

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-072	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21237018	
BORROWER	CITY OF CAMPTON WOLFE COUNTY			
BRIEF DESCRIPTION				
<p>The 2023 WTP Improvement Project will improve the current operating conditions of the existing WTP by replacing, rehabilitating, and updating the following items: membrane filters, high service pumps, raw water pumps, telemetry, chemical feed systems, metering pumps, filter controls, laboratory equipment/analyzers, various controls, valves & piping. The existing WTP was constructed in 2011. These improvements will improve finished water quality, operations, maintenance, reliability and redundancy to allow the WTP to meet future water demands and regulatory requirements. The project will include an comprehensive assessment and evaluation of the WTP and provide a targeted areas for improvements. The upgrades are necessary to improve the water distribution system.</p> <p>The Red River Gorge area has seen tremendous growth in the last couple years. With the development of remote work capabilities, more people are looking to get away from big cities and enjoy rural life and areas where they can rock climb, mountain bike, kayak, hunt, fish and enjoy other outdoor recreational activities. The current plant and source cannot meet the demand. Replacing and rehabbing the equipment is a first step in making sure that the City of Campton can continue meet the harsh demand that is being asked of its system until it can find alternative sources to assist in supply the ever increasing demand and possibly even increase its capacity later on.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$199,304	Administrative Expenses	\$75,000	
ARC	2,640,089	Legal Expenses	50,000	
CWP	398,607	Land, Easements	20,000	
Line Item Grant	350,000	Planning	160,000	
		Eng - Design / Const	191,000	
		Eng - Insp	146,000	
	-	Eng - Other	144,000	
	-	Construction	2,547,000	
	-	Contingency	255,000	
TOTAL	\$3,588,000	TOTAL	\$3,588,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	April 3, 2025		
	Construction Start	July 3, 2025		
	Construction Stop	April 30, 2026		
DEBT PER CUSTOMER	Existing	\$5,122		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,338	\$38.61 (for 4,000 gallons)	
	Additional	0	\$38.61 (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	228,672	190,959	37,713	1.2
Audited 2022	179,411	232,817	(53,406)	0.8
Audited 2023	(54,470)	190,988	(245,458)	-0.3

Scoring		Rubrick		Metrics		
CITY OF CAMPTON						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,277	State MHI \$60,183	Percentage 47.0%
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 1.20	2022 DCR 0.77	2023 DCR -0.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.49	2022 APT 7.49	2023 APT 6.71
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.07	2022 ARD 29.64	2023 ARD 28.95
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	W25-071	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21237021	
BORROWER	CITY OF CAMPTON WOLFE COUNTY			
BRIEF DESCRIPTION				
Many of the water lines within the City limits of Campton have outlived their design, with a vast majority of them installed over 70 years ago. This project includes the design and construction components of replacing the aging facilities. As part of the project, any lead service lines identified will be replaced, including the private side of the meter.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,602,000	Administrative Expenses	\$50,000	
		Legal Expenses	100,000	
		Land, Easements	20,000	
		Planning	109,500	
		Eng - Design / Const	194,000	
		Eng - Insp	146,000	
		Eng - Other	120,500	
		Construction	2,592,000	
		Contingency	260,000	
		Other	10,000	
TOTAL	<u>\$3,602,000</u>	TOTAL	<u>\$3,602,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	February 1, 2026		
	Construction Stop	December 30, 2026		
DEBT PER CUSTOMER	Existing	\$10,229		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	245	\$38.61 (for 4,000 gallons)	
	Additional	0	\$38.61 (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	228,672	190,959	37,713	1.2
Audited 2022	179,411	232,817	(53,406)	0.8
Audited 2023	(54,470)	190,988	(245,458)	-0.3

Scoring		Rubrick		Metrics		
CITY OF CAMPTON						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,277	State MHI \$60,183	Percentage 47.0%
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 1.20	2022 DCR 0.77	2023 DCR -0.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.49	2022 APT 7.49	2023 APT 6.71
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.07	2022 ARD 29.64	2023 ARD 28.95
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 W25-151 WX21095023	
BORROWER	CITY OF EVARTS HARLAN COUNTY			
BRIEF DESCRIPTION				
The City of Evarts is proposing a project that will provide a reliable and accessible raw water supply for all city underserved residents and businesses. The project will include approximately 7,500 LF of new 8"PVS waterline from Sals Branch mine source and approximately 2,500 LF of 12" PVC on the Clover Fork River.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,500,000	Administrative Expenses	\$25,000	
		Planning	5,000	
		Eng - Design / Const	100,000	
		Eng - Insp	62,000	
		Eng - Other	20,000	
		Construction	1,172,500	
		Contingency	115,500	
TOTAL	<u>\$1,500,000</u>	TOTAL	<u>\$1,500,000</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	October 24, 2024		
	Construction Start	December 24, 2024		
	Construction Stop	December 24, 2025		
DEBT PER CUSTOMER	Existing	\$1,775		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,500	\$36.64 (for 4,000 gallons)	
	Additional	1,160	\$36.64 (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	(55,871)	55,100	(110,971)	-1.0
Audited 2022	(93,737)	50,429	(144,166)	-1.9
Audited 2023	(40,064)	74,033	(114,097)	-0.5

Scoring		Rubrick		Metrics		
CITY OF EVARTS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$32,512	State MHI \$60,183	Percentage 54.0%
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	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -1.01	2022 DCR -1.86	2023 DCR -0.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.92	2022 APT 3.89	2023 APT 3.89
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

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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 W25-135 WX21197019	
BORROWER	POWELL'S VALLEY WATER DISTRICT POWELL COUNTY			
BRIEF DESCRIPTION				
<p>The project will relocate a water booster pump station and a portion of the associated water main. The existing pump station is located at the base of a range called Furnace Mountain and pumps to the Furnace Mountain tank in the eastern portion of the Powell's Valley Water District system. The slope on the hill above the pump station recently failed and the landslide pushed earth onto the pump station site, toppled trees near the radio telemetry control system and destroyed the pump station power supply service line. The service to the station was restored but the slide poses a serious threat to the underground water supply station and a health and safety risk to system employees.</p> <p>The project will construct a new station across the county road and a distance from the existing station away from the slide area. The new station will utilize as much salvaged equipment from the existing station as reasonably feasible. New water mains into and out of the station will be required due to the relocation and pressure classes of the mains.</p> <p>This project is necessary in order for the system to continue to provide potable water to the Powell's Valley Water District service area. It is also necessary in order to avoid health and safety risks currently in place with the current facilities.</p> <p>The District received approximately \$150,000 from Senate Bill 36. The project has increased in cost due to inflation since the inception of the original cost estimate to \$330,000. The District is requesting \$180,000 in KY WWATERS Funding in the form of loan/grant for which it is eligible.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$329,042	Administrative Expenses	\$5,000	
		Eng - Design / Const	32,500	
		Eng - Insp	23,800	
		Construction	242,800	
		Contingency	24,542	
		Other	400	
TOTAL	\$329,042	TOTAL	\$329,042	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky, Inc.		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
DEBT PER CUSTOMER	Existing	\$752		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,445	\$55.13 (for 4,000 gallons)	
	Additional	0	\$55.13 (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	113,225	172,538	(59,313)	0.7
Audited 2022	127,507	166,570	(39,063)	0.8
Audited 2023	219,977	156,729	63,248	1.4

Scoring		Rubrick		Metrics		
POWELL'S VALLEY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,298	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 0.66	2022 DCR 0.77	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.09	2022 APT 11.04	2023 APT 8.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.01	2022 ARD 25.56	2023 ARD 22.12
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	W25-135	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21197021	
BORROWER	POWELL'S VALLEY WATER DISTRICT POWELL COUNTY			
BRIEF DESCRIPTION				
<p>This project will upgrade existing pumps stations and tanks and install water mains to replace undersized mains and connect mains to eliminate dead ends. The tanks include Furnace Mountain Tank and the Mulch Plant Tank. The Black Creek Road hydropneumatic booster pump station will be replaced and telemetry will be installed to improve monitoring and control. Water line installations include Barkers Branch Road - SR 1036, Black Creek Road, Snow Creek Stone Road, Mulch Plant Parkway Bore and Brush Creek Parkway Bore. The project also includes replacing the water district office and adding radio read capabilities to existing water meters.</p> <p>Connecting water mains and eliminating dead ends improves water quality and protects against THM formation. The work on tanks promotes circulation to improve water quality and protect against THM formation.</p> <p>The project received a \$1,000,000 Budget Line Item in 2022. Due to inflation and increased costs since the inception of the original cost estimate the project cost is now projected to be \$3,500,000. The District is requesting \$2,500,000 in KY WWATERS Funding in the form of loan/grant for which it is eligible.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,295,610	Administrative Expenses	\$35,300	
22HB001 Fed Funds Line Item Grant	1,000,000	Legal Expenses	16,400	
		Land, Easements	10,000	
		Eng - Design / Const	140,100	
		Eng - Insp	85,300	
		Eng - Other	30,500	
		Construction	1,766,100	
		Contingency	176,610	
		Other	35,300	
TOTAL	<u>\$2,295,610</u>	TOTAL	<u>\$2,295,610</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky, Inc.		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
DEBT PER CUSTOMER	Existing	\$752		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,445	\$55.13 (for 4,000 gallons)	
	Additional	0	\$55.13 (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	113,225	172,538	(59,313)	0.7
Audited 2022	127,507	166,570	(39,063)	0.8
Audited 2023	219,977	156,729	63,248	1.4

Scoring		Rubrick		Metrics		
POWELL'S VALLEY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,298	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 0.66	2022 DCR 0.77	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.09	2022 APT 11.04	2023 APT 8.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.01	2022 ARD 25.56	2023 ARD 22.12
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	W25-004	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21137024	
BORROWER	LINCOLN COUNTY SANITATION DISTRICT LINCOLN COUNTY			
BRIEF DESCRIPTION				
<p>The project is the continuation of the sanitary sewer project for the US 127 corridor between Hustonville and Junction City. This is the Phase 3 portion of the project which will include the subdivisions along Ky Hwy 2141 (old US 127) and the area of Moreland west of the Railroad. It will also include a small portion of the City of Hustonville not included in Phase 1. This project will complete the US 127 Corridor area of Lincoln County for the Lincoln County Sanitation District by extending sanitary sewer to the majority of the developed areas. The Phase 3 project will plan to serve approximately 350 households and businesses. Any other existing housing in the area would be too costly to serve with sanitary sewer due to the distances between properties.</p> <p>To further support the need for this project, water quality sampling was conducted by the UK Water Research Institute this past spring. Sampling was done exclusively within the proposed project area to quantify the E. Coli levels in this sub-watershed. When comparing results against primary contact recreation standard for individual samples, only one sample (Site 1 on Feb 22) was below the criteria. Averages of sites ranged from 1.9 to 11.7 times the limit, with results increasing from north to south along US-127.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,417,402	Administrative Expenses	\$90,000	
Cleaner Water CWP	287,288	Legal Expenses	45,000	
		Land, Easements	45,000	
		Planning	20,000	
		Eng - Design / Const	441,110	
		Eng - Insp	199,000	
		Eng - Other	45,000	
		Construction	6,251,080	
		Contingency	568,500	
TOTAL	<u>\$7,704,690</u>	TOTAL	<u>\$7,704,690</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	AGE Engineering, Inc		
PROJECT SCHEDULE	Bid Opening	November 1, 2025		
	Construction Start	February 1, 2026		
	Construction Stop	February 1, 2027		
DEBT PER CUSTOMER	Existing	\$11,702		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	438	\$62.47 (for 4,000 gallons)	
	Additional	0	\$62.47 (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	240,665	134,314	106,351	1.8
Audited 2022	212,608	128,635	83,973	1.7
Audited 2023	204,593	181,905	22,688	1.1

Scoring		Rubrick		Metrics		
LINCOLN 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 \$48,826	State MHI \$60,183	Percentage 81.1%
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	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 1.65	2023 DCR 1.12
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.26	2022 APT 7.05	2023 APT 5.37
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 61.59	2022 ARD 56.29	2023 ARD 83.67
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

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EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-059	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21089135	
BORROWER	THE CITY OF RUSSELL KENTUCKY GREENUP COUNTY			
<p>BRIEF DESCRIPTION</p> <p>The City of Russell provides drinking water for approximately 23,000 residents in Greenup County (60% of the County's Residents). The Russell Water Treatment Plant is a regional treatment plant that provides water to the City of Russell, City of Bellefonte, City of Raceland, and City of Flatwoods, and is a backup to the City of Worthington, and City of Wurtland. The current capacity of the Water Treatment Plant is 2 Million Gallons Per Day, and the plant is running 23 hours per day, with only 1 hour per day down time to allow for backwashing of filter, to provide adequate flow to the residents. Increased capacity at the Water Treatment Plant is needed.</p> <p>The current permanent raw water intake was constructed by the CSX railroad company 100 years ago and eventually turned over to the City of Russell to provide the raw water from the Ohio River to supply their Water Treatment Plant.</p> <p>During the Flood Events of February 2021, the raw water intake was damaged by debris in the Ohio River causing holes in the concrete intake structure and preventing marine divers from performing routine maintenance on the intake structure. The U.S. Army Corps of Engineers granted a 4 year permit for an emergency temporary floating barge intake structure to provide water to the Water Treatment Plant until a new structure could be constructed. A temporary intake was completed in 2022 and that permit is nearing expiration.</p> <p>The project will be completed in phases.</p> <p>Phase 1 – Permanent Raw Water Intake (\$8 Million in loan funds currently allocated by KIA) - construction of a new permanent raw water intake. The new permanent raw water intake will replace the existing failing intake and the emergency temporary intake and draw raw water from the Ohio River to supply the Water Treatment Plant.</p> <p>Phase 2 – Finished Water Transmission Line - construction of a high-pressure finished water transmission line to the Existing 1 MGD Water Storage Tank.</p> <p>Phase 3 – Increase Existing Water Treatment Plant Capacity - upgrading the existing Water Treatment Plant capacity from 2 MGD to 4 MGD. The existing treatment train will be duplicated to double the capacity.</p> <p>Phase 4 – Rehabilitation of Existing Water Treatment Plant - rehabilitation of the existing 2 MGD Water Treatment Plant. Once the new addition to the Water Treatment Plant in Phase 3 is completed, the existing 2 MGD water treatment plant will be rehabilitated with new equipment, pumps, piping, rehab of existing clarifiers, flocculation basins, and rapid sand filters as required.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$33,200,000	Eng - Design / Const	200,000	
KIA CWP 22CWW094	200,000	Construction	33,200,000	
TOTAL	\$33,400,000	TOTAL	\$33,400,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	EL Robinson Engineering		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	June 1, 2026		
DEBT PER CUSTOMER	Existing	\$447		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,235	\$29.20 (for 4,000 gallons)	
	Additional	0	\$29.20 (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	184,070	179,999	4,071	1.0
Audited 2022	227,674	180,000	47,674	1.3
Audited 2023	103,567	630,001	(526,434)	0.2

Scoring			Rubrick	Metrics		
THE CITY OF RUSSELL KENTUCKY						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$82,531	State MHI \$60,183	Percentage 137.1%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.5%	
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 1.02	2022 DCR 1.26	2023 DCR 0.16
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 168.76	2022 APT 75.30	2023 APT 115.75
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 30.09	2022 ARD 27.25	2023 ARD 26.04
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

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EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-030	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21195042	
BORROWER	CITY OF PIKEVILLE PIKE COUNTY			
BRIEF DESCRIPTION				
<p>The project will clean, restore and repair existing concrete surfaces, particularly near the headworks and will install a protective coating for the concrete. During this process, temporary piping, fittings, and pumping will be installed to bypass the headworks for up to four months. Finally, an Odor Control Unit will be installed to help with both corrosion and odor issues around the plant.</p> <p>Due primarily to forced main contributions to the plant inflow, hydrogen sulfide vapor is being released at the head works at a much higher concentration than anticipated. Even corrosion resistant metals and the concrete structure itself is corroding. The concrete is spalling and will eventually expose rebar. It is necessary to repair these facilities before the damage interferes with the plant's function and/or its structural integrity.</p> <p>The upgrade of adding the protective coating and the odor control unit is primarily designed to help prevent or reduce future corrosion. Please note that the plant does treat sewer for areas located outside of the City of Pikeville, primarily with the City of Coal Run Village but also in some unincorporated areas.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,561,600	Administrative Expenses	\$2,000	
		Legal Expenses	2,000	
		Eng - Design / Const	155,800	
		Eng - Insp	103,800	
		Construction	1,081,700	
		Contingency	216,300	
TOTAL	<u>\$1,561,600</u>	TOTAL	<u>\$1,561,600</u>	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Not Yet Chosen		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	June 1, 2025		
	Construction Stop	December 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,614		
RESIDENTIAL RATES				
	Current	<u>Users</u> 4,149	<u>Avg. Bill</u> \$27.46 (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	690,104	1,154,359	(464,255)	0.6
Audited 2020	992,858	397,218	595,640	2.5
Audited 2021	625,636	330,524	295,112	1.9
Audited 2022	593,066	413,060	180,006	1.4
Audited 2023	985,911	308,407	677,504	3.2

Scoring		Rubrick		Metrics		
CITY OF PIKEVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,896	State MHI \$60,183	Percentage 69.6%
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	2019 DCR 0.60	2020 DCR 2.50	2021 DCR 1.89
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT N/A	2020 APT N/A	2021 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 70.37	2020 ARD 46.15	2021 ARD 51.71
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	W25-029	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21195070	
BORROWER	CITY OF PIKEVILLE PIKE COUNTY			
BRIEF DESCRIPTION				
<p>The project will upgrade electrical and control systems, high service pumps, and other facilities in addition to adding new treatment systems to address bromides, TTHM, and potential PFAS and other emerging contaminants regulations. Potential treatment could include activated Carbon.</p> <p>The plant was installed in the mid 1980s and the last electrical upgrades for the overall electrical and control systems were completed approximately 20 years ago. All but one of the high service pumps needs to be replaced, and treatment systems are being evaluated due to high bromides in the source water and continuing elevated TTHM levels. Consideration is being given to PFAS and other potential emerging contaminants.</p> <p>This project is repairing an existing plant that provides water to 90% of Pike County customers as well as some of Floyd County. The upgrades would ensure longterm ability to provide water for these regionally connected systems reliably and at improved efficiencies. Continuing to utilize older and lower efficiency equipment may not provide additional lower DBP water for neighboring systems, or use the existing system continuing to repair as it breaks.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$8,789,000	Administrative Expenses	\$2,000	
		Legal Expenses	2,000	
		Eng - Design / Const	525,000	
		Eng - Insp	210,000	
		Construction	7,000,000	
		Contingency	1,050,000	
TOTAL	\$8,789,000	TOTAL	\$8,789,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Not yet chosen		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	June 1, 2025		
	Construction Stop	December 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,612		
RESIDENTIAL RATES				
	Current	<u>Users</u> 4,152	<u>Avg. Bill</u> \$27.46 (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	690,104	1,154,359	(464,255)	0.6
Audited 2020	992,858	397,218	595,640	2.5
Audited 2021	625,636	330,524	295,112	1.9
Audited 2022	593,066	413,060	180,006	1.4
Audited 2023	985,911	308,407	677,504	3.2

Scoring		Rubrick		Metrics		
CITY OF PIKEVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,896	State MHI \$60,183	Percentage 69.6%
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	2019 DCR 0.60	2020 DCR 2.50	2021 DCR 1.89
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT N/A	2020 APT N/A	2021 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 70.37	2020 ARD 46.15	2021 ARD 51.71
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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