

**Kentucky Infrastructure Authority
 Projects for May 2026
 Capital Projects and Bond Oversight Committee**

▪ **Fund A Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
A24-016S	City of Springfield (Director Level Increase)	\$ 262,300	\$ 2,885,300	Washington



**Kentucky Infrastructure Authority
Loan Programs
Fiscal Year Ended June 30, 2024**

The Kentucky Infrastructure Authority (KIA) was created in 1988 to provide the mechanism for funding construction of local public works projects. KIA is continually growing and expanding its services. Through the various programs currently offered, KIA has become a major provider for local financing needs.

Program Designation		Fund A (CWSRF)	Fund F (DWSRF)	Fund B	Fund C	
Description of Program		Clean Water	Drinking Water	Infrastructure	Governmental Agencies	
Federal / State		Federal	Federal	State	State	
Selection Basis		Priority List	Priority List	First Come	First Come	
Types of Infrastructure		Wastewater	Drinking Water	First Served	First Served	
		Various ⁽¹⁾			Various ^(1,3)	
Fiscal 2023						
Terms ⁽⁴⁾	Interest Rates	Income Based	Income Based	Income Based	Terms	Market Rate
20 years	Standard (> or = \$55,454)	2.25%	2.25%	2.25%	1-5 years	1.75%
20 years	Non-standard (\$44,364 - \$55,453) ⁽²⁾	1.25%	1.25%	1.25%	6-10 years	2.25%
20 to 30 years	Disadvantage (< or = \$44,363)	0.50%	0.50%	0.50%	11-20 years	2.75%
20 years	Broadband Projects	N/A	N/A	4.25%	20 years	4.25%
Administration Fees (on principal)		0.25%	0.30%	0.20%	0.25%	
Principal Forgiveness		depends on MHI/affordability index		N/A	N/A	
Lending Capacity						
Estimated Annual Availability		\$83,537,703	\$60,943,176	\$11,933,254	\$8,547,137	
Significant Federal Requirements		Davis Bacon	Davis Bacon			
		Environmental Review	Environmental Review			
		American Iron and Steel	American Iron and Steel			
		Fiscal Sustainability Plan	Build America Buy America			
		Build America Buy America				

(1) Includes planning, design, and construction of solid waste projects; dams; storm water control treatment systems; gas or electric utility; broadband deployment project; or any other public utility or public service project. Broadband project interest rates are at the non-standard rate of 4.25%.

(2) Other reasons include regionalization, consent decrees, agreed orders, or other criteria relating to public health or financial considerations. Rate less than Kentucky MHI but greater than 80% of MHI.

(3) Fund C interest rates are based on term and not MHI.

(4) The 30 year terms are only available for Disadvantaged Communities, depending on factors such as life expectancy of assets being funded and affordability.

2021 Cleaner Water Program Grants - Water

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWW359	Bowling Green Municipal Utilities	BGMU South Park Pump Station Emergency Generator	\$ 228,621.13	Warren	County - R
21CWW371	Powell's Valley Water District	2020 Water Expansion and Improvements Project	\$ 150,392.00	Powell	County - R

2022 Cleaner Water Program Grants - Water

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22CWW401	City of Murray	City of Murray- System Improvements	\$ 641,600.00	Calloway	County - R
22CWW402	City of Murray	City of Murray- Post Oak Drive Loop	\$ 270,000.00	Calloway	County - R
22CWW403	Bowling Green Municipal Utilities	BGMU South Park Pump Station Emergency Generator	\$ 86,497.00	Warren	County - R

2022 HB1 RS LINE ITEM Grants (Federal) - Water

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22KFW003	City of Brandenburg	Water Plant Upgrade and Well	\$ 1,000,000.00	Meade	HB 1 - 2022 RS Line Item
22KFW015	City of Brandenburg	Brandenburg WTP Upgrades and Radio Meters	\$ 500,000.00	Meade	HB 1 - 2022 RS Line Item

KY Water and Wastewater Assistance for Troubled or Economically Restrained Systems

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
W26-130	City of Evarts	New Water Treatment Plant Project	\$ 926,000.00	Harlan	KY WWATERS
W26-029	Martin County Water District	292 Booster Station & Water Line Replacement	\$ 964,850.00	Martin	KY WWATERS
W26-030	Martin County Water District	Davella Pump Station & Line Replacement	\$ 6,471,900.00	Martin	KY WWATERS
W26-031	Martin County Water District	WWATERS-MCWD-Repayment of Capital and Non Capital Debt	\$ 3,294,561.00	Martin	KY WWATERS
W26-032	Martin County Water District	WWATERS-MCWD-Repair and Paint Multiple Tanks	\$ 769,210.00	Martin	KY WWATERS
W26-151	City of Martin	City of Martin - Flow Equilization Basin Rehabilitation	\$ 514,800.00	Floyd	KY WWATERS
W26-096	City of Liberty	Liberty Wastewater Treatment Plant Improvements	\$ 12,563,000.00	Casey	KY WWATERS
W26-046	Southern Water and Sewer District	Water Main Replacement (Sidelines) Project	\$ 3,106,890.00	Floyd	KY WWATERS
W26-002	Southern Water and Sewer District	Brush Creek Tank Replacement	\$ 900,500.00	Floyd	KY WWATERS
W26-045	Southern Water and Sewer District	WWATERS - SWS - Repayment of Debt	\$ 4,211,643.00	Floyd	KY WWATERS
W26-122	City of Elkhorn City	WWATERS - Elkhorn City Debt Repayment Project	\$ 1,296,212.00	Pike	KY WWATERS
W26-140	City of Smithland	Smithland DBP Mitigation and System Improvements Project	\$ 1,164,665.00	Livingston	KY WWATERS
W26-109	City of Oak Grove	HWY 115 North and Carneal Lane Waterline Extension and Tank	\$ 2,000,000.00	Christian	KY WWATERS
W26-024	Martin County Sanitation District	Black Log Gravity Line Replacements	\$ 1,687,380.00	Martin	KY WWATERS
W26-025	Martin County Sanitation District	County Wide Lift Station Replacements	\$ 6,596,750.00	Martin	KY WWATERS
W26-026	Martin County Sanitation District	WWATERS - MCSD - Repayment of Capital and Non Capital Debt	\$ 2,169,799.00	Martin	KY WWATERS
W26-027	Martin County Sanitation District	Inez Wastewater System Improvement Project	\$ 3,864,100.00	Martin	KY WWATERS

EXECUTIVE SUMMARY		Reviewer	Sandy Rankin	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	May 7, 2026	
FUND A, FEDERALLY ASSISTED WASTEWATER		KIA Loan Number	A24-016S Increase	
REVOLVING LOAN FUND		WRIS Number	SX21229013	
BORROWER	CITY OF SPRINGFIELD FBO SPRINGFIELD WATER & SEWER COMMISSION WASHINGTON COUNTY			
BRIEF DESCRIPTION The Springfield Water & Sewer Commission is requesting a Fund A loan increase in the amount of \$262,300 for their Springfield WWTP SBR project. The original loan of \$2,623,000 was approved by the KIA Board on March 4, 2024. This increase will bring their total KIA loan amount up to \$2,885,300. The increase is due to bids coming in higher than estimated. No additional work is being funded. This project will expand the Springfield WWTP by adding a planned Sequencing Batch Reactor (SBR). Recent industrial and residential development has expedited the need to proceed more quickly than anticipated. The plant will increase capacity from 1.3 MGD to 1.7 MGD per day allowing them to meet peak flow demands. Approximately 4,500 LF of 8" collection lines in the Maplewood Avenue area will also be rehabbed to eliminate known sources of I&I contributing to excess treatment.				
PROJECT FINANCING		PROJECT BUDGET		
Fund A Loan	\$2,885,300	Administrative Expenses	\$1,000	
24HB001 Grant	1,500,000	Legal Expenses	1,000	
		Planning	1,000	
		Eng - Design / Const	263,219	
		Eng - Insp	145,000	
		Construction	3,820,000	
		Contingency	154,081	
TOTAL	\$4,385,300	TOTAL	\$4,385,300	
REPAYMENT	Rate	0.50%	Est. Annual Payment	\$82,051
	Term	30 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Jonathan R. Walton		
	Bond Counsel	Dinsmore & Shohl, LLP		
PROJECT SCHEDULE	Bid Opening	Feb-26		
	Construction Start	Jun-26		
	Construction Stop	Dec-27		
DEBT PER CUSTOMER	Existing	\$3,384		
	Proposed	\$2,894		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,428	\$54.07 (for 4,000 gallons)	
	Additional	2	\$54.07 (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 2023	1,223,023	968,061	254,962	1.3
Audited 2024	895,436	1,021,913	(126,477)	0.9
Audited 2025	1,497,186	3,103,016	(1,605,830)	0.5
Projected 2026	1,604,279	2,894,118	(1,289,839)	0.6
Projected 2027	1,724,350	1,040,104	684,246	1.7
Projected 2028	1,854,019	1,020,421	833,598	1.8
Projected 2029	1,957,546	1,452,060	505,486	1.3
Projected 2030	1,982,631	1,563,414	419,217	1.3

Reviewer: Sandy Rankin
Date: May 7, 2026
Loan Number: A24-016S Increase

**KENTUCKY INFRASTRUCTURE AUTHORITY
WASTEWATER REVOLVING LOAN FUND (FUND A)
CITY OF SPRINGFIELD FBO SPRINGFIELD WATER & SEWER COMMISSION,
WASHINGTON COUNTY
PROJECT REVIEW
SX21229013**

I. PROJECT DESCRIPTION

The Springfield Water & Sewer Commission is requesting a Fund A loan increase in the amount of \$262,300 for their Springfield WWTP SBR project. The original loan of \$2,623,000 was approved by the KIA Board on March 4, 2024. This increase will bring their total KIA loan amount up to \$2,885,300. The increase is due to bids coming in higher than estimated. No additional work is being funded.

This project will expand the Springfield WWTP by adding a planned Sequencing Batch Reactor (SBR). Recent industrial and residential development has expedited the need to proceed more quickly than anticipated. The plant will increase capacity from 1.3 MGD to 1.7 MGD per day allowing them to meet peak flow demands. Approximately 4,500 LF of 8" collection lines in the Maplewood Avenue area will also be rehabbed to eliminate known sources of I&I contributing to excess treatment.

The Commission currently serves 1,212 residential customers and 216 commercial and industrial customers.

II. PROJECT BUDGET

	Total
Administrative Expenses	\$ 1,000
Legal Expenses	1,000
Planning	1,000
Engineering Fees - Design	213,219
Engineering Fees - Construction	50,000
Engineering Fees - Inspection	145,000
Construction	3,820,000
Contingency	154,081
Total	\$4,385,300

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund A Loan	\$ 2,885,300	66%
24HB001 Grant	1,500,000	34%
Total	\$ 4,385,300	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 2,885,300
Less: Principal Forgiveness	750,646
Amortized Loan Amount	<u>\$ 2,134,654</u>
Interest Rate	0.50%
Loan Term (Years)	<u>30</u>
Estimated Annual Debt Service	\$ 76,714
Administrative Fee (0.25%)	<u>5,337</u>
Total Estimated Annual Debt Service	\$ 82,051

V. PROJECT SCHEDULE

Bid Opening: February 2026
 Construction Start: July 2026
 Construction Stop: December 2027

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

<u>Customers</u>	<u>Current</u>	<u>Proposed</u>	<u>Total</u>
Residential	1,212	0	1,212
Commercial	205	0	205
Industrial	11	2	13
Total	<u>1,428</u>	<u>2</u>	<u>1,430</u>

B) Rates

SEWER	Current	Prior	Prior
Date of Last Rate Increase	07/01/25	11/01/24	07/01/24
Minimum - First 1,500 Gallons	\$26.49	\$25.97	\$25.46
Next 8,500 Gallons, per 1,000 Gallons	11.03	10.81	10.60
Next 15,000 Gallons, per 1,000 Gallons	10.08	9.88	9.69
Cost for 4,000 gallons	\$54.07	\$53.00	\$51.96
Increase %	2.0%	2.0%	
Affordability Index (Rate/MHI)	1.5%	1.5%	

WATER - Inside	Current	Prior	Prior
Date of Last Rate Increase	07/01/25	11/01/24	07/01/24
Minimum - First 1,500 Gallons	\$13.61	\$12.84	\$12.35
Next 3,500 Gallons, per 1,000 Gallons	5.11	4.82	4.63
Next 5,000 Gallons, per 1,000 Gallons	4.22	3.98	3.65
Cost for 4,000 gallons	\$31.50	\$29.71	\$23.93
Increase %	6.0%	24.2%	
Affordability Index (Rate/MHI)	0.9%	0.8%	

WATER - Outside	Current	Prior	Prior
Date of Last Rate Increase	07/01/25	11/01/24	07/01/24
Minimum - First 1,500 Gallons	\$16.13	\$15.22	\$20.22
Next 3,500 Gallons, per 1,000 Gallons	11.91	11.24	11.24
Next 5,000 Gallons, per 1,000 Gallons	7.38	6.96	6.69
Cost for 4,000 gallons	\$57.82	\$54.56	\$48.32
Increase %	6.0%	12.9%	
Affordability Index (Rate/MHI)	1.6%	1.5%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2017-2021, the Utility’s service area population was 2,872 with a Median Household Income (MHI) of \$42,539. The MHI for the Commonwealth is \$55,454. The project will qualify for a 0.50% interest rate.

VIII. 2023 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - This project does not qualify for Green Project Reserve funding.
- 2) Additional Subsidization – This project qualifies for additional subsidization. Principal forgiveness of 26%, not to exceed \$750,646, will be credited to the loan balance.

IX. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended June 30, 2023, through June 30, 2025. The non-cash impacts of GASB 68 – Accounting and Financial Reporting for Pensions and GASB 75 – Accounting and Financial Reporting for Other Postemployment Benefit have been removed from the operating expenses. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Total sewer and water revenues increased 17.6% from \$4.59 million in 2023 to \$5.40 million in 2025 due to rate increases. Operating expenses increased 18.6% from \$3.42 million to \$4.06 million during the same period due largely to increases in repairs and maintenance, insurance and salaries. The debt coverage ratio was 1.3, 0.9, and 0.5 in 2023, 2024, and 2025.

The balance sheet reflects a current ratio of 1.0, a debt-to-equity ratio of 1.0, 63.0 days of sales in accounts receivable, and 4.8 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Sewer revenues will increase 2% each year due to COLA increases.
- 2) Water revenues will increase 6% each year through 2029 and 3% yearly thereafter due to COLA increases.
- 3) Expenses for sewer and water will increase 3% each year due to inflation.
- 4) Debt service coverage is 1.3 in FY2029 when principal and interest repayments begin.

Based on the pro forma assumptions, the utility shows adequate cash flow to repay the KIA Fund A loan.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$144,000 total) of the final amount borrowed (prior to principal forgiveness) to be funded annually (\$7,200 yearly) each December 1 for 20 years and maintained for the life of the loan.

X. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
Series 2020A Revenue Bonds	\$ 8,305,000	2061
Series 2020B Revenue Bonds	2,962,000	2061
Series 2013 Revenue Bonds	1,558,500	2054
Series 2016A Revenue Bonds	1,165,000	2057
Series 2016B Revenue Bonds	603,000	2057
Series 2015 Revenue Bonds	576,500	2056
Series 2012C Revenue Bonds	1,580,000	2040
Series 2015E Revenue Bonds	1,242,500	2043
Series 2020C Revenue Bonds	1,192,500	2046
KIA Loan F209-01	128,441	2030
Series 2023A Revenue Bonds	1,855,975	2025
Bank Loan	42,846	2027
KIA Loan B23-002	610,000	2045
KIA Loan F24-005 (i.a.o. \$2,894,924)	0	TBD
KIA Loan F24-013S (i.a.o. \$4,277,500)	0	TBD
KIA Loan F25-016S (i.a.o. \$4,522,000)	0	TBD
Total	\$21,822,262	

XI. CONTACTS

Legal Applicant	
Entity Name	City of Springfield fbo Springfield Water & Sewer Commission
Authorized Official	Chris Essex (Mayor)
County	Washington
Email	chris.essex@springfieldky.org
Phone	859-336-5440
Address	PO Box 307 603 W Main Street Springfield, KY 40069

Applicant Contact/Project Administrator

Name Angela Culver
Organization Springfield Water & Sewer Commission
Email angela.culver@springfieldwater.org
Phone 859-336-5454
Address PO Box 307
 Springfield, KY 40069

Project Administrator

Name Angela Culver
Organization Springfield Water & Sewer Commission
Email angela.culver@springfieldwater.org
Phone 859-336-5454
Address PO Box 307
 Springfield, KY 40069

Consulting Engineer

PE Name Jonathan R. Walton
Email reese.walton@hdrinc.com
Phone 502-909-3285
Address 1615 Clearview Drive
 Louisville, KY 40222

XII. RECOMMENDATIONS

KIA staff recommends approval of the loan with the standard conditions.

**CITY OF SPRINGFIELD FBO SPRINGFIELD WATER & SEWER COMMISSION
FINANCIAL SUMMARY (JUNE YEAR END)**

	<u>Audited 2023</u>	<u>Audited 2024</u>	<u>Audited 2025</u>	<u>Projected 2026</u>	<u>Projected 2027</u>	<u>Projected 2028</u>	<u>Projected 2029</u>	<u>Projected 2030</u>
Balance Sheet								
Assets								
Current Assets	2,011,490	2,204,729	2,795,957	2,578,125	2,757,274	2,968,594	3,116,791	3,540,688
Other Assets	46,944,567	49,535,004	50,702,657	48,039,459	46,987,300	56,112,346	59,074,685	57,110,635
Total	48,956,057	51,739,733	53,498,614	50,617,584	49,744,574	59,080,940	62,191,476	60,651,323
Liabilities & Equity								
Current Liabilities	1,820,783	1,158,225	2,928,021	1,267,693	1,497,625	1,590,075	1,576,977	1,564,728
Long Term Liabilities	24,944,481	27,272,329	23,325,791	22,095,444	21,038,665	25,452,661	28,854,030	27,753,648
Total Liabilities	26,765,264	28,430,554	26,253,812	23,363,137	22,536,290	27,042,736	30,431,007	29,318,376
Net Assets	22,190,793	23,309,179	27,244,802	27,254,447	27,208,284	32,038,204	31,760,469	31,332,947
Cash Flow								
Revenues	4,591,062	4,722,129	5,400,939	5,633,745	5,879,180	6,137,974	6,410,900	6,572,974
Operating Expenses	3,420,611	3,955,770	4,057,103	4,182,816	4,308,180	4,437,305	4,606,704	4,743,693
Other Income	52,572	129,077	153,350	153,350	153,350	153,350	153,350	153,350
Cash Flow Before Debt Service	1,223,023	895,436	1,497,186	1,604,279	1,724,350	1,854,019	1,957,546	1,982,631
Debt Service								
Existing Debt Service	968,061	1,021,913	3,103,016	2,894,118	1,040,104	1,020,421	1,370,009	1,563,414
Proposed KIA Loan	0	0	0	0	0	0	82,051	82,051
Total Debt Service	968,061	1,021,913	3,103,016	2,894,118	1,040,104	1,020,421	1,452,060	1,645,465
Cash Flow After Debt Service	254,962	(126,477)	(1,605,830)	(1,289,839)	684,246	833,598	505,486	419,217
Ratios								
Current Ratio	1.1	1.9	1.0	2.0	1.8	1.9	2.0	2.3
Debt to Equity	1.2	1.2	1.0	0.9	0.8	0.8	1.0	0.9
Days Sales in Accounts Receivable	49.0	64.0	63.0	63.0	63.0	63.0	63.0	63.0
Months Operating Expenses in Unrestricted Cash	3.8	3.6	4.8	3.9	4.2	4.5	4.6	5.7
Debt Coverage Ratio	1.3	0.9	0.5	0.6	1.7	1.8	1.3	1.3

EXECUTIVE SUMMARY		Reviewer	Julie Bickers
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	May 21, 2026
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW359
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21227066
GRANTEE	BOWLING GREEN MUNICIPAL UTILITIES WARREN COUNTY		
BRIEF DESCRIPTION			
In the event of a power loss, the pump station does not have backup power. This purchase and installation would provide backup power to water distribution pump station.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW359	\$205,000	Eng - Design / Const	#DIV/0! #DIV/0! \$40,000
CWP Grant Supplemental Funds	228,621	Equipment	480,118
CWP Grant 22CWW403	86,497		
TOTAL	\$520,118	TOTAL	\$520,118
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 20,694	<u>Avg. Bill</u> \$ 29.44 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Warren County	\$ 205,000.00	Approved August 29, 2024
County Allocation Pool	Reallocation	\$ 228,621.13	Pending Approval May 21, 2026
	Total	\$ 433,621.13	
Notes:			
This grant received additional funds through the reallocation of remaining funds from a previously approved grant. Previous Grantee: Bowling Green Municipal Utilities Previous Grant #21CWW211 Previous Project: Yoke Meter Set Replacement Previous WRIS #WX21227092 Prior Approval Date: March 15, 2022			

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT	Reviewer CPBOC Date KIA Grant Number WRIS Number	Julie Bickers May 21, 2026 21CWW371 WX21197021
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GRANTEE	POWELL'S VALLEY WATER DISTRICT POWELL COUNTY
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BRIEF DESCRIPTION

WX21197021 Amended to Include WX21197019 This project will upgrade existing pumps stations and tanks and install water mains to replace undersized mains and connect mains to eliminate dead ends. Work on the tanks includes sandblasting and painting of the Furnace Mountain Tank and replacement of 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 replacement of the existing glue-joint Black Creek Road water mains, installation of new mains for Snow Creek Stone Road and Stone Road to eliminate dead end lines, Mulch Plant Parkway Bore and Brush Creek Parkway Bore. The project also includes adding radio read capabilities to existing water meters. The project also will relocate the Ballard Branch underground 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 Powells 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. 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 while maintaining service. New water mains into and out of the station will be required due to the relocation and pressure classes of the mains. This project is independent from WX21197023.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW371	\$150,392	Administrative Expenses			\$78,800
22HB001 Line Item Grant 22KFW008	1,000,000	Legal Expenses			24,100
24HB001 Line Item Grant 24KGW123	1,000,000	Land, Easements			100,000
Other Funding	3,533,607	Eng - Design / Const	6.8%	7.2%	334,902
		Eng - Insp	3.6%	3.8%	177,207
		Eng - Other			30,500
		Construction			4,217,900
		Equipment			200,000
		Contingency			441,790
		Other			78,800
TOTAL	\$5,683,999	TOTAL			\$5,683,999

PROFESSIONAL SERVICES	Engineer	MSE of Kentucky, Inc.
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PROJECT SCHEDULE	Bid Opening	TBD
	Construction Start	TBD
	Construction Stop	TBD

RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	2,537	\$ 46.43 (for 4,000 gallons)
	Additional	30	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Powell County	\$ 150,392.00
	Total	\$ 150,392.00

Notes:

This grant is a reallocation from a previously approved grant.
 Previous Grantee: Powell's Valley Water District
 Previous Grant #21CWW313
 Previous Project: PVWD - Ballard Branch Pump Station Relocation
 Previous WRIS #WX21197019
 Prior Approval Date: December 27, 2022

EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER AND WASTEWATER GRANT PROGRAM
CLEANER WATER PROGRAM GRANT

Reviewer Julie Bickers
 CPBOC Date May 21, 2026
 KIA Grant Number 22CWW401
 WRIS Number WX21035008

GRANTEE MURRAY, CITY OF
 CALLOWAY COUNTY

BRIEF DESCRIPTION

* South 10th, from Vine to the dead end (4 Inch) water line replacement. * South 11th, from Sycamore to Pogue (6 inch) water line replacement. * 7th from Olive to Main (6 inch) water line replacement. * 13th from Main to Poplar (6 inch) water line replacement. * Story from 8th to the dead end (6 inch) water line replacement. * Raw water well# 1, Lowered and grouted at the Water Treatment Plant. * Water GEMS software for the Water Treatment Plant. * GRW Model to update our water master plan for the water distribution system.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW401	\$641,600	Eng - Other			\$15,000
		Construction			616,600
		Contingency			10,000
TOTAL	\$641,600	TOTAL			\$641,600

PROFESSIONAL SERVICES Engineer STV Incorporated

PROJECT SCHEDULE
 Bid Opening June 18, 2026
 Construction Start July 1, 2026
 Construction Stop October 1, 2026

RESIDENTIAL RATES

	Users	Avg. Bill
Current	10,079	\$ 23.08 (for 4,000 gallons)
Additional	4	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Calloway County	\$ 641,600.00
	Total	\$ 641,600.00

Notes:

This grant is a reallocation of remaining funds from a previously approved grant.
 Previous Grantee: City of Murray
 Previous Grant #22CWW390
 Previous Project: 641 N. Water Tank Supply Line Test
 Previous WRIS #WX21035049
 Prior Approval Date: June 24, 2025

EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER AND WASTEWATER GRANT PROGRAM
CLEANER WATER PROGRAM GRANT

Reviewer Julie Bickers
 CPBOC Date May 21, 2026
 KIA Grant Number 22CWW402
 WRIS Number WX21035007

GRANTEE MURRAY, CITY OF
 CALLOWAY COUNTY

BRIEF DESCRIPTION

The City of Murray would like to extend a 8" PVC line approx. 450 LF. from the existing 8" line on Post Oak to the existing 8" line on Hwy 94 east. This project will also consist of extending a 8" PVC line on the other end of Post Oak about 300 LF to the existing 8" line on Hwy 280. This project will also pick up approx. 15 new customers. Extend 8" PVC line approximately 707 LF from existing line on east side of creek along Tabard Drive. This will create a loop in the system for that area.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW402	\$270,000	Construction			\$270,000
TOTAL	\$270,000	TOTAL			\$270,000

PROFESSIONAL SERVICES Engineer GRW Engineers, Inc.

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 10,079 Avg. Bill \$ 23.08 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Calloway County	\$ 270,000.00		
	Total	\$ 270,000.00		

Notes:

This grant is a reallocation of remaining funds from a previously approved grant.
 Previous Grantee: City of Murray
 Previous Grant #22CWW390
 Previous Project: 641 N. Water Tank Supply Line Test
 Previous WRIS #WX21035049
 Prior Approval Date: June 24, 2025

EXECUTIVE SUMMARY		Reviewer	Julie Bickers
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	May 21, 2026
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	22CWW403
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21227066
GRANTEE	BOWLING GREEN MUNICIPAL UTILITIES WARREN COUNTY		
BRIEF DESCRIPTION			
In the event of a power loss, the pump station does not have backup power. This purchase and installation would provide backup power to water distribution pump station.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW403	\$86,497	Eng - Design / Const	#DIV/0! #DIV/0! \$40,000
CWP Grant 21CWW359	433,621	Equipment	480,118
TOTAL	<u>\$520,118</u>	TOTAL	<u>\$520,118</u>
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 20,694	<u>Avg. Bill</u> \$ 29.44 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Warren County	\$ 86,497.00	
	Total	\$ 86,497.00	
Notes:			
This grant is a reallocation of remaining funds from a previously approved grant. Previous Grantee: Bowling Green Municipal Utilities Previous Grant #22CWW378 Previous Project: Water Treatment Plant Filter Building 1 Filter Renovations Previous WRIS #WX21227114 Prior Approval Date: August 29, 2024			

EXECUTIVE SUMMARY		Reviewer	Julie Bickers
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	May 21, 2026
ARPA STATE FISCAL RECOVERY FUND		KIA Grant Number	22KFW003
HB1 2022 RS LINE ITEM - FEDERAL		WRIS Number	WX21163044
GRANTEE	BRANDENBURG, CITY OF MEADE COUNTY		
BRIEF DESCRIPTION			
This project will upgrade the City's water plant to treat high levels of manganese and iron. It will also put the City in a position to upgrade the plant production to 2 million gallons per day. This project includes a new well for the City.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
HB1 ARPA SFRF Line Item - Water Grant - 22KFW003	\$1,000,000	Eng - Design / Const	11.0% 4.2% \$57,390
HB1 ARPA Line Item Supplemental Funds	1,000,000	Eng - Other	7,620
Local Funds	138,762	Construction	1,313,100
		Equipment	720,652
		Contingency	40,000
TOTAL	\$2,138,762	TOTAL	\$2,138,762
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.	
PROJECT SCHEDULE	Bid Opening	May 1, 2023	
	Construction Start	August 1, 2023	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,592	<u>Avg. Bill</u> \$ 26.16 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	County	Allocated Amount	
HB 1 - 2022 RS Line Item	Meade	\$ 1,000,000.00	Approved December 15, 2022
HB 1 - 2022 RS Line Item	Reallocation	\$ 1,000,000.00	Pending Approval May 21, 2026
	Total	\$ 2,000,000.00	
Notes:			
This grant received additional funds from the reallocation of a previously approved grant. Previous Grantee: City of Brandenburg Previous Grant #22KFW002 Previous Project: Water Tank at NUCOR Previous WRIS #WX21163038 Prior Approval Date: December 15, 2022			

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-130
WRIS Number WX21095015

APPLICANT CITY OF EVARTS
HARLAN COUNTY

BRIEF DESCRIPTION

The City of Evarts Is proposing to construct a new 800,000 gallon per day water treatment plant to replace their existing water treatment plant. The new plant will be constructed in the immediate vicinity of the existing plant and use the same raw water sources. The project will include two IMGD treatment trains, new water intake, dredging existing drain, and new high service pumps.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$926,000	Administrative Expenses	\$100,000
Funding Source 1	5,000,000	Legal Expenses	100,000
Funding Source 2	2,000,000	Land, Easements	40,000
Funding Source 3	2,000,000	Relocation Expense & Payments	-
Funding Source 4	3,000,000	Planning	25,000
Funding Source 5	6,073,800	Eng - Design / Const	1,001,600
		Eng - Insp	643,825
		Eng - Other	75,000
		Construction	15,650,000
Local Funds	200	Equipment	-
	-	Contingency	1,364,575
TOTAL	\$19,000,000	TOTAL	\$19,000,000

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer Sisler - Maggard Engineering

PROJECT SCHEDULE Bid Opening October 1, 2024
Construction Start January 1, 2025
Construction Stop January 1, 2026

DEBT PER CUSTOMER Existing \$963

RESIDENTIAL RATES Current Users 983 Avg. Bill \$48.20 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

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

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-029
WRIS Number WX21159034

APPLICANT MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

The project includes replacement of the existing underground, flood prone, 160 gpm 292 Booster pump station, piping, valves, control panels, instruments, gages, flow meter, structure, electrical service, telemetry, and appurtenances. Also included in the project is the replacement of 300 feet of 8-inch water supply piping, valves, and appurtenances. The 292 Booster Station is a key component in maintaining sufficient water pressure and distribution throughout Martin County. The station is currently housed underground, exposing critical infrastructure to flooding and operational hazards. The station lacks redundancy and a flow meter, limiting operational reliability and the District's ability to monitor water loss. The water line infrastructure connected to the station is aging and requires replacement to restore system efficiency and pressure consistency. Decommission the existing underground station and construct a new above-ground booster station, protected from flood risk
Install a flow meter to support the District's water loss prevention and monitoring program
Incorporate system redundancy, including dual pumping capacity and backup power, to ensure continuous service during outages or maintenance
Replace the adjacent aging water lines to improve pressure stability and reduce leakage
Conduct start-up testing and performance verification to ensure full operational functionality, supporting the District's long-term strategy to upgrade water infrastructure, improve compliance, and reduce emergency repair cost

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$964,850	Administrative Expenses	\$153,900
Local Funds	139,050	Eng - Design / Const	86,000
		Eng - Insp	48,000
		Eng - Other	23,000
		Construction	755,000
		Contingency	-
		Other	38,000
TOTAL	\$1,103,900	TOTAL	\$1,103,900

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer N/A

PROJECT SCHEDULE Bid Opening March 1, 2026
Construction Start June 1, 2026
Construction Stop June 1, 2027

DEBT PER CUSTOMER Existing \$1,118

RESIDENTIAL RATES Current Users 3,287 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6
Audited 2024	74,284	200,750	(126,466)	0.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-030
WRIS Number WX21159035

APPLICANT MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

The project includes replacement of the Davella Road 350 gpm pump station, piping, valves, control panels, instruments, gages, flow meter, structure, electrical service, telemetry, and appurtenances. Also included in the project is the replacement of 26,000 feet of 8-inch water supply piping, fire hydrants, valves, and appurtenances.

PROJECT FINANCING

Fund KYWWATERS \$6,471,900
Local Funds 1,489,550

PROJECT BUDGET

Administrative Expenses \$1,038,450
Eng - Design / Const 450,000
Eng - Insp 180,000
Eng - Other 103,000
Construction 5,418,000
Contingency 515,000
Other 257,000

TOTAL \$7,961,450

TOTAL \$7,961,450

REPAYMENT

Rate 0.50%
Term 30 Years

PROJECT SCHEDULE

Bid Opening 03.01.2026
Construction Start 06.01.2026
Construction Stop 06.01.2027

DEBT PER CUSTOMER

Existing \$1,118

RESIDENTIAL RATES

Current Users 3,287 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION

This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6
Audited 2024	74,284	200,750	(126,466)	0.4

EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND

Reviewer Rick Harris
 Date November 6, 2025
 KIA Id Number W26-031
 WRIS Number WX21159029

APPLICANT MARTIN COUNTY WATER DISTRICT
 MARTIN COUNTY

BRIEF DESCRIPTION

Service Debt - \$3,294,561.37 – This will be used to pay off existing debt that the water district has.
 AWR \$336,854.14 (originally used for operations and maintenance) 2015 Bond \$1,455,000.00 (originally used to pay off existing bonds that was originally used for plant improvement and line extensions for the water system.)
 2015 Bond Premium \$14,782.83 (originally used for to pay off existing bonds that was originally used for plant improvement and line extensions for the water system.)
 KIA Loan \$1,239,136.40 (originally used for for consolidation of old debt.)
 Magnolia Bank \$248,788.00 (originally used for for trucks for the water department.)

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$3,294,561	Administrative Expenses	\$0
		Other	3,294,561
TOTAL	\$3,294,561	TOTAL	\$3,294,561

REPAYMENT Rate 0.50%
 Term 30 Years

PROFESSIONAL SERVICES Engineer 0

PROJECT SCHEDULE Bid Opening March 1, 2027
 Construction Start June 1, 2027
 Construction Stop June 1, 2028

DEBT PER CUSTOMER Existing \$1,118

RESIDENTIAL RATES Current Users 3,287 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6
Audited 2024	74,284	200,750	(126,466)	0.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-032
WRIS Number WX21159033

APPLICANT MARTIN COUNTY WATER DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

The project is needed to maintain compliance with the Risk and Resilience Assessments (RRAs) of the America's Water Infrastructure Act as the RRAs evaluates the resilience of storage tanks and related infrastructure and shall be updated every 5 years.

PROJECT FINANCING

Fund KYWWATERS \$769,210
Local Funds 170,340

TOTAL \$939,550

PROJECT BUDGET

Administrative Expenses \$122,550
Eng - Design / Const 71,000
Eng - Insp 41,000
Eng - Other 12,000
Construction 603,000
Contingency 60,000
Miscellaneous 30,000
TOTAL \$939,550

REPAYMENT

Rate 0.50%
Term 30 Years

PROJECT SCHEDULE

Bid Opening 03.01.2026
Construction Start 06.01.2026
Construction Stop 06.01.2027

DEBT PER CUSTOMER

Existing \$1,118

RESIDENTIAL RATES

Current Users 3,287 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION

This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before		Cash Flow After Debt Service	Coverage Ratio
	Debt Service	Debt Service		
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6
Audited 2024	74,284	200,750	(126,466)	0.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-151
WRIS Number SX21071023

APPLICANT CITY OF MARTIN
FLOYD COUNTY

BRIEF DESCRIPTION

This project will replace the geotextile liner and aerator in the flow equalization basin and install a new fine screen at the City of Martin, Floyd County wastewater treatment plant.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$514,800	Administrative Expenses	\$20,500
Local Funds	32,900	Eng - Design / Const	43,700
		Eng - Insp	32,500
		Construction	410,000
		Contingency	41,000
TOTAL	\$547,700	TOTAL	\$547,700

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer 0

PROJECT SCHEDULE Bid Opening March 1, 2027
Construction Start June 1, 2027
Construction Stop June 1, 2028

DEBT PER CUSTOMER Existing \$7,703

RESIDENTIAL RATES Current Users 260 Avg. Bill \$47.52 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	139,210	34,674	104,536	4.0
Audited 2023	(51,432)	34,960	(86,392)	-1.5
Audited 2024	(156,441)	36,051	(192,492)	-4.3

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-096
WRIS Number SX21045007

APPLICANT CITY OF LIBERTY
CASEY COUNTY

BRIEF DESCRIPTION

Based on the existing WWTP capabilities and needs for repairs/maintenance and need for additional treatment capacity to comply with current demand and receiving dramatically varied wastewater flows, this project will expand the City of Liberty's WWTP from 0.64 MGD to 1.2 MGD. The WWTP will have significantly better capabilities to treat large variations in influent flow and influent loadings. This expansion should serve the City of Liberty both now and well into the future. The City has received multiple Notices of Violation over the past few years. In order to meet regulatory requirements, expanding the WWTP is proposed. The plant expansion will include new influent pumps, influent flowmeter, screening, grit removal, oxidation ditch, clarifier splitter, clarifier, RAW/WAS improvements, UV upgrade and associated yard piping, electrical, SCADA, etc. Replacing existing slide gates, modifying overflow piping, HVAC modifications and painting existing digester piping is also included.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$12,563,000	Administrative Expenses	\$30,000
Local Funds	537,000	Planning	50,000
		Eng - Design / Const	687,000
		Eng - Insp	433,000
		Eng - Other	86,000
		Construction	10,740,000
		Contingency	1,074,000
TOTAL	\$13,100,000	TOTAL	\$13,100,000

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer Kentucky Engineering Group PLLC

PROJECT SCHEDULE Bid Opening October 1, 2026
Construction Start January 1, 2027
Construction Stop March 1, 2027

DEBT PER CUSTOMER Existing \$9,316

RESIDENTIAL RATES Current Users 870 Avg. Bill \$52.25 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	608,092	500,961	107,131	1.2
Audited 2023	320,264	500,525	(180,261)	0.6
Audited 2024	572,025	496,015	76,010	1.2

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-046
WRIS Number WX21071013

APPLICANT SOUTHERN WATER AND SEWER DISTRICT
FLOYD COUNTY

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
- Akers Branch 3", (2,200') Customers – 6
- Keathley Fork 4", (6,400') Customers – 15
- Cager Branch 3", (2,700') Customers – 10
- Left Fork of Toler 3", (15,900') Customers – 60
- Meade Branch 3", (1,100') 3", Customers – 8
- Tan Yard 3", (3,200') Customers – 20
- Tinker Fork 3", (10,600') Customers – 50
- Rolling Stone Branch 3", (1,600') Customers – 10
- Muddy Gut 4" ,(2,900') Customers – 20
- Andy Branch 3", (1,200') Customers – 12
- Smokey Branch 3", (3,500') Customers – 15
- River Road 4", (1,500') Customers - 25

PROJECT FINANCING

Fund KYWWATERS \$3,106,890
Local Funds 127,500

TOTAL \$3,234,390

PROJECT BUDGET

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

REPAYMENT

Rate 0.50%
Term 30 Years

PROJECT SCHEDULE

Bid Opening 03.01.2027
Construction Start 05.15.2027
Construction Stop 06.15.2028

DEBT PER CUSTOMER

Existing \$1,035

RESIDENTIAL RATES

Current Users 5,393 Avg. Bill \$54.55 (for 4,000 gallons)

REGIONAL COORDINATION

This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,040,294	764,691	275,603	1.4
Audited 2022	696,465	780,719	(84,254)	0.9
Audited 2023	1,066,358	764,691	301,667	1.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-002
WRIS Number WX21071021

APPLICANT 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	\$900,500	Administrative Expenses	\$85,000
Local Funds	164,500	Land, Easements	20,000
		Eng - Design / Const	70,000
		Eng - Insp	60,000
Local Funds		Eng - Other	55,000
		Equipment	650,000
		Contingency	65,000
		Miscellaneous	60,000
TOTAL	\$1,065,000	TOTAL	\$1,065,000

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer N/A

PROJECT SCHEDULE Bid Opening March 1, 2027
Construction Start June 1, 2027
Construction Stop June 1, 2028

DEBT PER CUSTOMER Existing \$1,035

RESIDENTIAL RATES Current Users 5,393 Avg. Bill \$54.55 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,040,294	764,691	275,603	1.4
Audited 2022	696,465	780,719	(84,254)	0.9
Audited 2023	1,066,358	764,691	301,667	1.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-045
WRIS Number WX21071029

APPLICANT SOUTHERN WATER AND SEWER DISTRICT
FLOYD COUNTY

BRIEF DESCRIPTION

Southern Water and Sewer District requests to repay the outstanding debt with KYWWATERS funding to help with cash flow issues in turn allowing those funds to concentrate on day-to-day operations, maintenance and much needed infrastructure improvements. The ability to have these requested funds would help the district provide reliable, safe, quality water for the citizens of Floyd County and improves SW&SD's ability to provide service with our regional partners through emergency interconnects to the cities of Prestonsburg (2 locations) and Wheelwright (1 location).

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	4,211,643	Administrative Expenses	\$0
		Miscellaneous	4,211,643
TOTAL	\$4,211,643	TOTAL	\$4,211,643

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer N/A

PROJECT SCHEDULE Bid Opening 10.01.2026
Construction Start 12.01.2026
Construction Stop 12.01.2027

DEBT PER CUSTOMER Existing \$1,035

RESIDENTIAL RATES Current Users 5,393 Avg. Bill \$54.55 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,040,294	764,691	275,603	1.4
Audited 2022	696,465	780,719	(84,254)	0.9
Audited 2023	1,066,358	764,691	301,667	1.4

**EXECUTIVE SUMMARY
 KENTUCKY INFRASTRUCTURE AUTHORITY
 KY WWATERS FUND
 REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
 Date November 6, 2025
 KIA Id Number W26-122
 WRIS Number WX21195073

APPLICANT CITY OF ELKHORN CITY
 PIKE COUNTY

BRIEF DESCRIPTION

Elkhorn City wants to repay the outstanding debt with KYWWATERS funding to help with cash flow issues so they can use those funds to concentrate on day-to-day operations and maintenance. The ability to have these funds would aid the Non-capital: debt service

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.

Attachments: Debts list Elkhorn City \$1,296,212.47

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$1,296,212	Administrative Expenses	\$0
		Other	1,296,212
TOTAL	\$1,296,212	TOTAL	\$1,296,212

REPAYMENT	Rate	1.25%
	Term	30 Years

PROJECT SCHEDULE	Bid Opening	March 1, 2027
	Construction Start	June 1, 2027
	Construction Stop	June 1, 2028

RESIDENTIAL RATES	Users	Avg. Bill
Current	565	\$48.52 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

**EXECUTIVE SUMMARY
 KENTUCKY INFRASTRUCTURE AUTHORITY
 KY WWATERS FUND
 REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
 Date November 6, 2025
 KIA Id Number W26-140
 WRIS Number WX21139044

APPLICANT CITY OF SMITHLAND
 LIVINGSTON COUNTY

BRIEF DESCRIPTION

This project will install approximately 6,062 LF of 6 inch PVC new and replacement water lines, Rehab a water tank, 2 new Master Meters, a hydrant, and replace customer water meters. The system started in 1939, and approximately 4,400 LF of cast iron pipes from the initial build currently in service will be replaced. These lines have exceeded their expected service life and may be contributing to system challenges related to disinfection by-products (DBP), water loss and impedes unidirectional flushing. Replacing the waterlines aims to lower DBP formation, improve system hydraulics, and reduce water loss.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$1,164,665	Administrative Expenses	\$60,000
Local Funds	135,335	Eng - Design / Const	88,000
		Eng - Insp	57,000
Local Funds		Construction	620,000
		Equipment	339,300
		Contingency	135,700
TOTAL	\$1,300,000	TOTAL	\$1,300,000

REPAYMENT Rate 1.25%
 Term 30 Years

PROFESSIONAL SERVICES Engineer N/A

PROJECT SCHEDULE Bid Opening July 1, 2026
 Construction Start October 1, 2026
 Construction Stop July 1, 2027

RESIDENTIAL RATES Current Users 267 Avg. Bill \$51.69 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-109
WRIS Number WX21047047

APPLICANT CITY OF OAK GROVE
CHRISTIAN COUNTY

BRIEF DESCRIPTION

This project involves construction of a new 16-inch ductile iron water line across Interstate 24, a new 12-inch ductile iron water main connecting to the new 16-inch line and extending eastward along Carneal Lane to connect with an existing 6-inch line, and a new 500,000-gallon composite elevated water storage tank.

We expect to have soils information in the next few weeks that will help us to determine the tank location, and thereby the length and size of piping. We will proceed assuming that the tank will be on the Buc-ee's site, but that is still to be determined. This is similar to the location originally proposed for the tank, so the following pipe lengths should be close: 16" DIP water Line 7,600 LF and 12" DIP Water Line 5,800 LF.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$2,000,000	Administrative Expenses	\$40,000
Funding Source 1	1,900,000	Legal Expenses	20,000
Funding Source 2	2,130,000	Planning	135,000
Funding Source 3	2,000,000	Eng - Design / Const	525,000
Funding Source 4	1,600,000	Eng - Insp	305,000
		Construction	7,640,000
		Contingency	765,000
		Miscellaneous	200,000
			0
TOTAL	\$9,630,000	TOTAL	\$9,630,000

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer McGhee Engineering

PROJECT SCHEDULE Bid Opening February 1, 2026
Construction Start May 1, 2026
Construction Stop December 31, 2027

DEBT PER CUSTOMER Existing \$775

RESIDENTIAL RATES Current Users 3,972 Avg. Bill \$37.72 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(25,386)	95,000	(120,386)	-0.3
Audited 2022	(57,978)	0	(57,978)	n/a
Audited 2023	(49,891)	0	(49,891)	n/a

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-024
WRIS Number SX21159023

APPLICANT MARTIN COUNTY SANITATION DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

The project will replace the existing undersized 6-inch sanitary sewer that provides service to the Inez Elementary school. The project includes approximately 6,000 liner feet of 8-inch gravity sewer PVC SDR-35 pipe, 18 manholes, and 200-feet of 16-inch steel casing pipe to be bore and jack under KY 545.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$1,687,380	Administrative Expenses	\$269,100
Local Funds	375,720	Eng - Design / Const	145,000
		Eng - Insp	75,000
		Eng - Other	40,000
		Construction	1,334,000
		Contingency	133,000
		Miscellaneous	67,000
TOTAL	\$2,063,100	TOTAL	\$2,063,100

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer Prime Ae Group

PROJECT SCHEDULE Bid Opening 03.01.2027
Construction Start 05.01.2027
Construction Stop 05.01.2028

DEBT PER CUSTOMER Existing \$1,993

RESIDENTIAL RATES Current Users 857 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	(13,214)	84,004	(97,218)	-0.2
Audited 2023	178,935	84,292	94,643	2.1
Audited 2024	201,397	84,577	116,820	2.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-025
WRIS Number SX21159020

APPLICANT MARTIN COUNTY SANITATION DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

County Wide Lift Station Replacements
Lift Stations for Inez WWTP
A.County Garage Lift Station Improvement , B.Save-A-Lot Lift Station Replacement, C.Saltwell Lift Station Improvement D.Davis Branch Lift Station Improvements, E.Quall Hollow Lift Station Replacement , F.Harden Bottom Lift Station Replacement, G.Black Log Lift Station Improvement
Lift Stations for Tug Valley WWTP
H.Riverside Lift Station Improvements, I.Dempsey List Station Improvements , J.IGA Lift Station Improvements
K.Middle School List Station Replacement , L.Riverside Duplex Lift Station Replacement , M.Locust Court Lift Station Improvements

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$6,596,750	Administrative Expenses	\$1,283,813
		Eng - Design / Const	482,000
		Eng - Insp	193,000
		Eng - Other	55,000
		Construction	5,505,000
		Equipment	-
Local Funds	1,748,063	Miscellaneous	826,000
		Other	-
TOTAL	\$8,344,813	TOTAL	\$8,344,813

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer Prime Ae Group

PROJECT SCHEDULE Bid Opening 03.01.2027
Construction Start 05.01.2027
Construction Stop 05.01.2029

DEBT PER CUSTOMER Existing \$1,993

RESIDENTIAL RATES Current Users 857 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	(13,214)	84,004	(97,218)	-0.2
Audited 2023	178,935	84,292	94,643	2.1
Audited 2024	201,397	84,577	116,820	2.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-026
WRIS Number SX21159021

APPLICANT MARTIN COUNTY SANITATION DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

Martin County Sanitation district wants to repay the outstanding debt with KYWWAERS funding to help with cash flow issues so they can use those funds to concentrate on day-to-day operations and maintenance. The ability to have these funds would help the district meet the discharge permits and prevent illegal discharges into the KY waters

Sewer Debt	Amount
AWR <input type="checkbox"/>	\$341,259.01 (originally used for operations and maintenance for the Inez & Tug Valley treatment plants as well as the sewer collection system.)
Evans <input type="checkbox"/>	\$19,533.15 (originally used for parts and material for maintaining the sanitation department.)
Howells Recycling <input type="checkbox"/>	\$6,050.00 (originally used for sludge disposal.)
Linda Sumpter CPA <input type="checkbox"/>	\$30,405.40 (originally used for accounting and audits for the sanitation department.)
United Rental <input type="checkbox"/>	\$13,421.66 (originally used for pump rebuilds and pump rental for the sanitation department.)
Zip Zone <input type="checkbox"/>	\$50,760.47 (originally used for fuel for the trucks to maintain the sanitation department.)
2011 Bond <input type="checkbox"/>	\$364,980.00 (originally used for the purpose of financing the cost of the construction of extensions, additions, and improvements to the sewer system.)
2014 Bond <input type="checkbox"/>	\$1,343,369.91 (originally used for the purpose of financing the cost of the construction of extensions, additions, and improvements to the sewer system.)
<input type="checkbox"/>	
Total \$2,169,779.60	

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$2,169,799	Administrative Expenses	\$151,885
Local Funds	151,885	Miscellaneous	2,169,799
TOTAL	\$2,321,684	TOTAL	\$2,321,684

REPAYMENT	Rate	0.50%
	Term	30 Years

PROJECT SCHEDULE	Bid Opening	04.01.2027
	Construction Start	06.01.2027
	Construction Stop	06.01.2028

DEBT PER CUSTOMER	Existing	\$1,993
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RESIDENTIAL RATES	Current	<u>Users</u> 857	<u>Avg. Bill</u> \$62.62 (for 4,000 gallons)
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REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	(13,214)	84,004	(97,218)	-0.2
Audited 2023	178,935	84,292	94,643	2.1
Audited 2024	201,397	84,577	116,820	2.4

**EXECUTIVE SUMMARY
KENTUCKY INFRASTRUCTURE AUTHORITY
KY WWATERS FUND
REVOLVING LOAN / GRANT FUND**

Reviewer Rick Harris
Date November 6, 2025
KIA Id Number W26-027
WRIS Number SX21159013

APPLICANT MARTIN COUNTY SANITATION DISTRICT
MARTIN COUNTY

BRIEF DESCRIPTION

The Inez Wastewater Treatment Plant (WWTP) was originally constructed in 1989, with 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. The Scope of Work for the WWTP Improvements Project includes but is not limited to site work, headworks with influent flow metering / monitoring, 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 valves, yard piping, supervisory control and data acquisition (SCADA), upgrades to the electrical system, and a chemical feed building with chemical feed systems. 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 WWTP.

PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS	\$3,864,100	Administrative Expenses	\$1,130,100
Local Funds	4,800,000	Planning	30,000
		Eng - Design / Const	512,000
		Eng - Insp	205,000
		Eng - Other	59,000
		Construction	5,850,000
		Contingency	585,000
		Other	293,000
TOTAL	\$8,664,100	TOTAL	\$8,664,100

REPAYMENT Rate 0.50%
Term 30 Years

PROFESSIONAL SERVICES Engineer Prime AE Group

PROJECT SCHEDULE Bid Opening 08.01.2027
Construction Start 10.01.2027
Construction Stop 04.01.2028

DEBT PER CUSTOMER Existing \$1,993

RESIDENTIAL RATES Current Users 857 Avg. Bill \$62.62 (for 4,000 gallons)

REGIONAL COORDINATION This project has been approved by the Area Water Management Council.

CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2022	(13,214)	84,004	(97,218)	-0.2
Audited 2023	178,935	84,292	94,643	2.1
Audited 2024	201,397	84,577	116,820	2.4