

**Gateway Area Development District
Water Management Council Meeting**

September 26, 2017

12:30 PM

Frenchburg City Hall
Clark Energy Building
Frenchburg, KY

Water Management Council Members

Larry Workman, Cave Run Water Commission	Kenny Barber, Bath County Water District
Jerry Patrick, Rowan Water, Inc.	Mayor Jim Tom Trent, City of Morehead
Rick Fletcher, Mt. Sterling Water and Sewer	Mayor Edward Bryant, City of Frenchburg
Judge Bobby Rogers, Bath County Fiscal Court	Judge Walter Blevins, Rowan County Fiscal Court
Judge Rick Stiltner, Menifee County Fiscal Court	Judge Wallace Johnson, Montgomery County Fiscal Court

Guests

Tony Harover, Bell Engineers	Kerry Odle, HMB Engineers
Lori Dials, KDOW	Billy Winkleman, Winkleman Consulting
Ryan Reed, KDOW	Troy Hogge, Kentucky Engineering Group
Jonathan McCracken, Strand Associates	Elaine Cartmell, Summit Engineering
Shane Noem, Senator Mitch McConnell	Joe Fryman, Representative Andy Barr
Ethan Fryman, Kentucky Engineering Group	Larry Tackett, Morehead Utility Plant Board
Mark Sanders, Summit Engineering	Brad Reed, Mt. Sterling Water and Sewer
Andy Lange, KRWA	Bruce Brooks, Telecom Audit Group
Sherri Greene, Bath County Water District	

Gateway Area Development District Staff

Gail K. Wright	Joshua Farrow
Emily Jordan	

Meeting Notes

Judge-Executive Wallace Johnson called the meeting to order and welcomed those in attendance. All Water Management Council members and guests introduced themselves and their affiliation.

The first item on the agenda was the review and approval of the June 27, 2017, meeting notes. A motion to approve the minutes was made by Rick Fletcher with a second by Judge Bobby Rodgers. The motion carried unanimously.

The second item on the agenda was the review and approval of the August 17, 2017, Executive Committee meeting notes. A motion to approve the minutes was made by Rick Fletcher with a second by Mayor Jim Tom Trent.

The third item on the agenda was the review and Endorsement of Water/Wastewater Projects. Two new projects and two project revisions were presented.

SX21165019 – City of Frenchburg – US 460 Sewer Line Extension Project Description: This project proposes to extend sewer line service along US 460, east of the City of Frenchburg. Approximately 4,200 LF of 4" PVC force main will be installed to connect to an existing City of Frenchburg sewer line. The project will also install a new lift station with an approximate capacity of 65 GPM. The possibility of up to five residential customers could be served as well. The extension of sewer line service will serve an area of the county being considered for future development.

Estimated Budget: \$323,930

A motion to accept the project was submitted by Judge Rick Stiltner with a second by Judge Bobby Rogers. The motion carried unanimously.

WX21165024 – City of Frenchburg – US 460 Waterline Extension Project Description: This project proposes to extend waterline service approximately 1,200 LF along US 460 in Menifee County. To construct the proposed 10" PVC waterline, an interconnection (master meter pit) and control valve will be installed to connect with Cave Run Water Commission, a wholesale provider to the City of Frenchburg. By connecting to Cave Run Water Commission's 14" waterline, this will ensure adequate water supply and pressure to an area of the county being considered for future development.

Estimated Budget: \$121,500

A motion to accept the project was submitted by Judge Rick Stiltner with a second by Kenny Barber. The motion carried unanimously.

SX21165010 – Menifee County Fiscal Court – System Improvements Project Description: Menifee County Sanitation District is a package treatment sewer collection system located in Means. The sewer collection system has approximately 120 customers. The proposed project will connect Menifee County Sanitation District #1 to Montgomery County Sanitation District #2 via approximately a 35,750 LF 6" PVC interceptor force main. The proposed force main will connect to an existing 6" abandoned force main within Montgomery County Sanitation District's system. The abandoned force main will transmit the flow from the proposed force main directly to the Montgomery County Sanitation District #2 WWTP for treatment. To pump the flow from Menifee County Sanitation District #1's collection system through the proposed 6" force main, necessary rehab to the Main Lift Station #1 (Menifee County Sanitation District #1) must be made. This includes increasing the capacity of the lift station from 90 GPM to approximately 150 GPM. A flow meter (KISOP) will also be installed at the lift station location to meter the flow being pumped to Montgomery County Sanitation District #2. The existing package treatment plant will be decommissioned and demolished. Smoke testing and a manhole inspection will be performed on Menifee County Sanitation District's collection system to reduce I & I.

Estimated Budget: \$1,369,260

**Change in the scope of work; budget decrease*

A motion to accept the project revision was submitted by Jerry Patrick with a second by Mayor Edward Bryant. The motion carried unanimously.

WX21205048 – City of Morehead/Morehead Utility Plant Board – Regional Water Treatment Plant Construction Project Description: PLANNING & DESIGN LOAN (SRF FY 2018) -

Morehead Utility Plant Board proposes to construct a new 12 million gallons per day (MGD) regional water treatment plant (WTP) to replace the existing 8 MGD WTP. The existing treatment plant was constructed in 1968 and currently requires continuous maintenance to adequately serve approximately 3,500 customers in and around Morehead and two wholesale customers, Bath County Water District and Rowan Water, Inc. Many of the WTP components are original to the 1968 facility, including the backwash pump. Other components such as the high service pumps, belt filter press, and filter controls date back to the 1980's expansion. Given the age of most of the equipment, repairs must be retrofitted and/or custom-made as replacement parts are no longer readily available. These issues result in repair delays, increased maintenance costs, and potential interruption in water service to customers.

The proposed 12 MGD regional WTP will feature new and improved technologies that have been introduced to the treatment process since the last major expansion of the existing plant in 2002. The plant will employ Actiflo treatment technology with gravity filtration. The new WTP will include all new treatment and administration facilities on a site near the existing WTP, upgraded SCADA/telemetry for the WTP and distribution system sites along with an increased clearwell capacity of 1,500,000 gallons (currently 1,237,000 gallons). The site will be secured through the construction of security fencing to surround the facility.

The new water treatment plant will not contain treatment components to comply with cryptosporidium requirements of the LT2 rule. To the best of our knowledge, the City of West Liberty and Cave Run Water Commission, two other utilities which utilize Cave Run Lake as their water source, have never had a positive raw water cryptosporidium sample.

The project will also include the construction of a new raw water intake structure on Cave Run Lake. The new intake will be a fixed structure and will allow variable intake depths. The existing intake structure is located approximately three miles below the Cave Run Lake dam on the Licking River. Within a three month period, maintenance costs to rebuild one pump, repair pump bases, and replace wiring at the existing aging water intake totaled approximately \$100,000. The pump rebuild took weeks to complete, and could have resulted in water treatment interruption should one of the two remaining pumps have required repair. The new intake location will provide several benefits including decreased chemical costs, low raw water turbidity, and avoiding debris and grit from being pumped to the WTP. The Cave Run Lake raw water intake structure will include a new 1,000 kW standby diesel generator. The intake structure will feature security fencing to encompass the site. Approximately 7,500 LF of 24" DI pipe will be installed to connect the intake structure to the water treatment plant.

Estimated Budget: \$28,428,000

**Budget increase*

A motion to accept the project revision was submitted by Judge Walter Blevins with a second by Mayor Jim Tom Trent. One nay vote was recorded by Jerry Patrick, with Rowan Water, Inc. The motion carried.

Mr. Joshua Farrow introduced the first guest speaker, Mr. Andy Lange, with Kentucky Rural Water Association (KRWA). Mr. Lange discussed KRWA’s recently funded ARC project. KRWA was granted \$200,000 of ARC funds and provided a \$50,000 match. Most of the funds, as Mr. Lange discussed, will be devoted to KRWA’s circuit rider/technical assistance. Grant funds will be used to assist water and wastewater systems in the 54 counties in the ARC service area. KRWA has a sewer camera van that can inspect problem areas in sewer systems, as well as a Spin Doctor, which helps exercise valves. KRWA can also conduct smoke tests and manhole inspections. These services will now be free of charge to utilities within 54 counties in the ARC service area.

Additionally, with the ARC funds, KRWA will be performing water and sewer rate studies for municipalities and water districts/associations. Due to time and funds, this service will be limited.

Finally, with the ARC funds, KRWA will assist the Kentucky Infrastructure Authority (KIA) in servicing loan portfolios within the 54 counties in the ARC service area. KRWA will visit all borrowers in the 54 counties at least once a year, with inspections starting in year two. With the funds, KRWA will also speak at various engagements throughout the 54 county ARC service area.

Following Mr. Lange’s presentation, Mr. Joshua Farrow introduced the second guest speaker, Mr. Bruce Brooks, with Telecom Audit Group (TAG). Mr. Brooks provided an overview of the services TAG offers. TAG specializes in water, electric, gas, telecom, and government auditing. As Mr. Brooks discussed, TAG has no risks and no upfront costs. TAG collects various bills, such as bills for cell phones, Wi-Fi, cable, etc. and performs an audit on those invoices. Once the audit is complete, TAG will present the findings and suggest recommendations. If an agreeance is made on the recommendations, TAG will then share the savings, 50/50, for a 24-month period.

In other business, Mr. Joshua Farrow discussed FY 2018 project rankings. Starting January 2018, a small working committee will be established to aid in the review and potentially suggest changes to the current ranking methodology. The working committee will include executive committee members and/or a representative from each county. To conclude, water and wastewater systems in attendance gave brief updates on projects ongoing in their systems:

Mt. Sterling Water and Sewer	<ul style="list-style-type: none"> • Maysville Rd. Emergency Project • Maysville Ave. Waterline Replacement • East & West High St. Waterline Replacement
Morehead Utility Plant Board	<ul style="list-style-type: none"> • 158 Sewer Extension (35% Complete)
Rowan Water, Inc.	<ul style="list-style-type: none"> • New project just started that includes the following: <ul style="list-style-type: none"> ○ Tank Rehab ○ New Tank ○ New Pump Station ○ New Master Meter

The next Water Management Council Meeting is scheduled for December 1, 2017.

With no further business, Judge-Executive Wallace Johnson asked for a motion to adjourn at 1:18 PM. Judge Bobby Rogers motioned that the meeting be adjourned, and Rick Fletcher seconded that motion. The motion passed unanimously.

These minutes are respectfully submitted by:

Emily Jordan
Emily Jordan, Gateway Area Development District

09/29/17
Date