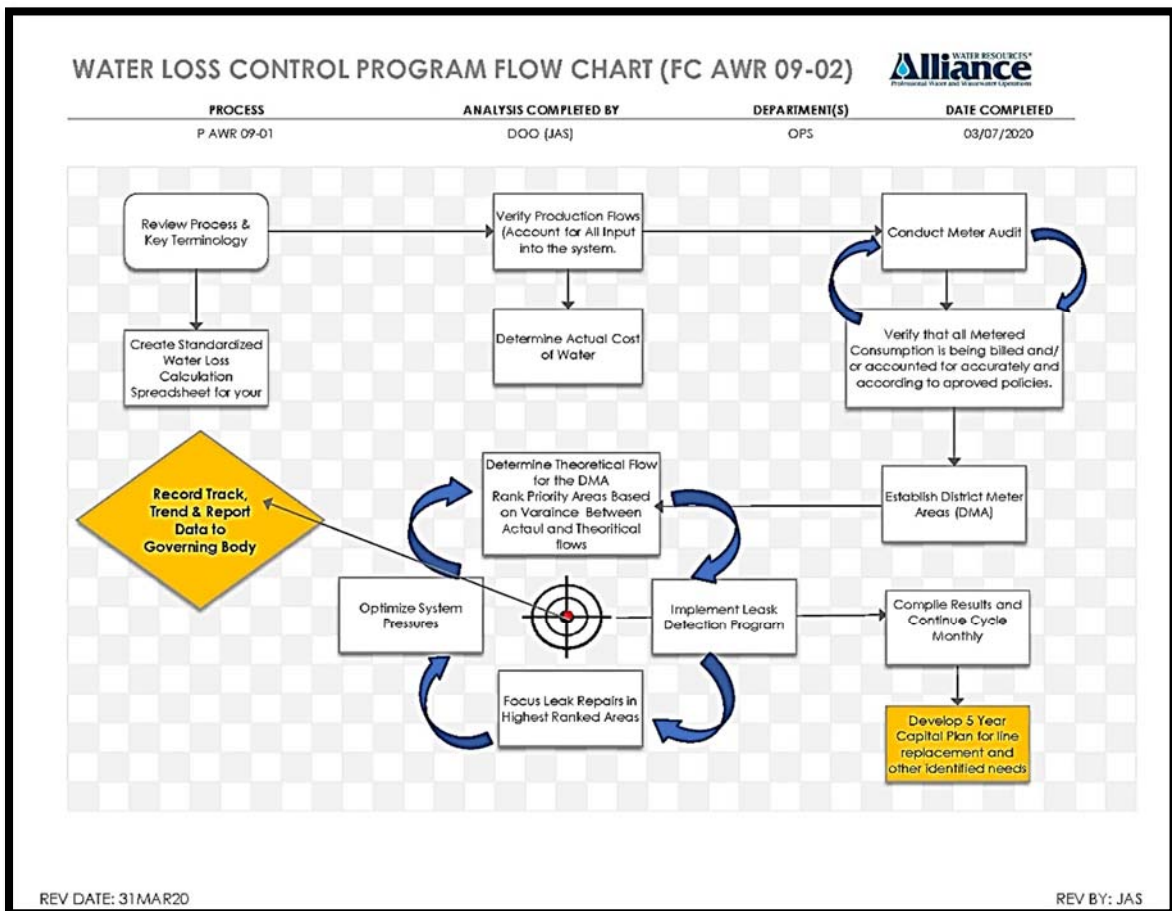
A plan was set in place in January 2020 to correct these issues. The plan is currently being implemented including identification and location of every customer meter as well as direct communication with the District's customers.

3. **Substandard Billing Software.** The billing software for the District is substandard. The software's key deficiencies include:
  - Unsecured data including customer information
  - Inadequate management reporting functions
  - Single point of failure with proprietary software

By June 30, 2020, modern billing software will be installed and operating to ensure data security, accurate billing and management systems for better identification and tracking of customers, bills and collections.



4. **Lack of Scada.** The lack of supervisory control and data acquisition (SCADA), specifically at water storage facilities limits efficient operation of those facilities. SCADA allows system operators to more quickly troubleshoot problems and minimize water loss at remote locations. SCADA projects have been identified and will be constructed as funds (including capital funds) become available.
5. **Pressure Management.** Improper operation of maintenance of pressure reducing valves (PRV's) has led to inefficient water pressure management. Excessively high pressures often lead to leaks and excessively low pressures lead to customer dissatisfaction and/or cross connections. The staff is currently locating and maintaining each PRV to ensure proper pressure settings and continuing operation.
6. **Failing distribution mains and services.** Poorly constructed lines along with poor operating practices & repair methods have led to a distribution system riddled with leaks. A leak detection program is now in place including identification of the most critical areas for capital main replacement projects. The previously identified Warfield/Beauty main replacement project is currently underway. To address historically poor construction methods and materials, the District is writing standard construction specifications for water mains and service lines. These standards will be provided to contractors beginning June 30.



**PRIORITY NEEDS**  
**MARTIN COUNTY WATER DISTRICT**  
**DISTRIBUTION SYSTEM**

ITEM 1	NAME	DESCRIPTION	COST EST	FUNDING SOURCE	PROJ COMP DATE	COMMENTS
1	RR Meters	3000 RR Meters Software & Installation	\$1,000,000	UF	* 6 Months from Award	ASAP When Funding Identified (Estimate on Recent BSADD quotes)
2	RR Meters	ALTERNATE _AWR INSTALLS_3000 RR Meters Software & Installation	\$630,000	UF**	18 Month From Award	AWR Staff Installs ( increased time - reduced project costs) **
3	Scada	Scada at all Booster Stations and Tanks	\$50,000	UF		Estimate based on recent quotes from SAMSARA Equip & 6year license
4	Main Replacement	Warfield Beauty	\$1,261,000	AML	Apr-21	9,600 ft and appurtenances
5	4"	400 ft Main Replacement Town Point Curve	\$5,500	AWR RC	COMPLETE	Materials Only ( AWR Staff Replaced)
6	4" Main Replacement	Various Locations as Identified by Need	\$41,250	AWR RC	18 Months	Repair/ Replace as identified ( materials only)
7	Incode	New Billing Software	\$11,000	AWR/OR	Jul-20	To be reimbursed by District-Annual Fee
8	Main Replacement	Priority Areas to be Totally Rehabbed Following Water Loss Program identification of Critical Areas	\$2,000,000	UF	36 Months	Project to be identified and ready when funding acquired
9	Lovely Main Replacement	Areas identified earlier and currently funded through ARC funds	\$1,200,000	ARC	Jun-21	ARC Grant-11,975 ft
Total			\$5,568,750			
AML/ARC			\$2,461,000			
AWR			\$57,750			
UF/OR			\$3,050,000			

AML/ARC	Abandoned Mine Lands
AWR RC	Contract Repair Cap Funds
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**MEETING AGENDA**  
**ENGINEERING DESIGN - PROGRESS MTG #11**  
**MARTIN COUNTY WATER DISTRICT**  
**MARTIN COUNTY, KENTUCKY**  
**April 9, 2020**

**LOCATION:** Via Teleconference  
**TIME:** 3:00 PM  
**Present:** Announcement of Those Present

**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. 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<sup>th</sup>, 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<sup>th</sup>, 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. Based on an update provided by Xylem, the 2 MG pump, 4 MG pump, 2MG variable speed drive, 4 MG variable speed drive and the river screen are complete.
8. The 2 MG pump belonging to Xylem is still onsite at the Raw Water Intake. MCWD is not paying pump rental charges.

**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 is complete and has been distributed.
4. The Phase I Environmental Site Assessment required by the Corps of Engineers is complete and has been submitted.
5. Vendor proposals for replacement equipment were requested and reviewed.
6. Plans and specifications have been developed.
7. Awaiting answers to questions concerning transport and storage of the raw water pumps along with questions concerning the roof at the water treatment plant (Distributed January meeting).
8. Project mapping for NEPA purposes was submitted to AML on February 6<sup>th</sup>.
9. Project description and Opinion of Probable Construction Costs were submitted to AML on February 17<sup>th</sup>.
10. Project was submitted for DOW review on March 13, 2020.
11. Project was submitted for COE 4345 Permit Application review on March 20, 2020
12. Project has been submitted to COE and is undergoing Plan and Specification Review.

**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 all the features affecting alignment of the waterline has been completed including gas lines.
4. The Phase I Environmental Site Assessment required by the Corps of Engineers is complete and has been submitted.
5. Plans and specifications have been developed.
6. Awaiting answers regarding the types of valves, meters, etc. to specify for the project (Distributed January meeting).
7. Project mapping for NEPA purposes was submitted to AML on February 10<sup>th</sup>.
8. Project description and Opinion of Probable Construction Costs were submitted to AML on February 17<sup>th</sup>.
9. Project was submitted for DOW review on March 13, 2020.

10. Project has been submitted to COE and is undergoing Plan and Specification Review.
11. Project has been submitted to KYTC and is undergoing Encroachment Permit review.

**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<sup>st</sup> to coordinate collection of field data the week of July 8<sup>th</sup>. This effort is for calibration of the Hydraulic Model.
4. UK professors and 3 students traveled to Martin County on July 8<sup>th</sup> 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<sup>th</sup>; however, MCWD had some major line breaks on July 9<sup>th</sup> 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<sup>th</sup> and 7<sup>th</sup>, however, on August 5<sup>th</sup> 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<sup>th</sup> and 15<sup>th</sup>.
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 has delivered testing forms to Bell.
10. Development of the model is ongoing. PRVs, tanks, lines, etc. have been input.
11. Working with Alliance Resources in an effort to obtain usage and address information for each customer to effectively distribute demand throughout the system.



**E. COE 531 AGREEMENT**

1. Bell provided a Scope of Work to the COE on May 15<sup>th</sup>.
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.
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).
6. BSADD has forwarded work to date related to the Environmental Assessment to the COE and COE to determine if additional work is to be performed.
7. BSADD received a request for additional information related to the Environmental Assessment this past Sunday and is working through them.

**F. CONTRACT 113-19-04  
ARC WATERLINE REPLACEMENT PROJECT**

1. Bell received the signed contract on August 2<sup>nd</sup>.
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.
4. Location of all features affecting alignment of the waterline has been completed including gas lines.
5. Plans and specifications have been developed.
6. Awaiting answers regarding the types of valves, meters, etc. to specify for the project (Distributed January meeting).
7. Project was submitted for DOW review on March 27, 2020.
8. Project has been submitted to KYTC and is undergoing Encroachment Permit review.

**G. CONTRACT 695-19-01  
HIGH SCHOOL WATER STORAGE TANK & BOOSTER PUMP STATION  
TELEMETRY**

1. Bell received the signed contract on August 14<sup>th</sup>.
2. The project was advertised for bids on August 21<sup>st</sup> and was advertised a second time on September 11<sup>th</sup>.
3. Bids for the project were opened September 26<sup>th</sup> @ 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<sup>th</sup>. They were forwarded to the contractor along with the Notice to Proceed with construction on March 3, 2020.
  8. Initial information from the Contractor concerning the FCC licensing process has been received.
  9. The Contractor has submitted shop drawings of the equipment to be used as part of the project. Bell Engineering is reviewing the equipment for conformance with the contract requirements.

#### **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. An 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 the last MCUD meeting. A contract is being prepared for review and signature.
6. The project budget will be adjusted to include administrative fees for the BSADD prior to any applications for project funding being submitted.

7. A meeting was held with a representative of the Economic Development Administration (EDA) to discuss the project.

**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.
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 have been in the field reviewing 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 are coordinating 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<sup>th</sup>.
7. On March 3<sup>rd</sup>, the property owner advised most of the property is permitted with only a phase one bond release.
8. We are attempting to set up a date to walk the site with the property owner either next week or the following week.

*Progress Meeting #12 will be held May 13, 2020 at 11:00 AM. It will be conducted through Zoom or other electronic means with the Division of Water sending out login information prior to the meeting date.*