

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	October 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-073	
REVOLVING LOAN / GRANT FUND		WRIS Number		
BORROWER	CITY OF MARTIN WATER WORKS FLOYD COUNTY			
BRIEF DESCRIPTION Non- Capital Project - Debt Service The City of Martin and Martin Water Works are seeking debt service forgiveness to alleviate financial pressures and enhance operational flexibility. Assistance with debt repayment will empower the city to allocate resources more effectively, ensuring consistent service delivery and timely maintenance of critical infrastructure. By reducing the burden of debt, Martin can focus on making essential repairs and improvements to the water system, ultimately providing safer and more reliable services to residents. This financial relief is crucial for sustaining the community's growth and addressing immediate infrastructure needs.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$300,000	Administrative Expenses	\$0	
		Other	300,000	
TOTAL	<u>\$300,000</u>	TOTAL	<u>\$300,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$488		
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	465	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(75,841)	34,963	(110,804)	-2.2
Audited 2022	133,436	34,674	98,762	3.8
Audited 2023	(58,492)	34,960	(93,452)	-1.7

Scoring		Rubrick		Metrics		
CITY OF MARTIN WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$27,397	State MHI \$60,183	Percentage 45.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.17	2022 DCR 3.85	2023 DCR -1.67
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.36	2022 APT 3.92	2023 APT 4.19
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 72.90	2022 ARD 57.15	2023 ARD 83.18
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-073	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21071018	
BORROWER	CITY OF MARTIN WATER WORKS FLOYD COUNTY			
BRIEF DESCRIPTION Capital Infrastructure Project for WWATERS consideration is a WWTP rehab: Wastewater Plant Rehabilitation SX21071018 WWTP is failing and has NOV. This project is partially funded. Remove accumulated "Solids" from the inner and outer ditch of the Martin plant. install a mechanically cleaner screen to minimize the recurrence of this problem. Will purchase one new pump. The operator is hosing active treatment volume to accumulating solids operator experiencing difficulty in meeting efficient limitations				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$205,000	Administrative Expenses	\$4,387	
		Eng - Design / Const	22,195	
		Construction	159,500	
		Contingency	15,950	
TOTAL	<u>\$205,000</u>	TOTAL	<u>\$202,032</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$488		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	465	\$47.52 (for 4,000 gallons)	
	Additional	0	\$47.52 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(75,841)	34,963	(110,804)	-2.2
Audited 2022	133,436	34,674	98,762	3.8
Audited 2023	(58,492)	34,960	(93,452)	-1.7

Scoring		Rubrick		Metrics		
CITY OF MARTIN WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$27,397	State MHI \$60,183	Percentage 45.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.17	2022 DCR 3.85	2023 DCR -1.67
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.36	2022 APT 3.92	2023 APT 4.19
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 72.90	2022 ARD 57.15	2023 ARD 83.18
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris October 7, 2027 W25-073 WX21071011	
BORROWER	CITY OF MARTIN WATER WORKS FLOYD COUNTY			
BRIEF DESCRIPTION Water Loss Reduction Project - WX21071011 The project includes the following components: (1) acquire and install new automatic radio read meters and ready equipment (2) acquire and install new billing server and work station (3) acquire and install new billing software (4) acquire and install 16 new 6-inch gate valves (5) acquire and install 6 new flushing hydrants				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$622,800	Administrative Expenses	\$25,400	
		Eng - Design / Const	52,000	
		Eng - Insp	37,200	
		Construction	462,000	
		Contingency	46,200	
TOTAL	<u>\$622,800</u>	TOTAL	<u>\$622,800</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 1, 2025 October 1, 2025 October 1, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 465 0	<u>Avg. Bill</u> \$47.52 (for 4,000 gallons) \$47.52 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(75,841)	34,963	(110,804)	-2.2
Audited 2022	133,436	34,674	98,762	3.8
Audited 2023	(58,492)	34,960	(93,452)	-1.7

Scoring		Rubrick		Metrics		
CITY OF MARTIN WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$27,397	State MHI \$60,183	Percentage 45.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.17	2022 DCR 3.85	2023 DCR -1.67
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.36	2022 APT 3.92	2023 APT 4.19
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 72.90	2022 ARD 57.15	2023 ARD 83.18
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-021	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21195009	
BORROWER	CITY OF ELKHORN CITY PIKE COUNTY			
BRIEF DESCRIPTION				
<p>1) WX21195009 Elkhorn City Water Loss Reduction Project - \$1,283,838 Project consists of the purchase and installation of approximately 600 radio read meters within the City of Elkhorn City service area. The proposed project also includes the installation of the necessary hardware and software to properly operate the new meter reading system. This project will provide and enable the City of Elkhorn City the ability to more efficiently receive monthly water usage totals. The project also improves the City's billing system to near real-time consumption. The new radio reading meter system will eliminate the expense of periodic trips to each physical location to read a meter. Project will install approximately 1420 LF 2", approximately 2088 LF 4", and approximately 5850 LF 6" water line. This project will provide and enable the City of Elkhorn City the ability to more efficiently receive monthly water usage totals. The project also improves the City's billing system to near real-time consumption. The new radio reading meter system will eliminate the expense of periodic trips to each physical location to read a meter. New water line will help eliminate leaks.</p> <p>2)Non-capital: debt service - \$1,296,212.47 Elkhorn City and Elkhorn City Water Works are requesting debt service forgiveness to help ease the repayment burden of loans from the Kentucky Infrastructure Authority (KIA) and USDA. This financial assistance will allow the city to redirect resources toward enhancing service delivery and addressing pressing infrastructure needs. By alleviating debt-related pressures, Elkhorn City can focus on essential repairs and upgrades to the water system, ensuring reliable and safe water access for all residents. This support is crucial for bolstering community resilience and promoting long-term growth.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,580,050	Administrative Expenses	\$53,800	
		Eng - Design / Const	94,200	
		Eng - Insp	59,400	
		Construction	978,580	
		Contingency	97,858	
		Pay Off Existing Debt	1,296,212	
TOTAL	<u>\$2,580,050</u>	TOTAL	<u>\$2,580,050</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	July 15, 2025		
	Construction Stop	7/1//2026		
DEBT PER CUSTOMER	Existing	\$2,298		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	564	\$48.52 (for 4,000 gallons)	
	Additional	0	\$48.52 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	0	0	0	n/a
Audited 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a

Scoring		Rubrick		Metrics		
CITY OF ELKHORN CITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,160	State MHI \$60,183	Percentage 73.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR #DIV/0!	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT #DIV/0!	2022 APT #DIV/0!	2023 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD #VALUE!	2022 ARD #VALUE!	2023 ARD #VALUE!
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points			50% or More
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-113	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21203011	
BORROWER	CITY OF BRODHEAD ROCKCASTLE COUNTY			
BRIEF DESCRIPTION				
This project will be performed as (3) separate contracts, Radio Read Meter Purchase, Tank Repaint and Influent Flow Meter at the Wastewater Treatment Plant. Project consists of Standpipe water storage tank rehab at Bowling Ridge Tank, field blast and repaint interior of tank, disinfection and testing. Purchase and replace approximately 600 meters with ME8 radio read meters including associated hardware and software. Purchase and Installation of influent flow meters at the WWTP to meet agreed order (AI#3852; Activity ID ERF 20140001).				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$369,955	Administrative Expenses	\$4,300	
		Eng - Design / Const	27,775	
		Eng - Other	2,000	
		Construction	304,880	
		Contingency	31,000	
TOTAL	<u>\$369,955</u>	TOTAL	<u>\$369,955</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	September 1, 2024		
	Construction Start	October 1, 2024		
	Construction Stop	November 1, 2024		
DEBT PER CUSTOMER	Existing	\$770		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	574	\$8.98 (for 4,000 gallons)	
	Additional	0	\$8.98 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Int. P & L 2022	2,577	33,394	(30,816)	0.1
Int. P & L 2023	(6,011)	33,394	(39,405)	-0.2
Int. P & L 2024	(69,773)	33,394	(103,167)	-2.1

Scoring		Rubrick		Metrics		
CITY OF BRODHEAD						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,052	State MHI \$60,183	Percentage 54.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR 0.08	2023 DCR -0.18	2024 DCR -2.09
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2022 APT #DIV/0!	2023 APT #DIV/0!	2024 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 0.00	2023 ARD 0.00	2024 ARD 0.00
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-146	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21223020	
BORROWER	TRIMBLE COUNTY FISCAL COURT TRIMBLE COUNTY			
BRIEF DESCRIPTION				
This project will construction a septage receiving station at the Bedford Wastewater Treatment Plant (WWTP). The station is anticipated to include:				
<ol style="list-style-type: none"> 1. Septage receiving equipment (grinder system), 2. Building to house equipment and controls, 3. Headworks upgrades including new influent screen, 4. Yard piping improvements, 5. Controls/monitoring/sampling equipment, and 6. Equalization/storage tank. 				
Trimble County Fiscal Court is serving as the applicant on behalf of the City of Bedford/Bedford Wastewater via interlocal agreement. The Fiscal Court has ample capacity to manage the award and will work with all project stakeholders to ensure project objectives are met efficiently and effectively.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,320,000	Administrative Expenses	\$20,000	
		Eng - Design / Const	140,000	
		Eng - Insp	60,000	
		Construction	1,000,000	
		Contingency	100,000	
TOTAL	<u>\$1,320,000</u>	TOTAL	<u>\$1,320,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates		
PROJECT SCHEDULE	Bid Opening	October 31, 2025		
	Construction Start	January 1, 2026		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$1,399		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	297	\$47.58 (for 4,000 gallons)	
	Additional	0	\$47.58 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	30,599	31,100	(501)	1.0
Audited 2021	8,581	35,915	(27,334)	0.2
Audited 2022	(45,965)	91,599	(137,564)	-0.5

Scoring		Rubrick		Metrics		
TRIMBLE COUNTY FISCAL COURT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,131	State MHI \$60,183	Percentage 78.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.98	2021 DCR 0.24	2022 DCR -0.50
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2020 APT 97.58	2021 APT 2.90	2022 APT 0.80
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 38.52	2021 ARD 38.65	2022 ARD 42.02
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-117	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21203007	
BORROWER	CITY OF BRODHEAD ROCKCASTLE COUNTY			
BRIEF DESCRIPTION				
The project includes purchasing eight (8) pumps to replace and/or backup old and worn out pumps though out the Brodhead sewer system. The project also includes replacing the effluent meter at the WWTP that is no longer functional.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$213,800	Administrative Expenses	\$1,300	
		Eng - Design / Const	6,500	
		Construction	6,000	
		Equipment	200,000	
TOTAL	<u>\$213,800</u>	TOTAL	<u>\$213,800</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	June 1, 2025		
DEBT PER CUSTOMER	Existing	\$770		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	574	\$8.98 (for 4,000 gallons)	
	Additional	0	\$8.98 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Int. P & L 2022	2,577	33,394	(30,816)	0.1
Int. P & L 2023	(6,011)	33,394	(39,405)	-0.2
Int. P & L 2024	(69,773)	33,394	(103,167)	-2.1

Scoring		Rubrick		Metrics		
CITY OF BRODHEAD						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$29,023	State MHI \$60,183	Percentage 48.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR 0.08	2023 DCR -0.18	2024 DCR -2.09
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT #DIV/0!	2023 APT #DIV/0!	2024 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 0.00	2023 ARD 0.00	2024 ARD 0.00
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-033	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21225067	
BORROWER	CITY OF STURGIS UNION COUNTY			
BRIEF DESCRIPTION				
Construct 6,429 LF of 6-inch PVC to replace failing ductile iron pipe that was constructed in the 1930's. The sections to be replaced are broken down into the following:				
<ol style="list-style-type: none"> 1. Thirteenth Street beginning at Main Street intersection and ending at Giles Street - 2,661 LF 2. Along Main Street beginning at Fourteenth Street intersection and ending at Sixth Street - 2,973 LF 3. Along First Street beginning at Main Street intersection and ending at Kelsey Street - 795 LF 				
These line replacements will be constructed using 6-inch PVC Class 235 water main and will involve trenching, laying and native bedding material backfill of 42 inches. Also included will be 40 customer service main reconnections.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,804,530	Administrative Expenses	\$25,000	
		Planning	25,000	
		Eng - Design / Const	105,000	
		Eng - Insp	66,000	
		Construction	1,218,100	
		Contingency	365,430	
TOTAL	\$1,804,530	TOTAL	\$1,804,530	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,511		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	539	\$71.12 (for 4,000 gallons)	
	Additional	0	\$71.12 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a
Int. P & L 2024	115,648	111,523	4,124	1.0

Scoring		Rubrick		Metrics		
CITY OF STURGIS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,273	State MHI \$60,183	Percentage 70.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR N/A	2023 DCR N/A	2024 DCR 1.04
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		75				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-050 WX21225068	
BORROWER	CITY OF STURGIS UNION COUNTY			
BRIEF DESCRIPTION				
Rehabilitation of aging and debilitated water lines within the city				
1.Abandon existing CI 8" watermain under Hwy 109 to wet tap 8" watermain East of Waller Omer rd. to the West side and turn to bore 18' HPDE casting under Hwy 109 to south Hwy 109 and wet tap 8" main on the south of 109 and continue to west side of Hwy 2918 for approx.. 400' to serve 6 homes and install a flushing hydrant and valve.				
2.Replace 180 LF of waterline following an alley on the E side of Fourth St between Main St. and Monroe St.				
3.Replace 4" waterline from the 6" main to the River Oak Apartments				
4.Replace waterline from Main St. to Kelsey 1120 LF				
These issues have contributed greatly to the water loss percentage through the City of Sturgis.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$235,392	Eng - Design / Const	30,000	
		Eng - Insp	22,000	
		Construction	152,792	
		Contingency	30,600	
TOTAL	<u>\$235,392</u>	TOTAL	<u>\$235,392</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,511		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	539	\$71.12 (for 4,000 gallons)	
	Additional	0	\$71.12 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a
Int. P & L 2024	115,648	111,523	4,124	1.0

Scoring		Rubrick		Metrics		
CITY OF STURGIS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,273	State MHI \$60,183	Percentage 70.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR N/A	2023 DCR N/A	2024 DCR 1.04
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		75				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-093 WX21137067	
BORROWER	CITY OF CRAB ORCHARD LINCOLN COUNTY			
BRIEF DESCRIPTION				
The City completed nearly \$60,000 in repairs to their Elevated Water Tank in 2022. At that time, they addressed emergency repairs and critical safety upgrades. The second phase of rehabilitation will complete further repairs and safety upgrades, including foundation repairs, exterior cleaning, and coating.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$82,250	Construction	68,500	
		Contingency	13,750	
TOTAL	<u>\$82,250</u>	TOTAL	<u>\$82,250</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 26, 2025 June 26, 2025 August 26, 2025		
DEBT PER CUSTOMER	Existing	\$516		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 580 0	<u>Avg. Bill</u> \$41.00 (for 4,000 gallons) \$41.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	30,575	54,795	(24,220)	0.6
Audited 2022	(43,042)	56,560	(99,602)	-0.8
Audited 2023	(31,680)	61,065	(92,745)	-0.5

Scoring		Rubrick		Metrics		
CITY OF CRAB ORCHARD						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$31,722	State MHI \$60,183	Percentage 52.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.56	2022 DCR -0.76	2023 DCR -0.52
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.88	2022 APT 6.34	2023 APT 9.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 31.89	2022 ARD 36.50	2023 ARD 30.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-153 WX21095026	
BORROWER	BLACK MOUNTAIN UTILITY DISTRICT HARLAN COUNTY			
BRIEF DESCRIPTION				
The proposed project consists of two extensions (approximately 5,800 LF of 3" PVC line to serve six existing homes and a campground) to the District's distribution system; the replacement of approximately 15,000 LF of existing leak prone 4-inch water line on US 421 north of the community of Bledsoe; the installation of five hydro-pneumatic booster pump stations to serve existing customers that are at some of the higher elevations in the distribution system and often experience loss pressure; and new meters to plug into the District's change-out testing program.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,022,100	Administrative Expenses	\$45,000	
		Legal Expenses	10,000	
		Land, Easements	35,000	
		Eng - Design / Const	166,800	
		Eng - Insp	98,800	
		Eng - Other	30,000	
		Construction	2,205,700	
		Equipment	210,200	
		Contingency	220,600	
TOTAL	<u>\$3,022,100</u>	TOTAL	<u>\$3,022,100</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening	September 15, 2025		
	Construction Start	November 15, 2025		
	Construction Stop	May 15, 2026		
DEBT PER CUSTOMER	Existing	\$351		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,399	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	107,415	135,059	(27,644)	0.8
Unaudited P & L 2022	(158,667)	133,724	(292,391)	-1.2
Unaudited P & L 2023	24,347	133,152	(108,805)	0.2

Scoring		Rubrick		Metrics		
BLACK MOUNTAIN UTILITY DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$36,136	State MHI \$60,183	Percentage 60.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.80	2022 DCR -1.19	2023 DCR 0.18
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.01	2022 APT 7.36	2023 APT 6.70
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.77	2022 ARD 22.89	2023 ARD 28.38
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		73				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-028 SX21039019	
BORROWER	CITY OF ARLINGTON CARLISLE COUNTY			
BRIEF DESCRIPTION Repair all points of failures along the sewer main found by the CCTV investigation including breaks, joint separations, settlement of pipe main, and impassible areas likely due to failures in the main. <ul style="list-style-type: none"> • Replace each sewer lateral tie-in to the main. If there is flow in the lateral at that time with no water being used then investigate the individual sewer lateral to find the source of I & I. • Raise each manhole rim currently below the 100-Year Floodplain Elevation to be at or above the 100-year flood elevation This would include manholes below and minimum height to raise or installed sealed lids: <ul style="list-style-type: none"> • A2 – 3.8',• A3 – 3.6',• A4 – 2.9',• A5 – 0.2',• B – 4.0',, B1 – 3.3',• B2 – 1.6',• B3 – 2.6'. A USDA Search grant assisted with the preliminary engineering and scoping of the lines for this project. 				
PROJECT FINANCING		PROJECT BUDGET		
		Eng - Design / Const	67,115	
		Construction	635,600	
		Contingency	215,615	
TOTAL	<u>\$934,330</u>	TOTAL	<u>\$934,330</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bacon Farmer Workman Engineering & Testing, Inc		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 8, 2023 February 1, 2023 August 28, 2025		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 38 0	<u>Avg. Bill</u> \$39.05 (for 4,000 gallons) \$39.05 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(42,952)	0	(42,952)	n/a
Audited 2022	(49,468)	0	(49,468)	n/a
Audited 2023	(65,462)	0	(65,462)	n/a

Scoring			Rubrick	Metrics		
CITY OF ARLINGTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,122	State MHI \$60,183	Percentage 63.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA, no debt	2022 DCR NA, no debt	2023 DCR NA, no debt
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT #DIV/0!	2022 APT 0.00	2023 APT 0.00
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 66.48	2022 ARD 41.07	2023 ARD 47.01
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		73				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-057	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21133032	
BORROWER	CITY OF JENKINS LETCHER COUNTY			
BRIEF DESCRIPTION				
<p>This project will include 10,100 LF of 8" SDR35 PVC Gravity Sewer Pipe, 39 of the 4' Concrete manholes and 83 of the 20' lateral stubs. This project is to extend sewer service to the planned Grand View High Ground Subdivision located in Jenkins, KY. This subdivision in Phase I will include 115 .30 acre lots for survivors of the 2022 1,000 year flood event that ravaged eastern Kentucky. The flood damaged nearly 9,000 houses in the region and took the lives of 43 people. The region was already in a housing shortage crisis before the flood, now it has exacerbated the issue causing increased outmigration and an increased desperation among residents to the point some are living in RV's, storage sheds and with family as they just can't find housing or afford it. It is critical that the region develop adequate housing to not only house current residents, but to attract new residents and businesses to the region. Businesses will not locate to the area if the workforce is not readily available to fill positions. This project is a critical need for not only Letcher County, but the entire region.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,165,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	5,000	
		Eng - Design / Const	145,000	
		Eng - Insp	88,000	
		Eng - Other	15,000	
		Construction	1,683,500	
		Contingency	168,500	
TOTAL	<u>\$2,165,000</u>	TOTAL	<u>\$2,165,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc		
PROJECT SCHEDULE	Bid Opening	July 30, 2025		
	Construction Start	August 30, 2025		
	Construction Stop	March 30, 2026		
DEBT PER CUSTOMER	Existing	\$16,694		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	677	\$40.59 (for 4,000 gallons)	
	Additional	115	\$40.59 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	77,657	186,671	(109,014)	0.4
Audited 2022	131,308	147,596	(16,288)	0.9
Audited 2023	149,204	188,650	(39,446)	0.8

Scoring		Rubrick		Metrics		
CITY OF JENKINS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$26,500	State MHI \$60,183	Percentage 44.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.42	2022 DCR 0.89	2023 DCR 0.79
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.66	2022 APT 9.13	2023 APT 5.40
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 34.43	2022 ARD 32.78	2023 ARD 51.31
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		72				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-094	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21137025	
BORROWER	CITY OF CRAB ORCHARD LINCOLN COUNTY			
BRIEF DESCRIPTION				
<p>This project will replace a failing generator and upgrade electrical service at the City's Main Lift Station, which will extend the service life of the pumps. Due to the limited electrical service and frequent brownouts, the existing generator is burning out and the station is unable to run both pumps during high rainfall events, leading to overflows. This project will allow the City to extend the service life of the station and the existing pumps.</p> <p>In addition, this project will address the root cause of overflows in I&I. KY Rural Water is completing a CCTV investigation of the gravity sewer system. Approximately 2,000 feet of sewers and nearly 180 manholes require lining and resurfacing to address the most problem areas.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,670,640	Eng - Design / Const	102,500	
		Eng - Insp	70,900	
		Eng - Other	11,400	
		Construction	1,350,840	
		Contingency	135,000	
TOTAL	\$1,670,640	TOTAL	\$1,670,640	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates, Inc.		
PROJECT SCHEDULE	Bid Opening	October 20, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,110		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	345	\$41.00 (for 4,000 gallons)	
	Additional	0	\$41.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	30,575	54,795	(24,220)	0.6
Audited 2020	(43,042)	56,560	(99,602)	-0.8
Audited 2021	(31,680)	61,065	(92,745)	-0.5

Scoring		Rubrick		Metrics		
CITY OF CRAB ORCHARD						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,331	State MHI \$60,183	Percentage 47.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.56	2020 DCR -0.76	2021 DCR -0.52
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 3.88	2020 APT 6.34	2021 APT 9.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 31.89	2020 ARD 36.50	2021 ARD 30.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		72				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-009	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21203008	
BORROWER	CITY OF MOUNT VERNON ROCKCASTLE COUNTY			
BRIEF DESCRIPTION				
<p>An existing dry pit sewage lift station with a capacity of 250 GPM is located behind the Mount Vernon Church of God on Hunter Street. This lift station experiences frequent maintenance issues and outages due to its age and deteriorated condition. Because this station is a dry pit system and is in poor condition, maintenance of the system involves risk to worker safety.</p> <p>This project intends to replace the existing lift station with a new lift station of equal capacity. In this alternative, an existing manhole will be replaced with a new wet well outfitted with submersible pumps. The controls for this new station will be accessible above ground, and the existing dry pit station will be decommissioned and safely abandoned.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$928,575	Administrative Expenses	\$10,000	
		Legal Expenses	20,000	
		Land, Easements	150,000	
		Planning	35,715	
		Eng - Design / Const	55,715	
		Eng - Insp	42,860	
		Eng - Other	14,285	
		Construction	500,000	
		Contingency	100,000	
TOTAL	<u>\$928,575</u>	TOTAL	<u>\$928,575</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	February 14, 2025		
	Construction Start	February 28, 2025		
	Construction Stop	June 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,713		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,076	\$24.65 (for 4,000 gallons)	
	Additional	0	\$24.65 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	120,292	428,377	(308,085)	0.3
Audited 2022	279,670	434,265	(154,595)	0.6
Audited 2023	312,721	403,649	(90,928)	0.8

Scoring		Rubrick		Metrics		
CITY OF MOUNT VERNON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,143	State MHI \$60,183	Percentage 58.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.28	2022 DCR 0.64	2023 DCR 0.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.43	2022 APT 13.76	2023 APT 19.03
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 39.33	2022 ARD 47.17	2023 ARD 50.04
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-010	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21203191	
BORROWER	CITY OF MOUNT VERNON ROCKCASTLE COUNTY			
BRIEF DESCRIPTION The Mount Vernon WWTP has exceeded th design life and equipment is failing and unable to treat the raw wastewater reliably. In addition, there is no land available at the existing site to construct a new treatment facility. Significant industrial growth is expected with the new Mega Site development. The project to recondition/rebuild or relocate the wastewater treatment plant. The current wastewater treatment plant is under-sized and located in a residential area which generates numerous complaints on odor. There have been numerous permit compliance issues in the last year. The project would be estimated to be \$12.6 million in construction cost.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,600,000	Administrative Expenses	\$0	
		Construction	12,600,000	
TOTAL	<u>\$12,600,000</u>	TOTAL	<u>\$12,600,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	April 30, 2025		
	Construction Start	May 31, 2025		
	Construction Stop	October 31, 2026		
DEBT PER CUSTOMER	Existing	\$1,422		
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,809	\$24.65 (for 4,000 gallons)	
	Additional	0	\$24.65 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	120,292	428,377	(308,085)	0.3
Audited 2022	279,670	434,265	(154,595)	0.6
Audited 2023	312,721	403,649	(90,928)	0.8

Scoring		Rubrick		Metrics		
CITY OF MOUNT VERNON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,143	State MHI \$60,183	Percentage 58.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.28	2022 DCR 0.64	2023 DCR 0.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.43	2022 APT 13.76	2023 APT 19.03
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 39.33	2022 ARD 47.17	2023 ARD 50.04
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		71				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-110	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21175063	
BORROWER	MORGAN COUNTY WATER DISTRICT MORGAN COUNTY			
<p>BRIEF DESCRIPTION Morgan County Water District (MCWD) is currently facing severe financial and managerial challenges, with a newly formed board struggling to maintain operations due to insufficient funds for monthly bills and operational costs. The district is applying for \$500,000 in WWATERS funding to help bolster its financial capacity and sustain its water system.</p> <p>The MCWD owes the Cave Run Water Commission over \$200,000 for wholesale water purchases, with unpaid bills accumulating since October 2023. Additionally, the district has approximately \$85,000 in outstanding bills for other expenses. Compounding the financial strain, there is a balloon loan payment of \$150,000 due in May 2025. Morgan County is also bracing for further expenses related to legal and accounting services.</p> <p>The combination of these financial obligations and the need for essential services has placed the MCWD in a precarious position, highlighting the urgency for external funding and support to stabilize the district and ensure continued water service to its customers.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$500,000	Relocation Expense & Payments	500,000	
TOTAL	\$500,000	TOTAL	\$500,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	N/A		
	Construction Start	N/A		
	Construction Stop	N/A		
DEBT PER CUSTOMER	Existing	\$10,880		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,060	\$69.59 (for 4,000 gallons)	
	Additional	0	\$69.59 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	401,329	383,864	17,465	1.0
Audited 2022	366,912	240,966	125,946	1.5
Audited 2023	102,079	314,650	(212,571)	0.3

Scoring		Rubrick		Metrics		
MORGAN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,157	State MHI \$60,183	Percentage 78.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.8%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.05	2022 DCR 1.52	2023 DCR 0.32
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.79	2022 APT 51.25	2023 APT 29.82
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.42	2022 ARD 24.32	2023 ARD 21.97
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		71				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-067	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21109001	
BORROWER	CITY OF MCKEE JACKSON COUNTY			
BRIEF DESCRIPTION				
<p>The Phase 1 Wastewater System Rehabilitation will address known excessive I/I in the North KY 89 sewershed and four gravity creek crossings in two other sewershed to reduce the flow rates to the WWTP which has been inundated by I/I with flow rates more than double the KPDES limits of the WWTP.</p> <p>The existing collection system is gravity sewer that follows along Bills Branch Creek. The system has known deficiencies and sources of I/I. The proposed project would install a new low pressure sewer system with residential grinders and a new lift station that will serve McKee Elementary School and the Jackson Valley Apartments. The project would also include improvements at the WWTP blower building by installing energy efficient blowers, controls, light fixtures and Variable Frequency Drives. The new lift station would also include premium efficiency motors with VFD controls to limit energy consumption.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,702,099	Administrative Expenses	\$50,000	
HB303 Reallocation 3c-2017	237,901	Legal Expenses	5,000	
		Land, Easements	8,930	
		Planning	10,000	
		Eng - Design / Const	120,300	
		Eng - Insp	73,800	
		Eng - Other	25,500	
		Construction	1,490,250	
		Contingency	156,220	
TOTAL	<u>\$1,940,000</u>	TOTAL	<u>\$1,940,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	March 1, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	December 1, 2025		
DEBT PER CUSTOMER	Existing	\$3,049		
RESIDENTIAL RATES	Current	<u>Users</u> 236	<u>Avg. Bill</u> \$34.07 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	47,321	70,531	(23,210)	0.7
Audited 2021	95,726	74,426	21,300	1.3

Scoring		Rubrick		Metrics		
CITY OF MCKEE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$21,560	State MHI \$60,183	Percentage 35.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.67	2020 DCR NA	2021 DCR 1.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 37.59	2020 APT NA	2021 APT 26.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 27.25	2020 ARD NA	2021 ARD 28.01
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		70				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-143	
REVOLVING LOAN / GRANT FUND		WRIS Number	No WRIS - Non Capital	
BORROWER	LIVINGSTON MUNICIPAL WATER WORKS ROCKCASTLE COUNTY			
BRIEF DESCRIPTION				
<p>The use of this funding will go towards paying for forensic audits for the years of 2019 and 2023 to return the City of Livingston to compliance. Due to the investigation being conducted for the years of 2018-2022, the Department of Local Government is requesting we conduct forensic audits and reconstruct the financial situations that occurred during those time periods. Due to the lack of state funding because of the audits not being complete in the past, the city's funding has been very limited. A portion of the requested funds will also go towards debt relief to the USDA Loan and Woods Creek water service. The City of Livingston has been working diligently to return to compliance in order to move forward.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$220,178	Other	220,178	
TOTAL	\$220,178	TOTAL	\$220,178	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	N/A		
	Construction Start	N/A		
	Construction Stop	N/A		
DEBT PER CUSTOMER	Existing	N/A		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	162	\$23.00 (for 4,000 gallons)	
	Additional	0	\$23.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(12,306)	0	(12,306)	n/a
Audited 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a

Scoring		Rubrick		Metrics		
LIVINGSTON MUNICIPAL WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$30,085	State MHI \$60,183	Percentage 50.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA	2022 DCR NA	2023 DCR NA
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT NA	2022 APT NA	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD NA	2022 ARD NA	2023 ARD NA
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-061	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21027005	
BORROWER	CITY OF CLOVERPORT BRECKINRIDGE COUNTY			
BRIEF DESCRIPTION				
<p>This proposed project will include the construction of a new wastewater treatment plant and increase capacity to 0.3 MGD. The new plant will provide improved treatment/effluent and allow for more efficient management of the system. VFDs and SCADA will be installed further improving energy efficiencies and control over the plant operations.</p> <p>The existing wastewater treatment plant is over 55 years old and is in poor condition. The existing plant has many functional problems and equipment that has outlived its useful life. The City is under an agreed order regarding violations with the treatment plant.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,171,000	Administrative Expenses	\$30,000	
		Legal Expenses	10,000	
		Planning	50,000	
		Eng - Design / Const	388,000	
		Eng - Insp	263,000	
		Eng - Other	50,000	
		Construction	5,800,000	
		Contingency	580,000	
TOTAL	\$7,171,000	TOTAL	\$7,171,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
PROJECT SCHEDULE	Bid Opening	September 22, 2026		
	Construction Start	November 15, 2026		
	Construction Stop	November 30, 2027		
DEBT PER CUSTOMER	Existing	\$846		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	416	\$43.43 (for 4,000 gallons)	
	Additional	0	\$43.43 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	41,279	70,945	(29,666)	0.6
Audited 2022	0	0	0	n/a
Audited 2023	38,735	39,277	(542)	1.0

Scoring		Rubrick		Metrics		
CITY OF CLOVERPORT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,250	State MHI \$60,183	Percentage 55.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.58	2022 DCR NA	2023 DCR 0.99
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.55	2022 APT N/A	2023 APT 3.10
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.50	2022 ARD N/A	2023 ARD 38.76
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-056	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21133081	
BORROWER	CITY OF JENKINS LETCHER COUNTY			
BRIEF DESCRIPTION				
<p>This project includes 11,500 LF of 6" PVC waterline, 15 of the 6" D.I.M.J. Gate Valve and Box, 10 of the flushing hydrant assembly, type 1, 83 of the 5/8" x 3/4" tandem setter tub w/ IPRV and 83 of the Sensus Iperl Meter with Radio Read. It also consists of 3,000 LF of the 3/4" PE CL200 service line, 2 combination air relief valve, 1 duplex pump station, 2 of the 100,000 gallon Water Storage Tank and Valve vault, and 10 waterline markers. This project is to extend water service to the planned Grand View High Ground Subdivision located in Jenkins, KY. This subdivision in Phase I will include approximately 115 .30 acre lots for survivors of the 2022 1,000 year flood event that ravaged eastern Kentucky. The flood damaged nearly 9,000 houses in the region and took the lives of 43 people. The region was already in a housing shortage crisis before the flood, now it has exacerbated the issue causing increased outmigration and an increased desperation among residents to the point some are living in RV's, storage sheds and with family as they just can't find housing or afford it. It is critical that the region develop adequate housing to not only house current residents, but to attract new residents and businesses to the region. Businesses will not locate to the area if the workforce is not readily available to fill positions. This project is a critical need for not only Letcher County, but the entire region.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,835,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	5,000	
		Eng - Design / Const	183,500	
		Eng - Insp	106,500	
		Eng - Other	15,000	
		Construction	2,241,250	
		Contingency	223,750	
TOTAL	\$2,835,000	TOTAL	\$2,835,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc		
PROJECT SCHEDULE	Bid Opening	July 30, 2025		
	Construction Start	August 30, 2025		
	Construction Stop	March 30, 2026		
DEBT PER CUSTOMER	Existing	\$13,487		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	838	\$40.59 (for 4,000 gallons)	
	Additional	115	\$40.59 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	77,657	186,671	(109,014)	0.4
Audited 2022	131,308	147,596	(16,288)	0.9
Audited 2023	149,204	188,650	(39,446)	0.8

Scoring		Rubrick		Metrics		
CITY OF JENKINS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,631	State MHI \$60,183	Percentage 47.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.42	2022 DCR 0.89	2023 DCR 0.79
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.66	2022 APT 9.13	2023 APT 5.40
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 34.43	2022 ARD 32.78	2023 ARD 51.31
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		66				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-019	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX 21155015	
BORROWER	CITY OF BRADFORDSVILLE MARION COUNTY			
BRIEF DESCRIPTION				
The proposed Phase 2 project is to continue I&I Rehabilitation begun approximately 3 years ago to address an Agreed Order issued by EEC Enforcement. Phase 2 will include approximately 6,000 LF of CCTV Investigation, 3,000 LF of CIPP Sewer Line Rehabilitation, Rehabilitation or Replacement of approximately 30 manholes, and an estimated 15 ea. Sewer Line Point Repairs. Included in the project will be planning, project administration, engineering, design, plans and specifications, construction administration and construction inspection. Completion of this project will comply with the Agreed Order Corrective Action Plan approved by EEC Enforcement. Copies of the Agreed Order, Corrective Action Plan, and letter from EEC Enforcement approving the CAP are attached.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$747,500	Administrative Expenses	\$15,000	
		Planning	10,000	
		Eng - Design / Const	57,000	
		Eng - Insp	28,500	
		Construction	570,000	
		Contingency	67,000	
TOTAL	<u>\$747,500</u>	TOTAL	<u>\$747,500</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	Jun-25		
	Construction Start	Jul-25		
	Construction Stop	Dec-25		
DEBT PER CUSTOMER	Existing	\$285		
	Proposed	\$285		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	136	\$51.69 (for 4,000 gallons)	
	Additional	0	\$51.69 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,326	7,140	186	1.0
Audited 2022	6,472	5,812	660	1.1
Audited 2023	(2,032)	7,281	(9,313)	-0.3
2024	(6,793)	50	(6,843)	-135.9

Scoring		Rubrick		Metrics		
CITY OF BRADFORDSVILLE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$30,055	State MHI \$60,183	Percentage 49.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.03	2022 DCR 1.11	2023 DCR -0.28
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 21.51	2022 APT 4.46	2023 APT 11.42
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.30	2022 ARD 54.45	2023 ARD 33.69
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Russell Neal November 7, 2024 W25-129 SX21167028	
BORROWER	MERCER COUNTY SANITATION DISTRICT MERCER COUNTY			
BRIEF DESCRIPTION				
<p>In accordance with the Mercer County Sanitation District's 2006 Regional Facilities Plan, providing sanitary sewer service to the areas around Herrington Lake is a high priority. The residential communities in the Herrington Lake Watershed are currently served by aging septic tanks and two small package treatment plants. This project will allow the communities around the lake to be served with individual grinder pump stations and small diameter force mains that lead to a regional pump station. The pump station will pump flow through an 8-IN force main that will run down SR 152 and into the Burgin Central Pump Station which currently pumps flow to Danville for treatment.</p> <p>This project will study the route and then design and construct a force main along SR 152 from the Burgin Central Pump Station, east approx. 20,000 feet towards Herrington Lake where it will end at a regional pump station. From there this first phase project will connect three communities to serve a total of 252 new customers with grinder pumps and small diameter force mains: Chimney Rock, Bradshaw's Camp, and Herrington Woods.</p> <p>The force main and pump station will provide the backbone for additional future projects that would connect these other communities: Cane Run Camp (37 customers), Ashley's Camp (45 customers), Hager's Camp (26 customers), Paradise Camp (33 customers), and Lakeview Point (340 customers), to the pump station via grinder pumps and small diameter force main systems for a total of an additional 481 customers served.</p> <p>Providing public sewer to this area will alleviate the waste that makes its way into the lake through ill-functioning septic systems. The project would also decommission the Chimney Rock package plant and turn it into a pump station. Providing public sewer to this area will open up development opportunities for additional homes and businesses as well as local marina upgrades and expansions.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$11,153,992	Administrative Expenses	\$10,000	
		Legal Expenses	10,000	
		Land, Easements	30,000	
		Planning	40,000	
		Eng - Design / Const	679,102	
		Eng - Insp	591,208	
		Construction	8,291,846	
		Contingency	1,501,836	
TOTAL	\$11,153,992	TOTAL	\$11,153,992	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates, inc.		
PROJECT SCHEDULE	Bid Opening	August 1, 2026		
	Construction Start	January 1, 2027		
	Construction Stop	April 1, 2028		
DEBT PER CUSTOMER	Existing	\$82,823		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	59	\$70.76 (for 4,000 gallons)	
	Additional	252	\$70.76 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	174,368	238,284	(63,916)	0.7
Audited 2022	172,317	249,893	(77,576)	0.7
Audited 2023	283,728	231,541	52,187	1.2

Scoring		Rubrick		Metrics		
MERCER COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,827	State MHI \$60,183	Percentage 97.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.73	2022 DCR 0.69	2023 DCR 1.23
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.22	2022 APT 2.87	2023 APT 2.66
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 63.11	2022 ARD 60.67	2023 ARD 55.19
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		66				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-085 SX21171022
BORROWER	CITY OF GAMALIEL MONROE COUNTY		
BRIEF DESCRIPTION			
<p>The City of Gamaliel operates a 0.1MGD Wastewater Treatment Plant (WWTP) with a Collection System consisting of 181 low pressure pumps feeding 5 lift stations. Both the WWTP and the Collection System are in need of upgrade and repairs.</p> <p>The WWTP consist of a packaged steel construction Oxidation Ditch with integral Circular Clarifier. Chlorination was replaced with UV in 2015 and the existing chlorine contact tank is now used for effluent flow measurement and has aeration added. Repairs and maintenance are needed to keep the plant operational including a structural evaluation of the 30+ year old plant. Also needed are upgrades to the oxidation ditch to gain significant energy savings by upgrading antiquated motors, obtaining more efficient aerators and introducing an oxygen control mixer. The Clarifier structural steel is corroded to the point that failure is a concern. The scum trough is also corroded to the point that it is nearly inoperable.</p> <p>The collection system lift stations are in need of upgrade and repair and new gates and fencing repairs are needed at the lift stations for adequate security.</p>			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$5,009,600	Administrative Expenses	\$40,000
		Eng - Design / Const	438,000
		Eng - Insp	360,000
		Eng - Other	205,000
		Construction	3,966,600
TOTAL	<u>\$5,009,600</u>	TOTAL	<u>\$5,009,600</u>
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2026 August 1, 2026 January 1, 2028	
DEBT PER CUSTOMER	Existing	\$0	
RESIDENTIAL RATES	Current Additional	<u>Users</u> 200 0	<u>Avg. Bill</u> \$39.50 (for 4,000 gallons) \$39.50 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	(91,208)	16,600	(107,808) -5.5
Audited 2022	(90,446)	19,758	(110,204) -4.6
Audited 2023	(106,068)	0	(106,068) n/a

Scoring		Rubrick		Metrics		
CITY OF GAMALIEL						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,843	State MHI \$60,183	Percentage 57.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -5.49	2022 DCR -4.58	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.52	2022 APT 1.61	2023 APT 2.86
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 8.02	2022 ARD 6.27	2023 ARD 2.86
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		65				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-109	
REVOLVING LOAN / GRANT FUND		WRIS Number	N/A	
BORROWER	MOUNTAIN WATER DISTRICT PIKE COUNTY			
BRIEF DESCRIPTION Payment of the following debt obligations:				
KIA LOAN DEBT A-16-079 - Residential Grinder Station Project Remaining balance as of January 1, 2025 - \$199,667.95 Annual Amount Paid: \$16,148.74 Monthly Amount Paid: \$1,345.72				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,155,542	Administrative Expenses	\$0	
		Other	1,155,542	
TOTAL	<u>\$1,155,542</u>	TOTAL	<u>\$1,155,542</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	0		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing	\$1,006		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	16,585	\$54.91 (for 4,000 gallons)	
	Additional	0	\$54.91 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,720,178	1,846,021	(125,843)	0.9
Audited 2022	1,257,774	2,372,429	(1,114,655)	0.5
Audited 2023	1,119,107	1,653,336	(534,229)	0.7

Scoring			Rubrick	Metrics		
MOUNTAIN WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,904	State MHI \$60,183	Percentage 69.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.93	2022 DCR 0.53	2023 DCR 0.68
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.94	2022 APT 1.84	2023 APT 1.15
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 38.71	2022 ARD 46.07	2023 ARD 47.01
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		65				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-114	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21195067	
BORROWER	MOUNTAIN WATER DISTRICT PIKE COUNTY			
BRIEF DESCRIPTION The purpose of this project is to make urgently needed repairs to the Russell Fork Water Treatment Plant, which is the primary source of water for Mountain Water District's 16,513 existing water customers. The water treatment plant is now reaching twenty (20) years of age, and many of the components have past their life expectancy. This plant is the heart of Mountain Water District's system and must undergo an upgrade of its aging infrastructure to continue to provide the high quality, potable water service that our customers need and deserve. The project includes upgrades to the discharge line size that backwashes the plant into the lagoons. This project will also rehabilitate or replace the plant's chemical ventilation system that is imperative for the control of harmful fumes and the improvement of air quality for the safety of our plant employees who staff the plant 24 hours per day/7				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,454,000	Administrative Expenses	\$30,000	
		Planning	31,000	
		Eng - Design / Const	134,000	
		Eng - Insp	119,000	
		Eng - Other	35,000	
		Construction	1,912,500	
		Contingency	192,500	
TOTAL	<u>\$2,454,000</u>	TOTAL	<u>\$2,454,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	7-21 days post advertisement		
	Construction Start	summer, 2025		
	Construction Stop	summer, 2026		
DEBT PER CUSTOMER	Existing	\$1,006		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	16,585	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,720,178	1,846,021	(125,843)	0.9
Audited 2022	1,257,774	2,372,429	(1,114,655)	0.5
Audited 2023	1,119,107	1,653,336	(534,229)	0.7

Scoring			Rubrick	Metrics		
MOUNTAIN WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,904	State MHI \$60,183	Percentage 69.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.93	2022 DCR 0.53	2023 DCR 0.68
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.94	2022 APT 1.84	2023 APT 1.15
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 38.71	2022 ARD 46.07	2023 ARD 47.01
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-154	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21235013	
BORROWER	WHITLEY COUNTY WATER DISTRICT WHITLEY COUNTY			
BRIEF DESCRIPTION				
<p>The project will replace old deteriorated often undersized lines in eight areas of the existing distribution system and extend a transmission main from the City of Williamsburg system to the District's existing distribution system along KY 92 West. The lines planned for replacement are significant contributors to the District's unacceptably high water loss. The transmission main will allow the District to replace the McCreary County Water District (MCWD) as a wholesale source with the City of Williamsburg. The new lines will consist of approximately 800 LF of 8-inch; 2,700 LF of 6-inch; 45,100 LF of 4-inch; and 8,200 LF of 3-inch PVC waterline. The connection to the Williamsburg system will require approximately 27,300 LF of 6-inch waterline and a booster pump station.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,290,000	Administrative Expenses	\$50,110	
		Legal Expenses	25,000	
		Land, Easements	25,000	
		Planning	18,000	
		Eng - Design / Const	232,400	
		Eng - Insp	128,000	
		Eng - Other	30,000	
		Construction	2,455,900	
		Contingency	325,590	
TOTAL	<u>\$3,290,000</u>	TOTAL	<u>\$3,290,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening	September 15, 2025		
	Construction Start	November 1, 2025		
	Construction Stop	November 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,921		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,844	\$45.57 (for 4,000 gallons)	
	Additional	0	\$45.57 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	476,692	325,260	151,432	1.5
Int. P & L 2022	425,248	306,330	118,918	1.4
Int. P & L 2023	622,197	296,435	325,762	2.1

Scoring		Rubrick		Metrics		
WHITLEY COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,984	State MHI \$60,183	Percentage 71.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.47	2022 DCR 1.39	2023 DCR 2.10
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.71	2022 APT 17.55	2023 APT 13.08
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 30.08	2022 ARD 51.45	2023 ARD 49.74
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		65				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-014	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21057030	
BORROWER	CITY OF BURKESVILLE CUMBERLAND COUNTY			
BRIEF DESCRIPTION				
<p>Replace drinking water distribution lines in an approximately .20 square mile area of the City of Burkesville bounded by N Main Street, Oakland Street, N King St, and 7th Street. The majority of lines in this area are 1935 era cast iron lines that exhibit signs of tuberculation and degradation. Phase 1 encompasses Oakland St and Woodland (City Street 1010) and connecting streets.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,646,875	Administrative Expenses	\$10,000	
		Eng - Design / Const	94,000	
		Eng - Insp	60,000	
		Eng - Other	25,000	
		Construction	1,217,875	
		Contingency	240,000	
TOTAL	<u>\$1,646,875</u>	TOTAL	<u>\$1,646,875</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW		
PROJECT SCHEDULE	Bid Opening	Apr-25		
	Construction Start	Apr-25		
	Construction Stop	Oct-25		
DEBT PER CUSTOMER	Existing	\$4,975		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	818	\$34.28 (for 4,000 gallons)	
	Additional	0	\$34.28 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	337,162	494,058	(156,896)	0.7
Audited 2022	250,333	283,449	(33,116)	0.9
Audited 2023	239,744	700,185	(460,441)	0.3

Scoring		Rubrick		Metrics		
CITY OF BURKESVILLE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,447	State MHI \$60,183	Percentage 47.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.68	2022 DCR 0.88	2023 DCR 0.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.17	2022 APT 9.15	2023 APT 10.14
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 71.42	2022 ARD 35.18	2023 ARD 30.61
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		64				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-126	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21045018	
BORROWER	CITY OF LIBERTY CASEY COUNTY			
BRIEF DESCRIPTION				
<p>The source of water for the City of Liberty and Casey County is Lake Liberty. Lake Liberty was constructed in 1975 and the 80-acre lake replaced a totally inadequate source on the upper Green River which left the City of Liberty out of water on numerous occasions. The City of Liberty proposes to construct a second lake to supplement Lake Liberty. The Lake would be similar in size (which doubles the water supply), and would be located in the adjacent valley to the east. Water from this second lake would be pumped to Lake Liberty in order to avoid the severe drawdown of the impoundment now being experienced.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$9,044,000	Administrative Expenses	\$60,000	
		Land, Easements	261,000	
		Planning	194,000	
		Eng - Design / Const	402,000	
		Eng - Insp	302,000	
		Eng - Other	70,000	
		Construction	4,021,000	
		Contingency	358,000	
		Other	3,376,000	
TOTAL	<u>\$9,044,000</u>	TOTAL	<u>\$9,044,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky		
PROJECT SCHEDULE	Bid Opening	June 15, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$35,607		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	915	\$52.25 (for 4,000 gallons)	
	Additional	0	\$52.25 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	429,790	502,045	(72,255)	0.9
Audited 2022	608,093	500,961	107,132	1.2
Audited 2023	313,014	500,525	(187,511)	0.6

Scoring		Rubrick		Metrics		
CITY OF LIBERTY						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$29,397	State MHI \$60,183	Percentage 48.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.86	2022 DCR 1.21	2023 DCR 0.63
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 7.30	2022 APT 16.88	2023 APT 7.25
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 37.89	2022 ARD 37.95	2023 ARD 35.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-041	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21105009	
BORROWER	CITY OF COLUMBUS HICKMAN COUNTY			
BRIEF DESCRIPTION				
<p>The city's water treatment plant needs various upgrades. The upgrades are, but not limited to, replacing outdated and deteriorating equipment including valves, well meters, disinfectant chlorination piping, piping for the high service pumps, electrical service components and security fencing, at the water treatment plant and wells. Additionally, the deteriorating and obsolete clearwell at the plant needs to be removed to prevent infiltration into the treated water supply. The project would include demolishing the old WTP structure and building the larger WTP. Project would also consist of installing a generator at the plant for an alternative power supply. Finally, to address real water loss, a large-scale customer water meter replacement is necessary.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,800,000	Administrative Expenses	\$75,000	
		Eng - Design / Const	203,000	
		Eng - Insp	120,000	
		Eng - Other	35,000	
		Construction	1,242,000	
		Contingency	125,000	
TOTAL	\$1,800,000	TOTAL	\$1,800,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	February 1, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	100	\$47.50 (for 4,000 gallons)	
	Additional	0	\$47.50 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
UNAUDITED FIN STMNT 2021	(944)	0	(944)	n/a
UNAUDITED FIN STMNT 2022	2,120	0	2,120	n/a
UNAUDITED FIN STMNT 2023	(2,265)	0	(2,265)	n/a

Scoring		Rubrick		Metrics		
CITY OF COLUMBUS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$36,450	State MHI \$60,183	Percentage 60.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA	2022 DCR NA	2023 DCR NA
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT NA	2022 APT NA	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 0.00	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points			50% or More
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		64				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-076	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21133023	
BORROWER	CITY OF WHITESBURG LETCHER COUNTY			
BRIEF DESCRIPTION				
<p>The Whitesburg I&I Phase I project marks the initial phase of a Sewer System Evaluation Survey (SSES) program. This phase will involve the TV inspection and smoke testing of approximately 51,000 linear feet of sewer line, followed by a comprehensive report detailing the findings and providing rehabilitation recommendations. The subsequent phase will focus on addressing the sewer line deficiencies identified, with priority given to those that are most critical and cost-effective to repair or replace. The rehabilitation process will continue in a prioritized manner until the available funds are fully utilized.</p> <p>Need for Project:</p> <p>The City of Whitesburg's sewer system sustained significant damage during the 2022 flood, compromising the integrity of the sewer facilities. Post-flood, the city has received multiple violations from the Division of Water due to exceedances in Biochemical Oxygen Demand (BOD) and BOD percent removal. The floodwaters inundated the sewer collection lines, leading to saturated bedding and backfill, which in turn increased the external pressure on the pipes, causing structural damage to the pipe walls, seams, and manholes. As floodwaters receded, groundwater movement further eroded the soil supporting the sewer infrastructure, leading to the loss of vital bedding material that is essential for the stability and longevity of the sewer lines and manholes. This project is crucial for promoting public health and ensuring compliance with the Clean Water Act, as it aims to restore and reinforce the damaged sewer infrastructure, thereby preventing further environmental violations and safeguarding the community's health and safety.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,650,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Land, Easements	10,000	
		Planning	10,000	
		Eng - Design / Const	228,000	
		Eng - Insp	125,000	
		Eng - Other	55,000	
		Construction	2,870,000	
		Contingency	292,000	
TOTAL	\$3,650,000	TOTAL	\$3,650,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering INC		
PROJECT SCHEDULE	Bid Opening	July 15, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	March 30, 2026		
DEBT PER CUSTOMER	Existing	\$1,976		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		780	\$28.07 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(714,113)	204,141	(918,254)	-3.5
Audited 2022	103,996	154,469	(50,473)	0.7
Audited 2023	N/A	N/A	N/A	N/A

Scoring		Rubrick		Metrics		
CITY OF WHITESBURG						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,918	State MHI \$60,183	Percentage 58.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -3.50	2022 DCR 0.67	2023 DCR N/A
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 74.01	2022 APT 4.81	2023 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.10	2022 ARD 33.94	2023 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-140 WX21119029	
BORROWER	THE CITY OF HINDMAN KNOTT COUNTY			
BRIEF DESCRIPTION				
Construction will Include the installation of new residential meters with Radio-Read heads. Installation of a new Radio Read system including remote reading laptops with receivers and mainframe office computer. This project will improve the system's efficiency by reducing the time and human errors of visually reading meters.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$808,500	Administrative Expenses	\$50,000	
CDBG	808,500	Planning	5,000	
		Eng - Design / Const	115,000	
		Eng - Insp	72,000	
		Construction	1,250,000	
		Contingency	125,000	
TOTAL	<u>\$1,617,000</u>	TOTAL	<u>\$1,617,000</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 15, 2025 September 1, 2025 May 31, 2025		
DEBT PER CUSTOMER	Existing	\$5,464		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 650 0	<u>Avg. Bill</u> \$36.29 (for 4,000 gallons) \$36.29 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	15,426	73,411	(57,985)	0.2
Audited 2021	2,651	59,412	(56,761)	0.0
Audited 2022	92,781	99,498	(6,717)	0.9

Scoring			Rubrick	Metrics		
THE CITY OF HINDMAN						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$36,048	State MHI \$60,183	Percentage 59.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.21	2021 DCR 0.04	2022 DCR 0.93
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 26.36	2021 APT 10.26	2022 APT 8.63
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 34.99	2021 ARD 35.43	2022 ARD 40.94
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-128	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21063017	
BORROWER	COUNTY FISCAL COURT ELLIOTT COUNTY			
BRIEF DESCRIPTION				
<p>The project will construct approximately 42,000 linear feet of 3" PVC on nine roads in rural Elliott County. The areas (listed below) are currently unserved by public utilities and rely on wells for potable water. Forty-seven new customers will be hooked into the water system and new meters will be installed with each.</p> <ol style="list-style-type: none"> 1. Dicks Branch Road consists of approximately 3,000 L.F. of 3" PVC water main with 5 new customer meters. 2. Ky 409 Connector consists of approximately 7,400 L.F. of 3" PVC water main with 3 new customer meters. 3. Woods Road consists of approximately 6,000 L.F. of 3" PVC water main with 6 new customer meters. 4. Hamilton Branch consists of approximately 6,800 L.F. of 3" PVC water main with 4 new customer meters. 5. Gallion Branch consists of approximately 3,500 L.F. of 3" PVC water main with 10 new customer meters. 6. Oliver Branch Road consists of approximately 2,500 L.F. of 3" PVC water main with 5 new customer meters. 7. Kazee Road consists of approximately 2,000 L.F. of 3" PVC water main with 4 new customer meters. 8. Carter Ford Road consists of approximately 5,280 L.F. of 3" PVC water main with 5 new customer meters. 9. Newcombe Road consists of 6,000 L.F. of 3" PVC water main with 5 new customer meters. 				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,365,100	Administrative Expenses	\$4,500	
		Planning	5,000	
		Eng - Design / Const	91,700	
		Eng - Insp	59,200	
		Eng - Other	2,000	
		Construction	1,071,900	
		Contingency	107,200	
		Other	23,600	
TOTAL	<u>\$1,365,100</u>	TOTAL	<u>\$1,365,100</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
DEBT PER CUSTOMER	Existing	\$2,375		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u> 4,338	<u>Avg. Bill</u> \$70.26 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	302,892	694,445	(391,553)	0.4
Audited 2022	892,852	325,927	566,925	2.7
Audited 2023	1,139,376	675,082	464,294	1.7

Scoring		Rubrick		Metrics		
COUNTY FISCAL COURT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,210	State MHI \$60,183	Percentage 81.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.44	2022 DCR 2.74	2023 DCR 1.69
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 14.51	2022 APT 57.63	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 28.26	2022 ARD 36.25	2023 ARD 44.31
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-124 SX21189007	
BORROWER	CITY OF BOONVILLE OWSLEY COUNTY			
BRIEF DESCRIPTION				
<p>This project aims to re-direct the flow of a significant portion of the City of Booneville's sewage, eliminating the need for a sewer pump station and a river crossing. By utilizing gravity flow, wastewater will be re-routed to an existing pump station that will be upgraded to manage the increased volume. The upgraded pump station will then channel the wastewater directly to the city's wastewater treatment plant (WWTP). This re-direction will allow the city to abandon one river crossing and reduce the flow at two others. The project includes the installation of energy-efficient electrical components, variable frequency drives (VFDs), and a Supervisory Control and Data Acquisition (SCADA) system for enhanced monitoring and control.</p> <p>Need for Project: This project is critical for promoting public health and ensuring compliance with the Clean Water Act. The current wastewater flow is inefficient, requiring multiple pumps around the city due to the old wastewater treatment plant's location on the opposite side of town. This system has led to significant inflow and infiltration (I&I) issues and frequent maintenance problems. By eliminating a pump station and a problematic river crossing, the project will reduce the city's operational costs, particularly the high monthly electric bills, and improve the reliability of the wastewater system. The re-direction of flow to the new WWTP will enhance the city's ability to manage wastewater effectively, reducing the risk of contamination and ensuring better environmental stewardship.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$274,000	Administrative Expenses	\$50,000	
FEMA	750,000	Legal Expenses	10,000	
		Relocation Expense & Payments	10,000	
		Planning	10,000	
		Eng - Design / Const	73,000	
		Eng - Insp	48,000	
		Eng - Other	25,000	
		Construction	726,000	
		Contingency	72,000	
TOTAL	<u>\$1,024,000</u>	TOTAL	<u>\$1,024,000</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	October 1, 2022 September 1, 2025 April 1, 2026		
DEBT PER CUSTOMER	Existing	\$24,265		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 279 0	<u>Avg. Bill</u> \$34.26 (for 4,000 gallons) \$34.26 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	125,537	180,219	(54,682)	0.7
Audited 2022	99,989	154,493	(54,504)	0.6
Audited 2023	(281,167)	221,829	(502,996)	-1.3

Scoring		Rubrick		Metrics		
CITY OF BOONVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,551	State MHI \$60,183	Percentage 57.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.70	2022 DCR 0.65	2023 DCR -1.27
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 17.43	2022 APT 32.92	2023 APT 1.81
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 25.39	2022 ARD 44.37	2023 ARD 56.48
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		61				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-006	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21057029	
BORROWER	CUMBERLAND COUNTY WATER DISTRICT CUMBERLAND COUNTY			
BRIEF DESCRIPTION				
<p>The Cumberland County Water District (CCWD) intends to install approximately 5,400 LF of 6-inch water line along KY Highway 61 in Adair County (installed by Columbia/Adair Utilities District (CAUD) (paid through CCWD funding) and approximately 23,000 LF of new 6-inch water line to connect to the existing CAUD water line at the county line and extend to the existing CCWD water line. A new master meter will be installed to serve as a wholesale connection point along with two pressure reducing stations.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,285,000	Administrative Expenses	\$12,500	
		Legal Expenses	12,500	
		Eng - Design / Const	151,000	
		Eng - Insp	91,000	
		Eng - Other	60,000	
		Construction	1,779,000	
		Contingency	179,000	
TOTAL	<u>\$2,285,000</u>	TOTAL	<u>\$2,285,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MONARCH ENGINEERING, INC.		
PROJECT SCHEDULE	Bid Opening	July 7, 2025		
	Construction Start	October 6, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,568		
RESIDENTIAL RATES	Current	<u>Users</u> 2,954	<u>Avg. Bill</u> \$51.91 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	173,296	327,546	(154,250)	0.5
Audited 2021	383,202	204,094	179,108	1.9
Audited 2022	165,677	262,933	(97,256)	0.6

Scoring			Rubrick	Metrics		
CUMBERLAND COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,474	State MHI \$60,183	Percentage 65.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.53	2021 DCR 1.88	2022 DCR 0.63
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 0.47	2021 APT 1.12	2022 APT 1.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 31.44	2021 ARD 30.76	2022 ARD 37.47
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		61				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-005	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21057022	
BORROWER	CUMBERLAND COUNTY WATER DISTRICT CUMBERLAND COUNTY			
BRIEF DESCRIPTION				
<p>The proposed improvements consist of the installation of approximately 18,000 L.F. of 8-inch, 6-inch, 4-inch and 3-inch water line and appurtenances will be installed to replace existing aging and/or undersized Asbestos Cement (AC) water lines in the Marrowbone Community of Cumberland County. The lines scheduled for replacement are adjacent to Kentucky Highway 90, Ellis Road, Welby Garmon Road, Doc Needham Road, Kentucky Highway 3115, Park Road No. 1, Marrowbone Park Road, Pitcock Drive, Anderson Drive, Sawmill Road, Mosby Drive, and Roadside Spur Road. In addition to the main line replacements, aging service lines and meter settings will also be replaced through this project.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,500,000	Administrative Expenses	\$10,000	
		Legal Expenses	15,000	
		Land, Easements	8,500	
		Eng - Design / Const	163,000	
		Eng - Insp	97,000	
		Eng - Other	20,000	
		Construction	1,955,500	
		Contingency	196,000	
TOTAL	<u>\$2,500,000</u>	TOTAL	<u>\$2,465,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MONARCH ENGINEERING, INC.		
PROJECT SCHEDULE	Bid Opening	March 1, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,568		
RESIDENTIAL RATES	Current	<u>Users</u> 2,954	<u>Avg. Bill</u> \$51.91 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	173,296	327,546	(154,250)	0.5
Audited 2021	383,202	204,094	179,108	1.9
Audited 2022	165,677	262,933	(97,256)	0.6

Scoring			Rubrick	Metrics		
CUMBERLAND COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,474	State MHI \$60,183	Percentage 65.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.53	2021 DCR 1.88	2022 DCR 0.63
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 0.47	2021 APT 1.12	2022 APT 1.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 31.44	2021 ARD 30.76	2022 ARD 37.47
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		61				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-023	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21061012	
BORROWER	CAVELAND SANITATION AUTHORITY, INC D/B/A CAVELAND ENVIRONMENTAL AUTHORITY BARREN COUNTY			
BRIEF DESCRIPTION				
<p>The proposed project will consist of installing two pumping stations. One will be located at the treatment plant site with 17,000 feet of 6-inch force main and the other one located on a higher elevation with a 10,000-feet of 6-inch force main to connect at the Caveland Environmental Chalybeate line. The project will also eliminate a wastewater treatment facility at the City of Brownsville (KY0023396) and a discharge to Green River located at Latitude (N) 37° 11' 48.889" Longitude (W) 86° 16' 27.149". Furthermore, the project will allow the connection of the Kyrock Elementary School.</p> <p>The total construction cost is \$4,350,200.00</p> <p>The pay off of the Rural Development loan for the Sewer Plant is \$501,000.00.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,112,000	Administrative Expenses	\$95,000	
		Eng - Other	500,000	
		Construction	5,925,000	
		Contingency	592,000	
TOTAL	\$7,112,000	TOTAL	\$7,112,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Water Management Services		
PROJECT SCHEDULE	Bid Opening	May 22, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	April 1, 2026		
DEBT PER CUSTOMER	Existing	\$63,199		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	477	\$22.90 (for 4,000 gallons)	
	Additional	126	\$22.90 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	846,584	2,177,888	(1,331,304)	0.4
Audited 2022	975,598	1,060,237	(84,639)	0.9
Audited 2023	1,090,869	1,085,093	5,776	1.0

Scoring		Rubrick		Metrics		
CAVELAND SANITATION AUTHORITY, INC D/B/A CAVELAND ENVIRONMENTAL AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,616	State MHI \$60,183	Percentage 74.1%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.39	2022 DCR 0.92	2023 DCR 1.01
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.30	2022 APT 5.66	2023 APT 3.72
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 26.26	2022 ARD 24.20	2023 ARD 42.23
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	10	if yes, 10 points			Yes
12	Regionalization, consolidation, or partnerships	10	if yes, 10 points			Yes
		61				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Milward Dedman November 7, 2024 W25-013 WX21147041	
BORROWER	MCCREARY COUNTY WATER DISTRICT MCCREARY COUNTY			
BRIEF DESCRIPTION				
This project will replace approximately 26,700 LF of existing 4-inch and 6-inch Asbestos-Concrete waterline in the Marshes Siding and Whitley City areas of McCreary County. A few portions of existing AC waterline will be put out of service via a cut and cap. Proposed lines will be 4-inch and 6-inch PVC. All side roads served from the existing AC waterline will need to be reconnected to the new main.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,657,000	Administrative Expenses	\$20,000	
		Eng - Design / Const	217,000	
		Eng - Insp	120,000	
		Construction	3,000,000	
		Contingency	300,000	
TOTAL	<u>\$3,657,000</u>	TOTAL	<u>\$3,657,000</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Jun-25 Aug-25 May-26		
DEBT PER CUSTOMER	Existing	\$2,279		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 6,041 0	<u>Avg. Bill</u> \$44.50 (for 4,000 gallons) \$44.50 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,168,864	2,305,090	(1,136,226)	0.5
Audited 2022	819,671	1,459,875	(640,204)	0.6
Audited 2023	0	0	0	n/a

Scoring		Rubrick		Metrics		
MCCREARY COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,903	State MHI \$60,183	Percentage 58.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.51	2022 DCR 0.56	2023 DCR NA
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.16	2022 APT 1.10	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.68	2022 ARD 34.57	2023 ARD NA
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-068	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21083086	
BORROWER	CITY OF WINGO GRAVES COUNTY			
BRIEF DESCRIPTION				
<p>This project will consist of replacing asbestos cement waterlines that were originally installed in 1968. This area of the system has several breaks and can cause asbestos cement fibers to enter the drinking water. The replacement will be concentrated in a heavy residential area north of town. Along with the replacement of the water main, the City will also replace the customer meters.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$825,000	Administrative Expenses	\$20,000	
		Land, Easements	20,000	
		Eng - Design / Const	60,000	
		Eng - Insp	41,750	
		Construction	621,050	
		Contingency	62,200	
		Other	-	
TOTAL	<u>\$825,000</u>	TOTAL	<u>\$825,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
PROJECT SCHEDULE	Bid Opening	Oct-25		
	Construction Start	Jan-25		
	Construction Stop	Jul-26		
DEBT PER CUSTOMER	Existing	\$7,958		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	281	\$25.40 (for 4,000 gallons)	
	Additional	0	\$25.40 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	0	0	0	n/a
Audited 2022	0	0	0	n/a
Audited 2023	6,838	21,574	(14,736)	0.3

Scoring		Rubrick		Metrics		
CITY OF WINGO						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,401	State MHI \$60,183	Percentage 80.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR N/A	2022 DCR N/A	2023 DCR 0.32
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT N/A	2022 APT N/A	2023 APT 35.77
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD N/A	2022 ARD N/A	2023 ARD 29.57
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-130	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21193083	
BORROWER	VILLAGE OF BUCKHORN PERRY COUNTY			
BRIEF DESCRIPTION The Village of Buckhorn is undertaking a modernization project to replace its existing Manual Read water meters with a new and advanced Radio Read Meter system. This initiative aims to enhance the efficiency, accuracy, and reliability of water usage data collection for approximately 300 residential properties, one local school, and one state park within the Village. The existing meters within the Village of Buckhorn are old and no longer read accurately. In addition to infrastructure improvements, the funding will help Buckhorn address its financial obligations, including paying off its debt to the City of Hazard. This financial relief will improve Buckhorn's fiscal health and strengthen relationships with neighboring communities, fostering regional cooperation and support.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$319,980	Equipment	141,397	
		Other	178,583	
TOTAL	<u>\$319,980</u>	TOTAL	<u>\$319,980</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	n/a		
	Construction Start	n/a		
	Construction Stop	n/a		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	302	\$42.00 (for 4,000 gallons)	
	Additional	0	\$42.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Int. Unaudited 2022	(86,591)	0	(86,591)	n/a
Int. Unaudited 2023	(119,180)	0	(119,180)	n/a
Int. Unaudited 2024	(301,130)	0	(301,130)	n/a

Scoring		Rubrick		Metrics		
VILLAGE OF BUCKHORN						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,501	State MHI \$60,183	Percentage 80.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR #DIV/0!	2023 DCR #DIV/0!	2024 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT #DIV/0!	2023 APT #DIV/0!	2024 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 0.00	2023 ARD 0.00	2024 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-046	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21055021	
BORROWER	CRITTENDEN-LIVINGSTON COUNTIES WATER DISTRICT LIVINGSTON COUNTY			
BRIEF DESCRIPTION				
This project will expand the Crittenden-Livingston Water Treatment Plant from 2 MGD to 4 MGD and make other improvements to include raw water intake improvements, site work and plant piping, and an additional Cumberland River Crossing in southern Livingston County. All pumps and other treatment plant components added in the expansion will be equipped with VFD's, SCADA, and will be energy efficient . This phase also includes installing an additional generator to work with existing on-site generator and a Jackson Purchase Energy Service upgrade. This phase will also address compliance for emerging contaminants such as PFAS and microplastics.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$26,826,575	Administrative Expenses	\$50,000	
Funding Source 2	7,000,000	Legal Expenses	450,000	
		Planning	150,000	
		Eng - Design / Const	3,501,575	
	-	Construction	27,000,000	
	-	Contingency	2,675,000	
TOTAL	<u>\$33,826,575</u>	TOTAL	<u>\$33,826,575</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	November 15, 2025		
	Construction Start	December 15, 2026		
	Construction Stop	June 15, 2028		
DEBT PER CUSTOMER	Existing	\$10,466		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,705	\$66.76 (for 4,000 gallons)	
	Additional	0	\$66.76 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,423,803	941,357	482,446	1.5
Audited 2022	1,285,822	1,215,687	70,135	1.1
Compiled 2023	974,733	981,366	(6,633)	1.0

Scoring		Rubrick		Metrics		
CRITTENDEN-LIVINGSTON COUNTIES WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,808	State MHI \$60,183	Percentage 81.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.06	2023 DCR 0.99
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 13.99	2022 APT 6.94	2023 APT 6.38
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 32.29	2022 ARD 30.64	2023 ARD 30.07
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	10	if yes, 10 points			Yes
12	Regionalization, consolidation, or partnerships	10	if yes, 10 points			Yes

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-084	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21159013	
BORROWER	MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
<p>The Inez Wastewater Treatment Plant (WWTP) was originally constructed in 1989, one oxidation ditch and one clarifier. The WWTP underwent a modification in 2011 adding a second clarifier. The original clarifier was never upgraded or modified and is beyond its useful life, currently inoperable.</p> <p>The Scope of Work for the WWTP Improvements Project includes but is not limited to site work, the addition of an oxidation ditch, septage receiving station, belt filter press, sludge hauling equipment and the construction of a solids processing building. The project includes the installation of a new influent flow meter, additional valves, yard piping, supervisory control and data acquisition (SCADA), and upgrades to the electrical system.</p> <p>Also included is the rehabilitation of the existing equipment, the addition of a sludge storage & drainage pad, piping relocation, rehabilitation of the original clarifier, installation of site conduit, wiring, and repairing the entry road leading to the Plant.</p> <p>The project also seeks to replace pump stations #1 (Black Log Rd) and #2 (Hardin Bottom), replace floats and add level transducers, electrical upgrades, and the installation of ten (10) grinder pumps throughout the collection system.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,836,550	Planning	10,000	
		Eng - Design / Const	234,000	
		Eng - Insp	188,000	
		Eng - Other	93,000	
		Construction	2,981,000	
		Contingency	1,330,550	
TOTAL	<u>\$4,836,550</u>	TOTAL	<u>\$4,836,550</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	October 1, 2025		
DEBT PER CUSTOMER	Existing	\$14,208		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	616	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,804	State MHI \$60,183	Percentage 64.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-085	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21159014	
BORROWER	MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
Section 1 – The Scope of Work of the Warfield Wastewater Treatment Plant includes but is not limited to the addition of a septage receiving station and mechanical screen, site work, piping and valves, electrical upgrades and the demolition of the a package treatment plant that previously served the Dempsey Housing Project.				
Section 2 – The Scope of Work of the Warfield Wastewater Collection System includes site work around pump station #1, replace floats and level transducer, installation of grinder pumps, electrical upgrades and the construction of pump station #2.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,540,513	Planning	10,000	
		Eng - Design / Const	89,000	
		Eng - Insp	84,000	
		Eng - Other	37,000	
		Construction	1,138,563	
		Contingency	181,950	
TOTAL	<u>\$1,540,513</u>	TOTAL	<u>\$1,540,513</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$37,887		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	231	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,817	State MHI \$60,183	Percentage 79.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-086	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21159016	
BORROWER	MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
Aging infrastructure presents a unique challenge for smaller utilities like Martin County Sanitation District. The Save A Lot Lift Station (Station) wa installed in the late 1990's and is beyond its useful life. The lift Station is currently not operational and is a constant Sanitary Sewer Overflow (SSO) that discharges into Preston Branch. The Lift Station provides sanitary service service to an approximately 15,000 sqaure foot grocery store and 15,000 square foot office space. The duplex station, associated and electrical components are envisioned to replace the sailed system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$125,000	Administrative Expenses	\$5,000	
		Eng - Design / Const	20,000	
		Construction	50,000	
		Equipment	45,000	
		Contingency	5,000	
TOTAL	<u>\$125,000</u>	TOTAL	<u>\$125,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,643		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring		Rubrick		Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,804	State MHI \$60,183	Percentage 64.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-087	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21159019	
BORROWER	MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
<p>The Saltwell Lift Station (Saltwell) is a primary lift station in the sanitary system. The majority of the flows from the southern portion of the system flows through Saltwell. This lift station has had decades of improper maintenance causing it to fail. Failures in this station includes both pumps, piping failure, electrical panel failure and guide rail failure. The proposed project would replace the two 375 gallon per minute (GPM) pumps, motors, guide rails, duplex pump control panel, floats, piping and associated electrical appurtenances.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$320,000	Administrative Expenses	\$10,000	
		Legal Expenses	1,000	
		Eng - Design / Const	42,250	
		Eng - Insp	20,000	
		Construction	234,300	
		Contingency	12,450	
TOTAL	<u>\$320,000</u>	TOTAL	<u>\$320,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	December 1, 2025		
DEBT PER CUSTOMER	Existing	\$2,643		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,804	State MHI \$60,183	Percentage 64.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-106	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21089143	
BORROWER	GREENUP COUNTY FISCAL COURT GREENUP COUNTY			
BRIEF DESCRIPTION As the wastewater treatment facilities move forward with plans to regionalize two package treatment plants and potential decommission problematic sewer treatment plants, Greenup Joint Sewer Agency will require some improvements to operate until final plans are made. The belt press is out of date and barely operational. It will need to be rebuilt to continue operation as options are explored as to keeping this treatment plant or moving their flow to Greenup County Environmental Commission. The motor controls throughout the plant are failing. Regardless of actions taken in the future, this plant will need to operate for the next few years. To do this and prevent bypassing or other issues, the motor controls will need to be replaced.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$300,000	Administrative Expenses	\$5,000	
		Construction	205,000	
		Equipment	90,000	
TOTAL	<u>\$300,000</u>	TOTAL	<u>\$300,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	2/30/2025		
	Construction Start	N/A		
	Construction Stop	N/A		
DEBT PER CUSTOMER	Existing	\$793,853		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2	\$22.00 (for 4,000 gallons)	
	Additional	0	\$22.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	105,808	123,005	(17,197)	0.9
Audited 2021	99,981	122,825	(22,844)	0.8
Audited 2022	110,301	117,673	(7,372)	0.9

Scoring			Rubrick	Metrics		
GREENUP COUNTY FISCAL COURT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,139	State MHI \$60,183	Percentage 78.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.86	2021 DCR 0.81	2022 DCR 0.94
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 4.71	2021 APT 2.92	2022 APT 4.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 39.36	2021 ARD 36.40	2022 ARD 31.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-011	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21053036	
BORROWER	CITY OF ALBANY CLINTON COUNTY			
BRIEF DESCRIPTION				
The project consists of new generators at both WTP-A and WTP-B, replacement of failed turbidimeters, rehabilitation of one raw water pump, and rehabilitation of the gravity filters at WTP-B.				
The location of WTP-A and WTP-B are remote. Both plants are in close proximity to each other - within 200 yards. Both plants have separate power feeds. Both Water Treatment Plants continue to experience power reliability issues and with no backup generator at either plant this causes considerable problems given the demands on the plants and the capacity issues. These funds would be used to install two backup generators with Automatic Transfer Switches providing backup power for both WTP-A and WTP-B.				
Replace 5 failed Hach Turbidimeters and Controllers. Rehabilitating the failed raw water pump. Albany has four raw water pumps, one of which is non functional. Layne has pulled the pump and provided a report with recommended repairs. Due to 3M adhesive issues the three (3) filters at water treatment plant WTP-B are in danger of failing. This 3M adhesive issue is a known issue across the water treatment industry. S4 Water has provided a quote to correct this issue at a cost of \$64,556 per filter. There are three filters.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,410,776	Administrative Expenses	\$40,000	
		Eng - Design / Const	112,000	
		Eng - Insp	33,000	
		Construction	1,164,776	
		Contingency	61,000	
TOTAL	\$1,410,776	TOTAL	\$1,410,776	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers, INC		
PROJECT SCHEDULE	Bid Opening	January 31, 2025		
	Construction Start	March 15, 2025		
	Construction Stop	August 15, 2025		
DEBT PER CUSTOMER	Existing	\$4,097		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,103	\$34.04 (for 4,000 gallons)	
	Additional	0	\$34.04 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	372,214	345,111	27,103	1.1
Audited 2022	265,798	437,337	(171,539)	0.6
Audited 2023	986,396	334,968	651,428	2.9

Scoring		Rubrick		Metrics		
CITY OF ALBANY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$43,555	State MHI \$60,183	Percentage 72.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.08	2022 DCR 0.61	2023 DCR 2.94
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.67	2022 APT 10.18	2023 APT 13.47
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 50.23	2022 ARD 38.08	2023 ARD 66.90
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points			50% or More
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-048	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21233095	
BORROWER	PROVIDENCE WATER WORKS WEBSTER COUNTY			
BRIEF DESCRIPTION				
This project includes the construction of 10,000 LF of 12-inch SDR21 PVC transmission line from the Water Treatment Plant located at 625 Cedar Street to the McElroy water storage tanks site. This would be a dedicated transmission line, used only to fill tanks, allowing the freshest water to fill the tanks directly and improve the overall water quality for customers. The project will benefit 5,000 underserved residents, including those in the City of Providence as well as those in the community of Diamond and areas outside the city.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,990,000	Administrative Expenses	\$58,000	
		Legal Expenses	20,500	
		Planning	15,000	
		Eng - Design / Const	159,000	
		Eng - Insp	111,000	
		Construction	2,386,500	
		Contingency	240,000	
TOTAL	<u>\$2,990,000</u>	TOTAL	<u>\$2,990,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$200		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,683	\$25.76 (for 4,000 gallons)	
	Additional	0	\$25.76 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	157,649	310,296	(152,647)	0.5
Audited 2021	124,367	311,048	(186,681)	0.4
Audited 2022	40,164	217,170	(177,006)	0.2

Scoring			Rubrick	Metrics		
PROVIDENCE WATER WORKS						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,101	State MHI \$60,183	Percentage 83.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.51	2021 DCR 0.40	2022 DCR 0.18
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 2.50	2021 APT 3.54	2022 APT 4.50
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 227.82	2021 ARD 226.76	2022 ARD 240.99
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Russell Neal	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-095	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21025015	
BORROWER	CITY OF JACKSON BREATHITT COUNTY			
BRIEF DESCRIPTION				
<p>This project will include 3700 LF of 8" SDR35 PVC Gravity sewer pipe, 600 LF of 3" SDR21 PVC Force main, 1 sewer lift station, 1 upgrade to church lift station, 16 of the 4' concrete manholes, and 15 of the 20' lateral stubs.</p> <p>Since 2003, the county has experienced 20 FEMA declared disasters. Breathitt County recorded experiences of flooding and severe storms, with flooding being a major burden on the county. Due to its location, the Jackson WWTP experienced flooding during the last two floods when flood levels reached major levels of over 39 ft in 2021, and a record level of over 43 ft in 2022; presidentially declared disasters 4595 & 4663. The flood damaged and/or demolished already aged critical infrastructure, telephone, electricity, internet, businesses, bridges, housing, schools, emergency vehicles, basic roadways and displaced many residents. The City is eligible for FEMA assistance under DR4594 & DR-4663 for damages, however, the City must pay 100% of the expenses upfront and request reimbursement from FEMA for 75%. This has required the City to take on loans to rebuild the City. The damage has resulted in a significant financial strain for the City. Repairing and rebuilding infrastructures are crucial for the City's economic development and population growth. Several displaced residents of these counties have relocated due to the area's inability to build back fast enough, especially in housing.</p> <p>The City is working to rebuild 119 houses for flood survivors and other future housing. The sewer extension and lift station will provide sewer to those housing developments.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,580,000	Administrative Expenses	\$50,000	
		Legal Expenses	\$25,000	
		Planning	5,000	
		Eng - Design / Const	110,000	
		Eng - Insp	69,000	
		Eng - Other	20,000	
		Construction	1,183,000	
		Contingency	118,000	
TOTAL	\$1,580,000	TOTAL	\$1,580,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening	Jul-25		
	Construction Start	Sep-25		
	Construction Stop	Apr-26		
DEBT PER CUSTOMER	Existing	\$5,532		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,009	\$53.38 (for 4,000 gallons)	
	Additional	119	\$53.38 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	410,419	646,450	(236,031)	0.6
Audited 2022	475,222	593,476	(118,254)	0.8
Audited 2023	537,922	460,238	77,684	1.2

Scoring		Rubrick		Metrics		
CITY OF JACKSON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,238	State MHI \$60,183	Percentage 55.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.63	2022 DCR 0.80	2023 DCR 1.17
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.72	2022 APT 7.78	2023 APT 10.46
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 47.46	2022 ARD 44.54	2023 ARD 45.56
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-075	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21019097	
BORROWER	CITY OF CATLETTSBURG BOYD COUNTY			
BRIEF DESCRIPTION				
HDR will design improvements to the Catlettsburg WWTP in accordance with the approved CAP DOW-20-3-0285. Design will include Civil/Process, Electrical, and Structural disciplines.				
Specific improvements will include the following:				
A. Replace influent Parshall flume with new flow meter				
B. Modify influent splitter box, including replacement of slide gates				
C. Replace transfer pipes in existing treatment (Davco) units				
D. Modify grit chamber to reduce overflows in the unit Deliverables will include Drawings, Specifications, and Opinion of Probable Construction Cost (OPCC) for the improvements. HDR will submit project to Kentucky Division of Water (KDOW) for review and approval of construction permit. HDR will provide Bidding services to include pre-bid meeting, response to Requests for Information (RFIs) from prospective Bidders, Addenda as required, bid tabulation, bid package as required for regulatory and funding agencies, and bid recommendation.				
E. Construction Monitoring by Engineer				
F. Construction Project Administration				
G. Construction				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,250,000	Eng - Design / Const	1,250,000	
TOTAL	<u>\$1,250,000</u>	TOTAL	<u>\$1,250,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HDR Engineering		
PROJECT SCHEDULE	Bid Opening	June 15, 2025		
	Construction Start	August 15, 2025		
	Construction Stop	April 1, 2026		
DEBT PER CUSTOMER	Existing	\$5,233		
RESIDENTIAL RATES				
	Current	<u>Users</u>	<u>Avg. Bill</u>	
	Additional	2,497	\$42.51 (for 4,000 gallons)	
		0	\$42.51 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(82,270)	34,674	(116,944)	-2.4
Audited 2022	95,475	34,673	60,802	2.8
Audited 2023	52,425	159,223	(106,798)	0.3

Scoring		Rubrick		Metrics		
CITY OF CATLETTSBURG						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,971	State MHI \$60,183	Percentage 66.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.37	2022 DCR 2.75	2023 DCR 0.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.45	2022 APT 7.35	2023 APT 12.87
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 32.14	2022 ARD 62.62	2023 ARD 30.12
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND		Reviewer	Sandy Sanders	
REVOLVING LOAN / GRANT FUND		Date	November 7, 2024	
		KIA Loan Number	W25-018 KYP000034 & KY0107786	
		WRIS Number		
BORROWER	PERRY COUNTY SANITATION DISTRICT PERRY COUNTY			
BRIEF DESCRIPTION				
The Perry County Sanitation District will use the funds to pay off the USDA Rural Development loan #92-02 in the amount of \$86,500.00 and for KIA loan #A12-28 in the amount of \$1,194,039.83.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$ 1,280,539.83	Other - Debt Relief	\$ 1,280,539.83	
TOTAL	<u>\$ 1,280,539.83</u>	TOTAL	<u>\$ 1,280,539.83</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	NA		
PROJECT SCHEDULE	Bid Opening	January 15, 2025		
	Construction Start	January 15, 2025		
	Construction Stop	April 15, 2025		
DEBT PER CUSTOMER	Existing	\$2,327		
RESIDENTIAL RATES	Current	<u>Users</u> 556	<u>Avg. Bill</u> \$39.00	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Financial Statement 2020	49,936	53,669	(3,733)	0.9
Financial Statement 2021	34,042	114,008	(79,966)	0.3
Financial Statement 2022	16,606	36,610	(20,004)	0.5
Financial Statement 2023	(28,215)	35,416	(63,631)	-0.8

Scoring			Rubrick	Metrics		
PERRY COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,583	State MHI \$60,183	Percentage 70.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.93	2021 DCR 0.30	2022 DCR 0.45
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2020 APT 0.00	2021 APT 0.00	2022 APT 0.00
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 58.98	2021 ARD 87.23	2022 ARD 99.03
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Milward Dedman	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-016	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21063010	
BORROWER	CITY OF SANDY HOOK ELLIOTT COUNTY			
BRIEF DESCRIPTION Sandy Hook Sewer System I/I Remediation. This application seeks funding for completion of rehab of the existing Sandy Hook wastewater collection system. This is necessary to eliminate overflows within the collection system lines, pump stations. It should be noted Sandy Hook has a separate project, now fully funded (By ARC and the State Finance Cabinet) for "equipment replacement " at the Sandy Hook Wastewater Treatment Plant. During heavy rain events, the flows within the collection system ramp up to sometimes 4-5 times the normal dry weather flows. This taxes the capacity of the existing collection system and lift stations.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$916,000	Administrative Expenses	\$14,000	
		Planning	5,000	
		Eng - Design / Const	58,000	
		Eng - Insp	41,000	
		Eng - Other	75,000	
		Construction	657,000	
		Contingency	66,000	
TOTAL	<u>\$916,000</u>	TOTAL	<u>\$916,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	E. L. Robinson Engineering		
PROJECT SCHEDULE	Bid Opening	July 30,2025		
	Construction Start	Sep-25		
	Construction Stop	Mar-26		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	245	\$24.00 (for 4,000 gallons)	
	Additional	0	\$24.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(57,702)	0	(57,702)	n/a
Audited 2023	16,496	0	16,496	n/a

Scoring		Rubrick		Metrics		
CITY OF SANDY HOOK						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$21,846	State MHI \$60,183	Percentage 36.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA	2023 DCR NA	2024 DCR NA
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.69	2023 APT 5.95	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 43.86	2023 ARD 36.42	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-070	
REVOLVING LOAN / GRANT FUND		WRIS Number	Financial assistance,	
BORROWER	SOUTHERN WATER AND SEWER DISTRICT FLOYD COUNTY			
BRIEF DESCRIPTION Southern Water and Sewer District is seeking debt service forgiveness to reduce the repayment burden of loans from the Kentucky Infrastructure Authority (KIA), USDA and incurred past service debts (City of Pikeville current past due of \$55,751.94), Hayes Pipe (\$20,397.65), Hendrickson Enterprises LLC (\$20,377.04), CITCO Water (\$14,042.00). This financial assistance will enable the district to better allocate resources, enhance service delivery, and address urgent infrastructure needs. By easing the financial strain, Southern Water and Sewer District can focus on making necessary repairs and improvements to its water and sewer systems, ensuring safe and reliable services for all customers. This support is essential for strengthening community resilience and supporting sustainable development.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,584,241	Other	4,584,241	
TOTAL	<u>\$4,584,241</u>	TOTAL	<u>\$4,584,241</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing	\$759		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,410	\$24.40 (for 4,000 gallons)	
	Additional	0	\$24.40 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,256,257	938,326	317,931	1.3
Audited 2021	1,336,501	764,691	571,810	1.7
Audited 2022	1,079,826	805,879	273,947	1.3

Scoring			Rubrick	Metrics		
SOUTHERN WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,782	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.75	2022 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.81	2021 APT 0.00	2022 APT 4.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 126.76	2021 ARD 146.12	2022 ARD 131.33
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND	Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-070 WX21071013
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BORROWER	SOUTHERN WATER AND SEWER DISTRICT FLOYD COUNTY
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BRIEF DESCRIPTION

This Project will replace aging/deteriorated, improperly installed and inappropriate type of waterlines and customer services that are sources of continuing water loss problems due to breakage or failure, this project will help reduce the District's high percentage of water loss, for which KY PSC has cited the District. Areas to be replaced are:
 Biggs Branch 3", (10,600') Customers – 50 = \$229,000.00; Akers Branch 3", (2,200') Customers – 6 = \$41,400.00; Keathley Fork 4", (6,400') Customers – 15 = \$123,000.00; Cager Branch 3", (2,700') Customers – 10 = \$54,000.00; Left Fork of Toler 3", (15,900') Customers – 60 = \$322,000.00; Meade Branch 3", (1,100') 3", Customers – 8 = \$27,000.00; Tan Yard 3", (3,200') Customers – 20 = \$76,000.00; Tinker Fork 3", (10,600') Customers – 50 = \$229,000.00; Rolling Stone Branch 3", (1,600') Customers – 10 = \$38,000.00; Muddy Gut 4" ,(2,900') Customers – 20 = \$74,400.00; Andy Branch 3", (1,200') Customers – 12 = \$34,800.00; Smokey Branch 3", (3,500') Customers – 15 = \$73,500.00; River Road 4", (1,500') Customers - 25 = \$210,732.00.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$3,234,390	Administrative Expenses	\$47,390
		Legal Expenses	15,000
		Land, Easements	10,000
		Eng - Design / Const	191,250
		Eng - Insp	165,750
		Construction	2,550,000
		Contingency	255,000
TOTAL	\$3,234,390	TOTAL	\$3,234,390

REPAYMENT	Rate	0.00%
	Term	30 Years

PROFESSIONAL SERVICES	Engineer
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PROJECT SCHEDULE	Bid Opening
	Construction Start
	Construction Stop

DEBT PER CUSTOMER	Existing	\$759
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RESIDENTIAL RATES		Users	Avg. Bill
Current		5,410	\$43.16 (for 4,000 gallons)
Additional		0	\$43.16 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,256,257	938,326	317,931	1.3
Audited 2021	1,336,501	764,691	571,810	1.7
Audited 2022	1,079,826	805,879	273,947	1.3

Scoring			Rubrick	Metrics		
SOUTHERN WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,782	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.75	2022 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.81	2021 APT 0.00	2022 APT 4.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 126.76	2021 ARD 146.12	2022 ARD 131.33
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-070	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21071021	
BORROWER	SOUTHERN WATER AND SEWER DISTRICT FLOYD COUNTY			
BRIEF DESCRIPTION				
Southern Water & Sewer District proposes to replace the Brush Creek tank, the existing tank has had numerous leakage problems in the last 2 years. Repairs to leaks were just completed but are anticipated to only be temporary in nature. These leaks contribute to SW&SD's water loss and loss of storage in the distribution system. A static mixing system shall be installed to assist in DBP production. Project will include SCADA and installation of security system. The existing tank is 50,000 gallons to be replaced with an 80,000 gallon tank.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$843,500	Administrative Expenses	\$7,500	
		Land, Easements	15,000	
		Eng - Design / Const	60,000	
		Eng - Insp	46,000	
		Eng - Other	50,000	
		Equipment	550,000	
		Contingency	65,000	
TOTAL	<u>\$843,500</u>	TOTAL	<u>\$793,500</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing	\$759		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,410	\$43.16 (for 4,000 gallons)	
	Additional	0	\$43.16 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,256,257	938,326	317,931	1.3
Audited 2021	1,336,501	764,691	571,810	1.7
Audited 2022	1,079,826	805,879	273,947	1.3

Scoring			Rubrick	Metrics		
SOUTHERN WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,782	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.75	2022 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.81	2021 APT 0.00	2022 APT 4.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 126.76	2021 ARD 146.12	2022 ARD 131.33
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-132	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21133016	
BORROWER	LETCHER COUNTY WATER AND SEWER DISTRICT LETCHER COUNTY			
BRIEF DESCRIPTION				
<p>The proposed project will involve the installation of approximately 10,000 LF of 6-inch water main, 3,000 LF of 3-Inch water main, a 150 gpm booster pump station, a 100,000 gallon ground storage water tank, a regional interconnect with BMUD, and 100 residential meter settings. The project will provide approximately 100 residents in the HWY 510 / Gordon area with first-time access to public water. The project will also provide the the infrastructure needed to extend water service to an additional 150 residents in subsequent projects.</p> <p>LCWSD will rely on a regional interconnect with BMUD for source water. The project should reduce the local populations reliance one on wells and cisterns to support domestic activities and as a result, improve human health in by limiting public exposure to contaminated ground water.</p> <p>In addition, the project will provide critical infrastructure needed to foster economic growth in the region.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,353,000	Administrative Expenses	\$40,000	
		Legal Expenses	15,000	
		Land, Easements	30,000	
		Eng - Design / Const	289,000	
		Eng - Insp	168,000	
		Eng - Other	10,000	
		Construction	3,291,000	
		Contingency	300,000	
		Other	210,000	
TOTAL	<u>\$4,353,000</u>	TOTAL	<u>\$4,353,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Procurement In-Progress		
PROJECT SCHEDULE	Bid Opening	July 12, 2025		
	Construction Start	August 15, 2024		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$676		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,922	\$53.16 (for 4,000 gallons)	
	Additional	0	\$53.16 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	215,695	164,460	51,235	1.3
Audited 2021	144,312	164,659	(20,347)	0.9
Audited 2022	105,654	92,772	12,882	1.1

Scoring		Rubrick		Metrics		
LETCHER COUNTY WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,852	State MHI \$60,183	Percentage 66.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.31	2021 DCR 0.88	2022 DCR 1.14
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 8.97	2021 APT 9.84	2022 APT 10.56
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 45.13	2021 ARD 39.68	2022 ARD 45.31
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	0	if yes, 10 points			No
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-099 WX21165034	
BORROWER	CAVE RUN WATER COMMISSION MENIFEE COUNTY			
BRIEF DESCRIPTION The Cave Run Water Commission is undertaking a comprehensive rehabilitation and expansion of its existing 2.0 million gallons per day (MGD) Water Treatment Plant (WTP) to ensure a reliable and sustainable water supply for the communities it serves. The project will be completed in multiple phases, focusing on both immediate and long-term needs to accommodate growing water demand and regulatory requirements. Phase 1: Preliminary Planning and Design 1) Conduct a Water Allocation Study in collaboration with the U.S. Army Corps of Engineers (USACE) to determine the feasibility of increasing raw water withdrawal from Cave Run Lake. 2) Perform a Feasibility Study to evaluate the current plant's capacity and infrastructure needs. The study will identify necessary improvements, which may include: Construction of new or upgraded components for the Water Treatment Plant; Additional raw water intake structures to support increased withdrawal capacity; Upgrades to raw water transmission lines; Construction of new water storage tanks to enhance storage capacity; and Extension of finished water transmission lines from the WTP to new or existing storage facilities. 3) Develop detailed engineering designs and obtain necessary permits and regulatory approvals to advance to the construction phase. Phase 2: Design and Engineering Based on the outcomes of Phase 1, finalize detailed engineering plans and specifications for all infrastructure components. Secure all required environmental and regulatory clearances to proceed with construction. Phase 3: Construction and Commissioning Implement the construction and upgrade activities as outlined in the design phase, ensuring minimal disruption to current water services. Test and commission the expanded WTP and associated infrastructure to confirm compliance with capacity, water quality, and regulatory standards. This project is requesting \$1,000,000 from WWATERS for preliminary planning and design.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,000,000	Legal Expenses	50,000	
		Land, Easements	385,000	
		Planning	15,000	
		Eng - Other	350,000	
		Contingency	100,000	
		Other	100,000	
TOTAL	\$1,000,000	TOTAL	\$1,000,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	February 1, 2027		
	Construction Start	March 1, 2027		
	Construction Stop	December 31, 2028		
DEBT PER CUSTOMER	Existing	\$1,296,728		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3	\$11.60 (for 4,000 gallons)	
	Additional	0	\$11.60 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	420,448	191,623	228,825	2.2
Audited 2021	315,372	207,957	107,415	1.5
Audited 2022	200,036	207,737	(7,701)	1.0

Scoring			Rubrick	Metrics		
CAVE RUN WATER COMMISSION						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$46,939	State MHI \$60,183	Percentage 78.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 2.19	2021 DCR 1.52	2022 DCR 0.96
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.97	2021 APT 7.10	2022 APT 3.70
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 42.62	2021 ARD 37.26	2022 ARD 40.55
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	10	if yes, 10 points			Yes
12	Regionalization, consolidation, or partnerships	10	if yes, 10 points			Yes

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	WD-052	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21139023	
BORROWER	CITY OF SMITHLAND LIVINGSTON COUNTY			
BRIEF DESCRIPTION				
<p>This project will construct a new 0.3 MGD Wastewater Treatment Plant (WWTP) to serve the City of Smithland and surrounding area. The project will include planning, design, funding assistance, construction services, and resident project representation. The proposed plant will be of a modular "package" plant design with full redundancy and peak flow pumping capability.</p> <p>The project will include influent screening, aeration, clarification, PAA disinfection, sludge return, and effluent pumping.</p> <p>This project is needed in order to comply with an Agreed Order that has frequently been violated. This Agreed Order has manifested into a Consent Judgement and must be addressed. The project will address chronic maintenance and operation issues, unreported and unpermitted bypasses, significant and ongoing effluent limit exceedances, failure to follow correct sampling and testing procedures, numerous failures to monitor and report, and failing to secure access to the WWTP. This project will also take existing facultative lagoon treatment pond out of service which is the ultimate desire of the Division of Water and Division of Enforcement.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,600,000	Planning	20,000	
		Eng - Design / Const	330,000	
		Eng - Insp	220,000	
		Eng - Other	30,000	
		Construction	5,000,000	
TOTAL	\$5,600,000	TOTAL	\$5,600,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening	September 30, 2025		
	Construction Start	October 15, 2025		
	Construction Stop	November 30, 2027		
DEBT PER CUSTOMER	Existing	\$351		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	180	\$54.71 (for 4,000 gallons)	
	Additional	0	\$54.71 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
INT P&L 2022	27,796	3,872	23,925	7.2
INT P&L 2023	(5,201)	3,877	(9,078)	-1.3
INT P&L 2024	(26,703)	3,877	(30,580)	-6.9

Scoring		Rubrick		Metrics		
CITY OF SMITHLAND						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$63,829	State MHI \$60,183	Percentage 106.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2022 DCR 7.18	2023 DCR -1.34	2024 DCR -6.89
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-100	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21165017	
BORROWER	CITY OF FRENCHBUG MENIFEE COUNTY			
BRIEF DESCRIPTION				
<p>The proposed project to extend the City of Frenchburg Water System involves installing approximately 5,000 linear feet (LF) of 3-inch PVC water main. The extension will run down HWY 1274, along Ridge Road, and Ridge Runner Road, crossing under HWY 1274 to reach Mountain Ridge and Ridge Runner Road. This project aims to provide potable drinking water to approximately 13 new customer service connections, which currently do not have access to a potable water source.</p> <p>The project will increase the serviceable households of the City of Frenchburg by approximately 2%, expanding the system's coverage to more areas within Menifee and Bath Counties. Additionally, the project includes installing four blow-off hydrants along Mountain Ridge Road and Ridge Runner Road to ensure adequate water quality and maintenance capabilities.</p> <p>Overall, this extension project will enhance the City of Frenchburg's water distribution network, providing critical infrastructure improvements to serve the needs of new customers.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$452,400	Administrative Expenses	\$9,400	
		Eng - Design / Const	38,000	
		Eng - Insp	29,000	
		Construction	341,000	
		Contingency	35,000	
TOTAL	<u>\$452,400</u>	TOTAL	<u>\$452,400</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC		
PROJECT SCHEDULE	Bid Opening	June 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$403		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,004	\$32.83 (for 4,000 gallons)	
	Additional	0	\$32.83 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Unaudited FS 2020	255,326	107,022	148,304	2.4
Audited 2021	35,955	102,974	(67,019)	0.3
Unaudited FS 2022	181,270	101,907	79,364	1.8

Scoring		Rubrick		Metrics		
CITY OF FRENCHBUG						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$43,567	State MHI \$60,183	Percentage 72.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 2.39	2021 DCR 0.35	2022 DCR 1.78
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT N/A	2021 APT 17.21	2022 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD N/A	2021 ARD 47.69	2022 ARD N/A
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-002 WX21137065	
BORROWER	MCKINNEY WATER DISTRICT LINCOLN COUNTY			
BRIEF DESCRIPTION				
<p>The McKinney Water District is undertaking a project to develop, correct and improve the existing water system. The District is and has been experiencing a recurring water loss problem for many years. The existing system is aging and much of the system has been built by others in a manner that does not lend itself to longevity. The District will develop a project to include the following:</p> <ol style="list-style-type: none"> 1) Upgrade the existing customer meters in the system to an automated reading system. 2) Develop and install a master check meter system to identify areas with water leak trouble to help eliminate leaks both now and continuing into the future. 3) Develop and implement a plan to repair known trouble areas for both water mains and service lines that shows to be constantly leak prone. 4) Replace inoperable main valves, service lines, and meter setters in areas of high water loss. <p>The McKinney Water District is and has been suffering with a high water loss for many years. The water loss is near of above the 30% level on a recurring and continuing bases. The PSC has issued a notice to the District to get the water loss down to below 15%. The area served by the District is a very low income area of Lincoln County with low to moderate income level of near 65%. The District has difficulty raising enough funds to implement a project to improve and repair the existing system from rates.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,207,048	Administrative Expenses	\$50,000	
ARC	500,000	Legal Expenses	20,000	
Surcharge	285,000	Eng - Design / Const	105,000	
		Eng - Insp	45,000	
		Construction	1,100,000	
		Equipment	30,000	
		Contingency	110,000	
		Other	532,048	
TOTAL	<u>\$1,992,048</u>	TOTAL	<u>\$1,992,048</u>	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	AGE Engineering Services		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	September 1, 2025 January 1, 2026 August 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,703		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current Additional	<u>Users</u> 1,912 0	<u>Avg. Bill</u> \$44.88 (for 4,000 gallons) \$44.88 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	21,838	120,672	(98,834)	0.2
Audited 2022	74,590	27,852	46,738	2.7
Audited 2023	94,820	66,116	28,704	1.4

Scoring		Rubrick		Metrics		
MCKINNEY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,284	State MHI \$60,183	Percentage 81.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.18	2022 DCR 2.68	2023 DCR 1.43
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 11.64	2022 APT 11.37	2023 APT 12.41
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 26.88	2022 ARD 27.80	2023 ARD 32.24
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		50				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-064	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21017014	
BORROWER	CITY OF PARIS BOURBON COUNTY			
BRIEF DESCRIPTION				
<p>This project will replace aging infrastructure including faulty valves and a 1200 LF section of cast iron water line that has reached the end of its useful life and is experiencing frequent breaks and failures. The replacement line will be 6" DIP. This project will also replace approximately 25 to 35 water valves of various sizes chosen strategically throughout the city's system to allow for improved operation and ability to isolate sections of line in case of maintenance or emergency. Lastly, the project will include the development of a hydraulic model to help the City of Paris better understand, analyze, and optimize system performance.</p> <p>Replace aging and inoperable water infrastructure in order to better serve the public in the City of Paris. The line to be replaced has required repair at least once per year over the past 8 years, with one failure resulting in water loss of approximately 3.6 million gallons. Due to inoperable valves, the City is currently unable to utilize one of their water storage tanks, which eliminates redundancy in their system and places the community at a higher level of risk. Completion of the hydraulic model will allow the City to intelligently plan for capital improvements and more accurately evaluate new development and opportunities for economic growth.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,375,000	Administrative Expenses	\$25,000	
		Legal Expenses	5,000	
		Relocation Expense & Payments	30,000	
		Planning	80,000	
		Eng - Design / Const	83,000	
		Construction	1,050,000	
		Contingency	102,000	
TOTAL	<u>\$1,375,000</u>	TOTAL	<u>\$1,375,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers		
PROJECT SCHEDULE	Bid Opening	November 21, 2025		
	Construction Start	February 1, 2026		
	Construction Stop	August 1, 2026		
DEBT PER CUSTOMER	Existing	\$784		
RESIDENTIAL RATES	Current	<u>Users</u> 5,244	<u>Avg. Bill</u> N/A (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	346,039	388,766	(42,727)	0.9
Audited 2022	458,705	208,656	250,049	2.2
Audited 2023	1,233,084	212,063	1,021,021	5.8

Scoring		Rubrick		Metrics		
CITY OF PARIS						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,231	State MHI \$60,183	Percentage 83.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.89	2022 DCR 2.20	2023 DCR 5.81
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.29	2022 APT 2.23	2023 APT 1.70
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 105.45	2022 ARD 85.72	2023 ARD 56.77
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		50				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-134 WX21133038	
BORROWER	CITY OF FLEMING-NEON LETCHER COUNTY			
BRIEF DESCRIPTION				
<p>In order to combat high water loss due to aging water lines, the City of Fleming Neon is planning to replace and modernize their water system. When the original system was created, GIS mapping was not available and data and information as to locations, line size and material have been lost over the years, making it almost impossible to detect or prevent breaks.</p> <p>Phase 3 will include 14,500 LF of 6" PVC waterline, 12,000 LF of 3" PVC waterline, 6 each of the 6" D.I.M.J. gate valve and box, 6 each of the 3" D.I.M.J. gate valve and box, 6 each flushing hydrant assembly, type 1 and 10 each flushing hydrant assembly, type 3. It also includes 240 each of the 5/8" X 3/4" tandem setter tub w/ IPRV, 240 sensus meters with radio read, 12,000 LF of 3/4" PE service line, 3 air relief valves, 2 of the 8" directional drills, 1 of the 6" directional drills, 2 creek crossing leak detection assembly, 150 LF of HWY X-ing Bore and Jack 12.75" STL casing w. carrier pipe, 1 master meter & Vault and 8 waterline markers.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,592,000	Administrative Expenses	\$50,000	
		Legal Expenses	5,000	
		Planning	5,000	
		Eng - Design / Const	227,000	
		Eng - Insp	125,000	
		Eng - Other	10,000	
		Construction	2,882,620	
		Contingency	287,380	
TOTAL	<u>\$3,592,000</u>	TOTAL	<u>\$3,592,000</u>	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 20, 2025 September 1, 2025 March 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,223		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 993 0	<u>Avg. Bill</u> \$50.78 (for 4,000 gallons) \$50.78 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	117,490	115,656	1,834	1.0
Audited 2021	45,729	390,483	(344,754)	0.1

Scoring		Rubrick		Metrics		
CITY OF FLEMING-NEON						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,510	State MHI \$60,183	Percentage 88.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.02	2021 DCR 0.12	2023 DCR 0.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 4.72	2021 APT 2.42	2023 APT 15.70
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 38.96	2021 ARD 39.30	2023 ARD 32.14
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		50				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-152	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21095025	
BORROWER	CAWOOD WATER DISTRICT HARLAN COUNTY			
BRIEF DESCRIPTION				
<p>The Cawood Water District's water treatment plant (wtp) was originally constructed in 1991 (33 years ago) with an additional treatment train added in 1997 (27 years ago). Many of the components of the wtp are still original, are beginning to breakdown and are no longer being manufactured. Plus the metal treatment basins are in dire need of refurbishing with failing coatings and pitting of the underlying metal. In short it is time for a complete refurbishing of the wtp.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,823,000	Administrative Expenses	\$30,000	
		Legal Expenses	5,000	
		Eng - Design / Const	120,000	
		Eng - Insp	74,000	
		Eng - Other	10,000	
		Construction	1,440,000	
		Contingency	144,000	
TOTAL	<u>\$1,823,000</u>	TOTAL	<u>\$1,823,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	June 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,050		
RESIDENTIAL RATES	Current	<u>Users</u> 1,846	<u>Avg. Bill</u> \$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	38,886	119,240	(80,354)	0.3
Audited 2020	67,566	119,782	(52,216)	0.6
Audited 2021	333,723	217,182	116,541	1.5
Audited 2022	212,475	112,922	99,553	1.9
Compilation Statement 2023	121,795	113,330	8,465	1.1

Scoring		Rubrick		Metrics		
CAWOOD WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$31,825	State MHI \$60,183	Percentage 52.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.33	2020 DCR 0.56	2021 DCR 1.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 0.00	2020 APT 0.00	2021 APT 12.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 49.22	2020 ARD 63.34	2021 ARD 46.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-092	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21025017	
BORROWER	CITY OF JACKSON BREATHITT COUNTY			
BRIEF DESCRIPTION				
<p>The City proposes to construct a new wastewater treatment plant (WWTP) in a different location with modern equipment and a more efficient process. Looking to build a 1 million gallon per day plant. Funding will be used to construct a new WWTP, with a lift station, a force main, gravity collection system and a backup generator. Also, the engineering company will decommission the existing plant once the new one is constructed. Other related costs will budget for administration fees, legal fees, land, appraisals, easements, and environmental/Geological reports. Engineering costs will consist of a Preliminary Engineering Report, facilities plan update, design, contract administration, resident observation, permitting, and study assistance (Geotechnical, Environmental, etc.).</p> <p>Since 2003, the county has experienced 20 FEMA declared disasters. Breathitt County recorded experiences of flooding and severe storms, with flooding being a major burden on the county. Due to its location, the Jackson WWTP experienced flooding during the last two floods when flood levels reached major levels of over 39 ft in 2021, and a record level of over 43 ft in 2022; presidentially declared disasters 4595 & 4663. The facility & equipment suffered damage in the past two floods that recorded over \$61,000. The City of Jackson initiated the idea to move the WWTP to prevent further damage and upgrade mitigation measures for future disasters. In addition, the project will obtain a backup generator that will assist the plant to be more resilient in a disaster. Without electricity, sewage will go to the holding tank awaiting processing. If the plant becomes full, the City will have no alternative but to shut of services. This is a severe problem regarding shutting services off to hospitals, schools, nursing homes, etc. to our vulnerable population. The project will update its infrastructure and equipment which will effectively reduce the risk of KPDES permit violations that affect the health of the community. Relocating the plant out of the floodplain will reduce the risk of future damage due to flooding events. It will also build resiliency by protecting critical infrastructure. The project will also provide a backup generator that will allow the plant to process waste instead of risking the overflow of the storage tank resulting in the City shutting off sewer services during a longer power outage. This will increase land value for those residents and prevent sewer odor from hindering future economic development. It will also provide the much needed capacity to add on 119 housing developments for flood survivors.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$10,900,000	Administrative Expenses	\$150,000	
Funding Source 2	13,000,000	Legal Expenses	15,000	
		Land, Easements	1,185,000	
		Relocation Expense & Payments	202,000	
		Eng - Design / Const	1,459,000	
		Eng - Insp	815,000	
		Eng - Other	428,000	
		Construction	17,816,000	
		Contingency	1,830,000	
TOTAL	\$23,900,000	TOTAL	\$23,900,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening	July 30, 2025		
	Construction Start	September 30, 2025		
	Construction Stop	April 30, 2026		
DEBT PER CUSTOMER	Existing	\$4,611		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,009	\$53.38 (for 4,000 gallons)	
	Additional	119	\$53.38 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	595,415	646,450	(51,035)	0.9
Audited 2022	377,919	593,456	(215,537)	0.6
Audited 2023	393,334	460,238	(66,904)	0.9

Scoring		Rubrick		Metrics		
CITY OF JACKSON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,238	State MHI \$60,183	Percentage 55.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.92	2022 DCR 0.64	2023 DCR 0.85
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.72	2022 APT 7.78	2023 APT 10.46
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 47.46	2022 ARD 46.39	2023 ARD 45.56
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-121 WX21075019	
BORROWER	CITY OF FULTON FULTON COUNTY			
BRIEF DESCRIPTION				
<p>Over the last two years, the City of Fulton has proactively been taking steps to address utility problems and to identify the needs to have resilient infrastructure for the community. In 2024, the City was awarded a Delta Regional Authority (DRA) Strategic Planning Grant to develop a Comprehensive Water Management Plan and to perform a Utility Rate Study and Water Modeling Study to identify the needs of the utility systems. This study will be completed in the summer of 2025. Prior to this study, the City contracted Reveal Underground Services to conduct a leak detection study of the water system. This resulted in identifying numerous significant leaks at meter locations and within the water lines. The city water loss data indicates the percentage of loss rising each year since 2021 and currently is over 41%. This loss is costing the City approximately \$153,247.41 annually.</p> <p>This project is divided into two phases due to the overall cost for each area. See attached map. Phase one (1) of this project will replace approximately 1,300 feet of 1-inch galvanized pipe, 5,250 feet of 4-inch, and 19,285 feet of 6-inch Cast iron pipe. The total number of customers served with the replacement of water meter settings within this corridor of the project scope is 307.</p> <p>The City of Fulton has 1700 customers district wide that are dependent on the municipal water system. Fulton is classified as an economic and historically disadvantaged community without the funds to repair and replace the current system. It also has a Median Household Income as identified in Census Data of 2022 of \$33,090. This falls 45% below the State Median Income of \$59,341. Many of the water and service lines in the project area consist of lead pipes exposing these families to the dangers of lead-based hazards. This project will help bring the city into compliance with U.S. Environmental Protection Agency (EPA) ruling (40 CFR § 141.84) by replacing lead service lines located as part of this project. This project will also resolve the City's extensive water loss, improve quality of life for end-users, provide improved fire protection with placement of new fire hydrants, increase reliability of service, and improve overall water quality.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,469,682	Administrative Expenses	\$1,000	
		Eng - Design / Const	222,902	
		Eng - Insp	123,492	
		Eng - Other	35,000	
		Construction	3,087,288	
TOTAL	\$3,469,682	TOTAL	\$3,469,682	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	May 25, 2025		
	Construction Start	June 1, 2025		
	Construction Stop	June 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,579		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,693	\$35.09 (for 4,000 gallons)	
	Additional	0	\$35.09 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	522,475	390,299	132,176	1.3
Audited 2021	698,397	422,726	275,671	1.7
Audited 2022	508,562	381,334	127,228	1.3

Scoring		Rubrick		Metrics		
CITY OF FULTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,446	State MHI \$60,183	Percentage 58.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.65	2022 DCR 1.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.44	2021 APT 2.86	2022 APT 7.61
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 36.70	2021 ARD 33.40	2022 ARD 33.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-122 WX21075021	
BORROWER	CITY OF FULTON FULTON COUNTY			
BRIEF DESCRIPTION				
<p>Over the last two years, the City of Fulton has proactively been taking steps to address utility problems and to identify the needs to have resilient infrastructure for the community. In 2024, the City was awarded a Delta Regional Authority (DRA) Strategic Planning Grant to develop a Comprehensive Water Management Plan and to perform a Utility Rate Study and Water Modeling Study to identify the needs of the utility systems. This study will be completed in the summer of 2025. Prior to this study, the City contracted Reveal Underground Services to conduct a leak detection study of the water system. This resulted in identifying numerous significant leaks at meter locations and within the water lines. The city water loss data indicates the percentage of loss rising each year since 2021 and currently is over 41%. This loss is costing the City approximately \$153,247.41 annually.</p> <p>This project is divided into two phases due to the overall cost for each area. See attached map. Phase two (2 of this project will replace approximately 610 feet of 1-inch galvanized pipe, 5,642 feet of 4-inch and 12,970 feet of 6-inch Cast Iron pipe. The total number of customers served that will have water meter settings replaced within this corridor of the project scope is 191.</p> <p>The City of Fulton has 1700 customers district wide that are dependent on the municipal water system. Fulton is classified as an economic and historically disadvantaged community without the funds to repair and replace the current system. It also has a Median Household Income as identified in Census Data of 2022 of \$33,090. This falls 45% below the State Median Income of \$59,341. Many of the water and service lines in the project area consist of lead pipes exposing these families to the dangers of lead-based hazards. This project will help bring the city into compliance with U.S. Environmental Protection Agency (EPA) ruling (40 CFR § 141.84) by replacing lead service lines located as part of this project. This project will also resolve the City's extensive water loss, improve quality of life for end-users, provide improved fire protection with placement of new fire hydrants, increase reliability of service, and improve overall water quality.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,751,038	Administrative Expenses	\$1,000	
		Eng - Design / Const	185,034	
		Eng - Insp	111,262	
		Eng - Other	35,000	
		Construction	2,418,742	
TOTAL	\$2,751,038	TOTAL	\$2,751,038	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	May 25, 2025		
	Construction Start	June 1, 2025		
	Construction Stop	June 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,579		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,693	\$35.09 (for 4,000 gallons)	
	Additional	0	\$35.09 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	522,475	390,299	132,176	1.3
Audited 2021	698,397	422,726	275,671	1.7
Audited 2022	508,562	381,334	127,228	1.3

Scoring		Rubrick		Metrics		
CITY OF FULTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,446	State MHI \$60,183	Percentage 58.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.65	2022 DCR 1.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.44	2021 APT 2.86	2022 APT 7.61
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 36.70	2021 ARD 33.40	2022 ARD 33.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-078	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21159017	
BORROWER	MARTIN COUNTY WATER DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
1) Replacement of Treatment Unit No. 2's Sludge Collector Drive, 2) An additional 20-Foot Section of the 10-inch DR 11 HDPE 4710 Pipe and an additional 20-Foot Section of 12" DR11 HDPE Pipe, 3) Paving of the Access Road at the Raw Water Intake Site, 4) Replacement of Carbon Steel Tube Settler Supports with 304/304L Stainless Steel Supports, 5) 60-Foot and 20-Foot Sections of 10-inch DR11 HDPE 4710 Flanged Pipe, 6) A second Pump Trailer, 7) Various Unit Price items, 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,563,852	Administrative Expenses	\$72,000	
		Legal Expenses	5,000	
		Planning	5,000	
		Eng - Design / Const	75,429	
		Eng - Insp	131,763	
		Construction	1,922,148	
		Contingency	352,512	
TOTAL	<u>\$2,563,852</u>	TOTAL	<u>\$2,563,852</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 15, 2022		
	Construction Start	October 15, 2022		
	Construction Stop	October 15, 2023		
DEBT PER CUSTOMER	Existing	\$2,776		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring		Rubrick		Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	0	if yes, 10 points			No
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-079	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21159023	
BORROWER	MARTIN COUNTY WATER DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
<p>In an effort to upgrade the system, improve service to its customers and reduce the water loss of the system, the District intends to undertake the Coldwater Improvement Project. The project will replace approximately 39,600 linear feet of existing 3-inch through 12-inch waterline with C-900 waterline. As part of the process, new service line will be installed and a new water meter will be set for approximately 240 customers. This will also aid the District in replacing its aged water meters in its system. The project received a \$5,000,000 Congressional Earmark to assist with this project.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,410,000	Administrative Expenses	\$50,000	
Congressional Earmark	5,000,000	Legal Expenses	30,000	
		Land, Easements	25,000	
		Planning	119,500	
		Eng - Design / Const	362,000	
		Eng - Insp	201,500	
		Eng - Other	86,000	
		Construction	6,036,000	
		Contingency	1,500,000	
TOTAL	<u>\$8,410,000</u>	TOTAL	<u>\$8,410,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,776		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	0	if yes, 10 points			No
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-080	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21159024	
BORROWER	MARTIN COUNTY WATER DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
In an effort to upgrade the system, improve service to its customers and reduce water loss, the District intends to undertake the Old Route 3- Water Improvement Project. The project will install approximately 24,500 linear feet of 3-ince through 6-inch waterline, 52 mainline water valves, 1 hydropneumatic booster pumping station, 1 master meter for use in detecting and replace 110 meter settings and the associated service line in the Old Route 3 area of Martin County.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,066,000	Administrative Expenses	\$50,000	
		Land, Easements	20,000	
		Planning	107,000	
		Eng - Design / Const	227,000	
		Eng - Insp	137,000	
		Eng - Other	71,000	
		Construction	3,563,000	
		Contingency	891,000	
TOTAL	<u>\$5,066,000</u>	TOTAL	<u>\$5,066,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,776		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	0	if yes, 10 points			No
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-077	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21159027	
BORROWER	MARTIN COUNTY WATER DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Land, Easements	10,000	
		Planning	75,000	
		Eng - Design / Const	249,000	
		Eng - Insp	148,000	
		Eng - Other	28,000	
		Construction	3,985,000	
		Contingency	445,000	
TOTAL	<u>\$5,000,000</u>	TOTAL	<u>\$5,000,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	May 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	May 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,813		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,267	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	0	if yes, 10 points			No
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-090	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21193020	
BORROWER	TROUBLESOME CREEK ENVIRONMENTAL AUTHORITY PERRY COUNTY			
BRIEF DESCRIPTION				
<p>This project will continue the collection system along Highway 80 in Knott and Perry Counties. The project will serve five subdivisions and one road. The subdivisions to be served will be Elk Run (34 households), Pine Valley (45 households), Pine Point (9 households), Memory Mountain (14 households) and Phoenix Place (50 households including town homes). Baker Fork has 7 households. In total there are 159 households for the project that will be serviced with residential grinders. The project will include 6,000 LF of 6" HDPE Force Main, 3,800 LF of 4" HDPE Force Main, 8,400 LF of 3" HDPE of Force Main, 10,900 LF of 2 1/2" HDPE Force Main and 11,000 LF of 1 1/4" HDPE Force Main for Service Line. There will be one lift station (150 GPM) with SCADA/telemetry and odor control. This project will also eliminate the package plant operated by Phoenix Town Homes.</p> <p>This project will provide collection service to the new Robinson Elementary School, the previous school having been completely destroyed in the floods of 2022. This project will also supply collection services to the housing developments on HWY 80, which will allow 2022 flood survivors to relocate.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$500,000	Administrative Expenses	\$125,000	
ARC	3,764,000	Legal Expenses	15,000	
Grant	100,380	Planning	5,000	
USACOE	467,000	Eng - Design / Const	289,900	
		Eng - Insp	155,400	
		Eng - Other	39,500	
		Construction	4,001,500	
		Contingency	200,080	
TOTAL	\$4,831,380	TOTAL	\$4,831,380	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	R. M. Johnson Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	February 1, 2025		
	Construction Start	March 1, 2025		
	Construction Stop	March 1, 2027		
DEBT PER CUSTOMER	Existing	\$2,984		
RESIDENTIAL RATES	Current	<u>Users</u> 173	<u>Avg. Bill</u> \$22.56 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	857,848	72,324	785,524	11.9
Audited 2022	(288,518)	68,643	(357,161)	-4.2
Audited 2023	(510,019)	479,289	(989,308)	-1.1

Scoring		Rubrick		Metrics		
TROUBLESOME CREEK ENVIRONMENTAL AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$37,444	State MHI \$60,183	Percentage 62.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 11.86	2022 DCR -4.20	2023 DCR -1.06
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 38.75	2022 APT 4.35	2023 APT 11.90
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 42.47	2022 ARD 49.49	2023 ARD 60.76
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		47				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-133 WX21095018	
BORROWER	CITY OF BENHAM HARLAN COUNTY			
BRIEF DESCRIPTION				
<p>This project includes funding for four (4) City of Benham audits (Fiscal Years: 2020, 2022, 2023, 2024). Fiscal Year 2024 is included as the anticipated funding period would be nearing the natural end of the 2024 fiscal year.</p> <p>This project also includes an in-kind, in-place replacement of the 48-year-old control cable that powers the raw water intake pump which delivers water to Benham's water treatment plant. This replacement includes:</p> <ul style="list-style-type: none"> - approximately 5,500 feet of trench work - approximately 5,500 feet of 10 AWG 7/C Type TC THHN Sunlight Resistant 600 Volt AIW-K Direct Burial Cable - #8 gravel around the cable in the trench 				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,250,000	Planning	25,000	
		Eng - Design / Const	90,000	
		Eng - Insp	58,000	
		Construction	938,500	
		Contingency	138,500	
TOTAL	<u>\$1,250,000</u>	TOTAL	<u>\$1,250,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	n/a		
PROJECT SCHEDULE	Bid Opening	July 3, 2025		
	Construction Start	August 15, 2025		
	Construction Stop	August 30, 2025		
DEBT PER CUSTOMER	Existing	\$942		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	313	\$52.56 (for 4,000 gallons)	
	Additional	0	\$52.56 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	0	0	0	n/a
Audited 2021	231,631	33,031	198,600	7.0
Int. P & L 2022	238,679	38,031	200,648	6.3

Scoring		Rubrick		Metrics		
CITY OF BENHAM						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,186	State MHI \$60,183	Percentage 78.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR #DIV/0!	2021 DCR 7.01	2022 DCR 6.28
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT N/A	2021 APT N/A	2022 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD N/A	2021 ARD 46.57	2022 ARD N/A
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Williams November 7, 2024 W25-040 WX21153040	
BORROWER	SALYERSVILLE WATER WORKS MAGOFFIN COUNTY			
BRIEF DESCRIPTION				
1) WX21153040 Salyersville Meters Replacement Project Description: This project will purchase and install approximately 1000 radio-read water meters throughout the water system. Readings collected by radio-read meters will be processed through a central database to facilitate better utility management and accuracy. This project will provide Salyersville Water Works with the ability to more efficiently receive monthly water usage totals and to detect and reduce water loss in the system. This will allow Salyersville Water Works to reduce overall costs, increasing operating efficiency and enhancing customer service. Need: Approximately 55% of meters currently in use are not reading accurately and therefore water loss and revenue loss cannot be tracked. The water plant is operating at capacity so reducing loss is critical. The project also improves the City's billing system to near real-time consumption. The new radio meters will reduce the expense of periodic trips to each physical location to read meters. This project will provide Salyersville Water Works with the ability to more efficiently receive monthly water usage totals and to detect and reduce water loss in the system. Estimated Project Cost: \$700,000				
2) Non - Capital funding assistance: Rate Study funding Salyersville badly needs for a rate study to be conducted. KRWA has provided a quote for this service. The rates for both residential and wholesale need to be adjusted. Proposed cost: \$10,550 Please see attachment: Salyersville Rate Study Proposal.				
3) Non - Capital funding assistance: Debt service The City of Salyersville and Salyersville Water Works are seeking debt service forgiveness to ease the repayment burden of Kentucky Infrastructure Authority (KIA) and USDA loans. Assistance with debt repayment will provide the city with greater flexibility to enhance service delivery and address critical infrastructure needs. By reducing the financial strain, Salyersville can focus on making necessary repairs and improvements to the water system, ensuring reliable access to clean water for all residents. This support is essential for maintaining community resilience and supporting long-term growth. The exact amount of this funding request is difficult to pin down as the system is behind payments on all debts. The estimated amount is for the 7 largest debts. Estimated amount (Top 7 debts) = \$1,211,706.73 Please see attachment: Debts SWW 7312024				
Estimated Total of above items: \$700,000 (Meters) + \$10,550 (Rate Study) + \$1,211,706.73 (Debt Service) = \$1,922,256.73.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,922,257	Administrative Expenses (Part 1)	\$25,000	
		Planning Study (Part 2)	10,550	
		Equipment (Part 1)	650,000	
		Non Capital: Repayment of Existing Debt (Part 3)	1,211,707	
		Other (Part 1)	25,000	
TOTAL	\$1,922,257	TOTAL	\$1,922,257	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Not Required		
PROJECT SCHEDULE	Bid Opening	April 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	April 1, 2026		
DEBT PER CUSTOMER	Existing	\$7,280		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	891	\$35.65 (for 4,000 gallons)	
	Additional	0	\$35.65 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	589,953	314,203	275,750	1.9
Audited 2020	311,850	297,038	14,812	1.0
Audited 2021	379,404	244,000	135,404	1.6

Scoring	Rubrick	Metrics
SALYERSVILLE WATER WORKS		

1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI	State MHI	Percentage
				\$30,024	\$60,183	49.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR	2020 DCR	2021 DCR
				1.88	1.05	1.55
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT	2020 APT	2021 APT
				1.07	1.99	1.60
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD	2020 ARD	2021 ARD
				22.63	21.82	37.94
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-066	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21043047	
BORROWER	CITY OF OLIVE HILL CARTER COUNTY			
BRIEF DESCRIPTION				
<p>The City of Olive Hill faces a triple threat of increasing maintenance costs, lack of excess wastewater capacity, and frequent flooding. This is first and foremost a compliance project with additional components to improve the long-term outlook of the system and the area. This project will simultaneously reduce inflow and infiltration through a planned I&I study, subsequent repairs, and increased / restored treatment capacity through rehabilitation and/or upgrade of plant components. The acquisition of equipment to more effectively maintain the system is critical for reducing long-term maintenance costs. These repairs and upgrades will solve compliance issues. The remaining funds will be used towards a 10,000 LF force main line will be extended eastwards to decommission the Counts Crossroads Vocational School package treatment plant and connect roughly 200 new customers.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$550,000	Administrative Expenses	\$10,000	
		Planning	10,000	
		Eng - Design / Const	30,000	
		Construction	400,000	
		Other	100,000	
TOTAL	<u>\$550,000</u>	TOTAL	<u>\$550,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering		
PROJECT SCHEDULE	Bid Opening	June 15, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	April 1, 2026		
DEBT PER CUSTOMER	Existing	\$12,996		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	906	\$30.00 (for 4,000 gallons)	
	Additional	210	\$30.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Int. P & L 2021	0	0	0	n/a
Int. P & L 2022	(647,346)	560,291	(1,207,637)	-1.2
Int. P & L 2023	(1,738)	568,265	(570,003)	0.0

Scoring		Rubrick		Metrics		
CITY OF OLIVE HILL						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$54,891	State MHI \$60,183	Percentage 91.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR -1.16	2023 DCR 0.00
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.11	2022 APT 7.15	2023 APT 4.08
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD #DIV/0!	2022 ARD 37.67	2023 ARD 35.01
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-063 WX21051002	
BORROWER	CITY OF MANCHESTER CLAY COUNTY			
BRIEF DESCRIPTION				
This project includes replacing 27,000 feet of 6-inch asbestos cement water line with 6-inch PVC water line. This portion of the Manchester Distribution system continually has line breaks and creates water loss and pressure issues throughout the system. The replacement of this line will significantly increase the availability of water throughout the system, especially serving the Hospital. The new PVC water line will also have a higher pressure class which will allow the City to increase pressure in this area.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,654,000	Administrative Expenses	\$45,000	
		Eng - Design / Const	110,000	
		Eng - Insp	69,000	
		Construction	1,300,000	
		Contingency	130,000	
TOTAL	<u>\$1,654,000</u>	TOTAL	<u>\$1,654,000</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 21, 2025 September 1, 2025 March 30, 2026		
DEBT PER CUSTOMER	Existing	\$840		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 4,310 0	<u>Avg. Bill</u> \$23.30 (for 4,000 gallons) \$23.30 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,692,072	429,263	1,262,809	3.9
Audited 2021	1,151,104	397,938	753,166	2.9
Audited 2022	1,326,769	389,169	937,600	3.4

Scoring		Rubrick		Metrics		
CITY OF MANCHESTER						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,537	State MHI \$60,183	Percentage 59.1%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 3.94	2021 DCR 2.89	2022 DCR 3.41
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 21.75	2021 APT 8.66	2022 APT 23.35
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 52.99	2021 ARD 58.24	2022 ARD 63.66
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		45				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-065 WX21115031	
BORROWER	MAGOFFIN COUNTY WATER DISTRICT MAGOFFIN COUNTY			
BRIEF DESCRIPTION				
<p>Paintsville Utilities (PU) currently supplies water to it's distribution system through a 24" finished water transmission main from the WTP that feeds into the south and west side of town along US 460 and KY 40. Pressures along the 24" transmission main are in general much higher than many areas of Paintsville's distribution system. As a result, the use of pressure-reducing valve stations at connection points to the 24" transmission main has become common in the PU distribution system.</p> <p>The US 460 booster pump station (BPS) is an existing BPS that pumps to the US 460 storage tank located along US 460 toward the Magoffin County line. Currently, this BPS runs almost continuously to maintain system demand and fill the US 460 tank. The BPS can no longer adequately fill the US 460 tank and also causes low suction pressure along the existing 6-Inch line supplying the BPS. This project will include a "tie-in" to the existing 24" transmission main near the intersection of Arrowhead Estates Road and US 460 complete with a pressure reducing valve (PRV) station. Also, approximately 6,200 LF of new 8" line will be installed from the "tie-in" point to the existing US 460 BPS. This waterline will include a bore beneath US 460 and necessary appurtenances. Additionally, another approximately 23,800 LF of waterline will be replaced with 8" line from the existing US 460 BPS to the existing US 460 storage tank. Finally, a new tank control valve vault will be installed at the US 460 storage tank.</p> <p>Project benefits are as follows: *Increase available volume and suction pressure to US 460 BPS *Help Correct supply and pressure issues for customers upstream of the US 460 BPS Provide a permanent *Provide a permanent supply connection of 150 gpm to Magoffin County along US 460.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,726,000	Administrative Expenses	\$50,000	
		Legal Expenses	15,000	
		Land, Easements	50,000	
		Planning	150,000	
		Eng - Design / Const	259,000	
		Eng - Insp	140,000	
		Eng - Other	20,000	
		Construction	3,674,000	
		Contingency	368,000	
TOTAL	<u>\$4,726,000</u>	TOTAL	<u>\$4,726,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	August 21, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	June 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,209		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,706	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	95,824	117,382	(21,558)	0.8
Audited 2022	19,438	114,512	(95,074)	0.2
Audited 2023	338,219	115,857	222,362	2.9

Scoring		Rubrick		Metrics		
MAGOFFIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,630	State MHI \$60,183	Percentage 55.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.82	2022 DCR 0.17	2023 DCR 2.92
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.14	2022 APT 6.00	2023 APT 5.40
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 36.06	2022 ARD 30.96	2023 ARD 38.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-131	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21131004	
BORROWER	HYDEN-LESLIE COUNTY WATER DISTRICT LESLIE COUNTY			
BRIEF DESCRIPTION				
This project consists of constructing a 1-million-gallon tank, replacing a valve vault, and installing new telemetry & SCADA for the water tank & water system. The project will also include the repair of two filter basins in the Hyden-Leslie County Water District Water Treatment Plant.				
The Hyden-Leslie County Water District currently has a 1M gallon standpipe water tank that feeds the entire system. The tank was built above underground coal mines, which has led to the tank's concrete foundation being compromised, jeopardizing the safety & structural integrity of the tank. This has resulted in significant chronic water leaks that have been measured at up to 30 gallons per minute. These leaks must be constantly monitored & fixed by the HLCWD. It was determined that the best solution was to relocate the tank.				
The HLCWD also has two filter basins in the Water Treatment Plant with leaks in the metal walls of the basins. Repair of the filter basin walls is necessary & will include removal of existing filter material & draining of the basins to repair the basins from the inside.				
This project to replace the 1M gallon water tank & repair the filter basins at the WTP will significantly improve water infrastructure & reduce water loss for the HLCWD.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	7,500	
		Eng - Design / Const	192,000	
		Eng - Insp	110,000	
		Eng - Other	60,000	
		Construction	2,315,000	
		Contingency	255,500	
TOTAL	<u>\$3,000,000</u>	TOTAL	<u>\$3,000,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	July 18, 1905		
DEBT PER CUSTOMER	Existing	\$54		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,608	\$54.74 (for 4,000 gallons)	
	Additional	0	\$54.74 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	484,636	299,684	184,952	1.6
Audited 2022	663,090	302,220	360,870	2.2
Audited 2023	587,117	301,000	286,117	2.0

Scoring			Rubrick	Metrics		
HYDEN-LESLIE COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,431	State MHI \$60,183	Percentage 63.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.62	2022 DCR 2.19	2023 DCR 1.95
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 9.87	2022 APT 8.09	2023 APT 0.00
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 52.14	2022 ARD 43.33	2023 ARD 44.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-012	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21207040	
BORROWER	CITY OF JAMESTOWN RUSSELL COUNTY			
BRIEF DESCRIPTION				
<p>The City of Jamestown currently utilizes chlorine gas as the method for disinfection at its water treatment plant. The proposed will convert the existing water treatment plant from chlorine gas disinfection system to liquid sodium hypochlorite system. The project would consist of a New Chemical Feed Building, Bulk Storage Tanks, Transfer Pumps, Day Tanks with new Chemical Feed Pumps, and Yard Piping modifications. The project will improve safety for the operators and the surrounding community.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,519,000	Administrative Expenses	\$10,000	
		Eng - Design / Const	104,000	
		Eng - Insp	65,000	
		Construction	1,220,000	
		Contingency	120,000	
TOTAL	<u>\$1,519,000</u>	TOTAL	<u>\$1,519,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons		
PROJECT SCHEDULE	Bid Opening	Nov-25		
	Construction Start	Mar-26		
	Construction Stop	Aug-26		
DEBT PER CUSTOMER	Existing	\$2,030		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,954	\$41.43 (for 4,000 gallons)	
	Additional	0	\$41.43 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	624,300	564,031	60,269	1.1
Audited 2022	443,728	534,151	(90,423)	0.8
Audited 2023	283,613	530,022	(246,409)	0.5

Scoring		Rubrick		Metrics		
CITY OF JAMESTOWN						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,157	State MHI \$60,183	Percentage 65.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.11	2022 DCR 0.83	2023 DCR 0.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.74	2022 APT 5.84	2023 APT 9.25
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 8.64	2022 ARD 6.99	2023 ARD 4.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-127 WX21025041	
BORROWER	BREATHITT COUNTY WATER DISTRICT BREATHITT COUNTY			
BRIEF DESCRIPTION				
This project will consist of the installation of over 44,000 linear feet of 6-inch, 4-inch and 2-inch PVC waterlines along with a pump station, a water storage tank and other necessary appurtenance in order to provide customers in that area with a reliable source of potable water. This project will provide 1st-time potable water service to approximately 35 residents. Some of whom have relocated to this area after the 2022 flood event.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	5,000	
		Eng - Design / Const	248,000	
		Eng - Insp	135,000	
		Eng - Other	30,000	
		Construction	3,200,000	
		Contingency	322,000	
TOTAL	<u>\$4,000,000</u>	TOTAL	<u>\$4,000,000</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 15, 2025 September 1, 2025 April 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,359		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current Additional	<u>Users</u> 1,998 35	<u>Avg. Bill</u> \$60.51 (for 4,000 gallons) \$60.51 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	140,449	115,163	25,286	1.2
Audited 2022	6,048	129,157	(123,109)	0.0
Audited 2023	(261,408)	115,778	(377,186)	-2.3

Scoring		Rubrick		Metrics		
BREATHITT COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,224	State MHI \$60,183	Percentage 65.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.22	2022 DCR 0.05	2023 DCR -2.26
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 13.07	2022 APT 14.28	2023 APT 22.23
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 38.81	2022 ARD 42.64	2023 ARD 40.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-138	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21231017	
BORROWER	CITY OF MONTICELLO WAYNE COUNTY			
BRIEF DESCRIPTION				
Provide a "first-time" source of sanitary sewer to approximately 85 customers and improved sewer service to approximately 17 customers in the Phase 1 area, which include Westwood Estates, North Main Street, and Green Acres, as well as customers in the area of Carter Road. Work will include 2,543 LF of 10" Gravity Sewer, 19,375 LF of 8" Gravity Sewer, 2,081 LF of 6" Service Laterals, (110) 4-Ft Diameter Manholes, 2,739 LF of 1.5" sewage force main, 875 LF of 6" sewage force main, (4) Grinder Pumping Stations, and (1) 280 GPM wastewater pump station				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$8,772,000	Administrative Expenses	\$75,000	
		Legal Expenses	65,000	
		Land, Easements	100,000	
		Planning	96,500	
		Eng - Design / Const	455,000	
		Eng - Insp	223,000	
		Eng - Other	142,500	
		Construction	6,922,000	
		Contingency	693,000	
TOTAL	<u>\$8,772,000</u>	TOTAL	<u>\$8,772,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	June 15, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$7,934		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,115	\$38.42 (for 4,000 gallons)	
	Additional	87	\$38.42 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,497,070	892,224	604,846	1.7
Audited 2021	1,499,912	967,858	532,054	1.5
Audited 2022	1,342,203	944,506	397,697	1.4

Scoring		Rubrick		Metrics		
CITY OF MONTICELLO						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,840	State MHI \$60,183	Percentage 71.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.68	2021 DCR 1.55	2022 DCR 1.42
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 15.71	2021 APT 19.32	2022 APT 18.82
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 21.97	2021 ARD 19.68	2022 ARD 17.69
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-104	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21173109	
BORROWER	MONTGOMERY COUNTY WATER DISTRICT #1 MONTGOMERY COUNTY			
BRIEF DESCRIPTION				
<p>The Montgomery County Water District #1 is seeking a \$400,000 WWaters funding to fund a critical infrastructure improvement project aimed at replacing aging and potentially hazardous water distribution lines. This project will focus on removing outdated lead and asbestos-cement pipes within the water system to enhance water quality and service reliability for customers.</p> <p>The scope of work includes the replacement of 3,067 linear feet of old water lines with new, durable PVC pipes. Specifically, this involves 249 linear feet of 6-inch pipes and 2,818 linear feet of 8-inch pipes that will be replaced throughout the distribution system. A key focus area is Little Joe Street, where the existing 4-inch asbestos-cement (AC) line and 2-inch steel line will be upgraded. The 4-inch AC line will be replaced with a new 4-inch PVC line, significantly reducing the risk of contamination and leaks.</p> <p>Additionally, the project will involve the installation of two new hydrants and a small 2-inch flush hydrant to improve fire safety and enhance system flushing capabilities, which is essential for maintaining water quality. These upgrades are crucial for eliminating health risks associated with older materials and for bringing the water distribution system up to modern standards.</p> <p>By securing the WWaters grant, Montgomery County Water District #1 aims to address these critical needs, reduce long-term maintenance costs, and ensure a safe, reliable water supply for its residents. The project reflects the District's ongoing commitment to providing high-quality water services and safeguarding public health.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$400,000	Administrative Expenses	\$22,000	
		Legal Expenses	6,000	
		Eng - Design / Const	35,648	
		Eng - Insp	27,648	
		Construction	256,704	
		Contingency	40,000	
		Other	12,000	
TOTAL	\$400,000	TOTAL	\$400,000	
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	August 20, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	March 31, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	774	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	7,156	2,306	4,850	3.1
Audited 2021	9,182	2,257	6,925	4.1
Audited 2022	707	2,143	(1,436)	0.3

Scoring			Rubrick	Metrics		
MONTGOMERY COUNTY WATER DISTRICT #1						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$45,505	State MHI \$60,183	Percentage 75.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 3.10	2021 DCR 4.07	2022 DCR 0.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.12	2021 APT 3.44	2022 APT 4.20
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 32.27	2021 ARD 24.33	2022 ARD 26.54
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-074 SX21127034	
BORROWER	CITY OF LOUISA KENTUCKY LAWRENCE COUNTY			
BRIEF DESCRIPTION				
<p>-The City of Louisa, KY has a need to replace an existing private sanitary sewer system on the north end of the city limits. The private system was installed approximately 40 years ago without inspection and was never taken over by the city due to it not being properly designed and permitted.</p> <p>-Flow from this system is treated by the City's wastewater treatment plant and customers are billed accordingly.</p> <p>-The current owners of the system have requested that the city take it over, however, a city hired engineering firm determined that the system is poorly constructed and maintained and has a history of failures due to deferred maintenance and installed on state right of way without a permit.</p> <p>-The City has determined that the existing infrastructure was constructed, maintained, and located in a manner that prevents simply taking over the system. A new system must be designed, permitted, constructed, and inspected in compliance with Kentucky Division of Water regulations to prevent imminent failure and loss of services to current businesses on the system.</p> <p>-In addition to the imminent failure of the system, there has been an economic impact to the area. The owners of the private system charge an exorbitant connection fee which has hindered development in the area, a heavy commercial area adjacent to US23. Installation of a new system, maintained by the City, would eliminate this barrier to development and allow the city to provide services to additional customers at the normal connection rate, spurring economic development.</p> <p>-Furthermore, the City would like to install new service to the existing homes on Mimosa Drive and install a low pressure force-main back to Emerson Lane to provide service to existing residential and industrial properties along the Big Sandy River and make service and capacity available for future development and allow the city to maintain the system to ensure continued service is available to current and new customers as well as ensure the no environmental impacts occur due to a failure of the current private system.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,418,550	Administrative Expenses	\$31,875	
		Planning	53,125	
		Eng - Design / Const	92,000	
		Eng - Insp	78,400	
		Construction	1,062,500	
		Contingency	100,650	
TOTAL	<u>\$1,418,550</u>	TOTAL	<u>\$1,418,550</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	June 1, 2024		
	Construction Start	July 1, 2024		
	Construction Stop	October 1, 2024		
DEBT PER CUSTOMER	Existing	\$2,903,786		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	13	\$52.16 (for 4,000 gallons)	
	Additional	0	\$52.16 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	738,674	822,875	(84,201)	0.9
Audited 2022	719,160	892,005	(172,845)	0.8
Audited 2023	822,911	963,496	(140,585)	0.9

Scoring		Rubrick		Metrics		
CITY OF LOUISA KENTUCKY						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,355	State MHI \$60,183	Percentage 82.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.90	2022 DCR 0.81	2023 DCR 0.85
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.32	2022 APT 1.65	2023 APT 1.33
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 46.32	2022 ARD 40.69	2023 ARD 41.75
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-062 WX21089013	
BORROWER	CITY OF GREENUP GREENUP COUNTY COUNTY			
BRIEF DESCRIPTION				
This project proposes to replace the existing primary intake for the City of Greenup floating temporary intake and install a new permanent water intake structure in the Little Sandy River (including pumping, piping, and VFD controls). The new structure will increase the intake capacity from 1 MGD to 3 MGD.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$16,000,000	Administrative Expenses	\$25,000	
		Legal Expenses	10,000	
		Planning	40,000	
		Eng - Design / Const	264,630	
		Eng - Insp	190,880	
		Construction	15,000,000	
		Contingency	469,490	
TOTAL	<u>\$16,000,000</u>	TOTAL	<u>\$16,000,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Howerton Engineering		
PROJECT SCHEDULE	Bid Opening	February 28, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	October 1, 2025		
DEBT PER CUSTOMER	Existing	\$571		
RESIDENTIAL RATES	Current	<u>Users</u> 4,118	<u>Avg. Bill</u> \$63.16 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	783,277	223,421	559,856	3.5
Audited 2020	552,447	222,974	329,473	2.5
Audited 2021	582,479	222,279	360,200	2.6

Scoring		Rubrick		Metrics		
CITY OF GREENUP						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,675	State MHI \$60,183	Percentage 89.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 3.51	2020 DCR 2.48	2021 DCR 2.62
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 19.00	2020 APT 8.27	2021 APT 9.14
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 50.25	2020 ARD 57.23	2021 ARD 53.78
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		42				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-091	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21073036	
BORROWER	PEAKS MILL WATER DISTRICT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
This project is for the Peaks Mill Water District (PMWD) to replace its existing AMR Meter System with new AMR/AMI meters, mobile radio equipment and software/billing interface. The current AMR system was installed in 2009 and is approaching the end of its useful life in 2024. Meter batteries are beginning to fail, and some meters are under-registering consumption, leading to high water loss. The project will replace approximately 1,250 meters over a three-year period with AMR and/or AMI metering technology. The project also includes installing leak detection technology on 10% of meters to determine location of leaks for repair or prioritize water main and service line for replacement.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$745,000	Administrative Expenses	\$10,000	
		Legal Expenses	5,000	
		Planning	10,000	
		Eng - Design / Const	60,000	
		Eng - Insp	30,000	
		Construction	150,000	
		Equipment	450,000	
		Contingency	30,000	
TOTAL	\$745,000	TOTAL	\$745,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	BlueWater Kentucky		
PROJECT SCHEDULE	Bid Opening	October 1, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	December 1, 2027		
DEBT PER CUSTOMER	Existing	\$2,525		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,228	N/A (for 4,000 gallons)	
	Additional	0	N/A (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	18,585	100,443	(81,858)	0.2
Audited 2022	(58,675)	100,847	(159,522)	-0.6
UNAudited 2023	(1,786)	100,188	(101,974)	0.0

Scoring		Rubrick		Metrics		
PEAKS MILL WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$85,744	State MHI \$60,183	Percentage 142.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.19	2022 DCR (0.58)	2023 DCR (0.02)
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.35	2022 APT 14.09	2023 APT 7.26
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.81	2022 ARD 28.37	2023 ARD 29.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		42				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-069 SX21065009	
BORROWER	CITY OF IRVINE ESTILL COUNTY			
BRIEF DESCRIPTION				
<p>This project will provide upgrades to three various locations of the existing collecting system.</p> <p>Location 1, Whispering Woods Sewer Upgrades, includes the elimination of a community 10,000 gallon failing septic system with a new 8-inch gravity sewer. The new gravity sewer will replace approximately 3,600 LF of deteriorating small diameter gravity sewer (4" and 6") and 1,800 LF of deteriorating 8-inch sewer with new 8-inch PVC sewer. Existing septic tank serves 52 residential and one commercial customer.</p> <p>Location 2, Sweet Lick Branch Sewer Replacement, includes the replacement of 8-inch clay tile sewer and brick manholes along the creek with new PVC sewer and precast manholes. The area sees heavy amount of inflow and infiltration.</p> <p>Location 3, KY 52 Road bore, includes the installation of an 8-inch sewer line beneath KY 52 will eliminates 2,000 LF of small diameter sewer. The new bore reroute the flow and bypasses the need to be pump upstream. The remaining small diameter sewer that corrects flow from businesses along KY 52 will be replaced along with the pump station.</p> <p>This project also includes improvements at the Irvine WWTP to recycle and reuse membrane wash down water.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,053,000	Administrative Expenses	\$50,000	
		Legal Expenses	35,000	
		Land, Easements	35,000	
		Planning	123,500	
		Eng - Design / Const	173,000	
		Eng - Insp	101,000	
		Construction	2,275,500	
		Contingency	228,500	
		Other	31,500	
TOTAL	<u>\$3,053,000</u>	TOTAL	<u>\$3,053,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	February 2, 2026		
	Construction Stop	August 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,587		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,066	\$35.31 (for 4,000 gallons)	
	Additional	70	\$35.31 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	617,081	416,658	200,423	1.5
Audited 2022	498,826	929,036	(430,210)	0.5
Audited 2023	411,265	404,908	6,357	1.0

Scoring		Rubrick		Metrics		
CITY OF IRVINE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,546	State MHI \$60,183	Percentage 57.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.48	2022 DCR 0.54	2023 DCR 1.02
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 9.36	2022 APT 14.49	2023 APT 2.58
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.36	2022 ARD 40.38	2023 ARD 41.05
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		41				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-043	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21219012	
BORROWER	CITY OF ELKTON TODD COUNTY			
BRIEF DESCRIPTION				
This project will extend approximately five miles of 3" sewer force main and two miles of 6" gravity sewer main from the city of Elkton along HWY 181 North to Todd County Elementary School. This project will eliminate the schools existing package treatment facility.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$750,000	Administrative Expenses	\$22,500	
		Legal Expenses	750	
		Eng - Design / Const	69,000	
		Eng - Insp	45,000	
		Construction	537,750	
		Contingency	75,000	
TOTAL	<u>\$750,000</u>	TOTAL	<u>\$750,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW		
PROJECT SCHEDULE	Bid Opening	September 30, 2025		
	Construction Start	November 1, 2025		
	Construction Stop	October 31, 2026		
DEBT PER CUSTOMER	Existing	\$5,067		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,018	\$54.47 (for 4,000 gallons)	
	Additional	0	\$54.47 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	245,008	416,718	(171,710)	0.6
Audited 2022	286,836	120,189	166,647	2.4
Audited 2023	324,517	195,277	129,240	1.7

Scoring		Rubrick		Metrics		
CITY OF ELKTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$40,237	State MHI \$60,183	Percentage 66.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.59	2022 DCR 2.39	2023 DCR 1.66
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 11.71	2022 APT 3.14	2023 APT 6.20
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 53.19	2022 ARD 53.91	2023 ARD 44.10
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		41				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-150	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21235012	
BORROWER	CUMBERLAND FALLS HIGHWAY WATER DISTRICT WHITLEY COUNTY			
BRIEF DESCRIPTION				
<p>The project will disconnect approximately 3.2 miles of 8-inch and 10.0 miles of 6-inch A-C main from the District's distribution system by laying approximately 10.0 miles of new PVC main and switching the District's users to the new PVC main. The existing users on the 8-inch A-C main will be switched to an existing parallel 12-inch PVC main. The existing A-C mains will be abandoned in-place and not disturbed.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,689,700	Administrative Expenses	\$30,000	
		Legal Expenses	5,000	
		Land, Easements	5,000	
		Eng - Design / Const	112,200	
		Eng - Insp	70,000	
		Eng - Other	10,000	
		Construction	1,325,000	
		Contingency	132,500	
TOTAL	<u>\$1,689,700</u>	TOTAL	<u>\$1,689,700</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening	September 1, 2025		
	Construction Start	November 1, 2025		
	Construction Stop	June 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,261		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u> 3,850	<u>Avg. Bill</u> \$47.40 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	688,352	201,283	487,069	3.4
Audited 2022	631,567	177,572	453,995	3.6
Audited 2023	548,410	218,271	330,139	2.5

Scoring			Rubrick	Metrics		
CUMBERLAND FALLS HIGHWAY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,226	State MHI \$60,183	Percentage 68.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 3.42	2022 DCR 3.56	2023 DCR 2.51
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.44	2022 APT 1.97	2023 APT 1.89
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 127.89	2022 ARD 0.00	2023 ARD 110.51
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		41				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-139	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21129011	
BORROWER	CITY OF BEATTYVILLE LEE COUNTY			
BRIEF DESCRIPTION				
<p>This project will replace the existing vitrified clay gravity sewer pipe in Beattyville with PVC sewer pipe. The City is nearing the completion of Phase 1 of the Beattyville Sewer Replacement Project. Phase 2 will repair and replace the existing vitrified clay gravity sewer pipes that were not able to be repaired in Phase 1. The average flow to wastewater treatment plant frequently exceeds its capacity of 300,000 GPD. Rehabilitation of sewers will improve KPDES permit compliance and extend the operating life of the sewer system.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	7,500	
		Eng - Design / Const	135,000	
		Eng - Insp	83,000	
		Eng - Other	45,000	
		Construction	1,525,000	
		Other	144,500	
TOTAL	<u>\$2,000,000</u>	TOTAL	<u>\$2,000,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,882		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	723	\$52.23 (for 4,000 gallons)	
	Additional	0	\$52.23 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	591,730	343,709	248,021	1.7
Audited 2022	249,713	430,179	(180,466)	0.6
Audited 2023	567,227	365,569	201,658	1.6

Scoring		Rubrick		Metrics		
CITY OF BEATTYVILLE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,255	State MHI \$60,183	Percentage 47.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.72	2022 DCR 0.58	2023 DCR 1.55
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.98	2022 APT 5.85	2023 APT 6.22
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 37.98	2022 ARD 29.03	2023 ARD 39.41
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		40				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-026 WX21107077	
BORROWER	SOUTH HOPKINS WATER DISTRICT HOPKINS COUNTY			
BRIEF DESCRIPTION				
<p>South Hopkins Water District has started planning for updates throughout most of the system. The district has suffered huge water loss the last few years due to old lines that are now breaking and causing leaks and is the main reason for water loss. The plans include installing new main lines to the "East" section of the district, installing radio read meters, building a new office and a new shop. The District has had Strand Associates create the PER and is submitted to Rural Development to try and get a loan, however, the district is hoping to receive grant money, if possible to cut back on the loan amount that will in return cut back on how much the district will have to charge the customers for water used. Some of the lines on the district are 50 years old, which is why there are so many leaks.</p> <p>This project will replace approximately 44 miles of existing water main that runs along the following routes: US62, KY112, KY454, KY41, KY70, KY3059, KY879, KY1337. The project will replace various diameter water main throughout the system into standard 8 or 12 inch diameter pipe for consistency in sourcing, installation, and maintenance. The project also involves the replace for existing pump stations along US62 and KY112. There is also a proposed addition of a new pump station and tank near Hopkins County Central High School to provide additional water storage and fire protection to the schools. In addition, the project will replace 3100 customers meters and 4 master meters with AMR meters and will construct a new office building and shop. The water district experiences numerous leaks on their AC water lines in the system. These lines are nearly 60 years old and create higher O &M costs and have the potential to be a health hazard. The meters need to be replaced with ARM technology so the district can shorten the time it takes to read meters from 2 weeks to only a few days. The current office building is old and does not have adequate space for all of the staff to work. The new building would allow for separate office space, a conference room, and a drive-thru window.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$29,020,300	Administrative Expenses	\$50,000	
		Planning	80,000	
		Eng - Design / Const	1,379,000	
		Eng - Insp	558,000	
		Construction	23,031,000	
		Equipment	1,472,000	
		Contingency	2,450,300	
TOTAL	<u>\$29,020,300</u>	TOTAL	<u>\$29,020,300</u>	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	STRAND ASSOCIATES		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 20, 2025 July 1, 2025 September 30, 2026		
DEBT PER CUSTOMER	Existing	\$1,516		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current Additional	<u>Users</u> 2,953 0	<u>Avg. Bill</u> \$36.51 (for 4,000 gallons) \$36.51 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	33,290	65,178	(31,888)	0.5
Audited 2022	4,047	79,214	(75,167)	0.1
Audited 2023	192,092	79,439	112,653	2.4

Scoring			Rubrick	Metrics		
SOUTH HOPKINS WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,673	State MHI \$60,183	Percentage 85.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.51	2022 DCR 0.05	2023 DCR 2.42
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.63	2022 APT 14.31	2023 APT 8.83
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 38.40	2022 ARD 36.04	2023 ARD 40.09
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		40				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-112	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21173191	
BORROWER	REID VILLAGE WATER DISTRICT MONTGOMERY COUNTY			
BRIEF DESCRIPTION				
<p>Reid Village Water District proposes a comprehensive replacement of approximately 900 radio-read water meters across its service area as the second phase of its meter upgrade initiative. The current water meters, aged between 11 to 13 years, have become less reliable, leading to potential water loss and loss of revenue due to inaccurate readings. The replacement of these aging meters is essential to improve operational efficiency, enhance water conservation efforts, and ensure accurate billing for customers.</p> <p>The project will leverage partial funding already secured by the Reid Village Water District to facilitate a complete system-wide meter replacement. The new meters will be compatible with the software and training implemented during Phase 1 of the project, allowing for seamless integration and efficient data management.</p> <p>The corrective action plan includes beginning the meter change-out in 2025, with a goal of completion by 2026, contingent on securing additional funding. Regular monitoring of water loss reports will be conducted monthly, and milestones will be reevaluated annually after project completion to ensure effectiveness. The project also emphasizes risk management, with plans to address potential costs arising from damage to meter setters or boxes during replacement.</p> <p>Reid Village Water District seeks \$350,000 in WWATERS funding to support this vital infrastructure improvement, which is crucial for maintaining system sustainability and financial viability. This investment will help the district reduce water loss, improve service reliability, and support the continuous improvement of its water supply system.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$350,000	Administrative Expenses	\$8,750	
		Eng - Design / Const	30,000	
		Construction	283,000	
		Contingency	28,250	
TOTAL	<u>\$350,000</u>	TOTAL	<u>\$350,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	March 20, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$731		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,172	\$52.69 (for 4,000 gallons)	
	Additional	0	\$52.69 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	106,660	59,965	46,695	1.8
Audited 2021	83,643	60,342	23,301	1.4
Audited 2022	52,066	60,662	(8,596)	0.9

Scoring		Rubrick		Metrics		
REID VILLAGE WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,863	State MHI \$60,183	Percentage 97.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.78	2021 DCR 1.39	2022 DCR 0.86
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 7.62	2021 APT 7.61	2022 APT 8.10
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 35.91	2021 ARD 35.73	2022 ARD 30.35
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-120	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21199013	
BORROWER	CITY OF SCIENCE HILL PULASKI COUNTY			
BRIEF DESCRIPTION				
<p>This project includes the expansion of the existing City of Science Hill WWTP to provide an ultimate capacity 0.3 million gallons per (MGD). This represents a doubling of the current capacity of 0.15 MGD. The new treatment plant unit will be constructed at the same site as the existing WWTP, with the existing unit being rehabilitated when the proposed improvements are brought online.</p> <p>The components being rehabbed is the existing wastewater treatment package unit itself. The unit is a combination treatment and clarifier train. What is being constructed is a copy of what is there currently. Also, sludge storage and chlorine basins may be modified/rehabilitated to account for the increased capacity.</p> <p>VFDs will be installed on blower equipment as well as pumps that are replaced in the project.</p> <p>Facility plan is anticipated part of the work.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,599,906	Administrative Expenses	\$50,000	
Funding Source 2	500,094	Legal Expenses	20,000	
		Planning	111,000	
		Eng - Design / Const	175,000	
		Eng - Insp	136,000	
		Eng - Other	56,000	
		Construction	2,320,000	
		Contingency	232,000	
TOTAL	\$3,100,000	TOTAL	\$3,100,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group, PLLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	February 1, 2026		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$2,942		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	410	\$29.92 (for 4,000 gallons)	
	Additional	0	\$29.92 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
No Audited Financials	0	0	0	n/a
No Audited Financials	0	0	0	n/a
No Audited Financials	0	0	0	n/a

Scoring		Rubrick		Metrics		
CITY OF SCIENCE HILL						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,739	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2022 DCR N/A	2023 DCR N/A	2024 DCR N/A
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-084	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21047013	
BORROWER	HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY			
BRIEF DESCRIPTION				
Construction of a 2,000,000 gallon composite elevated water storage tank.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$14,500,000	Administrative Expenses	\$17,832	
		Land, Easements	126,000	
		Eng - Design / Const	820,569	
		Eng - Insp	223,955	
		Eng - Other	12,150	
		Construction	13,106,367	
		Contingency	193,127	
TOTAL	<u>\$14,500,000</u>	TOTAL	<u>\$14,500,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	Apr-25		
	Construction Start	Jun-25		
	Construction Stop	Dec-26		
DEBT PER CUSTOMER	Existing	\$2,373		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	16,025	\$43.05 (for 4,000 gallons)	
	Additional	0	\$43.05 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045	1.1
Audited 2022	7,818,213	6,056,476	1,761,737	1.3
Audited 2023	8,234,563	6,128,759	2,105,804	1.3

Scoring		Rubrick		Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,268	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 5.45	2022 ARD 5.77	2023 ARD 4.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-083	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21047037	
BORROWER	HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY			
BRIEF DESCRIPTION				
Design & Construction of the following:				
Phase A - ~10,500 LF of 15" PVC sewer line extension, with appurtenances. Two (2) existing sewage pumping stations will be decommissioned.				
Phase B - 2MGD Sewage Pumping Station.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$31,500,000	Eng - Design / Const	1,750,000	
		Eng - Other	25,000	
		Construction	24,750,000	
		Contingency	4,975,000	
TOTAL	<u>\$31,500,000</u>	TOTAL	<u>\$31,500,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	Jan-26		
	Construction Start	Apr-26		
	Construction Stop	Jul-28		
DEBT PER CUSTOMER	Existing	\$2,373		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	16,026	\$43.05 (for 4,000 gallons)	
	Additional	0	\$43.05 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045	1.1
Audited 2022	7,818,213	6,056,476	1,761,737	1.3
Audited 2023	8,234,563	6,128,759	2,105,804	1.3

Scoring			Rubrick	Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,200	State MHI \$60,183	Percentage 73.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 24.78	2022 ARD 23.31	2023 ARD 25.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-082	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21047044	
BORROWER	HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY			
BRIEF DESCRIPTION				
This project consists of approximately 29,000 LF of 20" ductile iron water pipe with appurtenances, a 2 MG elevated storage tank, and a 2,100 GPM booster pump station. This project will begin at an existing 16" water main on US-68B, extend along Bradshaw Road (KY-109), thence along John Rivers Road, and end at the booster pump station and elevated storage tank adjacent to the Hopkinsville Commerce Park. The elevated storage tank will interconnect with an existing 12" water main on John Rivers Road, with the resulting system pressure increase allowing the existing commerce park booster pump station and 1 MG ground storage tank to be removed from service.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$21,000,000	Eng - Design / Const	1,435,000	
		Eng - Insp	300,000	
		Eng - Other	15,000	
		Construction	16,000,000	
		Contingency	3,250,000	
TOTAL	<u>\$21,000,000</u>	TOTAL	<u>\$21,000,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	Aug-25		
	Construction Start	Nov-25		
	Construction Stop	Nov-27		
DEBT PER CUSTOMER	Existing	\$2,373		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	16,026	\$43.05 (for 4,000 gallons)	
	Additional	0	\$43.05 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045	1.1
Audited 2022	7,818,213	6,056,476	1,761,737	1.3
Audited 2023	8,234,563	6,128,759	2,105,804	1.3

Scoring		Rubrick		Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,268	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.63%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 24.78	2022 ARD 23.31	2023 ARD 25.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-081	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21047043	
BORROWER	HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY			
BRIEF DESCRIPTION				
This project will provide a redundant water supply to Ft. Campbell and other areas served along US 41A and the US 68 Bypass.				
#1. 36" Water Transmission Main - Project includes the construction of ~38,000 LF of DIP and appurtenances.				
#2. 24" Water Transmission Main - Project includes the construction of ~2,500 LF of DIP and appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$ 19,000,000	Eng - Design / Const	\$ 1,000,000	
		Construction	15,750,000	
		Contingency	2,250,000	
TOTAL	\$ 19,000,000	TOTAL	\$ 19,000,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	Jan-26		
	Construction Start	Apr-26		
	Construction Stop	Jul-28		
DEBT PER CUSTOMER	Existing	\$2,373		
RESIDENTIAL RATES	Current	<u>Users</u> 16,025	<u>Avg. Bill</u> \$43.05 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045	1.1
Audited 2022	7,818,213	6,056,476	1,761,737	1.3
Audited 2023	8,234,563	6,128,759	2,105,804	1.3

Scoring		Rubrick		Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,268	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.63%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 5.45	2022 ARD 5.77	2023 ARD 4.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-089	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21137061	
BORROWER	CITY OF HUSTONVILLE LINCOLN COUNTY			
BRIEF DESCRIPTION				
<p>The project involves the replacement of corroded and failing cast iron 4" and 6" water distribution lines from the Moreland tank area north along KY 2141. Additionally, it will replace 800 failing and inaccurate water meters and add a hydro-pneumatic booster station for Huston Pointe. The project also includes the purchase of an excavator, trailer, and leak detection listening equipment.</p> <p>The replacement of these lines is necessary due to frequent breaks and leaks in the existing cast iron pipes, much of which were installed during the original system construction. These issues have hindered the system's ability to adequately bill for water usage, affecting revenues and overall operation. The replacement of the meters will significantly mitigate this issue, ensuring accurate billing and improved financial stability.</p> <p>By addressing these critical infrastructure needs, the project will enhance the reliability and efficiency of the water system, improve water quality, and support the economic growth of Hustonville. The improved infrastructure will attract new businesses and residents, boosting the local economy and contributing to a higher median household income. This comprehensive approach aligns with the goals of regionalization, consolidation, and partnerships as outlined in KRS 224A.300, ensuring a sustainable and prosperous future for the community.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,447,950	Administrative Expenses	\$60,000	
		Legal Expenses	10,000	
		Land, Easements	20,000	
		Planning	40,000	
		Eng - Design / Const	196,000	
		Eng - Insp	111,000	
		Construction	2,617,950	
		Contingency	393,000	
TOTAL	\$3,447,950	TOTAL	\$3,447,950	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenviorons, Inc.		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	April 1, 2026		
DEBT PER CUSTOMER	Existing	\$261		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,847	\$38.86 (for 4,000 gallons)	
	Additional	0	\$38.86 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	97,273	41,401	55,872	2.3
Audited 2021	3,851	41,352	(37,501)	0.1
Audited 2022	(34,313)	41,300	(75,613)	-0.8

Scoring		Rubrick		Metrics		
CITY OF HUSTONVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,769	State MHI \$60,183	Percentage 82.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 2.35	2021 DCR 0.09	2022 DCR -0.83
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 2.35	2021 APT 2.21	2022 APT 2.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 48.96	2021 ARD 39.86	2022 ARD 34.57
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-119	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21087031	
BORROWER	GREEN-TAYLOR WATER DISTRICT GREEN COUNTY			
BRIEF DESCRIPTION				
The project will include the construction of approximately 9,300 LF of 4-inch and 21,300 LF of 3-inch water mains.				
The project will provide service to previously unserved areas of Taylor and Green, Counties. The proposed extensions will serve Austin Drive, Appleby Drive, Moss Road, Locust Road, and Wall Pike in Taylor County. L.R. Houk Road and Albert Smith Road in Green County.				
In addition, minor improvements are also proposed to the Campbellsville Booster Pump Station, which is located at the GTWD purchase point from the City of Campbellsville. The pump station improvements consist of upgrades to the existing control system to include variable frequency drives.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,090,000	Administrative Expenses	\$5,000	
		Legal Expenses	15,000	
		Land, Easements	10,200	
		Eng - Design / Const	142,800	
		Eng - Insp	87,000	
		Eng - Other	15,000	
		Construction	1,650,000	
		Contingency	165,000	
TOTAL	<u>\$2,090,000</u>	TOTAL	<u>\$2,090,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	June 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	May 1, 2026		
DEBT PER CUSTOMER	Existing	\$665		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,374	\$44.13 (for 4,000 gallons)	
	Additional	10	\$44.13 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	599,577	296,368	303,209	2.0
Audited 2022	797,126	345,793	451,333	2.3
Audited 2023	638,711	385,923	252,788	1.7

Scoring		Rubrick		Metrics		
GREEN-TAYLOR WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,902	State MHI \$60,183	Percentage 84.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.02	2022 DCR 2.31	2023 DCR 1.66
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.30	2022 APT 1.31	2023 APT 1.86
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 59.25	2022 ARD 59.48	2023 ARD 58.12
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-102	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21173189	
BORROWER	CITY OF JEFFERSONVILLE MONTGOMERY COUNTY			
BRIEF DESCRIPTION				
<p>The City of Jeffersonville plans to implement a system-wide telemetry upgrade and refurbish the 300,000-gallon elevated storage tank on Kentucky Highway 599 and is applying for \$416,060 in WWATERS funding to support this project.</p> <p>Telemetry Upgrade: The upgrade will involve installing five master meters, two pump stations, and one additional pump station with system setup and software integration to interface with the utility's computer system. Tank</p> <p>Refurbishment: Refurbishment of the HWY 599 tank will include sandblasting and recoating the interior and installing a new mixer to improve water turnover and mitigate public health risks associated with stale water. The exterior will undergo thorough cleaning with a biodegradable detergent, rust removal, and surface preparation using wire brushes and hand scrapers per SSPC#2 (hand tool cleaning) standards. The exterior will then be spot primed and finished with two coats of Sherwin Williams acrylic paint.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$416,060	Administrative Expenses	\$11,750	
		Eng - Design / Const	30,100	
		Eng - Insp	24,460	
		Construction	322,250	
		Contingency	23,500	
		Other	4,000	
TOTAL	<u>\$416,060</u>	TOTAL	<u>\$416,060</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	June 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$330		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,301	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	84,134	76,066	8,068	1.1
Audited 2021	79,997	51,493	28,504	1.6
Audited 2022	136,768	72,851	63,917	1.9

Scoring		Rubrick		Metrics		
CITY OF JEFFERSONVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,386	State MHI \$60,183	Percentage 85.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.11	2021 DCR 1.55	2022 DCR 1.88
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 4.56	2021 APT 8.64	2022 APT 10.88
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 39.98	2021 ARD 44.02	2022 ARD 42.35
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-144	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21019076	
BORROWER	BIG SANDY WATER DISTRICT BOYD COUNTY			
BRIEF DESCRIPTION				
<p>This project will include the replacement of approximately 11,000 LF of 12" PVC waterline with 14" HDPE (12" I.D.) waterline along Old U.S. 23 beginning near Calgon Carbon and continuing south along Old U.S. 23 and across new U.S. 23 to water tank south of Whites Creek.</p> <p>This will replace an existing critical aging transmission main that is partly in the Big Sandy River backwater with HDPE in a highly industrial area. The waterline is the main transmission line from the Kenova Water Treatment plant to Lawrence & Carter Counties and portions of Boyd County. The Kenova Water Treatment plant provides over 70% of the water source for the Big Sandy Water District and their 4,900 industrial, commercial and residential users.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,440,000	Administrative Expenses	\$36,000	
		Legal Expenses	6,000	
		Planning	20,000	
		Eng - Design / Const	103,200	
		Eng - Insp	64,800	
		Eng - Other	10,000	
		Construction	1,089,775	
		Contingency	110,225	
TOTAL	\$1,440,000	TOTAL	\$1,440,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	April 17, 2025		
	Construction Start	June 2, 2025		
	Construction Stop	October 1, 2025		
DEBT PER CUSTOMER	Existing	\$3,572		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,302	\$50.49 (for 4,000 gallons)	
	Additional	0	\$50.49 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	437,057	358,528	78,529	1.2
Audited 2022	502,873	313,969	188,904	1.6
Audited 2023	981,148	380,353	600,795	2.6

Scoring		Rubrick		Metrics		
BIG SANDY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,448	State MHI \$60,183	Percentage 97.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.22	2022 DCR 1.60	2023 DCR 2.58
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.87	2022 APT 16.95	2023 APT 18.27
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.89	2022 ARD 37.07	2023 ARD 33.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-003	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21161022	
BORROWER	WESTERN LEWIS-RECTORVILLE WATER & GAS DISTRICT MASON COUNTY			
BRIEF DESCRIPTION				
The Western Lewis-Rectorville Water & Gas District plans to construct a new 300,000 gallon elevated water storage tank on property they currently own adjacent to their former office building and warehouse. This project will be a benefit to their entire system as it will allow the District to meet growing demand and facilitate more efficient distribution system operation. The current 100,000 gallon tank no longer has the capability to serve the entire system which has grown in capacity since the tank's construction over 30 years ago. This project will also include an expansion to the current SCADA system as well as tank protection, including security locks, signage, and cage guards.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,148,850	Administrative Expenses	\$50,000	
		Legal Expenses	20,000	
		Planning	10,000	
		Eng - Design / Const	19,900	
		Eng - Insp	62,600	
		Eng - Other	28,000	
		Construction	1,895,300	
		Contingency	23,050	
		Other	40,000	
TOTAL	<u>\$2,148,850</u>	TOTAL	<u>\$2,148,850</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Haworth-Meyer-Boleyn Professional Engineers, LLC		
PROJECT SCHEDULE	Bid Opening	May 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,849		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,340	\$42.38 (for 4,000 gallons)	
	Additional	0	\$42.38 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	384,380	210,120	174,260	1.8
Audited 2022	282,259	212,148	70,111	1.3
Audited 2023	230,258	211,017	19,241	1.1

Scoring		Rubrick		Metrics		
WESTERN LEWIS-RECTORVILLE WATER & GAS DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$43,251	State MHI \$60,183	Percentage 71.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.83	2022 DCR 1.33	2023 DCR 1.09
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.69	2022 APT 4.82	2023 APT 9.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 37.70	2022 ARD 40.18	2023 ARD 32.06
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-025	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21177057	
BORROWER	MUHLENBERG COUNTY WATER DISTRICT #3 MUHLENBERG COUNTY			
BRIEF DESCRIPTION				
Funds will be utilized to purchase two service trucks to replace two trucks currently being used. One being a 2015 Dodge Ram 1500 and the other a 2017 Dodge Ram 1500. These trucks have considerable mileage on them. The 2015 has 143,794 and the 2017 has 124,668. Replacing the trucks would be a considerable burden to the utility as trucks are a costly, but necessary expense.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$ 200,000	Equipment	\$ 200,000	
TOTAL	\$ 200,000	TOTAL	\$ 200,000	
REPAYMENT	Rate	#REF!	Est. Annual Payment	\$6,667
	Term	30 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	Jun-25		
	Construction Start	Jul-25		
	Construction Stop	Aug-25		
DEBT PER CUSTOMER	Existing	\$0		
	Proposed	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,068	\$0.00	(for 4,000 gallons)
	Additional	0	\$0.00	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	153,303	0	153,303	n/a
Audited 2022	30,907	0	30,907	n/a
Audited 2023	77,819	0	77,819	n/a

Scoring			Rubrick	Metrics		
MUHLENBERG COUNTY WATER DISTRICT #3						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$45,436	State MHI \$60,183	Percentage 75.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR #DIV/0!	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.30	2022 APT 1.58	2023 APT 1.15
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 46.34	2022 ARD 47.40	2023 ARD 43.28
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
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EXECUTIVE SUMMARY		Reviewer	Russell Neal	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-008	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21203009	
BORROWER	WESTERN ROCKCASTLE WATER ASSOCIATION ROCKCASTLE COUNTY			
BRIEF DESCRIPTION				
<p>Project entails the construction of a new 100,000 Gallon Ground Storage Tank and appurtenances for the Burr Area portion of the water system. The Burr Area will also consist of constructing a new 30 GPM Water Booster Pumps Station to fill the new 100,000 Gall Tank. This will involve a short 4-inch PVC transmission main and appurtenances. In addition, the project entails the rehabilitation of an existing 25,000 gallon ground water storage tank and an existing 50,000 gallon ground water storage tank. Project entails the installation of approximately 3,000 LF of 3-Inch PVC SDR 17 Water Line along Glade Fork Road to serve eight (8) unserved customers, Replacement of an existing 200 GPM with a new 200 GPM pump station, and Replacing the existing SCADA/Telemetry system. There are at total of (15) locations that need SCADA upgrades: Water Office Master, Eight (8) tank sites, and Six (6) pump station sites.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,646,000	Administrative Expenses	\$12,500	
		Legal Expenses	12,500	
		Land, Easements	40,000	
		Eng - Design / Const	229,000	
		Eng - Insp	126,000	
		Eng - Other	25,000	
		Construction	2,910,000	
		Other	291,000	
TOTAL	<u>\$3,646,000</u>	TOTAL	<u>\$3,646,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	Jul-26		
	Construction Start	Aug-26		
	Construction Stop	Feb-27		
DEBT PER CUSTOMER	Existing	\$2,434		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,070	\$45.48 (for 4,000 gallons)	
	Additional	0	\$45.48 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	230,660	174,691	55,969	1.3
Audited 2022	446,033	161,322	284,711	2.8
Audited 2023	144,089	186,619	(42,530)	0.8

Scoring			Rubrick	Metrics		
WESTERN ROCKCASTLE WATER ASSOCIATION						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$46,884	State MHI \$60,183	Percentage 77.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.32	2022 DCR 2.76	2023 DCR 0.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.69	2022 APT 4.82	2023 APT 9.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 5.99	2022 ARD 5.69	2023 ARD 5.76
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-107	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21173194	
BORROWER	CITY OF MOUNT STERLING MONTGOMERY COUNTY			
BRIEF DESCRIPTION				
<p>The Greenbriar Dam Rehabilitation Project Phase II addresses critical repairs to the Greenbriar Lake Dam in Montgomery County, Kentucky, which serves as a primary water supply for Mount Sterling. The dam faces significant structural issues, including two active slope failures and spillway erosion, creating an unacceptable safety risk that could result in a dam breach and endanger downstream areas and the city's water supply.</p> <p>Mount Sterling will utilize Cleaner Water Program funds (WX21173180) for emergency repairs. The project involves Interim Risk Reduction Measures (IRRM) to stabilize the dam temporarily. Key actions include replacing failed slopes with stone materials, reinforcing spillway walls, lowering the gravel walking path by 2 feet, modifying the sheet pile wall, and using grouted riprap to mitigate erosion.</p> <p>The City is collaborating with an engineering consultant to design these measures, with construction set to begin in Q1 2025 and complete by the end of 2025. Post-construction, ongoing monitoring will ensure the dam's stability during this interim period until a long-term water supply solution is implemented.</p> <p>Operating under an Emergency Action Plan (EAP), the City coordinates with agencies like the US Army Corps of Engineers and the Kentucky Dam Safety Section for required permits and regulatory compliance. The IRRM project aims to reduce immediate risks while planning for a permanent resolution to ensure the continued safety and reliability of Mount Sterling's water supply.</p> <p>Mount Sterling is applying for \$6,600,000 of WWATERS funding.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,600,000	Administrative Expenses	\$40,000	
		Eng - Design / Const	300,000	
		Eng - Insp	260,000	
		Construction	5,400,000	
		Contingency	600,000	
TOTAL	<u>\$6,600,000</u>	TOTAL	<u>\$6,600,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Schnabel Engineerign		
PROJECT SCHEDULE	Bid Opening	March 25, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$302		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,670	\$33.81 (for 4,000 gallons)	
	Additional	0	\$33.81 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	2,083,760	667,133	1,416,627	3.1
Audited 2022	1,308,509	1,338,633	(30,124)	1.0
Audited 2023	2,197,856	336,638	1,861,218	6.5

Scoring		Rubrick		Metrics		
CITY OF MOUNT STERLING						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,970	State MHI \$60,183	Percentage 81.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 3.12	2022 DCR 0.98	2023 DCR 6.53
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 7.57	2022 APT 6.36	2023 APT 0.63
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 48.80	2022 ARD 51.29	2023 ARD 52.52
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-142	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21029047	
BORROWER	LOUISVILLE-JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT JEFFERSON COUNTY			
BRIEF DESCRIPTION This proposed project is part of a regional set of planned improvements in the former Bullitt Co. Sanitation District service area. The project will allow MSD to maximize the benefit of eliminating 3 other WWTP's and several pump stations, redirecting flows to more appropriate treatment facilities (within Jefferson and Bullitt Counties). This individual project will improve an existing problematic wastewater treatment plant and provide adequate capacity for existing and future conditions. Expanding and upgrading this wastewater treatment plant will allow for planned elimination of existing upstream wastewater treatment plants within the Bullitt County service area. This project will expand the existing 0.31 MGD Pioneer Village Wastewater Treatment Plant. The initial phase of the project will provide a capacity of 1.0 MGD (with the ability for further expansion to 2.0 MGD) and will include the construction of a new influent pump station located to better serve the watershed and allow for the future eliminations of the Hillview #3 WWTP, Union Tool Pump Station, and the Jewish Hospital Pump Station. The project is scalable and can be implemented in phasing with the WWTP improvements.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$31,900,000	Construction	\$31,900,000	
TOTAL	\$31,900,000	TOTAL	\$31,900,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GPD Group		
PROJECT SCHEDULE	Bid Opening	June 21, 2025		
	Construction Start	September 30, 2025		
	Construction Stop	August 30, 2027		
DEBT PER CUSTOMER	Existing	\$2,798		
RESIDENTIAL RATES	Current	<u>Users</u> 946	<u>Avg. Bill</u> \$70.59 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	221,454,000	136,869,000	84,585,000	1.6
Audited 2022	244,922,000	138,389,000	106,533,000	1.8
Audited 2023	274,638,000	144,616,000	130,022,000	1.9

Scoring		Rubrick		Metrics		
LOUISVILLE-JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$68,378	State MHI \$60,183	Percentage 113.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 1.97	2020 DCR 1.61	2021 DCR 1.62
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2019 APT 0.37	2020 APT 0.82	2021 APT 0.84
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 27.33	2020 ARD 26.22	2021 ARD 26.97
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-037	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21107078	
BORROWER	DAWSON SPRINGS WATER & SEWER SYSTEM HOPKINS COUNTY			
BRIEF DESCRIPTION				
This project will rehabilitate the two water storage tanks in the distribution system, rehabilitate the backwash basin at the water plant, replace water lines along Sycamore, West Hill, and Walnut Streets, and upgrade the filter controls at the water treatment plant. The project also includes the purchase of emergency standby generators for the water plant, intake, and pump stations in the system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,497,000	Administrative Expenses	\$20,000	
		Eng - Design / Const	487,000	
		Eng - Insp	300,000	
		Construction	2,140,000	
		Equipment	500,000	
		Other	50,000	
TOTAL	<u>\$3,497,000</u>	TOTAL	<u>\$3,497,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW		
PROJECT SCHEDULE	Bid Opening	July 30, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	754	\$35.74 (for 4,000 gallons)	
	Additional	0	\$35.74 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	389,169	205,523	183,646	1.9
Audited 2022	182,760	394,434	(211,674)	0.5
Audited 2023	24,086	250,679	(226,593)	0.1

Scoring			Rubrick	Metrics		
DAWSON SPRINGS WATER & SEWER SYSTEM						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,748	State MHI \$60,183	Percentage 57.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.99%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.89	2022 DCR 0.46	2023 DCR 0.10
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.03	2022 APT 7.50	2023 APT 4.68
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 32.48	2022 ARD 33.42	2023 ARD 34.26
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-088	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21155063	
BORROWER	CITY OF LEBANON/LEBANON WATER WORKS CO INC MARION COUNTY			
BRIEF DESCRIPTION Replace all existing traditional water meters that are approximately 20 years old. (approx. 1,000 meters left to replace) with new, more accurate AMR or AMI/smart meter radio-read type water meters to help reduce non-revenue water. Additionally, labor efficiencies will be enhanced with the installation of AMI meters. This will result in customer usage gathering in a more timely, safer manner. Also, the project will include the assessment and mitigation of potential water quality issues throughout the distribution system with the installation of check valves and back flow prevention devices on susceptible customer connections as well as new service lines.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$10,000,000	Administrative Expenses	\$50,000	
		Land, Easements	5,000	
		Planning	35,000	
		Eng - Design / Const	530,000	
		Eng - Insp	327,000	
		Construction	8,222,500	
		Contingency	823,000	
		Other	7,500	
TOTAL	<u>\$10,000,000</u>	TOTAL	<u>\$10,000,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
PROJECT SCHEDULE	Bid Opening	February 15, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	January 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,532		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,860	\$24.34 (for 4,000 gallons)	
	Additional	0	\$24.34 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,098,952	514,007	584,945	2.1
Audited 2022	1,530,447	630,685	899,762	2.4
Audited 2023	1,210,943	645,329	565,614	1.9

Scoring			Rubrick	Metrics		
CITY OF LEBANON/LEBANON WATER WORKS CO INC						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$37,843	State MHI \$60,183	Percentage 62.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.14	2022 DCR 2.43	2023 DCR 1.88
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 1.30	2022 APT 0.88	2023 APT 0.64
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.56	2022 ARD 44.60	2023 ARD 40.81
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-089	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21091106	
BORROWER	CITY OF HAWESVILLE HANCOCK COUNTY			
BRIEF DESCRIPTION The proposed project will reduce water loss, improve redundancy and remove failing infrastructure within the Hawesville's water distribution system prior to the Hancock County Regional Water Treatment Plant (WX21091105) coming online. This project will allow Hawesville to operate in a more financial feasible and responsible manner. The project will replace a section of the distribution system that has had a historically high repair rate (Main Street & Main Cross, Harrison Street and the Judicial Center Booster Station) that will reduce the water loss of the system and provide a more sound operational position prior to becoming a wholesale purchaser. The project will also remove six dead-end water mains that require significant flushing to maintain water quality to the customers within their service area (Coal Bank Hollow & US 60 east to KY 69).				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,072,860	Administrative Expenses	\$0	
		Planning	2,500	
		Eng - Design / Const	131,400	
		Eng - Insp	79,700	
		Eng - Other	15,000	
		Construction	1,676,600	
		Contingency	167,660	
TOTAL	\$2,072,860	TOTAL	\$2,072,860	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,210	\$27.29 (for 4,000 gallons)	
	Additional	0	\$27.29 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	N/A	N/A	N/A	N/A
Audited 2022	N/A	N/A	N/A	N/A
Audited 2023	N/A	N/A	N/A	N/A

Scoring		Rubrick		Metrics		
CITY OF HAWESVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$59,824	State MHI \$60,183	Percentage 99.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR #DIV/0!	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT #DIV/0!	2022 APT #DIV/0!	2023 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD #DIV/0!	2022 ARD #DIV/0!	2023 ARD #DIV/0!
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-136 SX21119019	
BORROWER	KNOTT COUNTY WATER AND SEWER DISTRICT KNOTT COUNTY			
BRIEF DESCRIPTION				
Project Description: The proposed project is to construct a new wastewater treatment plant in the Caney community of Knott County. The wastewater treatment plant will be owned and operated by the Knott County Water & Sewer District. The current wastewater treatment plant was damaged in the July 2022 flooding and is damaged beyond repair. This project will consist of construction of a new plant, the new plant will be located on property adjacent to the current plant and this property is out of the floodplain. The project will consist of WWTP Headworks, Sludge Holding Tanks and Sludge Disposal Unit, an on-site Duplex Lift Station 300gpm, a pre-equalization basin, 4 aeration basins, 6 blowers, 2 clarifiers, 2 UV disinfection chambers, a post-aeration basin, a lab building, security fencing, SCADA and control and plant piping.				
Need For Project: Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act: The Caney Wastewater Treatment Plant, adjacent to Alice Lloyd College in Pippa Passes, Kentucky, was severely damaged in the historic July 2022 flood. The current plant, built in the 1960's, is outdated and has reached its useful life. The plant services not only the college, which has a capacity of 1,000 + staff and students, but also the entire Caney community. The proposed project will benefit the community, giving them quality and reliable sewage services. Alice Lloyd College continues to grow, subsequently a more reliable sewage system is needed to accommodate the growing capacity.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,602,050	Administrative Expenses	\$50,000	
HB 1 (2024 RS)	3,500,000	Planning	279,000	
	-	Eng - Insp	270,800	
	-	Eng - Other	50,000	
		Construction	4,047,500	
		Other	404,750	
TOTAL	<u>\$5,102,050</u>	TOTAL	<u>\$5,102,050</u>	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Precision/RMJE		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	February 1, 2025 March 1, 2025 March 1, 2027		
DEBT PER CUSTOMER	Existing	\$5,061		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 102 0	<u>Avg. Bill</u> \$22.56 (for 4,000 gallons) \$22.56 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	817,569	376,328	441,241	2.2
Audited 2022	996,903	68,643	928,260	14.5
Audited 2023	1,170,130	677,576	492,554	1.7

Scoring			Rubrick	Metrics		
KNOTT COUNTY WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,155	State MHI \$60,183	Percentage 56.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.17	2022 DCR 14.52	2023 DCR 1.73
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 32.28	2022 APT 8.97	2023 APT 10.74
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 42.47	2022 ARD 35.99	2023 ARD 40.03
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		31				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-105	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21205041	
BORROWER	CITY OF MOREHEAD ROWAN COUNTY			
BRIEF DESCRIPTION				
<p>The proposed project involves cleaning and installing a 36-inch fold-and-form PVC sewer liner into the existing 36-inch gravity reinforced concrete pipe (RCP) sewer line running parallel to US 60. This sewer line, made of concrete, spans approximately 18,100 linear feet and serves as the main wastewater artery, transporting all wastewater from the Downtown Sewershed to the Wastewater Treatment Plant (WWTP) located off Bullfork Road. The project will start near the Regal manufacturing facility at the discharge point of a 24-inch force main and extend southwest to the WWTP.</p> <p>This section of RCP is critical in providing service to the downtown area of Morehead, including Morehead State University, which together account for about 40% of all wastewater delivered to the WWTP. Recent televised inspections of the gravity sewer revealed structural failures, corrosion of the cement exposing steel reinforcements, and significant inflow and infiltration (I/I) issues during non-rain events, indicating that the line is beyond its useful life.</p> <p>Additionally, the project will address recent discoveries of corrosion in manholes and pipe sections related to discharges from force mains. These conditions have led to necessary repair work at multiple manholes and sections of the pipe. Evaluations of the existing transmission main determined that the most cost-effective solution is to clean and line the existing 36-inch sewer main and rehabilitate approximately 45 manholes. This approach will provide a long-term, cost-effective solution while allowing the Morehead Utility Plant Board (MUPB) to maintain its level of service for current and future ratepayers.</p> <p>To support the completion of this project, MUPB is applying for \$5,285,290 in WWaters funding. This funding will be crucial for addressing the structural failures and ensuring the continued operation and reliability of the wastewater infrastructure.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,285,290	Administrative Expenses	\$40,000	
		Planning	3,500	
		Eng - Design / Const	206,000	
		Eng - Insp	164,000	
		Construction	4,428,900	
		Contingency	442,890	
TOTAL	\$5,285,290	TOTAL	\$5,285,290	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	March 20, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	October 31, 2025		
DEBT PER CUSTOMER	Existing	\$5,397		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,428	\$32.15 (for 4,000 gallons)	
	Additional	0	\$32.15 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	3,963,599	1,362,274	2,601,325	2.9
Audited 2022	4,188,563	1,822,322	2,366,241	2.3
Audited 2023	3,230,253	1,505,272	1,724,981	2.1

Scoring		Rubrick		Metrics		
CITY OF MOREHEAD						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$45,746	State MHI \$60,183	Percentage 76.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.91	2022 DCR 2.30	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 0.00	2022 APT 0.00	2023 APT 0.00
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 61.12	2022 ARD 61.75	2023 ARD 52.42
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		31				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054A	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199151	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
This project includes the construction of a new 250,000 Gallon elevated water storage tank to replace the old 50,000 gallon water to storage tank, which will improve the capacity and service to the area, any necessary upgrades at the existing Sandy Gap Pump Station and all necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,905,000	Administrative Expenses	\$10,000	
		Legal Expenses	15,000	
		Eng - Design / Const	123,800	
		Eng - Insp	76,500	
		Construction	1,500,000	
		Contingency	149,700	
		Other	30,000	
TOTAL	<u>\$1,905,000</u>	TOTAL	<u>\$1,905,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054B	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199153	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
<p>The project consist of the following: 5,400 L.F. of existing 6" waterline replacement with 8" D.I. waterline along US 27 and 3,100 L.F. of existing 6" waterline replacement with 8" PVC waterline along Heather Way and all necessary appurtenances.</p> <p>If funds remain at project completion, the following additional waterlines will be constructed; 800 L.F. of existing 4" and 6" waterline replacement with 8" PVC waterline along KY 769, 2,800 L.F. of 4" PVC waterline extension along Mayfield School Road, 300 L.F. of 4" PVC waterline extension along Mark Welborn Road, and 2,600 L.F. of 3" PVC waterline extension along Broyles Road, and all necessary appurtenances.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$848,000	Eng - Design / Const	61,500	
Funding Source 2	457,823	Eng - Insp	42,500	
		Construction	1,086,919	
		Contingency	114,904	
TOTAL	<u>\$1,305,823</u>	TOTAL	<u>\$1,305,823</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054C	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199158	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
The project consists of approximately 2,000 L.F. of 3" waterline extension along Broyles Road and meter reconnects to the 6" waterline along KY 39 from Broyles Road to East Coleman Road in order to abandon the existing AC waterline.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$249,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	21,000	
		Eng - Insp	18,500	
		Construction	163,000	
		Contingency	16,500	
TOTAL	<u>\$249,000</u>	TOTAL	<u>\$249,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	5	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054D	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199159	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
The project consists of approximately 1,000 L.F. of 3" waterline replacement along White Lane and Sherry Lane, one new pressure reducing valve along US 27 and all other necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$205,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	10,000	
		Eng - Design / Const	17,800	
		Eng - Insp	16,200	
		Construction	133,000	
		Contingency	13,000	
TOTAL	<u>\$205,000</u>	TOTAL	<u>\$205,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054E	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199160	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
The project consists of approximately 4,100 L.F. of 3" waterline replacement along Dry Branch Road with 4" PVC waterline and all other necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$343,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	28,200	
		Eng - Insp	23,300	
		Construction	238,000	
		Contingency	23,500	
TOTAL	<u>\$343,000</u>	TOTAL	<u>\$343,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-054F WX21199161	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
The project consists of approximately 1,700 L.F. of 3" waterline replacement along B Goff Road, 500 L.F. of 6" waterline replacement under Pitman Creek along Cabin Hollow Road, and 250 L.F. 6" waterline replacement along Cedar Grove Road including a RxR bore replacement and all other necessary appurtenances. The project also will include meter reconnects to the 6" waterline along Rush Branch Road in order to abandon the 4" AC waterline.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$640,400	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	49,600	
		Eng - Insp	36,000	
		Construction	477,000	
		Contingency	47,800	
TOTAL	<u>\$640,400</u>	TOTAL	<u>\$640,400</u>	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 April 1, 2026 July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 7,931 0	<u>Avg. Bill</u> \$53.41 (for 4,000 gallons) \$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054G	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199162	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
The project consists of approximately 20,000 L.F. of 6" waterline replacement along KY 39 with 6" PVC waterline and all other necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,162,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	138,400	
		Eng - Insp	84,400	
		Construction	1,736,000	
		Contingency	173,200	
TOTAL	<u>\$2,162,000</u>	TOTAL	<u>\$2,162,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054H	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199163	
BORROWER	SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY			
BRIEF DESCRIPTION				
The project consists of extending approximately 2,650 L.F. of 3" PVC waterline along Malvin Hill Church Road and all necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$209,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	17,700	
		Eng - Insp	16,000	
		Construction	131,500	
		Contingency	13,800	
TOTAL	<u>\$209,000</u>	TOTAL	<u>\$209,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	10	\$53.41 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2014	
KY WWATERS FUND		KIA Loan Number	W25-147	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21011042	
BORROWER	SHARPSBURG WATER DISTRICT BATH COUNTY			
BRIEF DESCRIPTION				
The Sharpsburg Water District proposes a project to enhance water quality and operational efficiency by replacing outdated water meters and rehabilitating two aging water storage tanks.				
Meter Replacement: The district currently uses manual-read meters from three different brands, which are outdated and inaccurate. The project plans to replace approximately 1,600 customer meters with new radio-read meters compatible with updated software. This will improve billing accuracy, reduce water loss, and free up staff to focus on other essential maintenance tasks.				
Tank Rehabilitation: The project also involves rehabilitating the Reynoldsville and Whetstone water storage tanks, each with a 100,000-gallon capacity. Both tanks have deteriorating coatings that, if left unaddressed, could lead to corrosion, leaks, or structural failure. The rehabilitation will include sandblasting, repainting, and installing new equipment to improve water turnover quality, reducing the risk of stale water. Inspections will ensure that all necessary maintenance is completed.				
The Sharpsburg Water District is applying for \$1,407,000 in WWATERS funding to upgrade its water infrastructure, focusing on replacing outdated meters and rehabilitating two critical water storage tanks.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,407,000	Administrative Expenses	\$30,250	
		Legal Expenses	9,750	
		Eng - Design / Const	96,000	
		Eng - Insp	61,000	
		Equipment	1,100,000	
		Other	110,000	
TOTAL	<u>\$1,407,000</u>	TOTAL	<u>\$1,407,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC		
PROJECT SCHEDULE	Bid Opening	March 20, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$563		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,742	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	100,365	85,864	14,501	1.2
Audited 2022	78,010	85,837	(7,827)	0.9
Audited 2023	156,221	85,314	70,907	1.8

Scoring			Rubrick	Metrics		
SHARPSBURG WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,320	State MHI \$60,183	Percentage 82.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.17	2022 DCR 0.91	2023 DCR 1.83
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 7.01	2022 APT 7.51	2023 APT 8.69
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.92	2022 ARD 31.83	2023 ARD 34.92
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-101 WX21181006	
BORROWER	CITY OF CARLISLE NICHOLAS COUNTY			
BRIEF DESCRIPTION				
<p>The City of Carlisle's water distribution system is in critical need of refurbishment. The existing system, characterized by numerous small diameter water lines made of unlined cast iron pipes with leaded joints, is severely outdated and prone to corrosion and tuberculation. This deterioration has led to significantly reduced water pressure and flow, with water lines originally 8 inches in diameter now functioning as 6-, 5-, or even 4-inch lines. Similarly, 6-inch lines have been reduced to an effective diameter of 4 inches or smaller. Many of these pipes date back to 1914 and frequently experience breaks and leaks, causing periodic service outages and posing serious health hazards to the community.</p> <p>The visible signs of disturbed pavement throughout the project area highlight the frequent and costly repairs that have been necessary due to these aging water lines. The unlined cast iron mains also contribute to a high chlorine demand and the formation of disinfection by-products (DBP), leading to violations of the DBP rule. These issues not only compromise water quality but also result in excessive operation and maintenance costs, further straining the city's resources.</p> <p>Addressing these critical infrastructure challenges is imperative for the well-being of Carlisle's residents. This project will replace approximately 1,050 linear feet of 8-inch water main and 1,600 linear feet of 10-inch water main along Main Street, as well as 1,000 linear feet of 4-inch water main along Douglas Court. These upgrades will significantly enhance the reliability and capacity of the water distribution system, ensuring consistent and safe water supply to the community.</p> <p>The refurbishment of Carlisle's water distribution system is a vital project that will provide numerous benefits to the community. It will improve water quality, enhance service reliability, reduce maintenance costs, and support economic growth, ultimately contributing to a healthier and more prosperous Carlisle.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,906,653	Legal Expenses	10,000	
		Land, Easements	20,000	
		Planning	10,000	
		Eng - Design / Const	124,393	
		Eng - Insp	55,000	
		Eng - Other	26,000	
		Construction	1,510,235	
		Contingency	151,025	
TOTAL	<u>\$1,906,653</u>	TOTAL	<u>\$1,906,653</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	June 1, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$367		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,204	\$46.90 (for 4,000 gallons)	
	Additional	0	\$46.90 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	439,686	94,489	345,197	4.7
Audited 2022	(292,405)	94,586	(386,991)	-3.1
Audited 2023	132,986	90,649	42,337	1.5

Scoring		Rubrick		Metrics		
CITY OF CARLISLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,922	State MHI \$60,183	Percentage 89.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 4.65	2022 DCR -3.09	2023 DCR 1.47
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 7.19	2022 APT 4.72	2023 APT 14.63
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 25.69	2022 ARD 24.99	2023 ARD 24.32
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-032	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21183052	
BORROWER	OHIO COUNTY WATER DISTRICT OHIO COUNTY			
BRIEF DESCRIPTION				
This project includes installation of approx. 16,000 LF of new 16- inch and approx. 16,000 LF of new 12-inch PVC water transmission lines from the vicinity of the industrial Park East Tank to the HWY 69. This new transmission line would eliminate the need for the Goshen Booster pump station. This project also includes the replacement of approx. 7,500 LF of new 8-inch water main along US 62 from Goshen Church Road to Third St. in McHenry. Also, the replacement of approx. 2,000 LF of 6-inch waterline near the Echols pump station.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,196,000	Construction	\$4,822,500	
		Land, Easements	55,000	
		Eng - Design / Const	585,000	
		Eng - Other	10,000	
		Contingency	723,500	
TOTAL	<u>\$6,196,000</u>	TOTAL	<u>\$6,196,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	Sep-25		
	Construction Start	Apr-26		
	Construction Stop	Apr-27		
DEBT PER CUSTOMER	Existing	\$1,004		
RESIDENTIAL RATES	Current	<u>Users</u> 14,967	<u>Avg. Bill</u> \$47.55 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,339,793	823,102	516,691	1.6
Audited 2022	1,093,839	828,855	264,984	1.3
Audited 2023	1,457,271	976,917	480,354	1.5

Scoring		Rubrick		Metrics		
OHIO COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$55,041	State MHI \$60,183	Percentage 91.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.63	2022 DCR 1.32	2023 DCR 1.49
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.35	2022 APT 3.93	2023 APT 1.23
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 30.42	2022 ARD 30.52	2023 ARD 31.04
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-044	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21081003	
BORROWER	GRANT COUNTY SANITARY SEWER DISTRICT GRANT COUNTY			
BRIEF DESCRIPTION Construction of a 450,000 gallon per day (GPD) sequencing batch reactor (SBR) for biological treatment. Presently, there are four (4) package treatment basins. One (1) existing package treatment basin will be converted to a pre and post equalization basin to help handle peak flows to the SBR and to the disinfection system. Another existing package treatment basin will be converted to a 60,000 gallon aerobic digester. In addition, pumping systems will be installed to work with the pre and post equalization basins, and electrical,				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,645,000	Administrative Expenses	\$50,000	
Cleaner Water Grant	155,000	Legal Expenses	20,000	
		Planning	190,000	
		Eng - Design / Const	362,000	
		Eng - Insp	250,000	
	-	Construction	5,400,000	
	-	Contingency	528,000	
TOTAL	<u>\$6,800,000</u>	TOTAL	<u>\$6,800,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Engineers, LLC		
PROJECT SCHEDULE	Bid Opening	November 1, 2025		
	Construction Start	February 1, 2026		
	Construction Stop	October 1, 2027		
DEBT PER CUSTOMER	Existing	\$1,926		
RESIDENTIAL RATES	Current	<u>Users</u> 1,660	<u>Avg. Bill</u> \$47.37 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	283,446	190,870	92,576	1.5
Audited 2022	231,511	190,858	40,653	1.2
Audited 2023	263,768	96,813	166,955	2.7

Scoring			Rubrick	Metrics		
GRANT COUNTY SANITARY SEWER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$55,807	State MHI \$60,183	Percentage 92.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.49	2022 DCR 1.21	2023 DCR 2.72
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.27	2022 APT 13.72	2023 APT 16.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 12.27	2022 ARD 13.72	2023 ARD 16.45
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-058	
REVOLVING LOAN / GRANT FUND		WRIS Number	No WRIS - Non-Capital	
BORROWER	LEDBETTER WATER DISTRICT LIVINGSTON COUNTY			
BRIEF DESCRIPTION				
Funding will be used to reduce current debt (approximately \$1.1M) held by Ledbetter Water and Sewer District, therefore decreasing the financial hardship placed on the district. This debt reduction project will allow the district to complete other construction projects without raising already high rates.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,100,000	Other - Debt Repayment	1,100,000	
TOTAL	\$1,100,000	TOTAL	\$1,100,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	n/a		
PROJECT SCHEDULE	Bid Opening	n/a		
	Construction Start	n/a		
	Construction Stop	n/a		
DEBT PER CUSTOMER	Existing	\$969		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,251	\$80.32 (for 4,000 gallons)	
	Additional	0	\$80.32 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	324,412	190,864	133,548	1.7
Audited 2022	255,022	316,777	(61,755)	0.8
Audited 2023	170,137	160,391	9,746	1.1

Scoring			Rubrick	Metrics		
LEDBETTER WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$68,430	State MHI \$60,183	Percentage 113.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.70	2022 DCR 0.81	2023 DCR 1.06
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.97	2022 APT 3.35	2023 APT 6.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.87	2022 ARD 28.21	2023 ARD 27.00
8	NOV or Agreed Order	10	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	10	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-060	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21139035	
BORROWER	LEDBETTER WATER DISTRICT LIVINGSTON COUNTY			
BRIEF DESCRIPTION				
The project will add on a new water treatment plant to operate with the existing plant. Upgrades will be made to electrical panels as well as add a booster pump in the system to increase pressure in low pressure areas and these upgrades will include VFD's and other energy efficient components. The goal is to upgrade the system so it can be of more assistance to adjacent systems in times of emergency or as needed. This project will also add a new well to the plant for future use.				
The Water District currently is operating off of 1 good well source. Their backup well is operational, but includes elevated levels of iron, and is only used as a backup source. The proposed booster pump station will provide increased levels of service to the district's customers on the east end of the service area during low flow and loss of service from Crittenden-Livingston Water District.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,337,860	Administrative Expenses	\$10,000	
		Planning	3,000	
		Eng - Design / Const	176,559	
		Eng - Insp	86,167	
		Construction	1,758,500	
		Contingency	303,634	
TOTAL	<u>\$2,337,860</u>	TOTAL	<u>\$2,337,860</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Rivercrest Engineering Inc.		
PROJECT SCHEDULE	Bid Opening	October 30, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	June 30, 2027		
DEBT PER CUSTOMER	Existing	\$3,973		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,251	\$80.32 (for 4,000 gallons)	
	Additional	0	\$80.32 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	324,412	190,864	133,548	1.7
Audited 2022	255,022	316,777	(61,755)	0.8
Audited 2023	170,137	160,391	9,746	1.1

Scoring		Rubrick		Metrics		
LEDBETTER WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$68,430	State MHI \$60,183	Percentage 113.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.70	2022 DCR 0.81	2023 DCR 1.06
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.97	2022 APT 3.35	2023 APT 6.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.87	2022 ARD 28.21	2023 ARD 27.00
8	NOV or Agreed Order	10	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	10	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-039 WX21225065	
BORROWER	CITY OF MORGANFIELD UNION COUNTY			
BRIEF DESCRIPTION				
Installation of Chemical Storage and Feeder System at Morganfield WTP. Project will involve the installation two new bulk tanks, one day chemical feed pump and associated piping and appurtenances for the City's proposed sodium hydroxide (caustic) feed system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$485,000	Administrative Expenses	\$20,000	
		Legal Expenses	10,000	
		Planning	20,000	
		Eng - Design / Const	45,000	
		Eng - Insp	30,000	
		Eng - Other	10,000	
		Construction	300,000	
		Contingency	50,000	
TOTAL	\$485,000	TOTAL	\$485,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2025 January 1, 2026 July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,015		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 4,701 0	<u>Avg. Bill</u> \$27.47 (for 4,000 gallons) \$27.47 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	815,190	331,989	483,201	2.5
Audited 2022	445,913	331,769	114,144	1.3
Audited 2023	543,505	330,615	212,890	1.6

Scoring		Rubrick		Metrics		
CITY OF MORGANFIELD						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,047	State MHI \$60,183	Percentage 96.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.46	2022 DCR 1.34	2023 DCR 1.64
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 0.00	2022 APT 0.00	2023 APT 0.00
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 4.94	2022 ARD 5.28	2023 ARD 4.74
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-031	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21059112	
BORROWER	OWENSBORO MUNICIPAL UTILITIES DAVISS COUNTY			
BRIEF DESCRIPTION				
The objective of this project is to replace our approximate 26,000 water meters with an Advanced Metering Infrastructure (AMI) water solution.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,000,000	Equipment	\$5,000,000	
TOTAL	\$5,000,000	TOTAL	\$5,000,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Owensboror Municipal Utilites		
PROJECT SCHEDULE	Bid Opening	May 21, 2025		
	Construction Start	November 1, 2025		
	Construction Stop	December 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,263		
RESIDENTIAL RATES	Current	<u>Users</u> 61,051	<u>Avg. Bill</u> \$22.56 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,281,613	4,599,839	2,681,774	1.6
Audited 2022	7,026,206	4,596,672	2,429,534	1.5
Audited 2023	7,078,701	4,599,787	2,478,914	1.5

Scoring			Rubrick	Metrics		
OWENSBORO MUNICIPAL UTILITIES						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$52,897	State MHI \$60,183	Percentage 87.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.58	2022 DCR 1.53	2023 DCR 1.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.21	2022 APT 3.61	2023 APT 10.39
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 78.30	2022 ARD 76.75	2023 ARD 68.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-007	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199156	
BORROWER	WESTERN PULASKI COUNTY WATER DISTRICT PULASKI COUNTY			
BRIEF DESCRIPTION				
THE PROPOSED PROJECT CONSISTS OF INSTALLING APPROXIMATELY 42,000 LF OF 12-INCH DUCTILE IRON WATER TRANSMISSION MAIN ALONG KENTUCKY HIGHWAY 80 AND KENTUCKY HIGHWAY 196 FROM THE NANCY, KENTUCKY AREA TO THE FAUBUSH, KENTUCKY AREA IN PULASKI COUNTY, KENTUCKY. The water transmission main will serve to transmit a large flow demand to Faubush, Kentucky area in western Pulaski County, This will allow a needed volume of flow to the western portion of the system served by the Lees Ford Pump Station.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,195,000	Administrative Expenses	\$7,500	
		Legal Expenses	7,500	
		Eng - Design / Const	430,000	
		Eng - Insp	212,000	
		Eng - Other	25,000	
		Construction	5,920,500	
		Contingency	592,500	
TOTAL	<u>\$7,195,000</u>	TOTAL	<u>\$7,195,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MONARCH ENGINEERING, INC.		
PROJECT SCHEDULE	Bid Opening	Nov-25		
	Construction Start	Dec-25		
	Construction Stop	Jul-26		
DEBT PER CUSTOMER	Existing	\$2,481		
	Proposed	\$0		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u> 5,520	<u>Avg. Bill</u> \$36.51 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,045,714	700,196	345,518	1.5
Audited 2022	707,942	494,340	213,602	1.4
Audited 2023	1,215,014	867,562	347,452	1.4

Scoring			Rubrick	Metrics		
WESTERN PULASKI COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$55,246	State MHI \$60,183	Percentage 91.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.49	2022 DCR 1.43	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.26	2022 APT 5.20	2023 APT 5.96
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 39.64	2022 ARD 38.58	2023 ARD 40.43
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		26				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-024	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21073087	
BORROWER	FARMDALE SANITATION DISTRICT FRANKLIN COUNTY			
BRIEF DESCRIPTION The Farmdale Sanitation District has acquired ownership of seven (7) previously private wastewater systems that had a long history of poor performance, compliance issues and violations. In an effort to provide customers with safe and reliable sanitary sewer service, Farmdale proposes to design and construct an interceptor sewer system that is intended to eliminate six (6) of the outdated and potentially failing package WWTPs and collect the wastewater flow from those subdivisions down to a single large pump station which will then convey the sewer flow to the City of Frankfort's wastewater system for treatment. The package WWTP's to be eliminated serve the Coolbrook, Edgewood, Farmdale, Farmgate, Meadowbrook and Edgewood Subdivisions. In total, this project will benefit approximately 834 customers. The project includes approximately 13,800 LF of gravity sewer, 38,000 LF of force main, four pump stations, and a 2,000,000 million gallon wet weather detention basin, as well as the decommissioning of six (6) package WWTPs.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$8,000,000	Administrative Expenses	\$20,000	
		Construction	7,665,000	
		Contingency	315,000	
TOTAL	<u>\$8,000,000</u>	TOTAL	<u>\$8,000,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers		
PROJECT SCHEDULE	Bid Opening	Dec-24		
	Construction Start	Feb-25		
	Construction Stop	Jun-26		
DEBT PER CUSTOMER	Existing	\$334		
	Proposed	\$0		
RESIDENTIAL RATES				
	Current	<u>Users</u> 834	<u>Avg. Bill</u> \$59.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	47,352	8,079	39,273	5.9
Audited 2022	(167,770)	0	(167,770)	n/a
Audited 2023	65,542	8,958	56,584	7.3

Scoring			Rubrick	Metrics		
FARMDALE SANITATION DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$71,537	State MHI \$60,183	Percentage 118.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 5.86	2022 DCR NA	2023 DCR 7.32
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.03	2022 APT 8.86	2023 APT 15.72
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 93.36	2022 ARD 93.28	2023 ARD 96.56
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-103 SX21011002	
BORROWER	CITY OF OWINGSVILLE BATH COUNTY			
BRIEF DESCRIPTION				
<p>The City of Owingsville is applying for \$200,000 from WWATERS to upgrade the disinfection system at the Owingsville Lagoon Wastewater Treatment Plant (WWTP) by converting from chlorine disinfection to peracetic acid (PAA). This transition aims to eliminate chlorinated compounds and harmful disinfection by-products (DBPs) from the Lagoon System's outfall discharge. Peracetic acid offers a safer and more manageable disinfection process compared to chlorine, with the added benefit of longer storage stability.</p> <p>Additionally, the City plans to install a valve and sewer line to split the sewer flow from its customers between the City of Owingsville Sewage Treatment Plant (STP) and the Bath County Industrial Park System (Kendill Springs STP). The Lagoon System is currently operating at full capacity, while the Kendill Springs Treatment Plant has the available capacity to handle additional flow.</p> <p>The project will also involve the setup and installation of a PAA tote for secondary disinfection, supplementing the existing UV system. If the PAA proves effective in eliminating E. coli, it will be introduced to the equalization basin with a variable flow rate. During any plant upsets, the PAA pump will be adjusted to ensure E. coli levels are kept well below the daily limit.</p> <p>This proposed project will improve water quality for the 706 connections within the system's serviceable area, representing approximately 100% of the serviceable connections.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$200,000	Administrative Expenses	\$1,148	
		Eng - Design / Const	5,000	
		Construction	193,852	
TOTAL	\$200,000	TOTAL	\$200,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 20, 2025 July 1, 2025 December 31, 2025		
DEBT PER CUSTOMER	Existing	\$2,100		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 701 0	<u>Avg. Bill</u> \$28.78 (for 4,000 gallons) \$28.78 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	193,755	144,109	49,646	1.3
Audited 2022	225,868	146,116	79,752	1.5
Audited 2023	164,616	145,584	19,032	1.1

Scoring		Rubrick		Metrics		
CITY OF OWINGSVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,732	State MHI \$60,183	Percentage 69.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.34	2022 DCR 1.55	2023 DCR 1.13
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.08	2022 APT 11.53	2023 APT 10.15
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 55.58	2022 ARD 36.83	2023 ARD 37.80
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		25				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-015	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21161054	
BORROWER	CITY OF MAYSVILLE MASON COUNTY			
BRIEF DESCRIPTION The proposed project will construct approximately 30,000 LF of new 8-inch water distribution main from Maysville to Mayslick along US Highway 68. The new water main will be interconnected to the existing water distribution system near Mayslick at KY highway 324. A new water booster pump station will be constructed near the intersection of US Highway 68 and KY Highway 3071. This booster pump station will provide water to the Mayslick area.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,323,010	Administrative Expenses	\$60,000	
		Planning	16,000	
		Eng - Design / Const	264,630	
		Eng - Insp	142,880	
		Construction	3,454,400	
		Contingency	345,600	
TOTAL	<u>\$4,323,010</u>	TOTAL	<u>\$4,283,510</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates, Incorporated		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$15,846		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	663	\$38.60 (for 4,000 gallons)	
	Additional	0	\$38.60 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	974,673	766,002	208,671	1.3
Audited 2022	686,898	832,103	(145,205)	0.8
Audited 2023	859,382	831,986	27,396	1.0

Scoring		Rubrick		Metrics		
CITY OF MAYSVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,262	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.27	2022 DCR 0.83	2023 DCR 1.03
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.16	2022 APT 21.17	2023 APT 9.37
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.54	2022 ARD 28.32	2023 ARD 30.05
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-111	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21175064	
BORROWER	CITY OF WEST LIBERTY MORGAN COUNTY			
BRIEF DESCRIPTION				
<p>The City of West Liberty water system is set to replace two aging pumps, each 29 years old, that are critical to maintaining water supply for the region. These pumps, currently showing signs of failure, were originally designed to operate at a flow rate of 1,400 gallons per minute (GPM) but have degraded to 1,050 GPM. This reduction in capacity poses significant risks, including potential water supply interruptions and increased operational costs due to emergency repairs and higher energy consumption.</p> <p>West Liberty provides water to the Morgan County Water District through its West Liberty Water Treatment Plant (WTP), which has a design capacity of 2.0 million gallons per day (MGD) but an average daily production of 1.126 MGD. The current condition of the pumps threatens the plant's ability to meet peak demand, potentially resulting in low water pressure or outages, and emphasizes the need for immediate corrective action.</p> <p>West Liberty is applying for \$700,000 of WWATERS funding to replace the water intake pumps.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$700,000	Administrative Expenses	\$15,000	
		Construction	100,000	
		Equipment	500,000	
		Other	85,000	
TOTAL	<u>\$700,000</u>	TOTAL	<u>\$700,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	June 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	March 31, 2026		
DEBT PER CUSTOMER	Existing	\$4,748		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	842	\$46.00 (for 4,000 gallons)	
	Additional	0	\$46.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	426,559	339,291	87,268	1.3
Audited 2023	503,799	342,617	161,182	1.5
Audited 2024	184,164	334,231	(150,067)	0.6

Scoring		Rubrick		Metrics		
CITY OF WEST LIBERTY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,044	State MHI \$60,183	Percentage 79.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2022 DCR 1.26	2023 DCR 1.47	2024 DCR 0.55
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT 4.35	2023 APT 5.94	2024 APT 2.49
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 27.91	2023 ARD 34.92	2024 ARD 34.55
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-038	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21101141	
BORROWER	HENDERSON COUNTY WATER DISTRICT HENDERSON COUNTY			
BRIEF DESCRIPTION				
<p>This project proposes to address aging infrastructure and outdated equipment in order to reduce water loss. Project consists of replacing old meters with new ultrasonic meters to capture low-flow conditions, placing those new meters on cellular based AMI, installing new valves to be able to isolate zones, replacing old and or inoperable valves for the purpose of isolating zones based on purchase points, purchasing and installing pressure sensors and flow meters at strategic locations and connecting those to SCADA, SCADA upgrades, purchasing valve exercising equipment, installing zonal & sub zone meters.</p> <p>Water loss causes significant financial loss for the Henderson County Water District. Without reducing the amount of non-revenue water, the District will continue to experience further financial difficulty. Upgrading operational equipment will allow better detection and the location of leaks so they can be repaired, as well as the data collection and analysis of water loss in the distribution system. This project is needed to identify future projects to be constructed in order to satisfy the PSC mandate to reduce water loss.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,125,000	Administrative Expenses	\$25,000	
		Legal Expenses	25,000	
		Eng - Design / Const	78,000	
		Eng - Insp	50,500	
		Construction	860,000	
		Contingency	86,500	
TOTAL	<u>\$1,125,000</u>	TOTAL	<u>\$1,125,000</u>	
REPAYMENT	Rate	1.75%	Est. Annual Payment	\$48,361
	Term	30 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
PROJECT SCHEDULE	Bid Opening	Sep-25		
	Construction Start	Nov-25		
	Construction Stop	Sep-26		
DEBT PER CUSTOMER	Existing	\$414		
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	6,467	\$0.00	(for 4,000 gallons)
	Additional	0	\$0.00	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	792,040	588,885	203,155	1.3
Audited 2022	436,112	453,767	(17,655)	1.0
Audited 2023	420,860	517,618	(96,758)	0.8

Scoring			Rubrick	Metrics		
HENDERSON COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$67,407	State MHI \$60,183	Percentage 112.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.34	2022 DCR 0.96	2023 DCR 0.81
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.97	2022 APT 1.67	2023 APT 2.22
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 53.49	2022 ARD 57.82	2023 ARD 57.30
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-096	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21061037	
BORROWER	EDMONSON COUNTY WATER DISTRICT EDMONSON COUNTY			
BRIEF DESCRIPTION				
This project consists of rehabilitation of three tanks in the Edmonson County Water District system. Two Steel tanks - The Peonia 75 & Peonia 85 tanks - will each get interior blasting and coating. The steel tanks will also get an exterior coating, and each will get a new mixing system, along with miscellaneous improvements. These steel tanks are over 35 years old and will need to be tested for lead and may need abatement and containment. The project will also include rehab for the Kessinger glass tank that will get power wash cleaning, mastic coating of all seams and bolts, a repaired float, new sacrificial anodes, and a new mixing system, along with miscellaneous improvements.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$860,000	Administrative Expenses	\$8,000	
		Legal Expenses	1,000	
		Planning	7,000	
		Eng - Design / Const	61,500	
		Eng - Insp	46,000	
		Construction	665,000	
		Contingency	66,500	
		Other	5,000	
TOTAL	\$860,000	TOTAL	\$860,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB		
PROJECT SCHEDULE	Bid Opening	November 1, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$923		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	11,281	\$32.70 (for 4,000 gallons)	
	Additional	0	\$32.70 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,590,766	890,480	700,286	1.8
Audited 2022	1,391,124	900,853	490,271	1.5
Audited 2023	1,161,172	831,106	330,066	1.4

Scoring			Rubrick	Metrics		
EDMONSON COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,748	State MHI \$60,183	Percentage 84.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.79	2022 DCR 1.54	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.14	2022 APT 25.47	2023 APT 4.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 11.99	2022 ARD 10.21	2023 ARD 14.10
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-096	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21061038	
BORROWER	EDMONSON COUNTY WATER DISTRICT EDMONSON COUNTY			
BRIEF DESCRIPTION				
Install zone meters to better be able to determine specific areas of the distribution system experiencing high water loss. Also install main line pressure regulators to lesson main line pressure increasing the reliability of the infrastructure. There are several ares of our system that have pressures in excess of 150 psi. This excess pressure causes undo stress on the system that can be eliminated with main line PRV's. Update billing software to enable the system to be able to identify usage by zones. The current software does not have the ability to break our usage by zones or areas do to no identifying characteristics in the account numbers to tie gallons used to a specific location in the system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$981,154	Administrative Expenses	\$75,000	
		Eng - Design / Const	84,140	
		Construction	726,000	
		Equipment	25,000	
		Contingency	71,014	
TOTAL	<u>\$981,154</u>	TOTAL	<u>\$981,154</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB		
PROJECT SCHEDULE	Bid Opening	February 1, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	December 1, 2025		
DEBT PER CUSTOMER	Existing	\$923		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	11,281	\$32.70 (for 4,000 gallons)	
	Additional	0	\$32.70 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,590,766	890,480	700,286	1.8
Audited 2022	1,391,124	900,853	490,271	1.5
Audited 2023	1,161,172	831,106	330,066	1.4

Scoring		Rubrick		Metrics		
EDMONSON COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,748	State MHI \$60,183	Percentage 84.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.79	2022 DCR 1.54	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.14	2022 APT 25.47	2023 APT 4.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 11.99	2022 ARD 10.21	2023 ARD 14.10
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	Sandy Williams	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 14, 2024	
KY WWATERS FUND		KIA Loan Number	W25-017	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21125044	
BORROWER	LONDON UTILITY COMMISSION LAUREL COUNTY			
BRIEF DESCRIPTION				
This project will replace both 500 HP raw water pumps and motors, as well as electrical equipment at the Laurel River Lake Raw Water Intake. This project will add a backup diesel generator and increase the reliability of the overall pump station with other various improvements such as power supply, gates, and automation. The raw water intake pumps and motors are old and beginning to show signs of wear and aging. This pump station serves as LUC's key source of raw water and is critical to the operation of the drinking water system. Repairs and maintenance of this system is becoming more and more frequent. These improvements will provide a more stable overall system as well as save energy and provide a backup power source.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,550,000	Eng - Design / Const	130,000	
		Eng - Insp	80,000	
		Eng - Other	40,000	
		Construction	2,300,000	
TOTAL	<u>\$2,550,000</u>	TOTAL	<u>\$2,550,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening	March 28, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	September 1, 2025		
DEBT PER CUSTOMER	Existing	\$2,884		
	Proposed	\$0		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	4,548	\$33.70 (for 4,000 gallons)	
	Additional	0	\$33.70 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,875,837	769,025	1,106,812	2.4
Audited 2022	2,190,793	769,194	1,421,599	2.8
Audited 2023	2,563,043	768,372	1,794,671	3.3

Scoring			Rubrick	Metrics		
LONDON UTILITY COMMISSION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,865	State MHI \$60,183	Percentage 86.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.44	2022 DCR 2.85	2023 DCR 3.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.57	2022 APT 1.77	2023 APT 1.68
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 63.58	2022 ARD 58.05	2023 ARD 60.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-098	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21011016	
BORROWER	BATH COUNTY WATER DISTRICT BATH COUNTY			
BRIEF DESCRIPTION This project proposes to purchase and install two permanent 150 kW generators at two of the main pump stations (Owingsville and Midland). These generators will keep the system functional during power outages, ensuring continuous service for both residential and wholesale customers. The project also includes constructing chain-link fencing around five pump stations and one water tank (Salt Lick tank). Additionally, the project proposes adding two small generators at the Dickerson Hill and White Oak pump stations.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$333,500	Administrative Expenses	\$5,500	
		Legal Expenses	5,000	
		Land, Easements	11,000	
		Planning	20,000	
		Eng - Design / Const	31,000	
		Eng - Insp	21,000	
		Construction	200,000	
		Contingency	20,000	
		Other	20,000	
TOTAL	<u>\$333,500</u>	TOTAL	<u>\$333,500</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	May 25, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$252		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	4,100	\$31.24 (for 4,000 gallons)	
	Additional	0	\$31.24 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	322,727	100,647	222,080	3.2
Audited 2022	199,917	75,509	124,408	2.6
Audited 2023	206,090	47,966	158,124	4.3

Scoring			Rubrick	Metrics		
BATH COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,926	State MHI \$60,183	Percentage 86.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 3.21	2022 DCR 2.65	2023 DCR 4.30
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.25	2022 APT 10.21	2023 APT 5.23
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 50.27	2022 ARD 50.64	2023 ARD 37.43
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-020	
REVOLVING LOAN / GRANT FUND		WRIS Number	sx21145036	
BORROWER	PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (JSA) MCCRACKEN COUNTY			
BRIEF DESCRIPTION Project is to upgrade the Woodlawn WWTP by modifying the existing effluent pumps as a feed system to a new dissolved air flotation (DAF) system, a new building to house the DAF system with dumpster pad for dewatering solids, new chemical phosphorus removal feed equipment, new disinfection system and a new effluent pump station to connect to the existing 12 inch force main and related site, mechanical and electrical work to increase design flow from 0.9 MGD to 1.35 MGD. The existing lagoon system is a facultative lagoon and suffers from algae concentration in the effluent samples, which affect effluent BOD5 and TSS quality.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,060,000	Administrative Expenses	\$0	
		Legal Expenses	5,000	
		Planning	15,000	
		Eng - Design / Const	390,000	
		Eng - Insp	150,000	
		Construction	6,000,000	
		Contingency	500,000	
TOTAL	<u>\$7,060,000</u>	TOTAL	<u>\$7,060,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates		
PROJECT SCHEDULE	Bid Opening	September 19, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	May 22, 2027		
DEBT PER CUSTOMER	Existing			
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	14,772	\$27.32 (for 4,000 gallons)	
	Additional	0	\$27.32 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	5,505,747	2,208,556	3,297,191	2.5
Audited 2022	5,401,365	1,344,156	4,057,209	4.0
Audited 2023	6,056,369	2,435,793	3,620,576	2.5

Scoring		Rubrick		Metrics		
PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (JSA)						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$52,586	State MHI \$60,183	Percentage 87.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.49	2022 DCR 4.02	2023 DCR 2.49
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.12	2022 APT 3.85	2023 APT 6.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 20.47	2022 ARD 20.46	2023 ARD 20.31
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-034 SX21217018	
BORROWER	CITY OF CAMPBELLSVILLE TAYLOR COUNTY			
BRIEF DESCRIPTION				
This project will provide much needed improvements for the Campbellsville Wastewater Treatment Plant. Improvements include replacing mechanical equipment of final clarifiers, replacing four aerators on oxidation ditches with VFD/smart control, replacing four brush aerators for oxidation ditch #1/EQ, repairing concrete basin leaks on oxidation ditch #1 wall and splitter box #1 wall, and replacing influent mechanical bar screens and panel. This project will not modify the treatment process and will not modify the treatment capacity of the plant.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,313,000	Administrative Expenses	\$10,000	
		Planning	5,000	
		Eng - Design / Const	348,000	
		Eng - Insp	230,000	
		Construction	5,200,000	
		Contingency	520,000	
TOTAL	<u>\$6,313,000</u>	TOTAL	<u>\$6,313,000</u>	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 15, 2025 September 1, 2025 December 31, 2026		
DEBT PER CUSTOMER	Existing	\$3,375		
RESIDENTIAL RATES	Current Additional	<u>Users</u> 4,727 0	<u>Avg. Bill</u> \$30.54 (for 4,000 gallons) \$30.54 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,566,572	801,759	764,813	2.0
Audited 2022	2,066,413	1,043,783	1,022,630	2.0
Audited 2023	2,978,136	1,304,945	1,673,191	2.3

Scoring		Rubrick		Metrics		
CITY OF CAMPBELLSVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$54,793	State MHI \$60,183	Percentage 91.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.95	2022 DCR 1.98	2023 DCR 2.28
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.03	2022 APT 1.43	2023 APT 1.54
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 26.90	2022 ARD 25.20	2023 ARD 26.30
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-049	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21059074	
BORROWER	REGIONAL WATER RESOURCE AGENCY DAVISS COUNTY			
BRIEF DESCRIPTION				
<p>This project will replace or rehabilitate 11,000 LF of 30-inch force main that was installed in 1955 and is past the end of its usable life. This force main connects the Locust and Dublin Pump Stations to the Max Rhoads Waste Water Treatment Plant. This force main serves approximately 6,374 parcels, which include residential, commercial, and industrial customers. Additionally, this portion of the system is a combined sewer system and conveys 1,544 acres of storm water run off.</p> <p>This force main is at the end of its useful life and in need of repair due to I&I issues and general long term maintenance issues.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,424,000	Administrative Expenses	\$3,000	
		Eng - Design / Const	6,000	
		Eng - Insp	15,000	
		Construction	12,000,000	
		Contingency	400,000	
TOTAL	<u>\$12,424,000</u>	TOTAL	<u>\$12,424,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Regional Water Resource Agency		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	January 1, 2026		
	Construction Stop	November 1, 2026		
DEBT PER CUSTOMER	Existing	\$502,245		
RESIDENTIAL RATES				
	Current	<u>Users</u> 1,116	<u>Avg. Bill</u> \$56.47 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	11,080,653	4,023,314	7,057,339	2.8
Audited 2022	9,410,967	4,414,533	4,996,434	2.1
Audited 2023	12,438,294	8,324,718	4,113,576	1.5

Scoring			Rubrick	Metrics		
REGIONAL WATER RESOURCE AGENCY						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$64,238	State MHI \$60,183	Percentage 106.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.75	2022 DCR 2.13	2023 DCR 1.49
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.98	2022 APT 10.49	2023 APT 4.40
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.67	2022 ARD 21.17	2023 ARD 14.81
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-022	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21009047	
BORROWER	GLASGOW WATER COMPANY BARREN COUNTY			
BRIEF DESCRIPTION				
<p>The Glasgow Water and Sewer Commission (GWC) is proposing to upgrade the Lucas WTP on Barren River Lake Reservoir from 12 MGD to 18 MGD. The expansion will be configured with a footprint to allow an additional 6 MGD at some point in the future to make the plant 24 MGD when needed. The plant expansion design will maintain conventional treatment process philosophy, which will include the addition of raw water pumps, a filter building, chemical building, sedimentation basins, and clearwell capacity. In addition to the WTP expansion, this project would include a 16" dual transmission main from the water plant to the point of deliver to better serve Fountain Run and Allen County. The GWC is a regional wholesaler, and this project will help meet the demands of neighboring water systems including Allen County Water District, Fountain Run Water District, Green River Valley Water District, Caveland Environmental Authority, and the City of Edmonton.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$ 52,700,000	Eng - Design / Const	\$ 2,600,000	
		Eng - Insp	2,100,000	
		Construction	45,000,000	
		Contingency	3,000,000	
TOTAL	\$ 52,700,000	TOTAL	\$ 52,700,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Canon & Canon		
PROJECT SCHEDULE	Bid Opening	June 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	August 1, 2026		
DEBT PER CUSTOMER	Existing	\$460,720		
RESIDENTIAL RATES	Current	<u>Users</u> 18,189	<u>Avg. Bill</u> \$17.76 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	2,799,709	1,441,751	1,357,958	1.9
Audited 2022	2,158,804	1,436,046	722,758	1.5
Audited 2023	2,318,043	1,434,810	883,233	1.6

Scoring		Rubrick		Metrics		
GLASGOW WATER COMPANY						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,969	State MHI \$60,183	Percentage 84.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.4%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.94	2022 DCR 1.50	2023 DCR 1.62
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.62	2022 APT 3.03	2023 APT 2.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 19.74	2022 ARD 20.16	2023 ARD 21.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	0	if yes, 10 points			No
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-086	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21229029	
BORROWER	CITY OF SPRINGFIELD WASHINGTON COUNTY			
BRIEF DESCRIPTION				
<p>To account for the extreme growth currently being seen in the industrial park, Springfield Water and Sewer Commission is planning to create a new pressure zone in the Industrial Park. The existing industrial park water tank will be taken off the City Pressure Zone and will be re-purposed to solely supply a new pressure zone. This need is driven by the future demand needs within the industrial park. An additional 500,000 gallon water tank will be installed within the City Zone to ensure proper supply is available to feed the rest of the City Zone.</p> <p>As part of the project, a constant-pressure booster pump station inside of the Industrial Park will sustain pressure in the new pressure zone to meet the demands. In addition, approximately 8,500 linear feet of 8-inch water line and 4,500 linear feet of 12-inch water line will be installed to create the needed infrastructure for the new pressure zone.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,876,500	Administrative Expenses	\$50,000	
		Legal Expenses	30,000	
		Land, Easements	20,000	
		Planning	83,000	
		Eng - Design / Const	268,000	
		Eng - Insp	144,000	
		Eng - Other	42,500	
		Construction	3,840,000	
		Contingency	399,000	
TOTAL	<u>\$4,876,500</u>	TOTAL	<u>\$4,876,500</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	Dec-25		
	Construction Start	Mar-26		
	Construction Stop	Mar-27		
DEBT PER CUSTOMER	Existing	\$20,861		
	Proposed	\$0		
RESIDENTIAL RATES	Current	<u>Users</u> 5,084	<u>Avg. Bill</u> \$51.96 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,302,150	806,799	495,351	1.6
Audited 2022	1,431,689	903,538	528,151	1.6
Audited 2023	1,223,023	998,061	224,962	1.2

Scoring			Rubrick	Metrics		
CITY OF SPRINGFIELD						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$63,910	State MHI \$60,183	Percentage 106.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.61	2022 DCR 1.58	2023 DCR 1.23
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.00	2022 APT 1.60	2023 APT 1.04
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 5.45	2022 ARD 4.43	2023 ARD 3.78
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-087	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21229030	
BORROWER	CITY OF SPRINGFIELD WASHINGTON COUNTY			
BRIEF DESCRIPTION				
Replace all existing traditional water meters (approx. 3,000 meters left to replace) with new, more accurate AMR or AMI/Smart Meter radio-read type water meters to help reduce non-revenue water. Additionally, labor efficiencies will be enhanced with the installation of electronic endpoints at each meter location. This will result in customer usage gathering in a more time, safer manner. Also, the project will include the assessment and mitigation of potential water quality issues throughout the distribution system with the installation of check valves and back flow prevention devices on susceptible customer connections.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,174,000	Administrative Expenses	\$0	
		Land, Easements	15,000	
		Eng - Design / Const	27,500	
		Eng - Insp	11,500	
		Eng - Other	20,000	
		Construction	400,000	
		Equipment	1,700,000	
TOTAL	\$2,174,000	TOTAL	\$2,174,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	Feb-25		
	Construction Start	Apr-25		
	Construction Stop	Jan-26		
DEBT PER CUSTOMER	Existing	\$20,861		
	Proposed	\$0		
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		5,084	\$51.96	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,302,150	806,799	495,351	1.6
Audited 2022	1,431,689	903,538	528,151	1.6
Audited 2023	1,223,023	998,061	224,962	1.2

Scoring			Rubrick	Metrics		
CITY OF SPRINGFIELD						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$63,910	State MHI \$60,183	Percentage 106.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.00	2022 DCR 0.00	2023 DCR 0.00
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.00	2022 APT 1.60	2023 APT 1.04
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 5.45	2022 ARD 4.43	2023 ARD 3.78
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-51	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21177035	
BORROWER	GREENVILLE UTILITIES COMMISSION MUHLENBERG COUNTY			
BRIEF DESCRIPTION				
The City of Greenville operates a 1.51 MGD wastewater treatment plant (WWTP) with a collection system consisting of fourteen (14) lift stations and approximately 319,000 linear feet of 2-inch to 18-inch sanitary sewer piping. The WWTP is in need of upgrade and repairs. The City is pursuing construction of a new 2.96 MGD WWTP complete with new headworks with influent screening, modifications to existing aeration lagoons, modifications to existing clarifiers, upgraded PAA system for disinfection, new outfall lift station, and new sludge dewatering bagging system.				
The WWTP is an extended aeration basin treatment facility consisting of one (1) mechanical cylindrical screen, two (2) aeration basins, two (2) clarifiers, a peracetic acid (PAA) contact tank, one (1) waste sludge storage lagoon, and a sludge dewatering belt press. The original WWTP was constructed in 1987, with two major rehabilitation / upgrade projects occurring in 2001 and 2012.				
A majority of the WWTP equipment is 20+ years old and in need of replacement. The WWTP components do not have the				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,673,000	Administrative Expenses	\$40,000	
		Eng - Design / Const	1,073,000	
		Eng - Insp	360,000	
		Eng - Other	235,000	
		Construction	10,449,000	
		Other	516,000	
TOTAL	\$12,673,000	TOTAL	\$12,673,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	September 30, 2025		
	Construction Start	November 1, 2025		
	Construction Stop	October 31, 2027		
DEBT PER CUSTOMER	Existing	\$19,756		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,046	attached (for 4,000 gallons)	
	Additional	0	attached (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	799,783	648,713	151,070	1.2
Audited 2022	1,103,144	648,410	454,734	1.7
Audited 2023	1,069,464	637,891	431,573	1.7

Scoring			Rubrick	Metrics		
GREENVILLE UTILITIES COMMISSION						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$67,822	State MHI \$60,183	Percentage 112.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.23	2022 DCR 1.70	2023 DCR 1.68
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.60	2022 APT 6.88	2023 APT 8.57
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 29.50	2022 ARD 45.06	2023 ARD 45.74
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-045	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21117020	
BORROWER	SANITATION DISTRICT #1 OF NORTHERN KENTUCKY KENTON COUNTY			
BRIEF DESCRIPTION				
<p>The KY-17 Corridor Tunnel project involves a new gravity sewer that will convey flow from the intersection of Howard Litzler Road and KY-17 (collecting flow from existing MH-1950092) south to existing MH-1990110 near the Lakeview Pump Station, allowing for the abandonment of existing sewers in the unstable banks of Banklick Creek. The proposed ~7,400 linear foot (LF) sewer will be installed by tunneling and will have a carrier pipe from 30 inches to 42 inches in diameter.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$18,593,463	Administrative Expenses	\$261,169	
SD1	7,810,227	Land, Easements	215,800	
		Planning	172,759	
		Eng - Design / Const	1,033,058	
		Eng - Insp	547,649	
		Construction	18,593,463	
		Contingency	5,579,792	
TOTAL	<u>\$26,403,690</u>	TOTAL	<u>\$26,403,690</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Hazen and Sawyer		
PROJECT SCHEDULE	Bid Opening	December 15, 2025		
	Construction Start	January 15, 2026		
	Construction Stop	March 31, 2028		
DEBT PER CUSTOMER	Existing	\$3,878		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	107,394	\$52.89 (5 HCF) (for 4,000 gallons)	
	Additional	52	\$52.89 (5 HCF) (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	73,227,676	33,057,911	40,169,765	2.2
Audited 2022	78,906,304	43,162,216	35,744,088	1.8
Audited 2023	92,039,155	33,260,288	58,778,867	2.8

Scoring		Rubrick		Metrics		
SANITATION DISTRICT #1 OF NORTHERN KENTUCKY						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$76,904	State MHI \$60,183	Percentage 127.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.22	2022 DCR 1.83	2023 DCR 2.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.76	2022 APT 1.14	2023 APT 1.35
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 36.42	2022 ARD 36.46	2023 ARD 47.85
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

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EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer	Rick Harris	
		Date	November 7, 2024	
		KIA Loan Number	W25-149	
		WRIS Number	SX21073089	
BORROWER	CITY OF FRANKFORT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
<p>Willow Pump Station Force Main Redirection project (Willow FM) is a part of Frankfort Sewer Department's (FSD) the Long Term Control Plan (LTCP) to address Combined Sewer Overflows (CSOs) and Sanitary Sewer Overflows (SSOs). Willow FM currently conveys a nearly sewer separated (Holmes Street) area flows to the combined sewer system. Now that this area is sanitary only, flows will be redirected to a sanitary only system and removed from the combined system.</p> <p>Additionally the project's scope includes a redesign of an existing storm sewers to keep wet weather flows from the Willow Pump Station and direct them towards Penitentiary Branch.</p> <p>The project includes the replacement of approximately 1,000 LF of storm sewer and approximately 5,000 LF of sanitary force main.</p> <p>There is direct inflow from CSO #16 into the Willow PS collection system. This connection will be removed/disconnected as part of the Willow PS Force Main Redirection project.</p> <p>The project is also being coordinated with Holmes Street Redevelopment Master Plan and has already recieved \$20 million for roadway improvements.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,884,100	Administrative Expenses	\$20,000	
		Legal Expenses	10,000	
		Land, Easements	10,000	
		Eng - Design / Const	65,000	
		Eng - Insp	150,000	
		Construction	3,276,000	
		Contingency	353,100	
TOTAL	<u>\$3,884,100</u>	TOTAL	<u>\$3,884,100</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Hazen and Sawyer, P.S.C.		
PROJECT SCHEDULE	Bid Opening			
	Construction Start			
	Construction Stop			
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	36,149	\$42.88 (for 4,000 gallons)	
	Additional	0	\$42.88 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-149	
REVOLVING LOAN / GRANT FUND		WRIS Number	No WRIS - Non Capital	
BORROWER	CITY OF FRANKFORT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
This Regional Biosolids Study will develop alternatives to remove and destroy per- and polyflouroaklyl substances (PFAS) from wastewater effluent and biosolids using current technologies. The study will screen PFAS seperation and destruction technologies for their ability to destroy PFAS to below current analytical reporting limits. Partner with communities surrounding the City of Frankfort (Georgetown, Versailles, Midway, Lawrenceburg, etc.) to develop a biosolids study to address emerging contaminants.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$500,000	Planning	500,000	
TOTAL	\$500,000	TOTAL	\$500,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	N/A		
	Construction Start	N/A		
	Construction Stop	N/A		
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	36,149	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-141	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21073091	
BORROWER	CITY OF FRANKFORT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
<p>Lower PC3 will accelerate a portion of SX21073047 Prevention Park Pump Station Replacement (PC3) by constructing 10,500 LF dual 18" and 24" force mains from Holly Hill Drive to the existing junction box and Kentucky Ave and Benson Ave. The purpose of this project is to allow for the diversion flow from West Frankfort Pump Station and Pea Ridge Pump Station to the new lines.</p> <p>The City of Frankfort is currently under a Consent Judgment and has an approved Long Term Control Plan (LTCP). The City believes this project is an appropriate substitute project for several other projects listed in the LTCP since it diverts sanitary sewer flow from combined sewer systems. Thus the existing CSO will have additional capacity to convey flow and if CSO discharges occur, the flow will be have increased dilution. This project will provide cleaner water to the Kentucky River and reduces the occurrence of flooding in downtown Frankfort.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,898,500	Land, Easements	50,000	
		Eng - Design / Const	797,300	
		Eng - Insp	218,400	
		Eng - Other	20,000	
		Construction	10,738,900	
		Contingency	1,073,900	
TOTAL	\$12,898,500	TOTAL	\$12,898,500	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	February 1, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	October 1, 2027		
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	36,149	\$42.88 (for 4,000 gallons)	
	Additional	0	\$42.88 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-177	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21073095	
BORROWER	CITY OF FRANKFORT FRANKLIN COUNTY			
BRIEF DESCRIPTION On October 13, 2023, a large portion of the exposed rock cliff fell resulting in the permanent closure of KY 1211 between Devils Hollow Road and Benson Valley Road. The rock face is considered as unstable. This event has placed an existing 30" RCP interceptor sewer at great risk being approximately 13 feet from the new edge. The Signal Ridge Tunnel project intends to construct approximately 1,600 LF of 30" Tunnel and expand the existing 8" sewer to 30" to convey the existing flow from the existing high risk sewer line.				
FSD will be submitting a project profile to obtain a SX number at the next BGADD Water Management Council Meeting.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,210,000	Administrative Expenses	\$7,500	
		Legal Expenses	18,750	
		Land, Easements	12,500	
		Eng - Design / Const	385,000	
		Eng - Insp	120,000	
		Construction	4,700,000	
		Miscellaneous	496,250	
		Contingency	470,000	
TOTAL	<u>\$6,210,000</u>	TOTAL	<u>\$6,210,000</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	QK4, Inc		
PROJECT SCHEDULE	Bid Opening	May 1, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	36,149	\$42.88 (for 4,000 gallons)	
	Additional	0	\$42.88 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-036 WX21107079	
BORROWER	NEBO WATER DISTRICT HOPKINS COUNTY			
BRIEF DESCRIPTION				
<p>This project consists of upgrading approximately 13,500 LF of small diameter waterline to 8" waterline, booster pump station, generator and telemetry upgrade. Project will connect Nebo Water District to Webster County Water District which will provide a backup source of water for Nebo WD.</p> <p>This project also consists of rehabilitating the NWD water tank located in Nebo with a polibrid liner and re-paint.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,933,000	Administrative Expenses	\$33,000	
		Legal Expenses	7,500	
		Land, Easements	10,000	
		Planning	13,000	
		Eng - Design / Const	124,500	
		Eng - Insp	10,000	
		Eng - Other	81,000	
		Construction	883,050	
		Equipment	605,000	
		Contingency	148,805	
		Other	17,145	
TOTAL	<u>\$1,933,000</u>	TOTAL	<u>\$1,933,000</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	June 1, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	May 31, 2026		
DEBT PER CUSTOMER	Existing	\$31		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,608	\$49.40 (for 4,000 gallons)	
	Additional	10	\$49.40 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	103,828	58,954	44,874	1.8
Audited 2022	(16,675)	41,672	(58,347)	-0.4
Audited 2023	70,429	31,864	38,565	2.2

Scoring			Rubrick	Metrics		
NEBO WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$73,336	State MHI \$60,183	Percentage 121.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.76	2022 DCR -0.40	2023 DCR 2.21
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 30.79	2022 APT 19.32	2023 APT 16.44
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 34.55	2022 ARD 10.11	2023 ARD 7.45
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2014	
KY WWATERS FUND		KIA Loan Number	W25-145	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21215072	
BORROWER	CITY OF TAYLORSVILLE SPENCER COUNTY			
BRIEF DESCRIPTION				
<p>This Taylorsville Asbestos Cement & Cast Iron Waterline Replacement project will replace 2,300 linear feet (LF) of 6" asbestos cement (AC) waterline and appurtenances to a water tank inside the City of Taylorsville city limits. It will also replace 1,000 LF of 6" AC waterline and appurtenances on Houston Court and will replace 6,200 LF (1.17 miles) of 8" AC waterline and appurtenances on S.R. 44 (Mt. Washington Road) from the City of Taylorsville's floodwall to the western part of Taylorsville's city limits at two (2) Spencer County schools. The project will also replace 1,800 LF of 6" cast iron waterline and appurtenances (30+ years old) on Taylorsville Road in the City of Taylorsville.</p> <p>Due to the United States Environmental Protection Agency (EPA) documented health concerns for these pipe materials (asbestos cement and old cast iron), the City of Taylorsville has been planning for their replacement for more than 3 years. Subsequently, the City of Taylorsville has had ALL of these lines designed and submitted to the Kentucky Division of Water (KDOW) and all have been APPROVED by KDOW.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,450,000	Administrative Expenses	\$32,000	
		Legal Expenses	8,000	
		Planning	25,000	
		Eng - Design / Const	103,200	
		Eng - Insp	64,800	
		Eng - Other	15,000	
		Construction	1,095,200	
		Contingency	106,800	
TOTAL	\$1,450,000	TOTAL	\$1,450,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	March 1, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	December 1, 2025		
DEBT PER CUSTOMER	Existing	\$8,465		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	4,199	\$33.50 (for 4,000 gallons)	
	Additional	0	\$33.50 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,335,632	542,975	792,657	2.5
Audited 2022	1,592,727	537,897	1,054,830	3.0
Audited 2023	1,134,417	518,246	616,171	2.2

Scoring			Rubrick	Metrics		
CITY OF TAYLORSVILLE						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$97,855	State MHI \$60,183	Percentage 162.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.46	2022 DCR 2.96	2023 DCR 2.19
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 0.00	2022 APT 55.85	2023 APT 6.37
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 16.18	2022 ARD 17.52	2023 ARD 14.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-148	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21151039	
BORROWER	NORTHERN MADISON COUNTY SANITATION DISTRICT MADISON COUNTY			
BRIEF DESCRIPTION This project is the replacement of an existing sewer system including 2 pump stations. The service area is a 235 lot subdivision which was built in the approx. 50 years ago. The existing sewers have been smoke tested and tv'ed which disclosed many sags, and areas of infiltration and inflow. Rehab will include approximately 15,060 gravity sewers, 75 MH's and 12580 Ft. of laterals to reduce I & I in a subdivision of approximately 235 homes and collection system. This wastewater will be sent to the Regional WWTP (KY0105376) to be properly treated prior to discharge into the waters of the Commonwealth. The project is already designed and has obtained DOW approval of the Plans and Specs.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,431,500	Administrative Expenses	\$50,000	
		Legal Expenses	20,000	
		Land, Easements	10,000	
		Planning	5,000	
		Eng - Design / Const	329,000	
		Eng - Insp	171,000	
		Eng - Other	6,500	
		Construction	4,400,000	
		Contingency	440,000	
TOTAL	<u>\$5,431,500</u>	TOTAL	<u>\$5,431,500</u>	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening	September 20, 2025		
	Construction Start	October 20, 2025		
	Construction Stop	March 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,996		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,202	\$64.50 (for 4,000 gallons)	
	Additional	0	\$64.50 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	811,255	572,298	238,957	1.4
Audited 2022	742,506	555,756	186,750	1.3
Audited 2023	762,549	614,822	147,727	1.2

Scoring		Rubrick		Metrics		
NORTHERN MADISON COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$129,116	State MHI \$60,183	Percentage 214.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.42	2022 DCR 1.34	2023 DCR 1.24
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.49	2022 APT 2.93	2023 APT 4.52
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 66.88	2022 ARD 60.64	2023 ARD 39.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		10				