

Amended Project Profiles

Anderson County

Project Name: Lawrenceburg - Alton Vacuum Sewer System Replacement Phase 4

Project Number: sx21005006

Engineer: Monty Rhody, City of Lawrenceburg

Cost Estimate: \$1,670,000

Funding Committed: \$0

Project Description: This project consists of replacing an existing failed vacuum sewer system with a low pressure sewer system. There will be approximately 27,000 feet of 3" and 2" force main, 15,000 feet of 1.25" force main and 150 simplex grinder stations. The existing vacuum sewer system was installed in the 1970's and has never operated properly.

The environmental protection agency has recognized that this is a failed technology and previously awarded the community a grant in the amount of \$2,000,000 which was used to construct phase 2 and phase 3 portions. The previous phases served approximately 300 households. This project, which is phase 4, will provide a reliable sewer collection system. Currently we are experiencing many failures due to age of the system and limitations of the system design. This phase will serve 205 households.

Update to narrative and number of customers served by project.

Bourbon County

Project Name: City of Paris Amr System Upgrade (Automatic Meter Read) Project

Project Number: wx21017011

Engineer: Mark Askin, Strand Associates

Cost Estimate: \$100,000

Funding Committed: \$0

Project Description: Change water meters to enable drive by reading.

Status Change – Project is under construction.

Estill County

Project Name: Wisemantown Sewer Extensions

Project Number: sx21065002

Engineer: Robert Williams, Bell Engineering

Cost Estimate: \$3,800,000

Funding Committed: \$2,300,000

Project Description: This project is comprised of the construction of gravity sewers, a force main and a lift station to serve the Wisemantown community of Estill county. The project will deliver sewage to the new Irvine Municipal Utilities sewage plant via a lift station and force main across the Kentucky River. Wisemantown residents are currently on septic systems or a small package sewage plant that serves a mobile home park.

Budget, impacts, mapping updated.

Franklin County

Project Name: Rolling Acres I&I Phase 1

Project Number: sx21073067

Engineer: Angela Johnston, Qk4, Inc.

Cost Estimate: \$2,950,030

Funding Committed: \$1,500,000

Project Description: The Rolling Acres neighborhood sewer system experiences excessive infiltration and inflow during wet weather events causing sanitary sewer overflows. The Rolling Acres I&I Phase 1 project area includes approximately 33,000 linear feet of collection sewer. The project shall include replacement of approximately 1,600 linear feet of 8-inch sewer including replacement of 6 manholes, replacement or repair of a 20 foot long retaining wall, sliplining approximately 10,511 linear feet of sewer, approximately 52 sewer main point repairs, and replacement of approximately 90 property service connections including cleanouts.

Updated narrative, budget and mapping to match clearinghouse.

Project Name: Phase I Collection System & 0.75 MGD WWTP

Project Number: sx21073029

Engineer: Ray Bascom, HMB

Cost Estimate: \$12,250,000

Funding Committed: \$1,423,000

Project Description: This project will provide new public sanitary sewer service to approximately 821 customers (436 in Coolbrook, 135 in Edgewood and 250 equivalent customers at Stewart Home School) in the area of Franklin County south of I-64. This area is currently served by privately owned wastewater systems that have a history of poor performance and violations with DOW. The project includes construction of 0.75 MGD WWTP, three (3) large pump stations, approximately 11,000 LF of associated force mains, approximately 9,300 LF of 10", 12" and 16" interceptor sewer with approximately 40 associated manholes. This is the first phase of a larger, long-term project.

The project will remove three (3) existing package WWTP's and replace them with the above mentioned pump stations to convey sewage to the proposed new WWTP. The City of Frankfort has given preliminary indication of willingness to discuss entering into agreement to operate and maintain the proposed infrastructure on Farmdale Sanitation District's behalf. This project is in accordance with the 2009 DOW approved Wastewater Facility Plan.

Updated narrative, budget, impacts, mapping.

Project Name: Kentucky Avenue Interceptor Renovation

Project Number: sx21073059

Engineer: Michael Davis, Strand Associates

Cost Estimate: \$4,905,000

Funding Committed: \$4,905,000

Project Description: The Kentucky Avenue Interceptor is a major component in Frankfort's wastewater collection and conveyance system. The Interceptor receives all of Frankfort's wastewater and conveys it to the wastewater plant for treatment. The interceptor is comprised of two parallel pipe systems. One pipe was constructed in the mid 1950s using vitrified clay pipe. The second pipe was constructed in the early 1980s using reinforced concrete pipe. This major interceptor has significant deterioration. Additionally, increased interceptor capacity is required by the CSO Long Term Control Plan. This project constructs a new interceptor sewer to replace the existing interceptor, and renovates a portion of the existing interceptor that will remain in service. The project consists of approximately 4300 feet of parallel sewer with associated manholes and interconnects. Approximately 5,000 feet of existing interceptor will be rehabilitated.

Status change – project is under construction.

Project Name: Two Creeks #2 Pump Station & Force Main Replacement

Project Number: sx21073012

Engineer: Richard Smith, Quest

Cost Estimate: \$1,200,000

Funding Committed: \$200,000

Project Description: Wastewater collection system project. Includes replacement of existing two creeks #2 pump station and installation of 1300 LF of 6" force main to replace existing 4" force main. Project will reduce and potentially eliminate the sanitary sewer overflow (SSO) at the two creeks #2 pump station.

Status change – project is under construction.

Project Name: Bon Air Pump Station & Force Main Replacement

Project Number: sx21073006

Engineer: Richard Smith, Quest

Cost Estimate: \$2,300,000

Funding Committed: \$2,300,000

Project Description: Wastewater collection system project. Includes upgrade of existing Bon air pump station and installation of 6700 LF of 18" force main to replace existing 12" force main. Project will reduce and potentially eliminate three sanitary sewer overflows (ssos) in the two creek area.

Status change – project is under construction.

Mercer County

Project Name: Gwinn Island Road Sanitary Sewer Extension

Project Number: SX21167019

Cost Estimate: \$1,525,676

Funding Committed: \$0

Project Description: Gwinn Island Road is located in northeast Boyle County within the Mocks Creek watershed, along the Herrington Lake shoreline. The project scope will include the construction of a low pressure collection system consisting of approximately 10,000 LF of small diameter force main, along with the installation of approximately 65 residential grinder pump stations to serve the existing homes located along the road. In addition to providing service to the homes, the project will also include service to the Gwinn Island Marina and Resort. Gwinn Island Marina and Resort consists of a full service marina with approximately 50 boat slips, 30 rental cabins, and an RV Park. The project will allow the marina to expand the RV Park, as well as increase the occupancy rate of the cabins year round. Most importantly, the project will eliminate aged and inadequate onsite septic systems currently serving the properties, reducing the infiltration of sewage to the watershed, while enhancing the water quality of the lake, as well as protecting the public health of residents and visitors to the area. Herrington Lake serves as the drinking water source for communities located in Boyle, Mercer, Garrard and Lincoln Counties.

The project scope will also include a 2,500 LF extension of the existing low pressure collection system along Cold Springs Drive in Southern Mercer County to serve 14 properties currently served by septic tanks. In addition to Cold Springs Drive, 7 properties located along Beaumont Avenue in Harrodsburg will receive sanitary sewer service from the existing low pressure collection system. Approximately 1,300 LF of 1.25" force main will be installed to remove the septic tanks from service.

Updates to narrative, budget, mapping.

Nicholas County

Project Name: NCWD - Headquarters Road and Stoney Creek Road Improvements

Project Number: wx21181007

Engineer: Joseph Sisler, Sisler-Maggard Engineering

Cost Estimate: \$185,000

Funding Committed: \$0

Project Description: This project is a continuation of a comprehensive line improvement and replacement project for Nicholas County Water District. This is the 10th phase of work being completed. Previous work was completed with both an RD grant and loan. Under this 10th phase of work, NCWD will replace approximately 10,600-ft of 4-inch asbestos-cement pipe with new 4-inch PVC pipe along Headquarters road. This will help eliminate water loss and provide improved service to 35-underserved customers. The second part of the project involves extending 2,600-ft of new 4-inch PVC waterline along Stoney Creek Road. This new line extension will provide new service to 2 unserved customers.

Status Change – Project is under construction.

Jessamine County

Project Name: Wilmore WWTP Sludge Handling Improvements

Project Number: sx21113025

Engineer: Alan Bryan, GRW

Cost Estimate: \$3,710,000

Funding Committed: \$0

Project Description: This project will add new sludge handling facilities at the Wilmore wastewater treatment plant. This project will replace the old deteriorating aerated sludge holding basin and eliminate the annual cost of having a contractor come to the site to and remove the sludge. Facilities include new sludge holding tanks, aeration equipment, sludge pumps, press and associated appurtenances. This project will also replace existing chemical feed systems, add chemical feed facility to aid in the removal of phosphorus and repair screenings dumpster room.

This project was formerly a component of Wilmore project sx21113003 but the City decided to pursue it as its own project.

The City of Wilmore is at latitude 37° 51' 43" and longitude 84° 39' 41" in Jessamine County, Kentucky. The project planning area includes all of the area within the city limits as well as surrounding, adjacent areas. The current area within the city limits contains 1,989 acres, and the total planning area is 5,549 acres. The actual project site is the WWTP, which discharges to town branch, a tributary of Jessamine creek, located in the lower Kentucky river basin. The City is currently in the process of acquiring 8 acres of property.

Updated narrative, budget, plans and specs.

Mercer County

Project Name: MCSD - Kennedy Bridge Road Sanitary Sewer Improvements Project

Project Number: sx21167021

Engineer: Liz Dienst, Strand Associates

Cost Estimate: \$848,000

Funding Committed: \$0

Project Description: The project consists of new sanitary sewer collection mains which will be extended from an existing system in Chimney Rock, a densely populated area of the Herrington Lake watershed. Portions of the existing collection system may also be upgraded. The existing collection system is connected to a privately owned package treatment plant. The KPDES permit for the plant indicates that capacity is available to provide treatment for additional properties located in the vicinity of the plant. The plant discharge is currently in compliance, but the plant is aging and requires renovation to maintain reliable operation, therefore the scope will include an upgrade to the existing package treatment plant. This upgrade will include new structure and new equipment. The areas to receive new sewer service include 1599 Kennedy Bridge Road, a mobile home park consisting of 25 lots, located in eastern Mercer County, on the Herrington Lake shoreline. The properties are currently served by inadequate and failed septic systems that have resulted in legal proceedings being initiated by the Mercer County Board of Health. Property owners have been found to be in violation of state health code regulations, as well as local ordinances enacted to protect the public health of citizens, Also to be included in the project scope is Maple Hill Subdivision consisting of 9 single family homes currently served by onsite septic systems and an apartment complex located at 1603 Kennedy Bridge Road, consisting of 15 residential apartment units served by an onsite septic system.

Updated budget, funding sources.

Powell County

Project Name: Water Treatment Plant Floor Repair

Project Number: wx21197011

Engineer: Robert Williams, Bell Engineering

Cost Estimate: \$1,186,500

Funding Committed: \$20,000

Project Description: The Beech Fork Water Treatment Plant is experiencing structural deterioration in the floor slab which may lead to operational problems. This project will involve the construction of an additional structure to house the electrical switch gear, chlorine injection and storage equipment and fluoride storage and injection equipment. After construction and relocation of the electrical and chemical components, the condition of the existing water treatment plant structure will be addressed to insure that the water treatment plant will continue to provide reliable service.

Status Change – Project is under construction.

New Project Profiles

Lincoln County

Project Name: City of Hustonville - Water System Improvements - Phase II

Project Number: wx21137050

Engineer: Phillips Meador, Kenvirons

Cost Estimate: \$628,000

Funding Committed: \$50,000

Project Description: This project will replace undersized 6" and 4" water lines with 8" and 6" looped water lines to provide adequate pressure and volume for existing services, as well as fire protection for more customers in the north Hustonville community service area.

New Project Profiles

Lincoln County

Project Name: City of Stanford - Water System Upgrades

Project Number: wx21137051

Engineer: Vaughn Williams, Kenvirons

Cost Estimate: \$2,690,000

Funding Committed: \$0

Project Description: This project will help improve water pressure and replace aging and tuberculated cast iron waterlines that have been in service since the 1950's. A major portion of this project will be replacing a cross country 8" cast iron waterline which provides water directly to the City from the water treatment plant. This waterline needs to be replaced very soon due to its necessity and the fact that it is aging and has experienced many breaks. The remainder of the project will be various system wide replacements and connections of dead-end waterlines to create loops throughout the system.

Bluegrass Area Water Management (409) Council
Friday, 9:30 AM, October 16, 2015
Bluegrass ADD Conference Room
699 Perimeter Drive
Lexington, Kentucky

- I. Call to order of the Council - Judge Adams
- II. Roll taking by sign-in sheet (with self-introductions to follow) - Judge Adams
- III. Consideration of the minutes for the January 16, 2014 meeting - Judge Adams
- IV. Report(s) from Council members pertaining to local water and/or wastewater planning; current and planned projects - Karyn Leverenz
- V. Old Business
 - a. System Visit/ Assessment Areas Report - Karyn Leverenz
- VI. New Business
 - a. Consideration of New and Amended Profiles - Karyn Leverenz
 - b. New Scoring Rubric Review and Subcommittee Final Recommendations - Karyn Leverenz, Connie Allen
- VII. Other / Questions / Comments / Further Discussion - Karyn Leverenz
- VIII. Adjournment at approximately 11:00 AM - Judge Adams

**Report of the
Bluegrass Area Water Management
(409) Council Meeting
9:30AM Friday, October 16, 2015
Bluegrass ADD Conference Room
Lexington, KY**

Call to Order:

Judge Jim Adams with the Lincoln County Fiscal Court called the meeting of the Bluegrass Area Water Management Council to order on Friday, October 16, 2015 at 9:35AM in the Bluegrass Area Development District conference room. He then passed the meeting over to Mr. Ed Fortner of Berea Municipal Utilities and Ms. Karyn Leverenz with Bluegrass ADD. In addition to an attendance sign-in list, attendees also introduced themselves by name and organization. The following 20 persons were present.

Those members (or proxies) present were:

Anderson County

Monty Rhody – City of Lawrenceburg

Bourbon County

None

Boyle County

None

Clark County

Mike Flynn – Winchester Utilities

Estill County

Connie Allen – rep. City of Irvine

Fayette County

Cassie Felty – LFUCG – Division of Air and
Water Quality

Franklin County

Bob Peterson – City of Frankfort
David Billings - Frankfort Plant Board

Garrard County

None

Harrison County

None

Jessamine County

Bob Amato – City of Nicholasville
John Horne – rep. Jess. South Elkhorn Water Dist.

Lincoln County

Judge/Executive Jim Adams – Lincoln County

Madison County

Ed Fortner – Berea Municipal Utilities

Mercer County

Mischell Lee – North Mercer Water District
Mike Sanford – Lake Village Water Assoc.
Jim Carpenter - Mercer Co. Sanitation District

Nicholas County

None

Powell County

None

Scott County

Robert Wilhite – GMWSS

Woodford County

Bart Miller – City of Versailles
John S. Davis – Northeast Woodford County
Water District

Others Present were:

Tony Harover – HMB Engineers
Greg Isaacs – Palmer Engineering
Megan Kendall – Bell Engineering
Phil Meador – Kenvirons
Amanda Mikuski – Hazen and Sawyer
Karyn Leverenz – Bluegrass ADD
Samantha Osborne – Bluegrass ADD

A copy of the Attendance List can be found in *Attachment A*.

Members Not Represented:

Anderson County

County of Anderson
Anderson County Health Department
South Anderson Water District

Bourbon County

County of Bourbon
City of Millersburg
City of North Middletown
City of Paris
Bourbon County Health Dept

Boyle County

County of Boyle
City of Danville
Parksville Water District
Boyle County Health Dept

Clark County

County of Clark
City of Winchester
Clark County Health Department
East Clark Co. Water District

Estill County

County of Estill
Irvine Municipal Utilities
Estill County Water District No. 1
Estill Co. Health Department

Fayette County

LFUCG – Mayor’s Office

Franklin County

County of Franklin
Elkhorn Water District
Franklin County Health Department
Peaks Mill Water District
US 60 Water District
Farmdale Sanitation District
Farmdale Water District

Garrard County

County of Garrard
City of Lancaster
Garrard County Health Department
Garrard County Water Association

Harrison County

County of Harrison
City of Cynthiana
City of Berry
Harrison County Health Department
Harrison Co. Water Association

Jessamine County

County of Jessamine
City of Wilmore
Jessamine County Water District No. 1
Jessamine County Health Department

Lincoln County

City of Stanford
City of Crab Orchard
City of Eubank
McKinney Water District
Southern Madison Water District
Lincoln Co. Sanitation District
Lincoln County Health Department

Madison County

County of Madison
City of Richmond
Madison Co. Health Department
Richmond Utilities
Madison County Utilities District
Kirksville Water Association
Northern Madison Sanitation District
Northern Madison Water Association

Mercer County

County of Mercer
City of Harrodsburg
City of Burgin
Mercer County Health Department

Nicholas County

County of Nicholas
City of Carlisle
Nicholas County Sanitation District #2
Nicholas County Health Department
Nicholas County Water District

Powell County

County of Powell
City of Stanton
City of Clay City
Beech Fork Water Commission
Powells Valley Water District
Powell County Health Department
Red River Wastewater Authority

Scott County

County of Scott
Scott County Health Dept.

Woodford County

County of Woodford
South Woodford Water District
Woodford County Health Department

Consideration of the Minutes of the April 17, 2015 Council Meeting

A quorum was not present so minutes from the April 17, 2015 meeting could not be voted on and approved.

Reports from Council Members

- Mr. Ed Fortner with Berea Municipal Utilities reported on the Owsley Fork Reservoir Rehabilitation project. The Army Corp of Engineers has gotten involved and the project is currently stuck in the planning phase. BMU has also completed a cost of service study for their rates.
- Mr. Bart Miller of Versailles reported on their wastewater treatment plant upgrade. They have just begun design which they funded with a bond and are anticipating a 60% sewer rate increase over the next three years.
- Mr. David Billings with Frankfort Plant Board announced that they had completed an onsite generator project. Completion of this project now means that their distribution system is covered in the event of a power outage.
- Mr. Mike Flynn with Winchester Municipal Utilities informed the Council that they have started design on a new water treatment plant at Carroll Exton Reservoir and hope to begin construction in late 2017.

OLD BUSINESS

- Ms. Leverenz, with help from Ms. Connie Allen, reviewed the new scoring rubric that will be implemented for this year's 2017 SRF project rankings. She went through each category to ensure the scoring was clear. Since there was not a quorum for full council approval, the rubric will be submitted to the Water Management Executive Council for preliminary approval. Approval from the full Council is anticipated at the January 15, 2016 meeting.

NEW BUSINESS

- Since a quorum was not present no new or amended projects were approved at the October 17 meeting. New and amended profiles will be reviewed and voted on at the January 15, 2016 meeting. New and amended projects submitting for 2017 SRF will be given preliminary approval so that they may be submitted by the December 11, 2015 deadline.

Other/Questions/Comments/Further Discussion

Discussion regarding the significant decrease in attendance took place. The current requirement for a quorum is 1/5 (one fifth) or 19 voting members. Ms. Cassie Felty with LFUCG queried if the by-laws should be updated so that whoever is present satisfies the quorum. Mr. Bart Miller asked what the reasoning for the sharp decline in participation was and Mr. Ed Fortner with Berea, seconded by Ms. Karyn Leverenz, stated that he believed it was because there was no more grant money. The funding that is available these days is in the form of loans and people have no interest in loans.

Mr. Bart Miller from Versailles then cited the necessity of high quality speakers and expressed his surprise at not having one at today's meeting. Ms. Leverenz responded that due to high demand on the conference room and the desire to ensure enough time for discussion on the new scoring rubric the decision to not have an outside speaker was made. Her intent was for herself and Ms. Connie Allen to present the rubric and review it in detail to ensure maximum understanding.

Ms. Connie Allen suggested that the Council consider changing the meeting date and times because sometimes Friday mornings are not great. There was some further discussion about what days of the week would be better suited for regular Water Management Council.

Proxies were also brought up for discussion as well as what constituted a voting member. Several persons present questioned if one person could be a proxy for multiple utilities and would that mean they would receive multiple votes? Ms. Leverenz assured those present that she would investigate the by-laws and KRS to find an answer.

The next meeting will be Friday, January 15, 2016 at 9:30 a.m.

Amended Project Profiles

Clark County

Project Name: Hampton Manor Outfall Sewer

Project Number: sx21049028

Engineer: Garrett Ward, Palmer Engineering

Cost Estimate: \$41,404,000

Funding Committed:\$0

Project Description: Improvements are part of an overall effort to eliminate 13 recurring Sanitary Sewer Overflows (SSOs) in the Lower Howards Creek watershed and eliminate 98% of system wide SSO volume. The proposed project scope includes approximately 3,200 LF of 24-inch gravity sanitary sewer, 14 manholes, 300 ft of road bore and other appurtenant structures.

Updated narrative, budget and mapping and project schedule, impacts, components.

Franklin County

Project Name: Frankfort Plant Board Water Storage Improvement Project

Project Number: sx21073067

Engineer: Michael Woolum, Strand Associates

Cost Estimate: \$4,000,000

Funding Committed:\$0

Project Description: The project consists of replacing the existing 125+ year old potable water storage with a new facility. The existing 9.4 million gallon tank is the core of the Frankfort Plant Board distribution system and stores water utilized in Frankfort, Franklin County and by eight wholesale customers. The new storage facility will require less maintenance and have a much longer life span than the major improvements that would be required to keep the existing reservoir in service.

Updated narrative, budget and mapping and project schedule.

Harrison County

Project Name: HCSD - Northend Sewer Extension and Cedarbrook Replacement Project

Project Number: sx21097015

Engineer: Benton Hanson, HDR

Cost Estimate: \$2,567,885

Funding Committed:\$1,567,885

Project Description: This project has two components. The Northend component will eliminate two existing package treatment plants (PTP) and will provide sewer service to the Northside Elementary School and the Northside Mobile Home Park. A new collection system consisting of 2,800 LF of 8-inch gravity sewer will also be constructed to replace the existing system at the Northside Mobile Home Park. All flows will be pumped south along US 27 to Cynthiana for treatment through approximately 16,500 linear feet of 3 and 4-inch force main.

The Cedarbrook component will consist of replacing the existing collection and treatment system at the Cedarbrook Subdivision located along US 27 south of Cynthiana near the Harrison/Bourbon border. Approximately 3,100 linear feet of gravity sewer and 500 LF of 4" PVC force main will be replaced and a new 25,000 gallon per day PTP will be installed to serve the existing subdivision customers. Funding for both components of the project will be sought from SRF and the CDBG Programs.

This project will also include three new 60 gpm lift stations.

Updates to narrative and mapping.

Mercer County

Project Name: MCSD - Kennedy Bridge Road Sanitary Sewer Improvements Project

Project Number: sx21167021

Engineer: Liz Dienst, Strand Associates

Cost Estimate: \$848,000

Funding Committed:\$0

Project Description: The project consists of new sanitary sewer collection mains which will be extended from an existing system in Chimney Rock, a densely populated area of the Herrington Lake watershed. Portions of the existing collection system may also be upgraded. The existing collection system is connected to a privately owned package treatment plant. The KPDES permit for the plant indicates that capacity is available to provide treatment for additional properties located in the vicinity of the plant. The plant discharge is currently in compliance, but the plant is aging and requires renovation to maintain reliable operation, therefore the scope will include an upgrade to the existing package treatment plant. This upgrade will include new structure and new equipment. The areas to receive new sewer service include 1599 Kennedy Bridge Road, a mobile home park consisting of 25 lots, located in eastern Mercer County, on the Herrington Lake shoreline. The properties are currently served by inadequate and failed septic systems that have resulted in legal proceedings being initiated by the Mercer County Board of Health. Property owners have been found to be in violation of state health code regulations, as well as local ordinances enacted to protect the public health of citizens, Also to be included in the project scope is Maple Hill Subdivision consisting of 9 single family homes currently served by onsite septic systems and an apartment complex located at 1603 Kennedy Bridge Road, consisting of 15 residential apartment units served by an onsite septic system. The project scope includes the construction of approximately 2,000 LF of 8" gravity sewer main and 1,000 LF of 3" sewer force main. The project would eliminate the approximately 35 aged and inadequate onsite septic systems, eliminate infiltration of sewage to the Herrington Lake watershed, protect the health of the citizens that reside in the three unserved areas and prevent future legal action against the property owners.

Updates to budget, plans and specs.

Project Name: Sanitary Sewer Rehabilitation 2015

Project Number: sx21167022

Engineer: Ryan Carr, GRW Engineers

Cost Estimate: \$1,569,300

Funding Committed:\$0

Project Description: Cleaning, Video Inspection and Rehabilitation of the sanitary sewer collector lines and manholes in the main section of the system, including but not limited to the areas of Poplar Heights, College Manor, East Office St., Price Ave., North Main St., and College St. Also included is the relocation of sewer collector line on Sunset Lane.

This project will also achieve energy efficiency by reducing electricity costs through the reduction of the amount of wastewater pumped to the equalization basins, reduced pumping times and aeration.

Updates to narrative, budget, mapping

Powell County

Project Name: City of Clay City - 150,000 Gallon Elevated Water Storage Tank

Project Number: wx21197007

Engineer: James Roberts, Bell Engineering

Cost Estimate: \$600,000

Funding Committed:\$0

Project Description: This project will construct a new 150,000 gallon elevated water storage tank to replace an existing 50,000 gallon elevated tank. The existing storage tank will be demolished and an existing pump station will be upgraded with new and more energy efficient pumps.

Updates to narrative, need for project, budget, project schedule

New Project Profiles

Anderson County

Project Name: Lawrenceburg - Four Roses Sewer Extension

Project Number: sx21005008

Engineer: Monty Rhody, City of Lawrenceburg

Cost Estimate: \$535,000

Funding Committed: \$0

Project Description: This project will extend sewer service to Four Roses Distillery. Four Roses currently operates an extended aeration wastewater treatment plant which will be taken out of service. This project consists of 8,600 LF of 6" force main, telemetry and a lift station.

Woodford County

Project Name: NE Woodford Co WD - Big Sink BPS Replacement

Project Number: wx21239032

Engineer: Warner Broughman

Cost Estimate: \$214,750

Funding Committed: \$0

Project Description: This project will replace the currently aging Booster pump station with a new station that has up to date and SCADA.

Amended Project Profiles

Clark County

Project Name: Hampton Manor Outfall Sewer

Project Number: sx21049028

Engineer: Garrett Ward, Palmer Engineering

Cost Estimate: \$1,404,000

Funding Committed:\$0

Project Description: Improvements are part of an overall effort to eliminate 13 recurring Sanitary Sewer Overflows (SSOs) in the Lower Howards Creek watershed and eliminate 98% of system wide SSO volume. The proposed project scope includes approximately 3,200 LF of 24-inch gravity sanitary sewer, 14 manholes, 300 ft of road bore and other appurtenant structures.

Updated narrative, budget and mapping and project schedule, impacts, components.

Franklin County

Project Name: Frankfort Plant Board Water Storage Improvement Project

Project Number: sx21073067

Engineer: Michael Woolum, Strand Associates

Cost Estimate: \$4,000,000

Funding Committed:\$0

Project Description: The project consists of replacing the existing 125+ year old potable water storage with a new facility. The existing 9.4 million gallon tank is the core of the Frankfort Plant Board distribution system and stores water utilized in Frankfort, Franklin County and by eight wholesale customers. The new storage facility will require less maintenance and have a much longer life span than the major improvements that would be required to keep the existing reservoir in service.

Updated narrative, budget and mapping and project schedule.

Harrison County

Project Name: HCSD - Northend Sewer Extension and Cedarbrook Replacement Project

Project Number: sx21097015

Engineer: Benton Hanson, HDR

Cost Estimate: \$2,567,885

Funding Committed:\$1,567,885

Project Description: This project has two components. The Northend component will eliminate two existing package treatment plants (PTP) and will provide sewer service to the Northside Elementary School and the Northside Mobile Home Park. A new collection system consisting of 2,800 LF of 8-inch gravity sewer will also be constructed to replace the existing system at the Northside Mobile Home Park. All flows will be pumped south along US 27 to Cynthiana for treatment through approximately 16,500 linear feet of 3 and 4-inch force main.

The Cedarbrook component will consist of replacing the existing collection and treatment system at the Cedarbrook Subdivision located along US 27 south of Cynthiana near the Harrison/Bourbon border. Approximately 3,100 linear feet of gravity sewer and 500 LF of 4" PVC force main will be replaced and a new 25,000 gallon per day PTP will be installed to serve the existing subdivision customers. Funding for both components of the project will be sought from SRF and the CDBG Programs.

This project will also include three new 60 gpm lift stations.

Updates to narrative and mapping.

Mercer County

Project Name: MCSD - Kennedy Bridge Road Sanitary Sewer Improvements Project

Project Number: sx21167021

Engineer: Liz Dienst, Strand Associates

Cost Estimate: \$848,000

Funding Committed:\$0

Project Description: The project consists of new sanitary sewer collection mains which will be extended from an existing system in Chimney Rock, a densely populated area of the Herrington Lake watershed. Portions of the existing collection system may also be upgraded. The existing collection system is connected to a privately owned package treatment plant. The KPDES permit for the plant indicates that capacity is available to provide treatment for additional properties located in the vicinity of the plant. The plant discharge is currently in compliance, but the plant is aging and requires renovation to maintain reliable operation, therefore the scope will include an upgrade to the existing package treatment plant. This upgrade will include new structure and new equipment. The areas to receive new sewer service include 1599 Kennedy Bridge Road, a mobile home park consisting of 25 lots, located in eastern Mercer County, on the Herrington Lake shoreline. The properties are currently served by inadequate and failed septic systems that have resulted in legal proceedings being initiated by the Mercer County Board of Health. Property owners have been found to be in violation of state health code regulations, as well as local ordinances enacted to protect the public health of citizens, Also to be included in the project scope is Maple Hill Subdivision consisting of 9 single family homes currently served by onsite septic systems and an apartment complex located at 1603 Kennedy Bridge Road, consisting of 15 residential apartment units served by an onsite septic system. The project scope includes the construction of approximately 2,000 LF of 8" gravity sewer main and 1,000 LF of 3" sewer force main. The project would eliminate the approximately 35 aged and inadequate onsite septic systems, eliminate infiltration of sewage to the Herrington Lake watershed, protect the health of the citizens that reside in the three unserved areas and prevent future legal action against the property owners.

Updates to budget, plans and specs.

Project Name: Sanitary Sewer Rehabilitation 2015

Project Number: sx21167022

Engineer: Ryan Carr, GRW Engineers

Cost Estimate: \$1,569,300

Funding Committed:\$0

Project Description: Cleaning, Video Inspection and Rehabilitation of the sanitary sewer collector lines and manholes in the main section of the system, including but not limited to the areas of Poplar Heights, College Manor, East Office St., Price Ave., North Main St., and College St. Also included is the relocation of sewer collector line on Sunset Lane.

This project will also achieve energy efficiency by reducing electricity costs through the reduction of the amount of wastewater pumped to the equalization basins, reduced pumping times and aeration.

Updates to narrative, budget, mapping

Powell County

Project Name: City of Clay City - 150,000 Gallon Elevated Water Storage Tank

Project Number: wx21197007

Engineer: James Roberts, Bell Engineering

Cost Estimate: \$600,000

Funding Committed:\$0

Project Description: This project will construct a new 150,000 gallon elevated water storage tank to replace an existing 50,000 gallon elevated tank. The existing storage tank will be demolished and an existing pump station will be upgraded with new and more energy efficient pumps.

Updates to narrative, need for project, budget, project schedule

New Project Profiles

Anderson County

Project Name: Lawrenceburg - Four Roses Sewer Extension

Project Number: sx21005008

Engineer: Monty Rhody, City of Lawrenceburg

Cost Estimate: \$535,000

Funding Committed: \$0

Project Description: This project will extend sewer service to Four Roses Distillery. Four Roses currently operates an extended aeration wastewater treatment plant which will be taken out of service. This project consists of 8,600 LF of 6" force main, telemetry and a lift station.

Woodford County

Project Name: NE Woodford Co WD - Big Sink BPS Replacement

Project Number: wx21239032

Engineer: Warner Broughman

Cost Estimate: \$214,750

Funding Committed: \$0

Project Description: This project will replace the currently aging Booster pump station with a new station that has up to date and SCADA.

Ranking Meetings	Date	Time	Location
Planning Unit 1 (Estill, Powell)	October 19, 2015	1PM	Clay City City Hall
Planning Unit 2 (Bourbon, Harrison, Nicholas)	October 22, 2015	2PM	BGADD
Planning Unit 3 (Boyle, Garrard, Lincoln)	October 27, 2015	2PM	BGADD
Planning Unit 4 (Anderson, Mercer)	October 29, 2015	2PM	BGADD
Planning Unit 5 (Franklin, Scott, Woodford)	November 2, 2015	2PM	BGADD
Planning Unit 6 (Fayette, Jessamine)	November 5, 2015	2PM	BGADD
Planning Unit 7 (Clark, Madison)	November 10, 2015	2PM	BGADD

***2015 Ranking Methodology
Bluegrass Area Water Management Council
For Water and Wastewater Projects***

The Bluegrass Area Water Management Council examined the following criteria in the ranking of water and wastewater projects for 2015:

To that end, a scoring matrix was developed for the following six categories:

1. **Project Type:** This category was broken down into three sections. More credit was given for projects that required new capital infrastructure. Less credit was given for projects that are considered improvement or replacement capital infrastructure. Projects that were considered to be maintenance were given the least amount of credit. The maximum possible score for this category is 20 points.

	Description	Points Available
New Capital	e.g. Extension of new lines to previously unserved customers	14 - 20
Improvement/Replacement Capital	e.g. Pump station upgrades	7 - 13
Maintenance	e.g. Tank maintenance, meter replacement	0 - 6

2. **Threshold:** The size of the utility should be taken into account when considering the content/cost of the project. The maximum score for this category is 20 points.

	Number of Connections	Minimum Project Cost Required to Meet Threshold
Small Utilities	Less than 3,300	\$50,000
Medium Utilities	3,301 – 10,000	\$250,000
Large Utilities	Greater than 10,001	\$500,000

Does not meet threshold	0 Points
Meets threshold	20 points

3. Cost Effectiveness: Is this project cost effective? What is the cost per household for this project? The maximum possible score for this category is 20 points.

Cost per household is less than \$5,000	16 – 20 points
Cost per household is between \$5,001 and \$10,000	11 – 15 points
Cost per household is between \$10,001 and \$15,000	6 – 10 points
Cost per household is greater than \$15,001	0 – 5 points

4. Regionalization: Projects in which inter-local cooperation could in some way be demonstrated would receive more consideration than projects that were simply local in nature. Regional projects in general, tend to promote efficiency and effectiveness in utility delivery service. Projects that satisfy the following categories will score points accordingly. The maximum possible score for this category is 10 points.

This project eliminates existing facilities or redundancy	2
This project serves more than one system/city/county (would this include interconnectivity or should that be its own category?)	2
This project is for new construction	2
This project will replace/rehab existing facilities	2
This project has an MOU or inter-local agreement in place	2

5. Local Rankings: Planning units are the first step in the project ranking process. These smaller meetings composed of two and three county groups are able to identify local priorities better than the region as a whole. Things to consider during the local ranking meeting should include but are not limited to: Is the project construction ready? Have other funding sources already been committed? Is utility or community currently under any kind of enforcement action? A project that was first-ranked at its local ranking would receive 30 points in this scoring category; a second-ranked project, 28 points; a third-ranked project, 26 points, etc, and finally, a tenth-ranked project, 12 points.
6. Executive Council Ranking: The Water Management Executive Council will review submitted projects. Prior to submission to the Executive Council all projects will have been scored based on the above criteria.

A given project, if top-ranked in every category, could score 120 points.

Executive Council recommendations to the full Bluegrass Water Management Council could be modified by the full Council.

Attendance List
 409 Bluegrass Area Water Management Council
 9:30 a.m. Friday, October 16, 2015

Name	Representing	e-mail address
21. ROBERT WHITE	G-MWSS	RWHITE@G-MWSS.COM
22. Greg Isaacs	Palmer	gisaacs@palmer.net.com
23. Amanda Mikuski	Hazen and Sawyer	amikuski@hazensawyer.com
24. Bob Amato	Nicholasville	bob.amato@nicholasville.org
25. MICHAEL FURD	WMMU	MICHAEL.FURD@WMMU.COM
26. David Billings	FPB	dbillings@fepb.com
27. Bob Miller	Versailles	bmiller@versailles.com
28. JOHN HORNE	JSEWP	JOHN@HORNEENG.COM
29. Kanya Leverenz	BGADD	
30. Samantha Osborne	BGADD	
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