



**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 Federal / State		Clean Water Federal	Drinking Water Federal	Infrastructure State	Governmental Agencies State	
Selection Basis		Priority List	Priority List	First Come First Served	First Come First Served	
Types of Infrastructure		Wastewater	Drinking Water	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 Environmental Review American Iron and Steel Fiscal Sustainability Plan Build America Buy America	Davis Bacon Environmental Review American Iron and Steel 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.

**Kentucky Infrastructure Authority
 Projects for November 2023
 Capital Projects and Bond Oversight Committee**

• **Fund B Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
B24-005	Allen County Water District	\$ 700,000	\$ 700,000	Allen

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 2, 2023	
FUND B, INFRASTRUCTURE		KIA Loan Number	B24-005	
REVOLVING LOAN FUND		WRIS Number	WX21003029	
BORROWER	ALLEN COUNTY WATER DISTRICT ALLEN COUNTY			
BRIEF DESCRIPTION				
The Allen County Water District is requesting a Fund B loan in the amount of \$700,000 for the Walkers Chapel Water Tank Project. This project will construct a new 300,000-gallon elevated storage tank to replace an aging 170,000-gallon glass lined standpipe allowing for proper turnover of the tank and providing additional storage for existing customers. The existing standpipe has had its coating system compromised by prior repair attempts and shows further corrosion during inspections with the potential to create poor water quality. The project will also rehab the Halfway Booster Station with energy efficient upgrades to pumps, controls and VFDs allowing the District to have additional operational flexibility.				
PROJECT FINANCING		PROJECT BUDGET		
B24-005	\$700,000	Land, Easements	10,000	
22CWW064	500,000	Planning	15,000	
		Eng - Design / Const	81,000	
		Eng - Insp	51,000	
		Construction	925,000	
		Contingency	118,000	
TOTAL	<u>\$1,200,000</u>	TOTAL	<u>\$1,200,000</u>	
REPAYMENT	Rate	1.25%	Est. Annual Payment	\$41,066
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering, PLLC		
	Bond Counsel	Dinsmore & Shohl, LLP		
PROJECT SCHEDULE	Bid Opening	Jan-24		
	Construction Start	Apr-24		
	Construction Stop	Aug-24		
DEBT PER CUSTOMER	Existing			\$712
	Proposed			\$729
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>	
		6,449	\$39.13	(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 2020	598,163	378,966	219,197	1.6
Audited 2021	795,401	429,482	365,919	1.9
Audited 2022	881,396	406,364	475,032	2.2
Projected 2023	850,161	457,216	392,945	1.9
Projected 2024	818,301	479,108	339,193	1.7
Projected 2025	785,804	500,572	285,232	1.6
Projected 2026	752,657	501,126	251,531	1.5
Projected 2027	718,847	501,352	217,495	1.4

Reviewer: Sandy Sanders
 Date: Nov. 2, 2023
 Loan Number: B24-005

**KENTUCKY INFRASTRUCTURE AUTHORITY
 INFRASTRUCTURE REVOLVING LOAN FUND (FUND B)
 ALLEN COUNTY WATER DISTRICT, ALLEN COUNTY
 PROJECT REVIEW
 WX21003029**

I. PROJECT DESCRIPTION

The Allen County Water District is requesting a Fund B loan in the amount of \$700,000 for the Walkers Chapel Water Tank Project. This project will construct a new 300,000-gallon elevated storage tank to replace an aging 170,000-gallon glass lined standpipe allowing for proper turnover of the tank and providing additional storage for existing customers. The existing standpipe has had its coating system compromised by prior repair attempts and shows further corrosion during inspections with the potential to create poor water quality. The project will also rehab the Halfway Booster Station with energy efficient upgrades to pumps, controls and VFDs allowing the District to have additional operational flexibility.

The Allen County Water District currently serves 6,006 residential customers, 442 commercial customers and 1 wholesale customer. The District purchases water from the Glasgow Water Company and sells to the City of Scottsville.

II. PROJECT BUDGET

	Total
Land, Easements	\$ 10,000
Engineering Fees - Design	57,000
Engineering Fees - Construction	24,000
Engineering Fees - Inspection	51,000
Construction	925,000
Contingency	118,000
Total	\$ 1,200,000

III. PROJECT FUNDING

	Amount	%
B24-005	\$ 700,000	58%
22CWW064	500,000	42%
Total	\$ 1,200,000	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 700,000
Less: Principal Forgiveness	0
Amortized Loan Amount	<u>\$ 700,000</u>
Interest Rate	1.25%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 39,666
Administrative Fee (0.20%)	<u>1,400</u>
Total Estimated Annual Debt Service	\$ 41,066

V. PROJECT SCHEDULE

Bid Opening:	January 16, 2024
Construction Start:	April 8, 2024
Construction Stop:	August 26, 2024

VI. RATE STRUCTURE

A. Customers

Customers	Current
Residential	6,006
Commercial	442
Wholesale	<u>1</u>
Total	6,449

B. Rates

WATER	Current	Prior
Date of Last Rate Increase	<u>02/03/21</u>	10/05/11
Minimum - First 2,000 gallons	\$21.91	\$19.29
Next 3,000 gallons, per gallon	<u>0.00861</u>	0.00758
Cost for 4,000 gallons	\$39.13	\$34.45
Increase %	13.6%	10.5%
Affordability Index (Rate/MHI)	0.9%	0.8%

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2017-2021, the Utility's service area population was 13,790 with a Median Household Income (MHI) of \$54,068. The MHI for the Commonwealth is \$55,454. The project will qualify for a 1.25% interest rate.

VIII. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended December 31, 2020, through December 31, 2022. 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 water revenues increased 26.3% from \$2.53 million in 2020 to \$3.19 million in 2022 due to rate adjustments in 2021 and an increase in customer base. Operating expenses increased 24.0% from \$2.58 million to \$3.01 million during the same period due to an increase in customers and corresponding increase in purchased water usage. The debt coverage ratio was 1.6, 1.9, and 2.2 in 2020, 2021, and 2022.

The balance sheet reflects a current ratio of 7.6, a debt-to-equity ratio of 0.6, 28.5 days of sales in accounts receivable, and 2.4 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Revenues will remain flat in projected years.
- 2) Operating expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 1.7 in 2024 when principal and interest repayments begin.

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

The Allen County Water District is regulated by the Public Service Commission (PSC) and will need to apply to the PSC, pursuant to KRS 278.300, for debt authorization for the \$700,000 loan and must receive a Certificate of Public Convenience and Necessity, pursuant to KRS 278.020.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$36,000 total) of the final amount borrowed to be funded annually (\$1,800 yearly) each December 1 for 20 years and maintained for the life of the loan.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
2006 Series Water Revenue Bonds	\$ 1,295,000	2046
2012 Series Water Revenue Bonds	694,500	2052
KY Rural Water Loan	1,995,000	2038
KIA Loan #F19-025	2,349,566	2042
Total	\$ 6,334,066	

X. CONTACTS

Legal Applicant	
Entity Name	Allen County Water District
Authorized Official	Adam Nunn (General Manager)
County	Allen
Email	adamnacwd@nctc.com
Phone	270-622-3040
Address	330 New Gallatin Road Scottsville, KY 42164

Applicant Contact	
Name	Matthew R. Curtis
Organization	Bluegrass Engineering, PLLC
Email	mcurtis@bluegrassengineering.net
Phone	502-370-6551
Address	222 E Main Street Ste 1 Georgetown, KY 40324

Project Administrator	
Name	Matthew R. Curtis
Organization	Bluegrass Engineering, PLLC
Email	mcurtis@bluegrassengineering.net
Phone	502-370-6551
Address	PO Box 1657 222 E Main Street Ste 1 Georgetown, KY 40324

Consulting Engineer	
PE Name	Matthew Curtis, PE
Firm Name	Bluegrass Engineering, PLLC
Email	mcurtis@bluegrassengineering.net
Phone	-
Address	222 E Main Street Ste 1 Georgetown, KY 40324

XI. RECOMMENDATIONS

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

**ALLEN COUNTY WATER DISTRICT
FINANCIAL SUMMARY (DECEMBER YEAR END)**

	<u>Audited</u> <u>2020</u>	<u>Audited</u> <u>2021</u>	<u>Audited</u> <u>2022</u>	<u>Projected</u> <u>2023</u>	<u>Projected</u> <u>2024</u>	<u>Projected</u> <u>2025</u>	<u>Projected</u> <u>2026</u>	<u>Projected</u> <u>2027</u>
Balance Sheet								
Assets								
Current Assets	3,720,538	3,706,491	3,470,070	3,510,225	3,578,063	3,635,110	3,685,416	3,728,915
Other Assets	15,514,382	15,664,194	15,651,915	15,342,908	16,190,899	15,765,721	15,313,582	14,834,215
Total	19,234,920	19,370,685	19,121,985	18,853,133	19,768,962	19,400,831	18,998,998	18,563,130
Liabilities & Equity								
Current Liabilities	325,336	276,603	456,148	445,939	498,112	509,261	520,454	537,890
Long Term Liabilities	6,774,593	6,792,326	6,488,548	6,221,224	6,603,727	6,277,081	5,941,243	5,590,068
Total Liabilities	7,099,929	7,068,929	6,944,696	6,667,163	7,101,839	6,786,342	6,461,696	6,127,958
Net Assets	12,134,991	12,301,756	12,177,289	12,185,970	12,667,123	12,614,488	12,537,302	12,435,172
Cash Flow								
Revenues	2,529,501	2,960,536	3,194,835	3,194,835	3,194,835	3,194,835	3,194,835	3,194,835
Operating Expenses	1,998,844	2,203,110	2,384,468	2,415,703	2,447,563	2,480,060	2,513,207	2,547,017
Other Income	67,506	37,975	71,029	71,029	71,029	71,029	71,029	71,029
Cash Flow Before Debt Service	598,163	795,401	881,396	850,161	818,301	785,804	752,657	718,847
Debt Service								
Existing Debt Service	378,966	429,482	406,364	457,216	458,575	459,506	460,060	460,286
Proposed KIA Loan	0	0	0	0	20,533	41,066	41,066	41,066
Total Debt Service	378,966	429,482	406,364	457,216	479,108	500,572	501,126	501,352
Cash Flow After Debt Service	219,197	365,919	475,032	392,945	339,193	285,232	251,531	217,495
Ratios								
Current Ratio	11.4	13.4	7.6	7.9	7.2	7.1	7.1	6.9
Debt to Equity	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5
Days Sales in Accounts Receivable	35.5	32.4	28.5	28.5	28.5	28.5	28.5	28.5
Months Operating Expenses in Unrestricted Cash	2.8	2.4	2.4	2.8	3.1	3.3	3.5	3.7
Debt Coverage Ratio	1.6	1.9	2.2	1.9	1.7	1.6	1.5	1.4

2021 Cleaner Water Program Grants - Water

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWW201	Green-Taylor Water District	Sandy Y Water Storage Tank Rehabilitation	\$ 28,439.00	Taylor	Supplemental
21CWW211	Bowling Green Municipal Utilities	Yoke Meter Set Replacement	\$ 990,000.00	Warren	County - R
21CWW275	Breathitt County Water District	HWY 30 East and Wolf Creek RD Waterline Extensions	\$ 330,000.00	Breathitt	Supplemental
21CWW339	Lyon County Water District	LCWD - Lamasco Pump Station Rehabilitation and Tank Riser Liner	\$ 25,000.00	Lyon	County - R
21CWW340	Lyon County Water District	LCWD - CWP Equipment Purchase	\$ 75,507.00	Lyon	County - R
21CWW341	Carroll County Fiscal Court	Mill Creek Water Main Replacement Bore	\$ 100,000.00	Carroll	County - R

2022 Cleaner Water Program Grants - Sewer

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22CWS162	Hardin County Water District #2	BOSK - KCTCS Sewer Improvements	\$ 555,000.00	Hardin	County - R

2022 Cleaner Water Program Grants - Water

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22CWW265	City of Calvert City	City of Calvert City - WTP Variable Frequency Drives & Controls	\$ 90,277.17	Marshall	County - R
22CWW349	Hardin County Water District #2	Battle Training Pump Station	\$ 195,000.00	Hardin	County - R
22CWW350	Lebanon Water Works Company Inc	Fagan Branch Flow Metering	\$ 55,517.00	Marion	County - R
22CWW351	Lebanon Water Works Company Inc	Lebanon Water Works Turbidity Unit	\$ 4,441.00	Marion	County - R
22CWW352	Lebanon Water Works Company Inc	Lebanon Water Works Actuator and Valve Replacement	\$ 162,108.00	Marion	County - R

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 November 15, 2023 21CWW201 WX21217031
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GRANTEE	GREEN-TAYLOR WATER DISTRICT TAYLOR COUNTY
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BRIEF DESCRIPTION

The proposed work includes a full scale rehabilitation of the District's existing Sandy Y Water Storage Tank located in the Badger community of Taylor County. The rehabilitation will include various structural and other repairs, piping modifications, safety improvements, along with the complete removal and replacement of all interior coatings and spot repairs and overcoat on the tank exterior. The piping modifications will allow the tank to fill from the overflow elevation (top) and empty from a ground level elevation. This will greatly improve tank turnover and reduce disinfection byproducts.

PROJECT FINANCING		PROJECT BUDGET			
		RD Fee %	Actual %		
CWP - Water Grant - 21CWW201	\$142,196	Eng - Design / Const	11.1%	7.5%	\$24,000
CWP Supplemental - Increase	28,439	Eng - Insp	8.6%	6.6%	21,000
Local ARPA	130,000	Construction			290,560
Local Funds	63,925	Contingency			29,000
TOTAL	\$364,560	TOTAL			\$364,560

PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Incorporated
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PROJECT SCHEDULE	Bid Opening	TBD
	Construction Start	TBD
	Construction Stop	TBD

RESIDENTIAL RATES	Current	<u>Users</u> 5,307	\$	<u>Avg. Bill</u> 43.89 (for 4,000 gallons)
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REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Taylor County	\$	142,196.00	
Supplemental Pool		\$	28,439.00	
	Total	\$	170,635.00	

Notes:

Prior Approval:				
County Allocation Pool	Taylor	\$	142,196	March 17, 2022
Supplemental Pool	Supplemental Increase	\$	28,439	Pending Approval November 14, 2023

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

Reviewer Julie Bickers
 CPBOC Date November 15, 2023
 KIA Grant Number 21CWW275
 WRIS Number WX21025008

GRANTEE BREATHITT COUNTY WATER DISTRICT
 BREATHITT COUNTY

BRIEF DESCRIPTION

Waterline extension starting near the Rousseau Elementary School and extending to the county line on KY 30 East includes Wolf Creek Road. Project will provide water service to 86 households. It includes approximately 47,800 LF of 6" PVC water line and 8,000 LF of 4" PVC line. The project also includes one 100,000 gallon water storage tank, 1 20,000 gallon water storage tank and one 400 gpm pump station. Creek crossing will be done by directional drill.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Water Grant - 21CWW275	\$3,300,000	Administrative Expenses				\$50,000
CWP - Supplemental - Increase	330,000	Legal Expenses				5,000
Other Funding	438,408	Eng - Design / Const	7.1%	6.6%		227,000
		Eng - Insp	3.9%	3.6%		125,000
		Eng - Other				50,000
		Construction				3,446,408
		Other				165,000
TOTAL	\$4,068,408	TOTAL				\$4,068,408

PROFESSIONAL SERVICES Engineer Nesbitt Engineering, Inc.

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

RESIDENTIAL RATES

	Current	Users	Avg. Bill
		2,179	\$ 59.90 (for 4,000 gallons)
	Additional	86	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
Unserved Rural Pool	Breathitt	\$ 3,300,000.00
Supplemental Pool		\$ 330,000.00
	Total	\$ 3,630,000.00

Notes:

Prior Approval:
 Unserved Rural Pool Breathitt \$ 3,300,000 September 29, 2022
 Supplemental Pool Supplemental Increase \$ 330,000 Pending Approval November 14, 2023

EXECUTIVE SUMMARY		Reviewer	Julie Bickers
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	November 15, 2023
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW339
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21143024
GRANTEE	LYON COUNTY WATER DISTRICT LYON COUNTY		
BRIEF DESCRIPTION			
This project will use Cleaner Water Grant Funds to repair the Lamasco Pump Station and install a new liner in the Jack Thomason Tank riser.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW339	\$25,000	Construction	\$100,000
CWP Grant - 22CWW233	75,000		
TOTAL	\$100,000	TOTAL	\$100,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 2,763	<u>Avg. Bill</u> \$ 50.98 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Lyon County	\$ 25,000.00	
	Total	\$ 25,000.00	
Notes:			
This grant is a reallocation from a previously approved grant. Previous Grantee: Lyon County Water District Previous Gant # 21CWW122 Previous WRIS # WX21143022 Prior Approval Date: 3/17/2022			

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

Reviewer Julie Bickers
 CPBOC Date November 15, 2023
 KIA Grant Number 21CWW340
 WRIS Number WX21143025

GRANTEE LYON COUNTY WATER DISTRICT
 LYON COUNTY

BRIEF DESCRIPTION

This project will use Cleaner Water Grant Funds to purchase a directional boring machine for the water district to run new waterlines as well as a new meter reading vehicle, and billing software and server.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %
CWP - Water Grant - 21CWW340	\$75,507	Equipment		\$164,595
CWP Grant - 22CWW234	89,088			
TOTAL	\$164,595	TOTAL		\$164,595

PROFESSIONAL SERVICES Engineer NA

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 2,763 Avg. Bill \$ 50.98 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Lyon County	\$ 75,507.00		
	Total	\$ 75,507.00		

Notes:

This grant is a reallocation from a previously approved grant.
 Previous Grantee: Lyon County Water District
 Previous Grant # 21CWW122
 Previous WRIS # WX21143022
 Prior Approval Date: 3/17/2022

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

Reviewer Julie Bickers
 CPBOC Date November 15, 2023
 KIA Grant Number 21CWW341
 WRIS Number WX21041020

GRANTEE CARROLL COUNTY FISCAL COURT
 CARROLL COUNTY

BRIEF DESCRIPTION

The contractor will use an HDD bore machine to bore an 8" hole at least 10' below the creek bed. The contractor will install the bored 8" HDPE water main and will attach the new water main to the existing water main at both ends of the new bored main. Then the contractor will cut and cap the existing bored pipe to isolate the existing 4" exposed water main.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %
CWP - Water Grant - 21CWW341	\$100,000	Construction		\$91,250
Other Funding	375	Contingency		9,125
TOTAL	\$100,375	TOTAL		\$100,375

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 1,573 Avg. Bill \$ 28.29 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Carroll County	\$ 100,000.00		
	Total	\$ 100,000.00		

Notes:

This grant is a reallocation from a previously approved grant.
 Previous Grantee: Carroll County Fiscal Court
 Previous Grant # 21CWW028
 Previous WRIS # WX21041011
 Prior Approval Date: 4/19/2022

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT	Reviewer	Julie Bickers
	CPBOC Date	November 15, 2023
	KIA Grant Number	22CWS162
	WRIS Number	SX21093039

GRANTEE	HARDIN COUNTY WATER DISTRICT #2 HARDIN COUNTY
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BRIEF DESCRIPTION

The proposed project includes improvements in the sewer collection system to allow the new BOSK Battery Plant and KCTCS Training Center to discharge to the sanitary sewers. Improvements include the installation of pumps into existing wetwells at two locations, installation of motor control centers, and gravity sewer extensions.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Sewer Grant - 22CWS162	\$555,000	Administrative Expenses				\$2,000
Local Funding	15,500	Legal Expenses				3,000
Other Funding	78,500	Eng - Design / Const	0.0%	4.3%		26,000
		Eng - Insp	0.0%	2.6%		15,500
		Eng - Other				2,500
		Construction				500,000
		Contingency				100,000
TOTAL	\$649,000	TOTAL				\$649,000

PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.
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PROJECT SCHEDULE	Bid Opening	TBD
	Construction Start	TBD
	Construction Stop	TBD

RESIDENTIAL RATES	Current	<u>Users</u>	\$	<u>Avg. Bill</u>	(for 4,000 gallons)
		0		-	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Hardin County	\$ 555,000.00		
	Total	\$ 555,000.00		

Notes:

This grant is a reallocation from a previously approved grant.
 Previous Grantee: Hardin County Water District #2
 Previous Grant # 22CWW321
 Previous WRIS # WX21093060
 Prior Approval Date: 3/29/2023

EXECUTIVE SUMMARY		Reviewer	Julie Bickers
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	November 15, 2023
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	22CWW265
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21157064
GRANTEE	CALVERT CITY, CITY OF MARSHALL COUNTY		
BRIEF DESCRIPTION			
The project includes improvements to the City's existing water treatment plant pumping and control systems. Improvements are to include the addition of variable frequency drives to the existing high service pumps, existing actuator valve(s), and replacement of the system PLC and HMI control systems.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW265	\$390,656	Administrative Expenses	\$10,600
Other Funding	11,944	Legal Expenses	2,500
		Eng - Design / Const	10.8% 1.2% 4,500
		Construction	350,000
		Contingency	35,000
TOTAL	\$402,600	TOTAL	\$402,600
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,647	<u>Avg. Bill</u> \$ 21.15 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Marshall County	\$ 390,656	
	Total	\$ 390,656	
Notes:			
Prior Approval:			
County Allocation Pool	Marshall	\$ 300,379	December 27, 2022
County Allocation Pool	Reallocation	\$ 90,277	Pending Approval November 14, 2023
This grant is being allocated additional funds through the reallocation of a previously approved grant.			
Previous Grantee: City of Calvert City			
Previous Grant # 22CWW266			
Previous WRIS # WX21157065			
Prior Approval Date: 12/27/2022			

EXECUTIVE SUMMARY		Reviewer	Julie Bickers	
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	November 15, 2023	
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	22CWW349	
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21093047	
GRANTEE	HARDIN COUNTY WATER DISTRICT #2 HARDIN COUNTY			
BRIEF DESCRIPTION				
The proposed project will include a new 10 MGD pump station to supplement service area demands due to industrial and residential expansion. The project will also include improvements to two (2) existing pump stations in the District's service area, Colesburg Pump Station and Springfield Pump Station.				
PROJECT FINANCING		PROJECT BUDGET		
CWP - Water Grant - 22CWW349	\$195,000	Administrative Expenses	RD Fee %	Actual %
Funding Source 2	6,200,000	Legal Expenses		
Other Funding	2,081,000	Land, Easements		
		Eng - Design / Const	6.5%	6.0%
		Eng - Insp	3.1%	2.9%
		Eng - Other		
		Construction		
		Contingency		
TOTAL	<u>\$8,476,000</u>	TOTAL		<u>\$8,476,000</u>
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
RESIDENTIAL RATES	Current	<u>Users</u> 29,763	<u>Avg. Bill</u> \$ 28.88	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Hardin County	\$ 195,000.00		
	Total	\$ 195,000.00		
Notes:				
This grant is a reallocation from a previously approved grant. Previous Grantee: Hardin County Water District #2 Previous Grant # 22CWW321 Previous WRIS # WX21093060 Prior Approval Date: 3/29/2023				

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

Reviewer Julie Bickers
 CPBOC Date November 15, 2023
 KIA Grant Number 22CWW350
 WRIS Number WX21155047

GRANTEE LEBANON WATER WORKS COMPANY INC
 MARION COUNTY

BRIEF DESCRIPTION

The proposed project will add a new flow meter to the raw water intake system to be able to better monitor flow from both the Rolling Fork River and Fagan Branch Reservoir (during periods of low or high flow in the river). Currently flow is only measured with a single meter at the treatment plant. When source waters are blended, it is difficult to accurately monitor permitted volumes from the river and accurately track source water quality.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW350	\$55,517	Planning			\$2,500
CWP Grant - 21CWW137	91,876	Eng - Design / Const	12.1%	4.8%	10,250
Local Funding	86,097	Eng - Insp	10.2%	3.5%	7,500
		Construction			213,240
TOTAL	\$233,490	TOTAL			\$233,490

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 2,796 Avg. Bill \$ 29.18 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Marion County	\$ 55,517.00
	Total	\$ 55,517.00

Notes:

This grant is a reallocation from a previously approved grant.
 Previous Grantee: City of Lebanon
 Previous Grant # 22CWW204
 Previous WRIS # WX21155045
 Prior Approval Date: 12/27/2022

EXECUTIVE SUMMARY		Reviewer	Julie Bickers
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	November 15, 2023
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	22CWW351
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21155050
GRANTEE	LEBANON WATER WORKS COMPANY INC MARION COUNTY		
BRIEF DESCRIPTION			
<p>The proposed project will add an in-line turbidity measurement unit to the raw water intake system, connected to SCADA, to allow real-time monitoring of raw water quality. The Rolling Fork River provides high quality raw water during normal conditions; however, during rain events turbidity can vary significantly. Lebanon Water Works has instituted many advancements in monitoring water quality of raw water, this additional component would allow much greater monitoring by operators in a real-time scenario and alert staff of water quality changes as they occur instead of waiting on parameter measurements on a 4 hour basis.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW351	\$4,441	Construction	\$17,060
CWP Grant - 21CWW139	7,786		
Local Funding	4,833		
TOTAL	\$17,060	TOTAL	\$17,060
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 2,796	<u>Avg. Bill</u> \$ 29.18 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Marion County	\$ 4,441.00	
	Total	\$ 4,441.00	
Notes:			
<p>This grant is a reallocation from a previously approved grant. Previous Grantee: City of Lebanon Previous Grant # 22CWW204 Previous WRIS # WX21155045 Prior Approval Date: 12/27/2022</p>			

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT	Reviewer	Julie Bickers
	CPBOC Date	November 15, 2023
	KIA Grant Number	22CWW352
	WRIS Number	WX21155048

GRANTEE	LEBANON WATER WORKS COMPANY INC MARION COUNTY
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BRIEF DESCRIPTION

The proposed project will replace 9 existing pneumatic actuators and valves in the treatment plant with electric units. The existing pneumatic system requires an excessive amount of monitoring and maintenance while providing a limited amount of operator control. Valve leaks result in the untimely draining of filters and results in challenging conditions for operators to control water quality. The electric actuators and valves will be much easier for operational control and will boost efficiency and reliability, resulting in better water quality.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW352	\$162,108	Planning			\$2,500
CWP Grant - 21CWW138	271,732	Eng - Design / Const	9.7%	1.6%	10,250
Local Funding	209,070	Eng - Insp	6.7%	1.2%	7,500
		Construction			622,660
TOTAL	\$642,910	TOTAL			\$642,910

PROFESSIONAL SERVICES	Engineer	TBD
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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	2,796	\$ 29.18 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Marion County	\$ 162,108.00
	Total	\$ 162,108.00

Notes:

This grant is a reallocation from a previously approved grant.
 Previous Grantee: City of Lebanon
 Previous Grant # 22CWW204
 Previous WRIS # WX21155045
 Prior Approval Date: 12/27/2022