

**Kentucky Infrastructure Authority  
Projects for March 2023  
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>
A23-010	City of Hardinsburg	\$ 1,000,000	\$ 1,000,000	Breckinridge

▪ **Fund B Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
B23-003	City of Bardstown	\$ 4,445,000	\$ 4,445,000	Nelson
B23-005	Garrard County Water Association Inc	\$ 1,400,000	\$ 1,400,000	Garrard

▪ **Fund F Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
F23-001	Hyden-Leslie County Water District	\$ 2,001,013	\$ 2,001,013	Leslie
F23-009S	City of Lebanon f/b/o Lebanon Water Works Company	\$ 3,850,060	\$ 3,850,060	Marion
F23-119L	City of Scottsville	\$ 100,000	\$ 100,000	Allen

**2021 Cleaner Water Program Grants - Sewer**

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWS131	City of White Plains	White Plains - Sewer Manhole Rehabilitation Project	\$ 110,000.00	Hopkins	County - R

**2021 Cleaner Water Program Grants - Water**

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWW162	City of West Liberty	Water Quality Improvements Project	\$ 432,846.00	Morgan	County - R
21CWW214	Springfield Water and Sewer Commission	Willisburg, Etown Road, and Wesley Chapel Tank Repainting	\$ 124,202.00	Washington	County - R

**2022 Cleaner Water Program Grants - Sewer**

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22CWS091	City of Burnside	Sewer Extension Project to New Burnside Elementary School	\$ 63,600.00	Pulaski	County - R
22CWS130	City of Richmond	Richmond Irvine Road Outfall Sewer	\$ 1,167,258.00	Madison	County
22CWS131	City of Clay City	Clay City - Phase II Sewer System Rehab	\$ 237,086.00	Powell	County
22CWS132	Red River Wastewater Authority, Inc.	RRWTP - Equipment Replacements Project	\$ 58,086.00	Powell	County
22CWS133	City of Stanton	Stanton N Bend Road Sewer Extension	\$ 23,086.00	Powell	County
22CWS134	City of Middlesboro	Middlesboro Main Sewage LS Rehab	\$ 119,048.00	Bell	County
22CWS135	City of Middlesboro	Middlesboro WWTP Improvements - Phase 2	\$ 514,949.00	Bell	County
22CWS136	City of Evarts	Lift Stations Renovation Project	\$ 500,000.00	Harlan	County
22CWS137	Harlan County Fiscal Court	Harlan County - Wallins Phase 4 - Sanitary Sewer	\$ 44,841.00	Harlan	County
22CWS138	City of Cumberland	City of Cumberland New Service Extensions	\$ 185,000.00	Harlan	County
22CWS139	London Utility Commission	Rowland Industrial Park/192 Sewer Extension Project Phase II	\$ 527,068.00	Laurel	County
22CWS140	Corbin City Utilities Commission	Corbin - Sanitary Sewer Extension Along Boone Avenue and Greendale Street	\$ 164,103.00	Laurel	County
22CWS141	Corbin City Utilities Commission	Corbin - Sanitary Sewer Collection System to Serve Dantley Drive	\$ 477,071.00	Whitley	County
22CWS142	City of Williamsburg	Miscellaneous WWTP and Sewer System Improvements	\$ 477,069.00	Whitley	County
22CWS143	City of Jackson	Quicksand Sewer Rehab Project	\$ 216,648.00	Breathitt	County
22CWS144	Leitchfield Utility Commission	Leitchfield Bypass Development Lift Station and Collection	\$ 503,921.00	Grayson	County
22CWS145	City of Caneyville	City of Caneyville - WWTP Upgrade and Pump Replacement	\$ 23,612.00	Grayson	County
22CWS146	City of Clarkson	Clarkson - Wastewater System Repairs	\$ 44,936.00	Grayson	County
22CWS147	City of Hardinsburg	Wastewater Treatment Plant and Collection System Improvements	\$ 750,000.00	Breckinridge	County
22CWS148	City of Cloverport	KY 105/Boat Ramp Sewer Extension	\$ 252,000.00	Breckinridge	County
22CWS149	City of Westpoint	West Point Sewer Rehabilitation and Drainage Improvements III	\$ 77,087.00	Hardin	County
22CWS150	City of Elizabethtown	Elizabethtown: Leitchfield Rd Sewer Line Upgrades	\$ 1,250,550.00	Hardin	County
22CWS151	City of Vine Grove	Vine Grove WWTP Improvements III	\$ 500,462.00	Hardin	County
22CWS152	City of West Liberty	I&I Study and Sewer Line Replacement Project	\$ 833,781.00	Morgan	County
22CWS153	City of Brandenburg	Brandenburg SCADA & Telemetry Upgrades	\$ 148,810.00	Meade	County
22CWS154	City of Benton	Lift Station Rehabilitation Part 1	\$ 480,779.00	Marshall	County - R

**2022 Cleaner Water Program Grants - Water**

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22CWW185	City of Burnside	Burnside Water Storage Tank	\$ 126,700.00	Pulaski	County - R
22CWW279	City of Stanton	Stanton - Water Improvements Project	\$ 198,086.00	Powell	County
22CWW280	Powell's Valley Water District	Powell's Valey Water District Leak Detection Meters	\$ 148,086.00	Powell	County
22CWW281	Beech Fork Water Commission	Beech Fork New Water Treatment Plant	\$ 133,087.00	Powell	County
22CWW283	City of Midway	Midway Industrial Tank Rehab	\$ 100,000.00	Woodford	County
22CWW284	South Woodford Water District	SWWD - Comprehensive System Rehabilitation Project	\$ 432,270.00	Woodford	County
22CWW285	Northeast Woodford County Water District	NEWWD Tank Repainting	\$ 100,000.00	Woodford	County
22CWW286	City of Pineville	Pineville Auxiliary Power Provisions	\$ 530,443.00	Bell	County
22CWW287	Pineville Utility Commission	Rocky Face Waterline Ext	\$ 299,325.00	Bell	County
22CWW288	City of Manchester	Water Tank Project	\$ 617,925.00	Clay	County
22CWW289	North Manchester Water Association Inc	2021 Water System Improvements Project	\$ 408,258.00	Clay	County
22CWW290	North Manchester Water Association Inc	North Manchester Water Association Line Extension & Line Upgrade	\$ 209,668.00	Clay	County
22CWW291	Cawood Water District	US 421 - KY 3001 Waterline Replacement	\$ 225,000.00	Harlan	County
22CWW292	Black Mountain Utility District	Wallins Rehabilitation Project	\$ 175,000.00	Harlan	County
22CWW293	City of Harlan	Harlan Municipal Water Treatment Plant and Raw Water Intake Impr	\$ 500,000.00	Harlan	County
22CWW294	Jackson County Water Association Inc	JCWA - Water Treatment Plant Improvements	\$ 400,000.00	Jackson	County

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
22CWW295	City of McKee	McKee Meter Replacement Project	\$ 386,947.00	Jackson	County
22CWW296	Barbourville Utility Commission	Barbourville Utilities RECC Water Tank Rehab	\$ 536,500.00	Knox	County
22CWW297	Corbin City Utilities Commission	Tri-County Industrial Park Water Tank Rehab	\$ 415,000.00	Knox	County
22CWW298	Knox County Fiscal Court	Knox County - Water Projects	\$ 882,564.00	Knox	County
22CWW299	Wood Creek Water District	20" Transmission Main Relocate - System Improvements #8	\$ 738,968.00	Laurel	County
22CWW300	Laurel County Water District #2	Fariston Road Area Water System Improvements	\$ 786,585.00	Laurel	County
22CWW301	East Laurel Water District	Tom Cat Trail & Watkins Road Waterline Extensions	\$ 794,383.00	Laurel	County
22CWW302	West Laurel Water Association Inc	West Laurel Water Association - HWY 552 Project	\$ 792,300.00	Laurel	County
22CWW303	City of Brodhead	Bowling Ridge Tank Rehab, Radio Read and WWTP Influent Flow Meters	\$ 100,000.00	Rockcastle	County
22CWW304	Rockcastle County Fiscal Court	Bloss Road Waterline Extension	\$ 60,000.00	Rockcastle	County
22CWW305	Western Rockcastle Water Association Inc	Merritt Cemetery Road/Maples Road Water Line Extension	\$ 421,737.00	Rockcastle	County
22CWW306	City of Livingston	City of Livingston Water Tank Rehab & Install Altitude Valve	\$ 153,014.00	Rockcastle	County
22CWW307	City of Mount Vernon	Water Tanks Rehab, Replace Aging Equipment & LS Valve	\$ 239,411.00	Rockcastle	County
22CWW308	Whitley County Fiscal Court	Knox: Water Line Extension in Whitley County	\$ 321,780.00	Whitley	County
22CWW309	Cumberland Falls Highway Water District	CFHWYWD - Line Replacement and Reinforcement	\$ 477,070.00	Whitley	County
22CWW310	Whitley County Water District	WCWD 2021 System Improvements Project	\$ 477,069.00	Whitley	County
22CWW311	City of Jackson	North Jackson Water Improvement Project	\$ 200,000.00	Breathitt	County
22CWW314	Knott County Fiscal Court	Garner MT Pump Station Replacement Project	\$ 865,672.00	Knott	County
22CWW315	Edmonson County Water District	Edmonson Co. WD Grayson Improvements #2	\$ 274,000.00	Grayson	County
22CWW316	Grayson County Water District	Grayson County Water District Meter Replacement	\$ 758,405.00	Grayson	County
22CWW317	City of Irvington	Meter Assembly and Service Line Replacement	\$ 239,135.00	Breckinridge	County
22CWW318	Hardin County Water District #2	HCWD#2 Mulberry Tank	\$ 1,658,231.00	Hardin	County
22CWW319	Hardin County Water District #1	Hardin County WD #1 Extensions	\$ 1,300,000.00	Hardin	County
22CWW320	Hardin County Water District #1	Hardin County Extensions II	\$ 688,228.00	Hardin	County
22CWW321	Hardin County Water District #2	BOSK & KCTCS Waterline Extension	\$ 1,250,000.00	Hardin	County
22CWW322	City of Hodgenville	Hodgenville Industrial Tank Improvements	\$ 415,422.00	Larue	County
22CWW323	Larue County Water District #1	LCWD - East Leafdale Water Main Upgrade	\$ 487,669.00	Larue	County
22CWW324	Meade County Water District	MeCWD - KY 1638 Transmission Line	\$ 559,273.00	Meade	County
22CWW325	Meade County Water District	Meade Co. Water District Sirocco Rd, Milan Rd, Poplar Ct Extension	\$ 326,000.00	Meade	County
22CWW326	Meade County Water District	Meade Co. Water District Lone Star Rd/Big Dipper Trail Extension	\$ 21,000.00	Meade	County
22CWW327	Meade County Water District	Meade Co. Water District Chester Lane Extension	\$ 48,000.00	Meade	County
22CWW328	City of Muldraugh	Muldraugh Pipe Replacement Project	\$ 260,439.00	Meade	County
22CWW329	City of Frenchburg	Big Woods Tank Rehab and Line Upgrade Project	\$ 214,775.00	Menifee	County
22CWW330	City of Dixon	City of Dixon Water Line Replacements	\$ 36,000.00	Webster	County
22CWW331	City of Brandenburg	Brandenburg WTP Upgrades and Radio Meters	\$ 459,001.00	Meade	County
22CWW332	Breathitt County Water District	Breathitt Waterline Extensions Phase 3	\$ 134,648.00	Breathitt	County
22CWW333	Breathitt County Water District	Five Mile Waterline Extension Phase 1	\$ 282,000.00	Breathitt	County
22CWW334	Southeastern Water Association Inc	Sandy Gap Area Improvements Phase 3	\$ 790,094.00	Pulaski	County - R
22CWW335	City of Murray	North Water Treatment Plant	\$ 1,498,810.00	Calloway	County - R

<b>EXECUTIVE SUMMARY</b>		Reviewer	John Brady	
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		Date	March 2, 2023	
<b>FUND A, FEDERALLY ASSISTED WASTEWATER</b>		KIA Loan Number	A23-010	
<b>REVOLVING LOAN FUND</b>		WRIS Number	SX21027022	
BORROWER	CITY OF HARDINSBURG BRECKINRIDGE COUNTY			
BRIEF DESCRIPTION				
The City of Hardinsburg (the City) is requesting a Fund A loan in the amount of \$1,000,000 for the Wastewater Treatment Plant (WWTP) and Collection System Improvements project. This project will include a number of improvements at the WWTP. New sludge pumps and actuator valves will replace the current ones which have reached the end of their useful life. The City routinely experiences excessive maintenance costs associated with the pumps and valves. The new ones will allow the operations to become automated which will improve the overall effectiveness of the treatment process. Other improvements at the WWTP will include concrete and pipe rehab and electrical upgrades. The collection system component of the project will consist of replacement of approximately 4,000 linear feet of main transmission line located between Mercer Trailer Park and the FFA Camp. This will correct inflow and infiltration of stormwater into the sanitary sewer system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund A Loan	\$1,000,000	RD Fee %	Actual %	
CWP Grant	750,000	Administrative Expenses		\$10,000
RD Loan	1,787,750	Legal Expenses		20,000
		Land, Easements		5,000
		Planning		10,000
		Eng - Design / Const	7.2%	6.7%
		Eng - Insp	5.0%	4.7%
		Eng - Other		45,000
		Construction		2,782,500
		Contingency		278,250
		Other		40,000
TOTAL	\$3,537,750	TOTAL		\$3,537,750
REPAYMENT	Rate	1.25%	Est. Annual Payment	\$40,667
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Sep-23		
	Construction Start	Nov-23		
	Construction Stop	Aug-24		
DEBT PER CUSTOMER	Existing	\$1,678		
	Proposed	\$3,277		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		1,147	\$51.86 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	132,657	144,154	(11,497)	0.9
Audited 2020	102,696	172,103	(69,407)	0.6
Audited 2021	189,934	178,933	11,001	1.1
Projected 2022	331,783	175,853	155,930	1.9
Projected 2023	422,502	178,944	243,558	2.4
Projected 2024	454,504	181,688	272,816	2.5
Projected 2025	444,465	241,994	202,471	1.8
Projected 2026	436,775	297,726	139,049	1.5

Reviewer: John Brady  
Date: March 2, 2023  
Loan Number: A23-010

**KENTUCKY INFRASTRUCTURE AUTHORITY  
WASTEWATER REVOLVING LOAN FUND (FUND A)  
CITY OF HARDINSBURG, BRECKINRIDGE COUNTY  
PROJECT REVIEW  
SX21027022**

**I. PROJECT DESCRIPTION**

The City of Hardinsburg (the City) is requesting a Fund A loan in the amount of \$1,000,000 for the Wastewater Treatment Plant (WWTP) and Collection System Improvements project. This project will include several improvements at the WWTP. New sludge pumps and actuator valves will replace the current ones which have reached the end of their useful life. The City routinely experiences excessive maintenance costs associated with the pumps and valves. The new ones will allow the operations to become automated which will improve the overall effectiveness of the treatment process. Other improvements at the WWTP will include concrete and pipe rehab and electrical upgrades. The collection system component of the project will consist of replacement of approximately 4,000 linear feet of main transmission line located between Mercer Trailer Park and the FFA Camp. This will correct inflow and infiltration of stormwater into the sanitary sewer system.

The City currently serves 959 residential customers and 188 commercial and industrial customers.

**II. PROJECT BUDGET**

	<u>Total</u>
Administrative Expenses	\$ 10,000
Legal Expenses	20,000
Land, Easements	5,000
Planning	10,000
Engineering Fees - Design	163,200
Engineering Fees - Construction	40,800
Engineering Fees - Inspection	143,000
Engineering Fees - Other	45,000
Construction	2,782,500
Contingency	278,250
Other	40,000
<b>Total</b>	<b>\$ 3,537,750</b>

**III. PROJECT FUNDING**

	<u>Amount</u>	<u>%</u>
Fund A Loan	\$ 1,000,000	28%
CWP Grant	750,000	21%
RD Loan	1,787,750	51%
<b>Total</b>	<b>\$ 3,537,750</b>	<b>100%</b>

**IV. KIA DEBT SERVICE**

Construction Loan	\$ 1,000,000
Less: Principal Forgiveness	306,792
Amortized Loan Amount	<u>\$ 693,208</u>
Interest Rate	1.25%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 39,281
Administrative Fee (0.20%)	<u>1,386</u>
<b>Total Estimated Annual Debt Service</b>	<b>\$ 40,667</b>

**V. PROJECT SCHEDULE**

Bid Opening	September 2023
Construction Start	November 2023
Construction Stop	August 2024

**VI. CUSTOMER COMPOSITION AND RATE STRUCTURE**

**A) Customers**

<u>Customers</u>	<u>Current</u>
Residential	959
Commercial	187
Industrial	<u>1</u>
<b>Total</b>	<b>1,147</b>

## B) Rates

	Current	Prior	Prior
Date of Last Rate Increase	07/01/22	07/01/21	07/01/20
Flat Rate	\$18.90	\$16.54	\$12.82
Per 1,000 gallons	8.24	7.22	5.61
Cost for 4,000 gallons	\$51.86	\$45.42	\$35.26
Increase %	14.2%	28.8%	
Affordability Index (Rate/MHI)	1.3%	1.1%	

## VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 2,215 with a Median Household Income (MHI) of \$47,616. The MHI for the Commonwealth is \$52,238. The project will qualify for a 1.25% interest rate.

## VIII. 2021 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - This project qualifies for Green Project Reserve funding for \$80,000.
- 2) Additional Subsidization – This project qualifies for additional subsidization. Principal forgiveness of \$306,792 will be credited to the loan balance upon release of liens on all contracts and disbursement of the final draw request by KIA to the borrower.

## IX. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended June 30, 2019 through June 30, 2021. 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.

### HISTORY

Total sewer revenues increased 12.6% from \$481,844 in 2019 to \$542,679 in 2021 due to previous rate adjustments. Operating expenses increased only 0.7% from \$352,907 to \$355,219 during the same period due mostly to a decrease in costs associated with maintenance and supplies. The debt coverage ratio was 0.9, 0.6, and 1.1 in 2019, 2020, and 2021.

The balance sheet reflects a current ratio of 0.7, a debt-to-equity ratio of 0.9, 32.9 days of sales in accounts receivable, and 1.6 months of operating expenses in unrestricted cash.

**PROJECTIONS**

Projections are based on the following assumptions:

- 1) Sewer revenues will increase 28.8% in 2022, 14.2% in 2023, and 5% in 2024 due to existing rate increases.
- 2) Operating expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 1.8 in 2025 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% (\$50,000 total) of the final amount borrowed (prior to principal forgiveness) to be funded annually (\$2,500 yearly) each December 1 for 20 years and maintained for the life of the loan.

**X. DEBT OBLIGATIONS**

	<u>Outstanding</u>	<u>Maturity</u>
KIA Loan A09-20	\$ 315,789	2032
KIA Loan A11-03	158,812	2032
KIA Loan A15-033	1,128,514	2039
KRWFC Note	<u>310,000</u>	2026
RD Loan (i.a.o. \$1,787,750)		TBD
<b>Total</b>	<b>\$ 1,913,115</b>	

**XI. CONTACTS**

<b>Legal Applicant</b>	
Entity Name	City of Hardinsburg
Authorized Official	Wayne Macy (Mayor)
County	Breckinridge
Email	rwmacy@yahoo.com
Phone	(270) 756-2213
Address	220 S Main St Hardinsburg, KY 40143



**Applicant Contact**

Name	Robert Taylor Jr.
Organization	Kentucky Engineering Group
Email	rtaylor@kyengr.com
Phone	(859) 608-8927
Address	PO Box 1034 Versailles, KY 40383

**Project Administrator**

Name	Holly Nicholas
Organization	Kentucky Engineering Group
Email	hnicholas@kyengr.com
Phone	(859) 333-9742
Address	PO Box 1034 Versailles, KY 40383

**Consulting Engineer**

PE Name	Ryan Carr
Firm Name	Kentucky Engineering Group
Email	rcarr@kyengr.com
Phone	(859) 251-4127
Address	PO Box 1034 Versailles, KY 40383

**XII. RECOMMENDATIONS**

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

**CITY OF HARDINSBURG**  
**FINANCIAL SUMMARY (JUNE YEAR END)**

	<b>Audited</b>	<b>Audited</b>	<b>Audited</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>
	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>
<b>Balance Sheet</b>								
<b>Assets</b>								
Current Assets	197,995	97,454	111,742	156,880	214,392	272,555	313,049	340,859
Other Assets	4,420,805	4,253,953	4,086,297	4,017,138	4,018,082	4,042,432	7,459,812	7,288,704
<b>Total</b>	<b>4,618,800</b>	<b>4,351,407</b>	<b>4,198,039</b>	<b>4,174,018</b>	<b>4,232,474</b>	<b>4,314,987</b>	<b>7,772,861</b>	<b>7,629,563</b>
<b>Liabilities &amp; Equity</b>								
Current Liabilities	154,490	161,063	163,295	176,065	182,071	192,914	278,257	204,256
Long Term Liabilities	2,150,439	2,021,260	1,871,550	1,713,940	1,550,457	1,376,231	3,597,720	3,412,352
<b>Total Liabilities</b>	<b>2,304,929</b>	<b>2,182,323</b>	<b>2,034,845</b>	<b>1,890,005</b>	<b>1,732,528</b>	<b>1,569,145</b>	<b>3,875,977</b>	<b>3,616,608</b>
<b>Net Assets</b>	<b>2,313,871</b>	<b>2,169,084</b>	<b>2,163,194</b>	<b>2,284,013</b>	<b>2,499,946</b>	<b>2,745,842</b>	<b>3,896,884</b>	<b>4,012,955</b>
<b>Cash Flow</b>								
Revenues	481,844	515,935	542,679	696,941	794,906	834,299	834,299	834,299
Operating Expenses	352,907	416,259	355,219	367,879	375,125	382,516	392,555	400,245
Other Income	3,720	3,020	2,474	2,722	2,722	2,722	2,722	2,722
<b>Cash Flow Before Debt Service</b>	<b>132,657</b>	<b>102,696</b>	<b>189,934</b>	<b>331,783</b>	<b>422,502</b>	<b>454,504</b>	<b>444,465</b>	<b>436,775</b>
<b>Debt Service</b>								
Existing Debt Service	144,154	172,103	178,933	175,853	178,944	181,688	221,661	257,059
Proposed KIA Loan	0	0	0	0	0	0	20,334	40,667
<b>Total Debt Service</b>	<b>144,154</b>	<b>172,103</b>	<b>178,933</b>	<b>175,853</b>	<b>178,944</b>	<b>181,688</b>	<b>241,994</b>	<b>297,726</b>
<b>Cash Flow After Debt Service</b>	<b>(11,497)</b>	<b>(69,407)</b>	<b>11,001</b>	<b>155,930</b>	<b>243,558</b>	<b>272,816</b>	<b>202,471</b>	<b>139,049</b>
<b>Ratios</b>								
Current Ratio	1.3	0.6	0.7	0.9	1.2	1.4	1.1	1.7
Debt to Equity	1.0	1.0	0.9	0.8	0.7	0.6	1.0	0.9
Days Sales in Accounts Receivable	36.3	33.9	32.9	32.9	32.9	32.9	32.9	32.9
Months Operating Expenses in Unrestricted Cash	3.8	0.2	0.6	1.6	3.2	4.9	6.0	6.8
Debt Coverage Ratio	0.9	0.6	1.1	1.9	2.4	2.5	1.8	1.5

<b>EXECUTIVE SUMMARY</b>		Reviewer	John Brady		
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		Date	March 2, 2023		
<b>FUND B, INFRASTRUCTURE</b>		KIA Loan Number	B23-003		
<b>REVOLVING LOAN FUND</b>		WRIS Number	WX21179035		
BORROWER	CITY OF BARDSTOWN NELSON COUNTY				
BRIEF DESCRIPTION					
The City of Bardstown is requesting a Fund B loan in the amount of \$4,445,000 for the East Bardstown Storage Tank project. The major component is the construction of a 1.25 million gallon elevated water storage tank in the Nelson County Industrial Park. This will help to provide sufficient resiliency and capacity that's necessary to accommodate current and future needs. This is phase one of two projects necessary for the overall East Bardstown Water Improvements project. The second phase that will accompany the new storage tank will consist of a booster pump station and approximately 10,000 linear feet of transmission main. The overall project will impact the eastern section of the system that serves developed residential areas along with major industrial and commercial customers.					
PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
Fund B Loan	\$4,445,000	Eng - Design / Const	6.9%	6.6%	\$267,000
		Eng - Insp	3.7%	3.6%	144,000
		Construction			3,836,000
		Contingency			198,000
TOTAL	\$4,445,000	TOTAL			\$4,445,000
REPAYMENT	Rate	2.25%	Est. Annual Payment		\$286,111
	Term	20 Years	1st Payment	6 Mo. after first draw	
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.			
	Bond Counsel	Rubin & Hays			
PROJECT SCHEDULE	Bid Opening	Jun-23			
	Construction Start	Sep-23			
	Construction Stop	Sep-24			
DEBT PER CUSTOMER	Existing	\$1,046			
	Proposed	\$1,283			
OTHER DEBT	See Attached				
RESIDENTIAL RATES	Current	Users	Avg. Bill		
		12,557	\$26.92 (for 4,000 gallons)		
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio	
Audited 2020	497,151	466,163	30,988	1.1	
Audited 2021	1,033,108	489,780	543,328	2.1	
Audited 2022	2,529,105	489,780	2,039,325	5.2	
Projected 2023	2,903,787	492,108	2,411,679	5.9	
Projected 2024	2,970,761	492,209	2,478,552	6.0	
Projected 2025	2,977,620	778,219	2,199,401	3.8	
Projected 2026	2,995,937	778,219	2,217,718	3.8	
Projected 2027	3,014,620	779,019	2,235,601	3.9	

Reviewer: John Brady  
 Date: March 2, 2023  
 Loan Number: B23-003

**KENTUCKY INFRASTRUCTURE AUTHORITY  
 INFRASTRUCTURE REVOLVING LOAN FUND (FUND B)  
 CITY OF BARDSTOWN, NELSON COUNTY  
 PROJECT REVIEW  
 WX21179035**

**I. PROJECT DESCRIPTION**

The City of Bardstown (the City) is requesting a Fund B loan in the amount of \$4,445,000 for the East Bardstown Storage Tank project. The project will include the construction of a 1.25 million gallon elevated water storage tank in the Nelson County Industrial Park. This will help to provide sufficient resiliency and capacity that's necessary to accommodate current and future needs. This is phase one of two projects necessary for the overall East Bardstown Water Improvements project. The second phase that will accompany the new storage tank will consist of a booster pump station and approximately 10,000 linear feet of transmission main. The overall project will impact the eastern section of the system that serves developed residential areas along with major industrial and commercial customers.

The City currently serves 10,880 residential customers and 1,674 commercial and industrial customers. They provide wholesale service to the Bloomfield Water and Sewer Department, North Nelson Water District, and Larue County Water District #1.

**II. PROJECT BUDGET**

	<u>Total</u>
Engineering Fees - Design	\$ 267,000
Engineering Fees - Inspection	144,000
Construction	3,836,000
Contingency	198,000
<b>Total</b>	<b>\$ 4,445,000</b>

**III. PROJECT FUNDING**

	<u>Amount</u>	<u>%</u>
Fund B Loan	\$ 4,445,000	100%
<b>Total</b>	<b>\$ 4,445,000</b>	<b>100%</b>

**IV. KIA DEBT SERVICE**

Construction Loan	\$ 4,445,000
Less: Principal Forgiveness	<u>0</u>
Amortized Loan Amount	\$ 4,445,000
Interest Rate	2.25%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 277,221
Administrative Fee (0.20%)	<u>8,890</u>
<b>Total Estimated Annual Debt Service</b>	<b>\$ 286,111</b>

**V. PROJECT SCHEDULE**

Bid Opening	June 2023
Construction Start	September 2023
Construction Stop	September 2024

**VI. RATE STRUCTURE**

**A. Customers**

Customers	Current
Residential	10,880
Commercial/Industrial	1,674
Wholesale	<u>3</u>
Total	12,557

**B. Rates**

	<b>Inside City</b>	
<b>Water</b>	Current	Prior
Date of Last Rate Increase	<u>07/01/22</u>	09/01/21
Minimum (2,000 gallons)	\$16.52	\$15.21
Next 76,000 gallons (per 1,000)	<u>5.20</u>	4.79
Cost for 4,000 gallons	\$26.92	\$24.79
Increase %	8.6%	
Affordability Index (Rate/MHI)	0.5%	0.5%

<b>Water</b>	<b>Outside City</b>	
	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	07/01/22	09/01/21
Minimum (2,000 gallons)	\$24.21	\$22.29
Next 76,000 gallons (per 1,000)	5.20	4.79
Cost for 4,000 gallons	\$34.61	\$31.87
Increase %	8.6%	
Affordability Index (Rate/MHI)	0.7%	0.6%

<b>Wholesale</b>	<u>Current</u>	<u>Prior</u>
	Date of Last Rate Increase	07/01/22
Rate per 1,000 gallons	\$2.64	\$2.56
Increase %	3.1%	

## **VII. DEMOGRAPHICS**

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 26,967 with a Median Household Income (MHI) of \$60,059. The MHI for the Commonwealth is \$52,238. The project will qualify for a 2.25% interest rate.

## **VIII. FINANCIAL ANALYSIS**

Financial information was obtained from the audited financial statements for the years ended June 30, 2020 through June 30, 2022. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

### **HISTORY**

Total water revenues increased 39.9% from \$5.03 million in 2020 to \$7.04 million in 2022 due to rate adjustments. Operating expenses decreased 0.7% from \$4.55 million to \$4.52 million during the same period due to a significant decrease in personal service expenses. The debt coverage ratio was 1.1, 2.1, and 5.2 in 2020, 2021, and 2022.

The balance sheet reflects a current ratio of 1.9, a debt-to-equity ratio of 0.6, 26.3 days of sales in accounts receivable, and 0.7 months of operating expenses in unrestricted cash.

## PROJECTIONS

Projections are based on the following assumptions:

- 1) Retail water revenues will increase 8.6% in 2023 due to an existing rate increase.
- 2) Retail water revenues will increase 2% in 2024 and future years due to the City's annual CPI rate adjustment.
- 3) Wholesale water revenues will increase 3.1% in 2023 and 3% in 2024 due to existing rate increases.
- 4) Operating expenses will increase 2% annually due to inflation.
- 5) Debt service coverage is 3.8 in 2025 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.

## REPLACEMENT RESERVE

The replacement reserve will be 5% (\$222,000 total) of the final amount borrowed to be funded annually (\$11,100 yearly) each December 1 for 20 years and maintained for the life of the loan.

## IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
KIA Loan B17-008	\$ 981,723	2038
KIA Loan B17-012	1,003,116	2040
KIA Loan C09-01	1,198,989	2034
KIA Loan C09-02	<u>2,138,092</u>	2033
<b>Total</b>	<b>\$ 5,321,920</b>	

## X. CONTACTS

<b>Legal Applicant</b>	
Entity Name	City of Bardstown
Authorized Official	J. Richard Heaton (Mayor)
County	Nelson
Email	mayorheaton@bardstowncable.net
Phone	(502) 348-5947
Address	220 N Fifth St Bardstown, KY 40004

<b>Applicant Contact</b>	
Name	Jessica Filiatreau
Organization	City of Bardstown
Email	jhfiliatreau@bardstowncable.net
Phone	(502) 348-5947
Address	220 N Fifth St Bardstown, KY 40004

<b>Project Administrator</b>	
Name	Gary Little
Organization	City of Bardstown
Email	glittle@bardstowncable.net
Phone	(502) 348-5947
Address	220 N Fifth St Bardstown, KY 40004

<b>Consulting Engineer</b>	
PE Name	Brandon Hamilton
Firm Name	Kenvirons, Inc.
Email	bhamilton@kenvirons.com
Phone	(502) 695-4357
Address	770 Wilkinson Blvd Frankfort, KY 40601

**XI. RECOMMENDATIONS**

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



**CITY OF BARDSTOWN**  
**FINANCIAL SUMMARY (JUNE 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>
<b>Balance Sheet</b>								
<b>Assets</b>								
Current Assets	16,604,571	16,372,520	19,699,100	17,475,650	17,982,860	18,430,840	18,882,584	19,338,104
Other Assets	76,713,779	84,743,600	89,373,109	89,713,540	90,107,470	94,611,954	94,686,091	94,774,535
<b>Total</b>	<b>93,318,350</b>	<b>101,116,120</b>	<b>109,072,209</b>	<b>107,189,190</b>	<b>108,090,330</b>	<b>113,042,794</b>	<b>113,568,676</b>	<b>114,112,640</b>
<b>Liabilities &amp; Equity</b>								
Current Liabilities	3,902,935	5,943,904	10,130,268	8,349,561	8,450,868	8,776,502	8,882,102	8,991,602
Long Term Liabilities	25,424,498	28,472,282	28,994,126	28,623,267	28,242,501	32,074,301	31,450,601	30,814,401
<b>Total Liabilities</b>	<b>29,327,433</b>	<b>34,416,186</b>	<b>39,124,394</b>	<b>36,972,828</b>	<b>36,693,369</b>	<b>40,850,803</b>	<b>40,332,703</b>	<b>39,806,003</b>
<b>Net Assets</b>	<b>63,990,917</b>	<b>66,699,934</b>	<b>69,947,815</b>	<b>70,216,363</b>	<b>71,396,962</b>	<b>72,191,992</b>	<b>73,235,973</b>	<b>74,306,637</b>
<b>Cash Flow</b>								
Revenues	5,031,924	5,162,841	7,038,066	7,522,225	7,681,375	7,793,353	7,907,570	8,024,071
Operating Expenses	4,552,002	4,139,964	4,518,420	4,627,897	4,720,073	4,825,192	4,921,092	5,018,910
Other Income	17,229	10,231	9,459	9,459	9,459	9,459	9,459	9,459
<b>Cash Flow Before Debt Service</b>	<b>497,151</b>	<b>1,033,108</b>	<b>2,529,105</b>	<b>2,903,787</b>	<b>2,970,761</b>	<b>2,977,620</b>	<b>2,995,937</b>	<b>3,014,620</b>
<b>Debt Service</b>								
Existing Debt Service	466,163	489,780	489,780	492,108	492,209	492,108	492,108	492,908
Proposed KIA Loan	0	0	0	0	0	286,111	286,111	286,111
<b>Total Debt Service</b>	<b>466,163</b>	<b>489,780</b>	<b>489,780</b>	<b>492,108</b>	<b>492,209</b>	<b>778,219</b>	<b>778,219</b>	<b>779,019</b>
<b>Cash Flow After Debt Service</b>	<b>30,988</b>	<b>543,328</b>	<b>2,039,325</b>	<b>2,411,679</b>	<b>2,478,552</b>	<b>2,199,401</b>	<b>2,217,718</b>	<b>2,235,601</b>
<b>Ratios</b>								
Current Ratio	4.3	2.8	1.9	2.1	2.1	2.1	2.1	2.2
Debt to Equity	0.5	0.5	0.6	0.5	0.5	0.6	0.6	0.5
Days Sales in Accounts Receivable	20.3	26.4	26.3	26.3	26.3	26.3	26.3	26.3
Months Operating Expenses in Unrestricted Cash	3.6	1.4	0.7	0.9	1.0	1.2	1.3	1.5
Debt Coverage Ratio	1.1	2.1	5.2	5.9	6.0	3.8	3.8	3.9

<b>EXECUTIVE SUMMARY</b>		Reviewer	John Brady	
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		Date	March 2, 2023	
<b>FUND B, INFRASTRUCTURE</b>		KIA Loan Number	B23-005	
<b>REVOLVING LOAN FUND</b>		WRIS Number	WX21079026	
BORROWER	GARRARD COUNTY WATER ASSOCIATION GARRARD COUNTY			
BRIEF DESCRIPTION				
<p>The Garrard County Water Association (GCWA) is requesting a Fund B loan in the amount of \$1,400,000 for the GCWA Water System Improvements project. Components of the project include rehabbing existing water lines, replacing a water storage tank, and constructing water lines to extend to new customers. Approximately 25,000 linear feet of problematic 8" transmission main will be repaired and the new lines being constructed will provide service to seventeen new customers. A new 50,000 gallon water tank will replace the current 10,500 gallon tank. The project will help to improve the overall service from a water quality and reliability standpoint to the system's customers.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund B Loan	\$1,400,000	RD Fee %	Actual %	
RD Loan	2,500,000	Administrative Expenses		\$5,000
CWP Grant - 22CWW022	774,304	Legal Expenses		5,000
		Land, Easements		10,000
		Planning		15,000
		Eng - Design / Const	6.9%	6.5%
		Eng - Insp	3.7%	3.5%
		Eng - Other		35,000
		Construction		3,708,274
		Equipment		225,000
		Contingency		272,030
TOTAL	\$4,674,304	TOTAL		\$4,674,304
REPAYMENT	Rate	2.25%	Est. Annual Payment	\$90,114
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Jul-22		
	Construction Start	Oct-22		
	Construction Stop	Oct-23		
DEBT PER CUSTOMER	Existing	\$0		
	Proposed	\$677		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,745	\$30.95	(for 4,000 gallons)
	Additional	17	\$30.95	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	746,619	316,659	429,960	2.4
Audited 2020	614,008	1,051,777	(437,769)	0.6
Audited 2021	524,092	1,170,724	(646,632)	0.4
Projected 2022	552,544	0	552,544	n/a
Projected 2023	675,447	87,169	588,278	7.7
Projected 2024	655,910	177,283	478,627	3.7
Projected 2025	639,552	177,283	462,269	3.6
Projected 2026	622,867	177,283	445,584	3.5

Reviewer: John Brady  
Date: March 2, 2023  
Loan Number: B23-005

**KENTUCKY INFRASTRUCTURE AUTHORITY  
INFRASTRUCTURE REVOLVING LOAN FUND (FUND B)  
GARRARD COUNTY WATER ASSOCIATION, GARRARD COUNTY  
PROJECT REVIEW  
WX21079026**

**I. PROJECT DESCRIPTION**

The Garrard County Water Association (GCWA) is requesting a Fund B loan in the amount of \$1,400,000 for the GCWA Water System Improvements project. Components of the project include rehabbing existing water lines, replacing a water storage tank, and constructing water lines to extend to new customers. Approximately 25,000 linear feet of problematic 8" transmission main will be repaired and the new lines being constructed will provide service to seventeen new residential customers. A new 50,000 gallon water tank will replace the current 10,500 gallon tank. The project will help to improve the overall service from a water quality and reliability standpoint to the system's customers.

The GCWA currently serves 5,571 residential customers and 174 commercial customers. They purchase water from both Lancaster Water Works and Danville City Water Works.

**II. PROJECT BUDGET**

	<u>Total</u>
Administrative Expenses	\$ 5,000
Legal Expenses	5,000
Land, Easements	10,000
Planning	15,000
Engineering Fees - Design	207,200
Engineering Fees - Construction	51,800
Engineering Fees - Inspection	140,000
Engineering Fees - Other	35,000
Construction	3,708,274
Equipment	225,000
Contingency	272,030
<b>Total</b>	<b>\$ 4,674,304</b>

### III. PROJECT FUNDING

	Amount	%
Fund B Loan	\$ 1,400,000	30%
RD Loan	2,500,000	53%
CWP Grant	774,304	17%
<b>Total</b>	<b>\$ 4,674,304</b>	<b>100%</b>

### IV. KIA DEBT SERVICE

Construction Loan	\$ 1,400,000
Less: Principal Forgiveness	0
Amortized Loan Amount	\$ 1,400,000
Interest Rate	2.25%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 87,314
Administrative Fee (0.20%)	2,800
<b>Total Estimated Annual Debt Service</b>	<b>\$ 90,114</b>

### V. PROJECT SCHEDULE

Bid Opening	July 2022
Construction Start	October 2022
Construction Stop	October 2023

### VI. RATE STRUCTURE

#### A. Customers

Customers	Current	Proposed
Residential	5,571	17
Commercial	174	0
Industrial	0	0
<b>Total</b>	<b>5,745</b>	<b>17</b>

## B. Rates

<b>Water</b>	<u>Current</u>	<u>Prior</u>	<u>Prior</u>
Date of Last Rate Increase	09/27/22	04/10/22	07/10/20
First 1,000 gallons (Minimum)	\$12.86	\$11.97	\$11.82
Next 1,000 gallons	6.99	6.58	6.43
Next 1,000 gallons	5.67	5.37	5.22
Next 2,000 gallons (per 1,000)	5.43	5.15	5.00
Cost for 4,000 gallons	\$30.95	\$29.07	\$28.47
Increase %	6.5%	2.1%	
Affordability Index (Rate/MHI)	0.7%	0.6%	0.6%

## VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 13,064 with a Median Household Income (MHI) of \$54,818. The MHI for the Commonwealth is \$52,238. The project will qualify for a 2.25% interest rate.

## VIII. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended December 31, 2019 through December 31, 2021. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

### HISTORY

Total water revenues decreased 1.7% from \$2.31 million in 2019 to \$2.27 million in 2021. Operating expenses increased 3.1% from \$747,848 to \$770,717 during the same period. The debt coverage ratio was 2.4, 0.6, and 0.4 in 2019, 2020, and 2021.

The balance sheet reflects a current ratio of 9.9, a debt-to-equity ratio of 0.0, 21.3 days of sales in accounts receivable, and 10.9 months of operating expenses in unrestricted cash.

### PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues will increase 2.1% in 2022 and 6.5% in 2023 due to existing rate increases.

- 2) Operating expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 3.7 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 GCWA 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 \$1,400,000 loan and must receive a Certificate of Public Convenience and Necessity, pursuant to KRS 278.020.

**REPLACEMENT RESERVE**

The replacement reserve will be 5% (\$70,000 total) of the final amount borrowed to be funded annually (\$3,500 yearly) each December 1 for 20 years and maintained for the life of the loan.

**IX. DEBT OBLIGATIONS**

	<u>Outstanding</u>	<u>Maturity</u>
RD Loan i.a.o. \$2,500,000	\$ -	TBD
<b>Total</b>	<b>\$ -</b>	

**X. CONTACTS**

<b>Legal Applicant</b>	
Entity Name	Garrard County Water Association
Authorized Official	Sean Smith (General Manager)
County	Garrard
Email	ssmith@garrardwater.com
Phone	(859) 792-4501
Address	315 Lexington St Lancaster, KY 40444

**Applicant Contact/ Project Engineer**

Name	Ryan Carr
Organization	Kentucky Engineering Group
Email	rcarr@kyengr.com
Phone	(859) 251-4127
Address	PO Box 1034 Versailles, KY 40383

**Project Administrator**

Name	Karyn Leverenz
Organization	BGADD
Email	kleverenz@bgadd.org
Phone	(859) 269-8021
Address	699 Perimeter Dr

**XI. RECOMMENDATIONS**

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

**GARRARD COUNTY WATER ASSOCIATION  
FINANCIAL SUMMARY (DECEMBER YEAR END)**

	<u>Audited</u> <u>2019</u>	<u>Audited</u> <u>2020</u>	<u>Audited</u> <u>2021</u>	<u>Projected</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>
<b>Balance Sheet</b>								
<b>Assets</b>								
Current Assets	950,966	1,447,660	1,842,562	2,075,038	2,318,449	2,509,900	2,694,808	2,873,041
Other Assets	15,567,229	14,177,397	12,728,067	12,628,963	17,225,604	16,965,293	16,695,166	16,415,029
<b>Total</b>	<b>16,518,195</b>	<b>15,625,057</b>	<b>14,570,629</b>	<b>14,704,001</b>	<b>19,544,053</b>	<b>19,475,193</b>	<b>19,389,974</b>	<b>19,288,070</b>
<b>Liabilities &amp; Equity</b>								
Current Liabilities	256,031	272,696	186,807	201,915	338,015	341,715	345,515	349,415
Long Term Liabilities	2,081,086	1,075,944	0	0	3,767,500	3,635,000	3,502,500	3,370,000
<b>Total Liabilities</b>	<b>2,337,117</b>	<b>1,348,640</b>	<b>186,807</b>	<b>201,915</b>	<b>4,105,515</b>	<b>3,976,715</b>	<b>3,848,015</b>	<b>3,719,415</b>
<b>Net Assets</b>	<b>14,181,078</b>	<b>14,276,417</b>	<b>14,383,822</b>	<b>14,502,086</b>	<b>15,438,538</b>	<b>15,498,478</b>	<b>15,541,959</b>	<b>15,568,655</b>
<b>Cash Flow</b>								
Revenues	2,313,887	2,245,172	2,274,614	2,318,480	2,457,106	2,457,106	2,457,106	2,457,106
Operating Expenses	747,848	760,348	770,717	786,131	801,854	821,391	837,749	854,434
Other Income	193,793	127,616	99,892	99,892	99,892	99,892	99,892	99,892
<b>Cash Flow Before Debt Service</b>	<b>1,759,832</b>	<b>1,612,440</b>	<b>1,603,789</b>	<b>1,632,241</b>	<b>1,755,144</b>	<b>1,735,607</b>	<b>1,719,249</b>	<b>1,702,564</b>
<b>Debt Service</b>								
Existing Debt Service	316,659	1,051,777	1,170,724	0	87,169	87,169	87,169	87,169
Proposed KIA Loan	0	0	0	0	0	90,114	90,114	90,114
<b>Total Debt Service</b>	<b>316,659</b>	<b>1,051,777</b>	<b>1,170,724</b>	<b>0</b>	<b>87,169</b>	<b>177,283</b>	<b>177,283</b>	<b>177,283</b>
<b>Cash Flow After Debt Service</b>	<b>1,443,173</b>	<b>560,663</b>	<b>433,065</b>	<b>1,632,241</b>	<b>1,667,975</b>	<b>1,558,324</b>	<b>1,541,966</b>	<b>1,525,281</b>
<b>Ratios</b>								
Current Ratio	3.7	5.3	9.9	10.3	6.9	7.3	7.8	8.2
Debt to Equity	0.2	0.1	0.0	0.0	0.3	0.3	0.2	0.2
Days Sales in Accounts Receivable	27.1	33.1	21.3	21.3	21.3	21.3	21.3	21.3
Months Operating Expenses in Unrestricted Cash	5.0	8.2	10.9	12.3	13.7	14.7	15.8	16.8
Debt Coverage Ratio	2.4	0.6	0.4	N/A	7.7	3.7	3.6	3.5



<b>EXECUTIVE SUMMARY</b>		Reviewer	John Brady	
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		Date	March 2, 2023	
<b>FUND F, FEDERALLY ASSISTED DRINKING WATER</b>		KIA Loan Number	F23-001	
<b>REVOLVING LOAN FUND</b>		WRIS Number	WX21131013	
BORROWER	HYDEN-LESLIE COUNTY WATER DISTRICT LESLIE COUNTY			
BRIEF DESCRIPTION				
The Hyden-Leslie County Water District is requesting a Fund F loan in the amount of \$2,001,013 for the Leslie Waterline Replacement Phase 1 project. This project will replace approximately 28,000 linear feet of water line that experience reoccurring failures. The project will also consist of the replacement of two Booster Pump Stations (BPS) and the rehabilitation of five other BPS's. All BPS's will include new energy efficient variable frequency drives. Ten new zone master meters will be constructed to improve water loss. The overall project will ensure residents continue to receive a reliable source of potable water.				
PROJECT FINANCING		PROJECT BUDGET		
Fund F Loan	\$2,001,013	Administrative Expenses	RD Fee %	Actual %
CWP Grant - 21CWW231	319,305	Legal Expenses		\$50,000
CWP Grant - 22CWW180	181,372	Planning		5,000
EPA Grant	1,390,000	Eng - Design / Const	7.1%	7.1%
		Eng - Insp	3.9%	3.9%
		Eng - Other		125,000
		Construction		3,034,720
		Contingency		303,470
TOTAL	\$3,891,690	TOTAL		\$3,891,690
REPAYMENT	Rate	N/A	Est. Annual Payment	N/A
	Term	N/A		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Sep-23		
	Construction Start	Dec-23		
	Construction Stop	Dec-24		
DEBT PER CUSTOMER	Existing	\$1,605		
	Proposed	\$1,447		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		3,669	\$56.27 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	(1,134)	304,242	(305,376)	0.0
Audited 2020	39,883	312,281	(272,398)	0.1
Audited 2021	484,636	294,042	190,594	1.6
Projected 2022	957,916	294,807	663,109	3.2
Projected 2023	925,379	293,637	631,742	3.2
Projected 2024	892,191	293,002	599,189	3.0
Projected 2025	853,339	292,568	560,771	2.9
Projected 2026	818,810	295,464	523,346	2.8

Reviewer: John Brady  
Date: March 2, 2023  
Loan Number: F23-001

**KENTUCKY INFRASTRUCTURE AUTHORITY  
DRINKING WATER STATE REVOLVING FUND (FUND F)  
HYDEN-LESLIE COUNTY WATER DISTRICT, LESLIE COUNTY  
PROJECT REVIEW  
WX21131013**

**I. PROJECT DESCRIPTION**

The Hyden-Leslie County Water District (the District) is requesting a Fund F loan in the amount of \$2,001,013 for the Leslie Waterline Replacement Phase 1 project. This project will replace approximately 28,000 linear feet of water line that experiences reoccurring failures. The project will also consist of the replacement of two Booster Pump Stations (BPS) and the rehabilitation of five other BPS's. All BPS's will include new energy efficient variable frequency drives. Ten new zone master meters will be constructed to improve water loss. The overall project will ensure residents continue to receive a reliable source of potable water.

The District currently serves 3,431 residential customers and 238 commercial customers.

**II. PROJECT BUDGET**

	<u>Total</u>
Administrative Expenses	\$ 50,000
Legal Expenses	5,000
Planning	7,500
Engineering Fees - Design	189,000
Engineering Fees - Construction	47,000
Engineering Fees - Inspection	130,000
Engineering Fees - Other	125,000
Construction	3,034,720
Contingency	303,470
<b>Total</b>	<b>\$ 3,891,690</b>

**III. PROJECT FUNDING**

	<u>Amount</u>	<u>%</u>
Fund F Loan	\$ 2,001,013	51%
CWP 1	319,305	8%
CWP 2	181,372	5%
EPA	1,390,000	36%
<b>Total</b>	<b>\$ 3,891,690</b>	<b>100%</b>

**IV. KIA DEBT SERVICE**

Construction Loan	\$ 2,001,013
Less: Principal Forgiveness	<u>2,001,013</u>
Amortized Loan Amount	\$ -

**V. PROJECT SCHEDULE**

Bid Opening	September 2023
Construction Start	December 2023
Construction Stop	December 2024

**VI. CUSTOMER COMPOSITION AND RATE STRUCTURE**

**A) Customers**

<u>Customers</u>	<u>Current</u>
Residential	3,431
Commercial	238
Industrial	<u>0</u>
Total	3,669

**B) Rates**

	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	11/06/21	11/06/20
Minimum (2,000 gallons)	\$29.78	\$23.44
Next 3,000 gallons (per 1,000)	12.48	9.82
Water Loss Reduction Surcharge	<u>1.53</u>	<u>1.53</u>
Cost for 4,000 gallons	\$56.27	\$44.61
Increase %	26.1%	
Affordability Index (Rate/MHI)	1.9%	1.5%

## **VII. DEMOGRAPHICS**

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 9,677 with a Median Household Income (MHI) of \$35,919. The MHI for the Commonwealth is \$52,238.

## **VIII. 2021 CAPITALIZATION GRANT EQUIVALENCIES**

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a "green" requirement.
- 2) Additional Subsidization – This project qualifies for additional subsidization. Principal forgiveness of 100% of the assistance amount, not to exceed \$2,001,013 will be credited to the loan balance upon release of liens on all contracts and disbursement of the final draw request by KIA to the borrower.

## **IX. FINANCIAL ANALYSIS**

Financial information was obtained from the audited financial statements for the years ended December 31, 2019 through December 31, 2021. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

### **HISTORY**

Total water revenues increased 35.1% from \$1.54 million in 2019 to \$2.08 million in 2021 due to rate adjustments. Operating expenses increased 1.5% from \$1.57 million to \$1.59 million during the same period. The debt coverage ratio was 0.0, 0.1, and 1.6 in 2019, 2020, and 2021.

The balance sheet reflects a current ratio of 4.2, a debt-to-equity ratio of 0.3, 52.1 days of sales in accounts receivable, and 2.5 months of operating expenses in unrestricted cash.

### **PROJECTIONS**

Projections are based on the following assumptions:

- 1) Water revenues will increase 26.1% in 2022 due to an existing rate increase.
- 2) Operating expenses will increase 2% annually due to inflation.

The 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 \$2,001,013 loan and must receive a Certificate of Public Convenience and Necessity, pursuant to KRS 278.020.

**REPLACEMENT RESERVE**

The replacement reserve will be 5% (\$100,000 total) of the final amount borrowed (prior to principal forgiveness) to be funded annually (\$5,000 yearly) each December 1 for 20 years and maintained for the life of the loan.

**X. DEBT OBLIGATIONS**

	<u>Outstanding</u>	<u>Maturity</u>
USDA Loan	\$ 275,417	2028
USDA Loan	216,400	2040
USDA Loan	985,000	2051
USDA Loan	1,675,000	2051
KIA Loan B19-008	<u>2,736,044</u>	2050
<b>Total</b>	<b>\$ 5,887,861</b>	

**XI. CONTACTS**

<b>Legal Applicant</b>	
Entity Name	Hyden-Leslie County Water District
Authorized Official	Kevin Cook (Chairman)
County	Leslie
Email	hlwater@tds.net
Phone	(606) 275-0572
Address	PO Box 906 Hyden, KY 41749

<b>Applicant Contact</b>	
Name	LJ Turner
Organization	Hyden-Leslie County Water District
Email	hlwater@tds.net
Phone	(606) 672-2791
Address	PO Box 906 Hyden, KY 41749

**Project Administrator**

Name	Jennifer McIntosh
Organization	KRADD
Email	jennifer@kradd.org
Phone	(606) 436-3158
Address	941 N Main St Hazard, KY 41701

**Consulting Engineer**

PE Name	Paul Nesbitt
Firm Name	Nesbitt Engineering Inc.
Email	pnesbitt@nei-ky.com
Phone	(859) 233-3111
Address	227 N Upper St Lexington, KY 40507

**XII. RECOMMENDATIONS**

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

**HYDEN-LESLIE COUNTY WATER DISTRICT  
FINANCIAL SUMMARY (DECEMBER YEAR END)**

	<u>Audited</u> <u>2019</u>	<u>Audited</u> <u>2020</u>	<u>Audited</u> <u>2021</u>	<u>Projected</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>
<b>Balance Sheet</b>								
<b>Assets</b>								
Current Assets	1,421,179	1,065,215	1,173,332	1,315,281	1,378,455	1,438,374	1,494,452	1,546,786
Other Assets	24,701,064	24,164,240	23,488,396	23,285,472	23,054,318	22,793,867	26,293,237	25,867,234
<b>Total</b>	<b>26,122,243</b>	<b>25,229,455</b>	<b>24,661,728</b>	<b>24,600,754</b>	<b>24,432,774</b>	<b>24,232,241</b>	<b>27,787,688</b>	<b>27,414,021</b>
<b>Liabilities &amp; Equity</b>								
Current Liabilities	195,681	272,833	276,882	280,246	284,088	288,616	296,479	303,079
Long Term Liabilities	6,044,607	5,982,218	5,814,753	5,589,111	5,393,230	5,193,921	4,987,849	4,776,277
<b>Total Liabilities</b>	<b>6,240,288</b>	<b>6,255,051</b>	<b>6,091,635</b>	<b>5,869,357</b>	<b>5,677,318</b>	<b>5,482,537</b>	<b>5,284,328</b>	<b>5,079,356</b>
<b>Net Assets</b>	<b>19,881,955</b>	<b>18,974,404</b>	<b>18,570,093</b>	<b>18,731,397</b>	<b>18,755,456</b>	<b>18,749,704</b>	<b>22,503,361</b>	<b>22,334,665</b>
<b>Cash Flow</b>								
Revenues	1,539,355	1,589,102	2,079,057	2,578,727	2,578,727	2,578,727	2,578,727	2,578,727
Operating Expenses	1,571,153	1,557,320	1,594,952	1,633,910	1,666,447	1,699,635	1,738,487	1,773,016
Other Income	30,664	8,101	531	13,099	13,099	13,099	13,099	13,099
<b>Cash Flow Before Debt Service</b>	<b>(1,134)</b>	<b>39,883</b>	<b>484,636</b>	<b>957,916</b>	<b>925,379</b>	<b>892,191</b>	<b>853,339</b>	<b>818,810</b>
<b>Debt Service</b>								
Existing Debt Service	304,242	312,281	294,042	294,807	293,637	293,002	292,568	295,464
Proposed KIA Loan	0	0	0	0	0	0	0	0
<b>Total Debt Service</b>	<b>304,242</b>	<b>312,281</b>	<b>294,042</b>	<b>294,807</b>	<b>293,637</b>	<b>293,002</b>	<b>292,568</b>	<b>295,464</b>
<b>Cash Flow After Debt Service</b>	<b>(305,376)</b>	<b>(272,398)</b>	<b>190,594</b>	<b>663,109</b>	<b>631,742</b>	<b>599,189</b>	<b>560,771</b>	<b>523,346</b>
<b>Ratios</b>								
Current Ratio	7.3	3.9	4.2	4.7	4.9	5.0	5.0	5.1
Debt to Equity	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
Days Sales in Accounts Receivable	56.5	63.3	52.1	52.1	52.1	52.1	52.1	52.1
Months Operating Expenses in Unrestricted Cash	1.2	1.3	2.1	2.5	2.9	3.3	3.6	3.9
Debt Coverage Ratio	(0.0)	0.1	1.6	3.2	3.2	3.0	2.9	2.8

<b>EXECUTIVE SUMMARY</b>		Reviewer	John Brady	
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		Date	March 2, 2023	
<b>FUND F, FEDERALLY ASSISTED DRINKING WATER</b>		KIA Loan Number	F23-009S	
<b>REVOLVING LOAN FUND</b>		WRIS Number	WX21155060	
BORROWER	CITY OF LEBANON MARION COUNTY			
BRIEF DESCRIPTION				
<p>The City of Lebanon on behalf of the Lebanon Water Works Company is requesting a Fund F loan in the amount of \$3,850,060 for the 2022 Water Treatment Plant (WTP) and Water System Improvements project. This project will replace old galvanized and cast iron water mains in the downtown area as well as upsize a portion of their transmission main from the WTP. This will complete the downtown replacement of the old galvanized and cast iron water mains. Many of the older service lines still have lead gooseneck connections that will be removed. The total linear footage of pipe in the project is approximately 16,300 linear feet. Much needed improvements at the WTP include adding a carbon feed system, intake screen, raw water flowmeter, replacing valves and pneumatic actuators with electric actuators in the pipe gallery, and electrical upgrades.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund F Loan	\$3,850,060	RD Fee %	Actual %	
TOTAL	\$3,850,060	TOTAL		\$3,850,060
REPAYMENT	Rate	0.50%	Est. Annual Payment	\$41,505
	Term	30 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Aug-23		
	Construction Start	Oct-23		
	Construction Stop	Sep-24		
DEBT PER CUSTOMER	Existing	\$3,821		
	Proposed	\$6,277		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>	
		2,804	\$29.18	(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	790,915	556,439	234,476	1.4
Audited 2021	1,098,952	514,007	584,945	2.1
Audited 2022	1,530,447	630,685	899,762	2.4
Projected 2023	1,574,031	600,278	973,753	2.6
Projected 2024	1,547,622	844,518	703,104	1.8
Projected 2025	1,534,089	1,108,309	425,780	1.4
Projected 2026	1,530,077	1,127,863	402,214	1.4
Projected 2027	1,525,985	1,127,863	398,122	1.4



Reviewer: John Brady  
Date: March 2, 2023  
Loan Number: F23-009S

**KENTUCKY INFRASTRUCTURE AUTHORITY  
DRINKING WATER STATE REVOLVING FUND (FUND F)  
CITY OF LEBANON F/B/O LEBANON WATER WORKS COMPANY  
MARION COUNTY  
PROJECT REVIEW  
WX21155060**

**I. PROJECT DESCRIPTION**

The City of Lebanon on behalf of the Lebanon Water Works Company (LWW) is requesting a Fund F loan in the amount of \$3,850,060 for the 2022 Water Treatment Plant (WTP) and Water System Improvements project. This project will replace old galvanized and cast-iron water mains in the downtown area as well as upsize a portion of their transmission main from the WTP. This will complete the downtown replacement of the old galvanized and cast-iron water mains. Many of the older service lines still have lead gooseneck connections that will be removed. The total amount of pipe in the project is approximately 16,300 linear feet. Much needed improvements at the WTP include adding a carbon feed system, intake screen, raw water flowmeter, replacing valves and pneumatic actuators with electric actuators in the pipe gallery, and electrical upgrades.

The LWW currently serves 2,178 residential customers, 625 commercial and industrial customers, and provide wholesale service to the Marion County Water District.

**II. PROJECT BUDGET**

	<u>Total</u>
Administrative Expenses	\$ 25,000
Land, Easements	5,000
Planning	20,000
Engineering Fees - Design	184,000
Engineering Fees - Construction	46,000
Engineering Fees - Inspection	140,000
Engineering Fees - Other	10,000
Construction	3,108,060
Contingency	312,000
<b>Total</b>	<b>\$ 3,850,060</b>

**III. PROJECT FUNDING**

	<u>Amount</u>	<u>%</u>
Fund F Loan	\$ 3,850,060	100%
<b>Total</b>	<b>\$ 3,850,060</b>	<b>100%</b>

**IV. KIA DEBT SERVICE**

Construction Loan	\$ 3,850,060
Less: Principal Forgiveness	<u>2,770,245</u>
Amortized Loan Amount	\$ 1,079,815
Interest Rate	0.50%
Loan Term (Years)	<u>30</u>
Estimated Annual Debt Service	\$ 38,806
Administrative Fee (0.25%)	<u>2,700</u>
<b>Total Estimated Annual Debt Service</b>	<b>\$ 41,505</b>

**V. PROJECT SCHEDULE**

Bid Opening	August 2023
Construction Start	October 2023
Construction Stop	September 2024

**VI. CUSTOMER COMPOSITION AND RATE STRUCTURE**

**A) Customers**

<u>Customers</u>	<u>Current</u>
Residential	2,178
Commercial	625
Industrial	<u>1</u>
<b>Total</b>	<b>2,804</b>

**B) Rates**

<u>Inside City</u>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	08/08/22	06/23/21
Meter Charge	\$9.02	\$8.35
Per 100 Cubic Feet	<u>3.77</u>	<u>3.66</u>
Cost for 4,000 gallons	\$29.18	\$27.92
Increase %	4.5%	
Affordability Index (Rate/MHI)	1.2%	1.1%

<b>Outside City</b>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	08/08/22	06/23/21
Meter Charge	\$9.92	\$9.19
Per 100 Cubic Feet	4.15	4.03
<hr/>		
Cost for 4,000 gallons	\$32.11	\$30.74
Increase %	4.5%	
Affordability Index (Rate/MHI)	1.3%	1.2%

<b>Wholesale</b>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	11/16/20	11/15/19
Meter Charge	\$7.84	\$7.84
Per 100 Cubic Feet	3.25	3.07
<hr/>		
Cost for 4,000 gallons	\$25.22	\$24.26
Increase %	4.0%	
Affordability Index (Rate/MHI)	1.0%	1.0%

**VII. DEMOGRAPHICS**

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility’s service area population was 6,412 with a Median Household Income (MHI) of \$30,382. The MHI for the Commonwealth is \$52,238. The project will qualify for a 0.50% interest rate.

**VIII. 2021 CAPITALIZATION GRANT EQUIVALENCIES**

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a “green” requirement.
- 2) Additional Subsidization – This project qualifies for additional subsidization. Principal forgiveness of \$2,770,245 will be credited to the loan balance upon release of liens on all contracts and disbursement of the final draw request by KIA to the borrower.

**IX. FINANCIAL ANALYSIS**

Financial information was obtained from the audited financial statements for the years ended June 30, 2020 through June 30, 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 25.9% from \$3.38 million in 2020 to \$4.25 million in 2022 due to rate adjustments. Operating expenses increased 3.8% from \$2.26 million to \$2.34 million during the same period. The debt coverage ratio was 1.4, 2.1, and 2.4 in 2020, 2021, and 2022.

The balance sheet reflects a current ratio of 1.1, a debt-to-equity ratio of 1.6, 44.6 days of sales in accounts receivable, and 3.7 months of operating expenses in unrestricted cash.

## PROJECTIONS

Projections are based on the following assumptions:

- 1) Retail water revenues will increase 4.5% in 2023 due to an existing rate increase and 2% in future years due to an annual CPI rate adjustment.
- 2) Operating expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 1.4 in 2025 when principal and interest repayments begin.

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

## REPLACEMENT RESERVE

The replacement reserve will be 5% (\$192,000 total) of the final amount borrowed (prior to principal forgiveness) to be funded annually (\$9,600 yearly) each December 1 for 20 years and maintained for the life of the loan.

## X. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
KIA Loan B08-09	\$ 262,992	2030
KIA Loan F14-036	1,843,743	2038
KIA Loan F15-057	532,621	2036
KIA Loan F18-006	3,389,114	2051
Citizens National Bank Note	2,078,688	2029
KIA Loan F20-002 (i.a.o. \$6,841,205)		TBD
RD Loan (i.a.o. \$7,560,630)		TBD
<b>Total</b>	<b>\$ 8,107,158</b>	

**XI. CONTACTS**

<b>Legal Applicant</b>	
Entity Name	City of Lebanon
Authorized Official	Gary Crenshaw (Mayor)
County	Marion
Email	gdcrenshaw@icloud.com
Phone	(270) 692-6272
Address	PO Box 840 Lebanon, KY 40033

<b>Applicant Contact</b>	
Name	Daren Thompson
Organization	Lebanon Water Works Company
Email	daren.thompson@lebanonwaterworks.com
Phone	(270) 692-2491
Address	120 S Proctor Knott Ave Lebanon, KY 40033

<b>Project Administrator</b>	
Name	Holly Nicholas
Organization	Kentucky Engineering Group
Email	hnicholas@kyengr.com
Phone	(859) 251-4127
Address	PO Box 1034 Versailles, KY 40383

<b>Consulting Engineer</b>	
PE Name	James Thompson
Firm Name	Kentucky Engineering Group
Email	jthompson@kyengr.com
Phone	(859) 251-4127
Address	101 High St Versailles, KY 40383

**XII. RECOMMENDATIONS**

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

**CITY OF LEBANON  
FINANCIAL SUMMARY (JUNE YEAR END)**

	<u>Audited 2020</u>	<u>Audited 2021</u>	<u>Audited 2022</u>	<u>Projected 2023</u>	<u>Projected 2024</u>	<u>Projected 2025</u>	<u>Projected 2026</u>	<u>Projected 2027</u>
<b>Balance Sheet</b>								
<b>Assets</b>								
Current Assets	819,109	1,094,291	1,507,341	1,765,814	1,911,834	2,002,490	2,088,533	2,173,857
Other Assets	17,569,577	18,940,573	21,594,979	21,719,032	29,090,944	32,434,175	31,908,493	31,379,538
<b>Total</b>	<b>18,388,686</b>	<b>20,034,864</b>	<b>23,102,320</b>	<b>23,484,846</b>	<b>31,002,778</b>	<b>34,436,665</b>	<b>33,997,026</b>	<b>33,553,395</b>
<b>Liabilities &amp; Equity</b>								
Current Liabilities	1,343,947	1,057,358	1,371,277	1,352,328	1,566,402	1,625,368	1,648,556	1,674,458
Long Term Liabilities	9,264,906	10,986,852	12,969,848	12,462,324	19,314,856	19,641,408	18,878,956	18,104,903
<b>Total Liabilities</b>	<b>10,608,853</b>	<b>12,044,210</b>	<b>14,341,125</b>	<b>13,814,652</b>	<b>20,881,258</b>	<b>21,266,775</b>	<b>20,527,512</b>	<b>19,779,360</b>
<b>Net Assets</b>	<b>7,779,833</b>	<b>7,990,654</b>	<b>8,761,195</b>	<b>9,670,194</b>	<b>10,121,520</b>	<b>13,169,890</b>	<b>13,469,515</b>	<b>13,774,035</b>
<b>Cash Flow</b>								
Revenues	3,379,043	3,583,800	4,253,736	4,334,439	4,378,424	4,423,289	4,469,051	4,515,729
Operating Expenses	2,259,556	2,170,507	2,345,162	2,392,065	2,462,459	2,520,857	2,570,631	2,621,401
Other Income	38,760	46,005	27,706	37,490	37,490	37,490	37,490	37,490
<b>Cash Flow Before Debt Service</b>	<b>1,158,247</b>	<b>1,459,298</b>	<b>1,936,280</b>	<b>1,979,864</b>	<b>1,953,455</b>	<b>1,939,922</b>	<b>1,935,910</b>	<b>1,931,818</b>
<b>Debt Service</b>								
Existing Debt Service	556,439	514,007	630,685	600,278	844,518	1,087,557	1,086,358	1,086,358
Proposed KIA Loan	0	0	0	0	0	20,753	41,505	41,505
<b>Total Debt Service</b>	<b>556,439</b>	<b>514,007</b>	<b>630,685</b>	<b>600,278</b>	<b>844,518</b>	<b>1,108,309</b>	<b>1,127,863</b>	<b>1,127,863</b>
<b>Cash Flow After Debt Service</b>	<b>601,808</b>	<b>945,291</b>	<b>1,305,595</b>	<b>1,379,586</b>	<b>1,108,937</b>	<b>831,613</b>	<b>808,047</b>	<b>803,955</b>
<b>Ratios</b>								
Current Ratio	0.6	1.0	1.1	1.3	1.2	1.2	1.3	1.3
Debt to Equity	1.4	1.5	1.6	1.4	2.1	1.6	1.5	1.4
Days Sales in Accounts Receivable	46.9	44.6	44.6	44.6	44.6	44.6	44.6	44.6
Months Operating Expenses in Unrestricted Cash	1.1	1.9	3.7	4.5	5.0	5.3	5.5	5.7
Debt Coverage Ratio	1.4	2.1	2.4	2.6	1.8	1.4	1.4	1.4

<b>EXECUTIVE SUMMARY</b>		Reviewer	John Brady	
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		Date	March 2, 2023	
<b>FUND F, FEDERALLY ASSISTED DRINKING WATER</b>		KIA Loan Number	F23-119L	
<b>REVOLVING LOAN FUND</b>		WRIS Number	WX21003028	
BORROWER	CITY OF SCOTTSVILLE ALLEN COUNTY			
BRIEF DESCRIPTION				
The City of Scottsville (the City) is requesting a Fund F loan in the amount of \$100,000 for the Lead Service Line Inventory project. The City will conduct an inventory of all the public and private service lines in their water distribution system to identify which lines, if any, are made of lead piping. Work shall include professional engineering services to aid in review and summary of historic records and existing data along with visual and invasive inspections on existing service lines. Conducting an inventory of service lines within the system will allow the City and public to have information regarding lead piping in the system for future planned replacement of such piping.				
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %	
Fund F Loan	\$100,000	Planning	\$30,000	
		Construction	70,000	
TOTAL	\$100,000	TOTAL	\$100,000	
REPAYMENT	Rate Term	N/A N/A	Est. Annual Payment N/A	
PROFESSIONAL SERVICES	Engineer Bond Counsel	GRW Engineers Inc. Rubin & Hays		
PROJECT SCHEDULE	Inventory Start Inventory End	Mar-23 Oct-24		
DEBT PER CUSTOMER	Existing Proposed	\$838 \$817		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users 6,483	Avg. Bill \$34.50 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	350,371	78,324	272,047	4.5
Audited 2021	191,011	81,899	109,112	2.3
Audited 2022	349,073	184,015	165,058	1.9
Projected 2023	341,372	194,698	146,674	1.8
Projected 2024	336,943	273,111	63,832	1.2
Projected 2025	332,425	285,042	47,383	1.2
Projected 2026	327,817	285,041	42,776	1.2
Projected 2027	323,117	285,441	37,676	1.1

Reviewer: John Brady  
 Date: March 2, 2023  
 Loan Number: F23-119L

**KENTUCKY INFRASTRUCTURE AUTHORITY  
 DRINKING WATER STATE REVOLVING FUND (FUND F)  
 CITY OF SCOTTSVILLE, ALLEN COUNTY  
 PROJECT REVIEW  
 WX21003028**

**I. PROJECT DESCRIPTION**

The City of Scottsville (the City) is requesting a Fund F loan in the amount of \$100,000 for the Lead Service Line Inventory project. The City will conduct an inventory of all the public and private service lines in their water distribution system to identify which lines, if any, are made of lead piping. Work will include professional engineering services to aid in review and summary of historic records and existing data along with visual and invasive inspections on existing service lines. Conducting an inventory of service lines within the system will allow the City and public to have information regarding lead piping in the system for future planned replacement of such piping.

The City currently serves 5,646 residential customers and 837 commercial and industrial customers.

**II. PROJECT BUDGET**

	<b>Total</b>
Planning	\$ 30,000
Construction	70,000
<b>Total</b>	<b>\$ 100,000</b>

**III. PROJECT FUNDING**

	<b>Amount</b>	<b>%</b>
Fund F Loan	\$ 100,000	100%
<b>Total</b>	<b>\$ 100,000</b>	<b>100%</b>

**IV. KIA DEBT SERVICE**

Construction Loan	\$ 100,000
Less: Principal Forgiveness	100,000
Amortized Loan Amount	\$ -



**V. PROJECT SCHEDULE**

Inventory Start            March 2023  
Inventory Completion    October 2024

**VI. CUSTOMER COMPOSITION AND RATE STRUCTURE**

**A) Customers**

<u>Customers</u>	<u>Current</u>
Residential	5,646
Commercial	786
Industrial	51
Total	6,483

**B) Rates**

<b>Water</b>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	08/01/22	08/01/21
First 2,000 gallons (Minimum)	\$19.64	\$19.25
Next 3,000 gallons (per 1,000)	7.43	7.28
Cost for 4,000 gallons	\$34.50	\$33.81
Increase %	2.0%	
Affordability Index (Rate/MHI)	1.2%	1.2%

<b>Sewer</b>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	08/01/22	08/01/21
First 2,000 gallons (Minimum)	\$19.64	\$19.25
Next 3,000 gallons (per 1,000)	7.43	7.28
Cost for 4,000 gallons	\$34.50	\$33.81
Increase %	2.0%	
Affordability Index (Rate/MHI)	1.2%	1.2%

**VII. DEMOGRAPHICS**

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility’s service area population was 5,300 with a Median Household Income (MHI) of \$33,866. The MHI for the Commonwealth is \$52,238.

**VIII. 2021 CAPITALIZATION GRANT EQUIVALENCIES**

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a “green” requirement.
- 2) Additional Subsidization – This project qualifies for additional subsidization. Principal forgiveness of 100% of the assistance amount, not to exceed \$100,000 will be credited to the loan balance upon release of liens on all contracts and disbursement of the final draw request by KIA to the borrower.

**IX. FINANCIAL ANALYSIS**

Financial information was obtained from the audited financial statements for the years ended June 30, 2020 through June 30, 2022. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

**HISTORY**

Total revenues increased 6.1% from \$2.44 million in 2020 to \$2.59 million in 2022 due to rate adjustments for both water and sewer services. Operating expenses increased 7.2% from \$2.09 million to \$2.24 million during the same period due mostly to costs associated with repairs and maintenance. The debt coverage ratio was 4.5, 2.3, and 1.9 in 2020, 2021, and 2022.

The balance sheet reflects a current ratio of 0.6, a debt-to-equity ratio of 3.5, 42.4 days of sales in accounts receivable, and 1.5 months of operating expenses in unrestricted cash.

**PROJECTIONS**

Projections are based on the following assumptions:

- 1) Water and sewer revenues will each increase 2% in future years due to the City’s annual CPI rate adjustment for both services.
- 2) Operating expenses will increase 2% annually due to inflation.

**X. DEBT OBLIGATIONS**

	<u>Outstanding</u>	<u>Maturity</u>
KIA Loan B12-08	\$ 87,298	2033
KIA Loan B13-005	848,967	2037
KRWA Note	<u>3,640,000</u>	2051
KIA Loan F21-026 (i.a.o. \$696,500)		TBD
<b>Total</b>	<b>\$ 4,576,265</b>	

## **XI. CONTACTS**

<b>Legal Applicant</b>	
Entity Name	City of Scottsville
Authorized Official	David Burch (Mayor)
County	Allen
Email	david.burch@cityofscottsville.org
Phone	(270) 237-3238
Address	201 W Main St, Ste 10 Scottsville, KY 42164

<b>Applicant Contact</b>	
Name	Lauren Cherry
Organization	City of Scottsville
Email	lcherry@cityofscottsville.org
Phone	(270) 237-3238
Address	201 W Main St, Ste 10 Scottsville, KY 42164

<b>Project Administrator</b>	
Name	Morgan Hershey
Organization	Infrastructure Planner
Email	morgan.hershey@bradd.org
Phone	(270) 781-2381
Address	177 Graham Ave Bowling Green, KY 42101

<b>Consulting Engineer</b>	
PE Name	Adalyn Haney
Firm Name	GRW Engineers Inc.
Email	ahaney@grwinc.com
Phone	(502) 489-8484
Address	11909 Shelbyville Rd, Ste 100 Louisville, KY 40243

## **XII. RECOMMENDATIONS**

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

**CITY OF SCOTTSVILLE**  
**FINANCIAL SUMMARY (JUNE YEAR END)**

	<b>Audited</b>	<b>Audited</b>	<b>Audited</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>
	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>	<b>2026</b>	<b>2027</b>
<b>Balance Sheet</b>								
<b>Assets</b>								
Current Assets	579,965	738,244	721,669	873,010	941,642	993,924	1,041,700	1,084,476
Other Assets	8,479,744	9,994,783	9,507,760	8,780,297	8,746,834	8,116,871	7,386,908	6,656,945
<b>Total</b>	<b>9,059,709</b>	<b>10,733,027</b>	<b>10,229,429</b>	<b>9,653,307</b>	<b>9,688,476</b>	<b>9,110,795</b>	<b>8,428,608</b>	<b>7,741,421</b>
<b>Liabilities &amp; Equity</b>								
Current Liabilities	1,192,701	1,278,452	1,129,057	1,097,030	1,121,822	1,129,204	1,136,590	1,144,080
Long Term Liabilities	4,743,900	6,734,548	6,848,518	6,704,764	6,886,369	6,714,241	6,536,628	6,353,524
<b>Total Liabilities</b>	<b>5,936,601</b>	<b>8,013,000</b>	<b>7,977,575</b>	<b>7,801,794</b>	<b>8,008,190</b>	<b>7,843,445</b>	<b>7,673,217</b>	<b>7,497,604</b>
<b>Net Assets</b>	<b>3,123,108</b>	<b>2,720,027</b>	<b>2,251,854</b>	<b>1,851,513</b>	<b>1,680,286</b>	<b>1,267,351</b>	<b>755,391</b>	<b>243,818</b>
<b>Cash Flow</b>								
Revenues	2,436,810	2,523,091	2,586,012	2,626,425	2,667,646	2,709,691	2,752,577	2,796,321
Operating Expenses	2,087,143	2,338,607	2,237,733	2,287,728	2,333,378	2,379,941	2,427,435	2,475,879
Other Income	704	6,527	794	2,675	2,675	2,675	2,675	2,675
<b>Cash Flow Before Debt Service</b>	<b>350,371</b>	<b>191,011</b>	<b>349,073</b>	<b>341,372</b>	<b>336,943</b>	<b>332,425</b>	<b>327,817</b>	<b>323,117</b>
<b>Debt Service</b>								
Existing Debt Service	78,324	81,899	184,015	194,698	273,111	285,042	285,041	285,441
Proposed KIA Loan	0	0	0	0	0	0	0	0
<b>Total Debt Service</b>	<b>78,324</b>	<b>81,899</b>	<b>184,015</b>	<b>194,698</b>	<b>273,111</b>	<b>285,042</b>	<b>285,041</b>	<b>285,441</b>
<b>Cash Flow After Debt Service</b>	<b>272,047</b>	<b>109,112</b>	<b>165,058</b>	<b>146,674</b>	<b>63,832</b>	<b>47,383</b>	<b>42,776</b>	<b>37,676</b>
<b>Ratios</b>								
Current Ratio	0.5	0.6	0.6	0.8	0.8	0.9	0.9	0.9
Debt to Equity	1.9	2.9	3.5	4.2	4.8	6.2	10.2	30.8
Days Sales in Accounts Receivable	42.5	48.6	42.4	42.4	42.4	42.4	42.4	42.4
Months Operating Expenses in Unrestricted Cash	1.2	1.4	1.5	2.2	2.5	2.7	2.9	3.0
Debt Coverage Ratio	4.5	2.3	1.9	1.8	1.2	1.2	1.2	1.1

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	21CWS131
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21107037
GRANTEE	WHITE PLAINS, CITY OF HOPKINS COUNTY		
BRIEF DESCRIPTION			
This project will consist of relining manholes with a special coating to reduce I & I into the system.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee %    Actual %
CWP - Sewer Grant - 21CWS131	\$110,000	Administrative Expenses	\$1,000
CWP Grant 22CWS111	60,000	Construction	169,000
TOTAL	\$170,000	TOTAL	\$170,000
PROFESSIONAL SERVICES	Engineer	NA	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 296	<u>Avg. Bill</u> \$ 71.63 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Hopkins	\$ 110,000.00	
	Total	\$ 110,000.00	
Notes:			
This grant is a reallocation of a previously approved grant. Previous Grantee: City of White Plains Previous Grant #21CWW093 Previous WRIS #WX21107058 Prior Approval Date: 04/19/2022			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Debbie Landrum March 16, 2023 21CWW162 WX21175009
GRANTEE	WEST LIBERTY, CITY OF MORGAN COUNTY		
BRIEF DESCRIPTION			
<p>Summary The proposed project features the construction of a new 47,000 gallon steel ground storage tank, a new 40 gallons per minute (GPM), 10 horsepower (HP) duplex hydro-pneumatic pump station, waterline replacement on Glenn Avenue, Main Street, Court Street, Broadway Street, Rupe Drive, Branch Street, and Davis Lane, a waterline extension on Branch Street to loop to Rupe Drive and Glenn Avenue, and the purchase and installation of 17 6" D.I.M.J. gate valves and boxes, 1 2" D.I.M.J. gate valves and box, 12 hydrants, 47 residential meters and setters, air relief valves, 70 12" Steel Casing (Bore and Jack), 15 waterline markers, and one 2" service meter for the Eastern Kentucky Correctional Complex. The proposed project will improve service and ensure high-quality standards are met throughout the area. Background Currently, the McClain Way area (roads: McClain Way, Tower Hill, Hutchinson Road, and Daisy Knob) is serviced via the 1,500,000 gallon elevated Prison Tank. The configuration of the Prison Tank only allows for the City of West Liberty to utilize the top 1/3 (500,000 gallons) of the tank via an internal standpipe and 8" outlet waterline. When water levels in the tank approach 2/3 full, residents in the McClain Way area of the City of West Liberty experience low water pressure and periodic outages in service. Water is fed into the bottom of the Prison Tank's bowl, through a booster station, via a 10" waterline. The prison meter is tapped and fed from the 10" waterline as well. When the booster station is on, the tank is filled via the bottom of the bowl. When the booster station is off, the prison meter is back fed from the bottom of the tank with fresh potable water. Given that McClain Way residents are fed via the top 1/3 of the tank, and water enters the bottom of the tank, water does not circulate and is not often turned over. This can lead to water quality issues for the City's customers. Scope of Work To remedy the water service and potential water quality issues, the City of West Liberty has proposed to construct a new pressure system with a new 47,000 gallon steel ground storage tank and hydro-pneumatic pump station on Daisy Knob Rd to serve the households in the Hutchinson Road Area. The proposed tank will provide water to the new hydro-pneumatic pump station. The new hydro-pneumatic pump station will have three pumps: two 40 gallon per minute pumps for daily usage and one 500 gallon per minute pump for flushing and to match existing flows. The pump station variable frequency drives will maintain a constant discharge pressure no matter the system flow requirements at any given time. Telemetry and electrical services will be provided. The proposed tank will connect at Daisy Knob Rd via approximately 350 linear feet (LF) of 6" PVC waterline. In addition to the construction of a new water tank and supporting infrastructure, outlined above, the City of West Liberty has proposed to replace aging, undersized, and problematic waterline throughout sections of West Liberty in order to improve the water quality and service to the area. Aging, undersized, and problematic waterline will be replaced on Glenn Avenue (approximately 1,100 LF), Main Street (approximately 1,800 LF), Court Street (approximately 700 LF), Broadway Street (approximately 100 LF), Rupe Drive (approximately 150 LF), Branch Street (approximately 200 LF), and Davis Lane (approximately 1,500 LF). Waterline service will be extended approximately 500 LF on Branch Street to loop to Rupe Drive and Glenn Avenue via a proposed 6" PVC waterline. Additional components such as the 17 6" D.I.M.J. gate valves and boxes, 1 2" D.I.M.J. gate valves and box, 12 hydrants, 47 residential meters and setters, 70 12" Steel Casing (Bore and Jack), 15 waterline markers, and one 2" service meter for the Eastern Kentucky Correctional Complex. The proposed project will improve service and ensure high-quality The 2" service meter will be installed to serve the Eastern Kentucky Correctional Complex, as the existing meter is not reading accurately.</p>			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Water Grant - 21CWW162	\$432,846	RD Fee %	Actual %
ARC	1,200,000		
SRF F20-006	300,000		
		Administrative Expenses	\$40,000
		Legal Expenses	5,000
		Land, Easements	18,000
		Planning	5,000
		Eng - Design / Const	8.0% 8.1% 132,000
		Eng - Insp	4.9% 4.9% 81,000
		Eng - Other	15,000
		Construction	1,536,846
		Contingency	100,000
TOTAL	\$1,932,846	TOTAL	\$1,932,846
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	Users	Avg. Bill
		811	\$ 36.70 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Morgan	\$ 432,846.00	
	Total	\$ 432,846.00	
Notes:			
Prior Approval:			
County Allocation Pool	Morgan County	\$ 245,000	June 23, 2022
County Allocation Pool	Reallocation	\$ 187,846	Pending Approval March 16, 2023
This grant is being allocated additional funds through the reallocation of a previously approved grant.			
Previous Grantee: West Liberty			
Previous Grantee #21CWS084			
Previous WRIS #SX21175084			
Prior Approval Date:12/28/2021			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	21CWW214
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21229015
GRANTEE	SPRINGFIELD WATER AND SEWER COMMISSION WASHINGTON COUNTY		
BRIEF DESCRIPTION			
Three existing water storage tanks will be repainted. The three tanks are named the Willisburg Tank, ETown Road Tank and the Wesley Chapel Tank. The tanks will be sand blasted inside, mixers installed inside the bowl and the inside and outside painted.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW214	\$444,202	Eng - Design / Const	10.9% 8.2% \$30,530
		Eng - Insp	8.2% 10.8% 40,470
		Construction	358,202
		Contingency	15,000
TOTAL	\$444,202	TOTAL	\$444,202
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 4,906	<u>Avg. Bill</u> \$ 22.54 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Washington	\$ 444,202.00	
	Total	\$ 444,202.00	
Notes:			
Prior Approval:			
County Allocation Pool	Washington	\$ 320,000	March 17, 2022
County Allocation Pool	Reallocation	\$ 124,202	Pending Approval March 16, 2023
This grant is being allocated additional funds through the reallocation of a previously approved grant.			
Previous Grantee: Springfield Water and Sewer			
Previous Grant #21CWW213			
Previous WRIS #WX21229014			
Prior Approval Date: 03/17/2022			

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

Reviewer Julie Bickers  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWS091  
 WRIS Number SX21199012

GRANTEE BURNSIDE, CITY OF  
 PULASKI COUNTY

**BRIEF DESCRIPTION**

Provide sewer line extension to the new school property. Includes 4400 LF of new 4" pvc force main and 1 each 100 LF of 12" bore and case under the railroad spur on Hammock Lane.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS091	\$387,000	Administrative Expenses			\$10,000
		Legal Expenses			2,500
		Planning			2,500
		Eng - Design / Const	11.4%	10.5%	29,900
		Eng - Insp	9.0%	8.4%	24,000
		Eng - Other			7,500
		Construction			250,000
		Contingency			35,500
		Other			25,100
<b>TOTAL</b>	<b>\$387,000</b>	<b>TOTAL</b>			<b>\$387,000</b>

PROFESSIONAL SERVICES Engineer Haworth, Meyer & Boleyn, Inc.

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 384 Avg. Bill \$ 50.93 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Pulaski County	\$ 387,000.00	
	Total	\$ 387,000.00	

**Notes:**

Prior Approval:  
 County Allocation Pool Pulaski \$ 323,400 December 27, 2022  
 County Allocation Pool Reallocation \$ 63,600 Pending Approval March 16, 2023

This grant is being allocated additional funds through the reallocation of a previously approved grant.  
 Previous Grantee: City of Burnside  
 Previous Grant #22CWW190  
 Previous WRIS #WX21199149  
 Prior Approval Date: 12/27/2022



<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Don Schierer
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWS130
	WRIS Number	SX21151060

GRANTEE	RICHMOND, CITY OF MADISON COUNTY
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**BRIEF DESCRIPTION**

Approximately 6200 LF of 30-inch sewer pipe and 25 manholes. The installation of this gravity sewer will replace an existing 24-inch line and allow for conveyance of higher capacities.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS130	\$1,167,258	Administrative Expenses			\$20,000
Other Funding	1,620,742	Legal Expenses			100,000
		Land, Easements			20,000
		Planning			56,000
		Eng - Design / Const	7.6%	6.4%	134,000
		Eng - Insp	4.6%	4.3%	90,000
		Eng - Other			35,000
		Construction			1,893,000
		Contingency			190,000
		Other			250,000
<b>TOTAL</b>	<b>\$2,788,000</b>	<b>TOTAL</b>			<b>\$2,788,000</b>

PROFESSIONAL SERVICES	Engineer	Bell Engineering
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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	110,279	\$	47.05 (for 4,000 gallons)
	Additional	2		

**REGIONAL COORDINATION** This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Madison County	\$ 1,167,258.00
	<b>Total</b>	<b>\$ 1,167,258.00</b>

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWS131  
 WRIS Number SX21197004

GRANTEE CLAY CITY, CITY OF  
 POWELL COUNTY

**BRIEF DESCRIPTION**

This project will be phase 2 of an SSES program to include the tv inspection and smoke testing of approximately 17,000 LF of sewer line and a report of findings with rehabilitation recommendations for the phase 2 sewer rehabilitation project. The correction of sewer line deficiencies identified in the phase 2 SSES will be corrected on a basis of "worst first". Those sewer line and manhole defects that are most cost effective to repair or replace will be addressed first. The process will continue until the scope of work equals the funds available.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS131	\$237,086	Administrative Expenses			\$44,000
CDBG	880,000	Legal Expenses			10,000
CWP Grant 21CWS115	181,053	Land, Easements			20,000
HB 380 Non-Coal Grant	219,557	Planning			5,000
Other Funding	290,692	Eng - Design / Const	8.3%	6.7%	100,000
		Eng - Insp	5.1%	5.4%	80,000
		Eng - Other			60,000
		Construction			1,358,850
		Contingency			130,538
<b>TOTAL</b>	<b>\$1,808,388</b>	<b>TOTAL</b>			<b>\$1,808,388</b>

PROFESSIONAL SERVICES Engineer Nesbitt Engineering, Inc.

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 540 Avg. Bill \$ 51.20 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Powell County	\$ 237,086.00
	<b>Total</b>	<b>\$ 237,086.00</b>

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWS132  
 WRIS Number SX21197021

GRANTEE RED RIVER WASTEWATER AUTHORITY, INC.  
 POWELL COUNTY

**BRIEF DESCRIPTION**

This project will replace equipment within the treatment plant that have reached the end of their useful life. Replacements include but are not limited to: new bearings in motors new grinding unit installation of new drive motors on lower end test tag and paint.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS132	\$58,086	Construction			\$30,000
Other Funding	1,914	Contingency			30,000
<b>TOTAL</b>	<b>\$60,000</b>	<b>TOTAL</b>			<b>\$60,000</b>

PROFESSIONAL SERVICES Engineer NA

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 0 \$ Avg. Bill 29.80 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Powell County	\$ 58,086.00		
	Total	\$ 58,086.00		

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWS133  
 WRIS Number SX21197022

GRANTEE STANTON, CITY OF  
 POWELL COUNTY

**BRIEF DESCRIPTION**

Extend sanitary Sewer service along N. Bend Road

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS133	\$23,086	Construction			\$25,000
Other Funding	1,914	Legal Expenses			
<b>TOTAL</b>	<b>\$25,000</b>	<b>TOTAL</b>			<b>\$25,000</b>

PROFESSIONAL SERVICES Engineer Nesbitt Engineering, Inc.

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

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

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Powell County	\$ 23,086.00		
	Total	\$ 23,086.00		

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS134
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21013009
GRANTEE	MIDDLESBORO, CITY OF BELL COUNTY		
BRIEF DESCRIPTION			
The City of Middlesboro proposes to replace the bar screen at the Main Sewage Lift Station, which directly feeds the WWTP.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS134	\$119,048	Legal Expenses	\$2,500
ARC	450,000	Planning	4,000
CWP Grant 21CWS113	170,752	Eng - Design / Const	9.6% 6.0% 40,000
		Eng - Insp	6.5% 4.5% 30,000
		Construction	603,000
		Contingency	60,300
TOTAL	<u>\$739,800</u>	TOTAL	<u>\$739,800</u>
PROFESSIONAL SERVICES	Engineer	Vaughn & Melton Consulting Engineers, Inc	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 4,921	<u>Avg. Bill</u> \$ 12.92 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Bell County	\$ 119,048.00	
	Total	\$ 119,048.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS135
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21013015
GRANTEE	MIDDLESBORO, CITY OF BELL COUNTY		
<b>BRIEF DESCRIPTION</b> The City of Middlesboro's wastewater treatment plant was constructed in 1985 and is currently in need of significant upgrades and equipment replacement/repair. Due to affordability, the project will be split into numerous phases. Phase 2 of the needed upgrades will seek to continue repairs/replacements of the plant clarifiers and belt presses that were initiated in Phase 1. This project will replace the second of the two aging and dilapidated clarifier mechanisms as well as the complete re-build of the second of the two existing belt filter presses. These units were installed during the plant construction more than 30 years ago. There have been several reported failures and repairs over the last several years according to the plant manager/operators. With the facility operated at near full capacity and only two units in place, any downtime period associated with the clarifiers or the presses is detrimental to the plant performance. Plant effluent violations have resulted from recent failures.			
<b>PROJECT FINANCING</b>		<b>PROJECT BUDGET</b>	
CWP - Sewer Grant - 22CWS135	\$514,949	RD Fee %	Actual %
Other Funding	913,051	Legal Expenses	\$5,000
		Planning	5,000
		Eng - Design / Const	8.5% 7.0% 88,000
		Eng - Insp	5.3% 5.6% 70,000
		Construction	1,200,000
		Contingency	60,000
<b>TOTAL</b>	<b>\$1,428,000</b>	<b>TOTAL</b>	<b>\$1,428,000</b>
<b>PROFESSIONAL SERVICES</b>	Engineer	Vaughn & Melton Consulting Engineers, Inc	
<b>PROJECT SCHEDULE</b>	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
<b>RESIDENTIAL RATES</b>	Current	<u>Users</u> 4,921	<u>Avg. Bill</u> \$ 12.92 (for 4,000 gallons)
<b>REGIONAL COORDINATION</b>	This project is consistent with regional planning recommendations.		
<b>Allocation Source</b>	<b>Allocated County</b>	<b>Allocated Amount</b>	
County Allocation Pool	Bell County	\$ 514,949.00	
	Total	\$ 514,949.00	
<b>Notes:</b>			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS136
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21095015
GRANTEE	EVARTS, CITY OF HARLAN COUNTY		
BRIEF DESCRIPTION			
The project will consist of the renovation of the seven lift stations in the City's sewage collection system. Plus some minor repairs at the wastewater treatment plant.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS136	\$500,000	Administrative Expenses	\$15,000
Other Funding	188,500	Legal Expenses	15,000
		Planning	10,000
		Eng - Design / Const	10.0% 9.4% 51,500
		Eng - Insp	7.1% 6.7% 37,000
		Eng - Other	10,000
		Construction	500,000
		Contingency	50,000
TOTAL	\$688,500	TOTAL	\$688,500
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 445	<u>Avg. Bill</u> \$ 26.52 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Harlan County	\$ 500,000.00	
	Total	\$ 500,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Debbie Landrum
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS137
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21095018
GRANTEE	HARLAN COUNTY FISCAL COURT HARLAN COUNTY		
BRIEF DESCRIPTION			
THIS PROJECT IS A PHASE 4 SANITARY SEWER LINE EXTENSION INTO THE WATER SHED OF WALLINS CREEK. IT IS A CONTINUATION OF HARLAN COUNTY'S EXTENSION OF MUNICIPAL SEWER SERVICES TO THE WALLINS CREEK COMMUNITY. THE PROCESS OF EXTENDING SANITARY SEWER SERVICES TO THE RESIDENTS HAS BEEN AN ONGOING GOAL OF HARLAN COUNTY TO SERVE THESE NON-SERVED. THIS PHASE 4 WILL INCLUDE 5,000'(+/-) OF 8" PVC GRAVITY LINE, AND 30(+/-) STANDARD MANHOLES WITH APPURTENANCES INCLUDING 4" LATERAL LINES COLLECTING FROM RESIDENTS. THIS PROJECT IS INTENDED TO SERVE ANOTHER 200 HOMES NOT CURRENTLY RECEIVING MUNICIPAL SANITARY SEWER SERVICES. THE SANITARY SEWER COLLECTED WILL BE DELIVERED TO THE CITY OF HARLAN'S REGIONAL SEWER PLANT.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS137	\$44,841	Administrative Expenses	\$5,000
Other Funding	1,842,909	Legal Expenses	7,500
		Land, Easements	5,000
		Planning	10,000
		Eng - Design / Const	8.0% 7.5% 123,750
		Eng - Insp	4.9% 4.6% 76,500
		Eng - Other	10,000
		Construction	1,500,000
		Contingency	150,000
TOTAL	\$1,887,750	TOTAL	\$1,887,750
PROFESSIONAL SERVICES	Engineer	Leo Miller & Associates, Inc.	
PROJECT SCHEDULE	Bid Opening	April 1, 2023	
	Construction Start	June 1, 2023	
	Construction Stop	September 1, 2024	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	4,353	\$ 22.56 (for 4,000 gallons)
	Additional	77	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Harlan County	\$ 44,841.00	
	Total	\$ 44,841.00	
Notes:			



<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS138
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21095072
GRANTEE	CUMBERLAND, CITY OF HARLAN COUNTY		
BRIEF DESCRIPTION			
New sewer service to Fair Child Street and Gillem Drive area. Also to a small section of Old US 119. The project will eliminate 11 failing septic systems.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS138	\$185,000	Administrative Expenses	\$40,000
Other Funding	1,377,957	Planning	10,000
		Eng - Design / Const	8.5% 10.2% 128,945
		Eng - Insp	5.3% 6.3% 79,710
		Construction	1,269,302
		Other	35,000
TOTAL	\$1,562,957	TOTAL	\$1,562,957
PROFESSIONAL SERVICES	Engineer	Leo Miller & Associates, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	836	\$ 26.45 (for 4,000 gallons)
	Additional	48	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Harlan County	\$ 185,000.00	
	Total	\$ 185,000.00	
Notes:			

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWS139  
 WRIS Number: SX21125011

GRANTEE: LONDON UTILITY COMMISSION  
 LAUREL COUNTY

**BRIEF DESCRIPTION**

Phase II of this project will extend sewer services from the newly constructed pump station located at Rowland Acres Industrial Park to more than 100 surrounding residential customers along Hwy 192 including: Combs Circle, Mallard Drive, Parker Road, Drake Lane, and Woods Edge Circle.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Sewer Grant - 22CWS139	\$527,068	Eng - Design / Const		8.5%	6.5%	\$83,689
Other Funding	859,671	Eng - Other				10,000
		Construction				1,175,500
		Contingency				117,550
<b>TOTAL</b>	<b>\$1,386,739</b>	<b>TOTAL</b>				<b>\$1,386,739</b>

PROFESSIONAL SERVICES: Engineer - TBD

PROJECT SCHEDULE: Bid Opening - TBD  
 Construction Start - TBD  
 Construction Stop - TBD

RESIDENTIAL RATES	Users	Avg. Bill
Current	4,472	\$ 30.65 (for 4,000 gallons)
Additional	100	

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Laurel County	\$ 527,068.00
	<b>Total</b>	<b>\$ 527,068.00</b>

Notes:

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWS140  
 WRIS Number: SX21253111

GRANTEE: CORBIN CITY UTILITIES COMMISSION  
 LAUREL COUNTY

BRIEF DESCRIPTION  
 Sanitary sewer extension along Boone Avenue and Greendale Street in Laurel County, Kentucky

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS140	\$164,103	Construction			\$248,020
Other Funding	83,917				
<b>TOTAL</b>	<b>\$248,020</b>	<b>TOTAL</b>			<b>\$248,020</b>

PROFESSIONAL SERVICES: Engineer TBD

PROJECT SCHEDULE: Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES: Current Users 4,662 Avg. Bill \$ 21.72 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Laurel County	\$ 164,103.00		
	<b>Total</b>	<b>\$ 164,103.00</b>		

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS141
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21125113
GRANTEE	CORBIN CITY UTILITIES COMMISSION WHITLEY COUNTY		
BRIEF DESCRIPTION			
Sanitary sewer collection to serve Dantley Drive area in Whitley County, Kentucky which has failing septic system. Project involves 8" PVC gravity sewer, force mains and three (3) pump stations.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS141	\$477,071	Administrative Expenses	\$5,600
Other Funding	640,654	Eng - Design / Const	8.9% 13.6% 133,455
		Construction	889,700
		Contingency	88,970
TOTAL	<u>\$1,117,725</u>	TOTAL	<u>\$1,117,725</u>
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	4,662	\$ 21.72 (for 4,000 gallons)
	Additional	41	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Whitley County	\$ 477,071.00	
	Total	\$ 477,071.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS142
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21235007
GRANTEE	WILLIAMSBURG, CITY OF WHITLEY COUNTY		
BRIEF DESCRIPTION			
<p>This project consists of various improvements to the City's wastewater treatment plant and sewer collection system. At the wastewater treatment plant the improvements include the following; a new bar screen and control panel at the headworks structure, new sludge feed pumps, sludge conditioner, and controls at the sludge feed vault, a new polymer feed system and controls for the belt filter press, the conversion from UV disinfection to PA disinfection system, SCADA/Telemetry upgrades, and waterproofing the sludge feed vault. The improvements to the sewer collection system include the following; pump and valve replacement at the Old Rains PS, control panel replacement at the Hurricane Hollow PS, electrical improvements at the Watts Creek PS, replacement of the Crisp #2 &amp; #3 pump stations, manhole rehabilitation along the Cumberland River.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS142	\$477,069	Eng - Design / Const	8.8% 8.2% 83,000
Other Funding	693,931	Eng - Insp	5.6% 7.0% 71,000
		Eng - Other	5,000
		Construction	920,000
		Contingency	92,000
TOTAL	<u>\$1,171,000</u>	TOTAL	<u>\$1,171,000</u>
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,561	<u>Avg. Bill</u> \$ 22.56 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Whitley County	\$ 477,069.00	
	Total	\$ 477,069.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS143
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21025016
GRANTEE	JACKSON, CITY OF BREATHITT COUNTY		
BRIEF DESCRIPTION			
<p>This project will consist of smoke testing existing sewers, manholes, and laterals, cleaning and televising existing sewers, digging and replacing existing 8" sewer with 11,000 LF of 8" SDR35 PVC gravity sanitary sewer pipe. It also consist of 6,000 LF of 8" cured-in-place pipe lining &amp; post installation televising, 40 EA service reconnection after cure-in-place lining, 60 EA service reconnection and install new lateral cleanout, installing 43 EA 4" diameter concrete manholes, removing 43 EA existing manholes and lining 25 EA existing manholes.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS143	\$216,648	Administrative Expenses	\$50,000
Other Funding	2,483,352	Legal Expenses	5,000
		Land, Easements	10,000
		Planning	7,000
		Eng - Design / Const	7.5% 7.5% 175,000
		Eng - Insp	4.4% 4.4% 103,000
		Eng - Other	17,000
		Construction	2,125,370
		Contingency	207,630
TOTAL	\$2,700,000	TOTAL	\$2,700,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,119	<u>Avg. Bill</u> \$ 49.60 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Breathitt County	\$ 216,648.00	
	Total	\$ 216,648.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS144
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21085012
GRANTEE	LEITCHFIELD UTILITY COMMISSION GRAYSON COUNTY		
BRIEF DESCRIPTION			
The proposed project will extend wastewater service to a newly developed portion of the City of Leitchfield adjacent to the Bypass. The project will provide service to new residences through extension of approximately 1,500 LF of 8-inch gravity wastewater collection lines; 5,100 LF of 6-inch force main line; and upgrade / replacement of the lift station serving the area.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS144	\$503,921	Administrative Expenses	\$15,000
		Legal Expenses	5,000
		Land, Easements	5,000
		Planning	15,000
		Eng - Design / Const	10.7% 9.5% 37,675
		Eng - Insp	8.0% 7.3% 28,925
		Construction	363,321
		Contingency	34,000
TOTAL	\$503,921	TOTAL	\$503,921
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	January 1, 2024	
	Construction Start	March 1, 2024	
	Construction Stop	October 1, 2024	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	2,418	\$ 30.99 (for 4,000 gallons)
	Additional	100	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Grayson County	\$ 503,921.00	
	Total	\$ 503,921.00	
Notes:			

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

Reviewer Milward Dedman  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWS145  
 WRIS Number SX21085015

GRANTEE CANEYVILLE, CITY OF  
 GRAYSON COUNTY

**BRIEF DESCRIPTION**

The City of Caneyville proposes to upgrade the sludge return pump at their Wastewater Treatment Plant . Along with this work at the WWTP, the city will be replacing and standardizing several pumps in the liftstations throughout their system.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS145	\$23,612	Construction			\$23,612
<b>TOTAL</b>	<b>\$23,612</b>	<b>TOTAL</b>			<b>\$23,612</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 240 \$ Avg. Bill 22.83 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Grayson County	\$	23,612.00	
	Total	\$	23,612.00	

Notes:



<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS146
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21085016
GRANTEE	CLARKSON, CITY OF GRAYSON COUNTY		
BRIEF DESCRIPTION			
The City of Clarkson is in need of several repairs to the wastewater system. This project will include elimination of I/I from their collection system, manhole rehabilitation, and an aeration project at their lagoon.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee %    Actual %
CWP - Sewer Grant - 22CWS146	\$44,936	Administrative Expenses	\$1,500
		Construction	43,436
TOTAL	<u>\$44,936</u>	TOTAL	<u>\$44,936</u>
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening	May 1, 2023	
	Construction Start	June 1, 2023	
	Construction Stop	December 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 450	<u>Avg. Bill</u> \$ 46.98 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Grayson County	\$ 44,936.00	
	Total	\$ 44,936.00	
Notes:			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Milward Dedman March 16, 2023 22CWS147 SX21027022
GRANTEE	HARDINSBURG, CITY OF BRECKINRIDGE COUNTY		
BRIEF DESCRIPTION			
This project includes various improvements to the wastewater treatment plant including: rehab of the plant headworks (concrete and piping improvements, bar screen, wash water system and electrical/instrumentation upgrades) addition of acuator valves for the return and waste sludge pumps, new return/waste sludge pumps, a stand by generator, and bank stabilization at the influent pump station. Electrical improvements will be undertaken along with installation of a standby generator. The collection system improvements are the replacement of a section of a main sewage transmission main located between Mercer Trailer Park and the FFA Camp and which will correct inflow and infiltration of stormwater/groundwater into the sanitary sewer system.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS147	\$750,000	Administrative Expenses	\$10,000
Other Funding	2,480,000	Legal Expenses	5,000
		Land, Easements	5,000
		Planning	10,000
		Eng - Design / Const	7.3% 6.8% 190,000
		Eng - Insp	4.1% 4.8% 135,000
		Eng - Other	30,000
		Construction	2,550,000
		Contingency	255,000
		Other	40,000
TOTAL	<u>\$3,230,000</u>	TOTAL	<u>\$3,230,000</u>
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,117	<u>Avg. Bill</u> \$ 29.65 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Breckinridge County	\$ 750,000.00	
	Total	\$ 750,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS148
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21027027
GRANTEE	CLOVERPORT, CITY OF BRECKINRIDGE COUNTY		
BRIEF DESCRIPTION			
This project will extend 8 inch sewer line approximately 200 lf along KY 105/boat ramp, along with approximately 3500 lf of 4 inch sewage force main. A pump station will also be included.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS148	\$252,000	Eng - Design / Const	12.3% 11.5% \$22,650
		Eng - Insp	10.5% 10.0% 19,700
		Construction	180,500
		Contingency	16,500
		Other	12,650
TOTAL	\$252,000	TOTAL	\$252,000
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	536	\$ 19.20 (for 4,000 gallons)
	Additional	10	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Breckinridge County	\$ 252,000.00	
	Total	\$ 252,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS149
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21093024
GRANTEE	WEST POINT, CITY OF HARDIN COUNTY		
BRIEF DESCRIPTION			
<p>The City of West Point is proposing to continue I &amp; I and drainage improvements within its system (identified in previous studies - area "a" - areas c &amp; b were repaired with HB 380 &amp; HB 608 funding). The project will include point repair, manhole replacement, and drainage improvements to prevent runoff from entering the sanitary sewer in low lying areas. West Point's existing WWTP struggles to operate efficiently and within parameters due to high I &amp; I rates. The project is needed to prepare for either replacement of the existing WWTP or conveyance to another treatment facility. The City has already begun examination of these alternatives.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS149	\$77,087	Administrative Expenses	\$7,500.00
SRF Loan A15-063	250,000	Land, Easements	10,000
CDBG	245,000	Planning	5,000
		Eng - Design / Const	10.3% 6.1% 30,000
		Eng - Insp	7.4% 5.1% 25,000
		Construction	464,587
		Contingency	30,000
TOTAL	\$572,087	TOTAL	\$572,087
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 367	<u>Avg. Bill</u> \$ 31.50 (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	\$ 77,087.00	
	Total	\$ 77,087.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS150
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21093035
GRANTEE	ELIZABETHTOWN, CITY OF HARDIN COUNTY		
BRIEF DESCRIPTION			
The City of Elizabethtown is proposing to upgrade approx. 6,200 LF of 12-inch gravity sewer mains to 24-inch size lines from US 62/Leitchfield Road along S. Ring Road to Valley Creek. The existing 12-inch mains are at or near capacity due to new residential and commercial development in the area. Additional development in the area is overtaxing the present facilities and may lead to overflows in the future, without improvements. The additional improvements are being reviewed and developed as Phase II, to accommodate new flows in the area.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS150	\$1,250,550	Administrative Expenses	\$1,000.00
CWP - Sewer Grant - 21CWS043	756,400	Legal Expenses	5,000
Other Funding	471,550	Land, Easements	10,000
		Planning	120,000
		Eng - Design / Const	7.5% 3.8% 85,500
		Construction	2,052,000
		Contingency	205,000
TOTAL	<u>\$2,478,500</u>	TOTAL	<u>\$2,478,500</u>
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 12,358	<u>Avg. Bill</u> \$ 18.80 (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	\$ 1,250,550.00	
	Total	\$ 1,250,550.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS151
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21093036
GRANTEE	VINE GROVE, CITY OF HARDIN COUNTY		
BRIEF DESCRIPTION			
<p>The City of Vine Grove is proposing upgrades to its existing wastewater treatment plant (WWTP). The WWTP is unable to efficiently treat flow from a growing residential population. The proposed improvements will include: 1) installation of a second Oxidation Ditch (currently there is only one oxidation ditch at the WWTP, this second ditch allows for redundancy and better treatment), 2) installation of a new UV system for disinfection (replaced the existing chlorine gas system), 3) installation of a generator for back up power (the facility currently does not have a back up power source), and 4) upgrades to the existing Motor Control Center (the existing MCC is outdated and parts are no longer available for repairs).</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS151	\$500,462	Administrative Expenses	\$1,000
CWP - Sewer Grant - 21CWS044	117,900	Eng - Design / Const	7.2% 8.2% 250,000
Other Funding	2,936,638	Eng - Insp	4.0% 2.3% 70,000
		Construction	2,889,000
		Equipment	200,000
		Contingency	145,000
TOTAL	\$3,555,000	TOTAL	\$3,555,000
PROFESSIONAL SERVICES	Engineer	Heritage Engineering, LLC	
PROJECT SCHEDULE	Bid Opening	May 1, 2023	
	Construction Start	July 1, 2023	
	Construction Stop	December 15, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 2,406	<u>Avg. Bill</u> \$ 22.76 (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	\$ 500,462.00	
	Total	\$ 500,462.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Don Schierer
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS152
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21175010
GRANTEE	WEST LIBERTY, CITY OF MORGAN COUNTY		
BRIEF DESCRIPTION			
<p>The City of West Liberty proposes to CCTV the entire gravity sewer system and to repair the most dilapidated lines and manholes to reduce inflow and infiltration. Approximately 5900 Linear Feet of sewer line will be replaced. The I&amp;I Study will include manhole inspection, TV line inspection, smoke testing, etc. The 5900 LF includes: 1500 LF of gravity sewer will be lined with cured-in-place-pipe, 20 manholes will be replaced 10 manholes will be lined. Approximately 2000 LF of 8 inch clay tile line from Branch Street to Henry Street, which was installed during the 1960s, is a suspected source of a large portion of the I&amp;I issues experienced in the cities sewer system. Branch Street Manhole is also the only location of a bypass during heavy rain. Branch Street is the only known bypass in the West Liberty System. Other problem areas include: Riverside Drive, Peddler Street, Bellamy Court, Trimble Street, Court Street, Glenn Avenue, and Broadway</p>			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Sewer Grant - 22CWS152	\$833,781	RD Fee %	Actual %
CWP Grant 21CWS084	55,941	Administrative Expenses	\$50,000
Other Funding	960,278	Legal Expenses	8,000
		Planning	5,000
		Eng - Design / Const	8.2% 7.3% 110,000
		Eng - Insp	5.1% 7.6% 115,500
		Eng - Other	25,000
		Construction	1,385,363
		Contingency	131,137
		Other	20,000
TOTAL	\$1,850,000	TOTAL	\$1,850,000
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 647	<u>Avg. Bill</u> \$ 41.00 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Morgan County	\$ 833,781.00	
	Total	\$ 833,781.00	
Notes:			

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

Reviewer: Milward Dedman  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWS153  
 WRIS Number: SX21163009

GRANTEE: BRANDENBURG, CITY OF  
 MEADE COUNTY

**BRIEF DESCRIPTION**

City will purchase SCADA for new WWTP and Telemetry for priority Lift Stations.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 22CWS153	\$148,810	Equipment			\$274,000
Local Funds	125,190				
<b>TOTAL</b>	<b>\$274,000</b>	<b>TOTAL</b>			<b>\$274,000</b>

PROFESSIONAL SERVICES: Engineer - TBD

PROJECT SCHEDULE: Bid Opening - TBD  
 Construction Start - TBD  
 Construction Stop - TBD

RESIDENTIAL RATES: Current Users 1,387 Avg. Bill \$ 22.82 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Meade County	\$ 148,810.00		
	Total	\$ 148,810.00		

Notes:



<b>EXECUTIVE SUMMARY</b>		Reviewer	Debbie Landrum
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWS154
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	SX21157042
GRANTEE	BENTON, CITY OF MARSHALL COUNTY		
BRIEF DESCRIPTION			
<p>The City of Benton is currently under an EPA Agreed Order for violations related to sanitary sewer system overflows and pollutant removal at their wastewater treatment plant due to excessive levels of infiltration and inflow within their collection system. While the City is focusing efforts on removing I/I from their collection system, additional system improvements are necessary for proper containment and conveyance of the wastewater to the City's WWTP. This project includes the rehabilitation of 3 existing, aged lift stations (Riley, Jail, Cherry Circle) and electrical control improvements at 5 sites, which are deteriorated and in need of significant rehab efforts. The project will rehab the existing stations with epoxy lining of the wet wells, new valve vaults, new slide rail and piping systems, and pump controls.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 22CWS154	\$480,779	Administrative Expenses	\$25,000
CWP Grant 21CWS076	571,090	Eng - Design / Const	9.0% 6.7% 60,000
Other Funding	3,231	Eng - Insp	5.8% 6.2% 55,000
		Eng - Other	25,000
		Construction	774,000
		Contingency	116,100
TOTAL	\$1,055,100	TOTAL	\$1,055,100
PROFESSIONAL SERVICES	Engineer	Rivercrest Engineering Incorporated	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	Users	Avg. Bill
		2,994	\$ 18.50 (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	\$ 480,779.00	
	Total	\$ 480,779.00	
Notes:			
<p>This grant is a reallocation from a previously approved grant.  Previous Grantee: City of Benton  Previous Grant #22CWW263  Previous WRIS# WX21157051  Prior Approval Date: 11/22/2022</p>			

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

Reviewer Julie Bickers  
CPBOC Date March 16, 2023  
KIA Grant Number 22CWW185  
WRIS Number WX21199048

GRANTEE BURNSIDE, CITY OF  
PULASKI COUNTY

**BRIEF DESCRIPTION**

This project will bring the Burnside distribution system back into compliance with the 24 hours of storage as required by the DOW. By adding a second tank to the distribution system, this project will also provide the City with the option of taking one of the tanks out of service for inspection, maintenance or emergency without losing all of the system storage capacity. The project will also consist of regrading the existing 300 feet of access road to the tank.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW185	\$395,094	Administrative Expenses			\$12,000
CWP Grant 21CWW187	611,000	Legal Expenses			10,000
Other Funding	187,906	Land, Easements			15,000
		Planning			5,000
		Eng - Design / Const	8.9%	7.6%	73,200
		Eng - Insp	5.7%	5.4%	52,300
		Eng - Other			8,100
		Construction			946,000
		Contingency			21,400
		Other			51,000
<b>TOTAL</b>	<b>\$1,194,000</b>	<b>TOTAL</b>			<b>\$1,194,000</b>

PROFESSIONAL SERVICES Engineer Haworth, Meyer & Boleyn, Inc.

PROJECT SCHEDULE  
Bid Opening TBD  
Construction Start TBD  
Construction Stop TBD

RESIDENTIAL RATES  
Current Users 667 Avg. Bill \$ 55.69 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Pulaski County	\$ 395,094.00
	Total	\$ 395,094.00

**Notes:**

Prior Approval:  
County Allocation Pool Pulaski \$ 268,394 December 27, 2022  
County Allocation Pool Reallocation \$ 126,700 Pending Approval March 16, 2023

This grant is being allocated additional funds through the reallocation of a previously approved grant.  
Previous Grantee: City of Burnside  
Previous Grant #22CWW190  
Previous WRIS #WX21199149  
Prior Approval Date: 12/27/2022

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW279  
 WRIS Number WX21197020

GRANTEE STANTON, CITY OF  
 POWELL COUNTY

**BRIEF DESCRIPTION**

This project includes the replacement of the paint creek tank and pump station. This will create a higher pressure zone within the service area. Higher elevations currently have lower pressure and this project will help correct that. The pump station will be more energy efficient and will use VFD's for pump control.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW279	\$198,086	Administrative Expenses			\$50,000
Line Item Grant 22KFW007	1,000,000	Legal Expenses			5,000
CWP Grant 21CWW249	122,452	Land, Easements			5,000
Other Funding	646,914	Planning			10,000
		Eng - Design / Const	8.1%	8.2%	134,000
		Eng - Insp	5.0%	5.0%	82,000
		Eng - Other			37,500
		Construction			1,493,400
		Contingency			150,552
<b>TOTAL</b>	<b>\$1,967,452</b>	<b>TOTAL</b>			<b>\$1,967,452</b>

PROFESSIONAL SERVICES Engineer Nesbitt Engineering, Inc.

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES Current Users 308 \$ Avg. Bill 29.02 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Powell County	\$ 198,086.00
	Total	\$ 198,086.00

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW280  
 WRIS Number WX21197024

GRANTEE POWELL'S VALLEY WATER DISTRICT  
 POWELL COUNTY

**BRIEF DESCRIPTION**

This project will install leak detection meters on existing mains at strategic locations to isolate the areas with major water loss.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW280	\$148,086	Administrative Expenses			\$2,000
Other Funding	1,914	Eng - Design / Const	13.6%	10.7%	12,930
		Eng - Insp	12.4%	11.6%	14,020
		Construction			110,045
		Contingency			11,005
<b>TOTAL</b>	<b>\$150,000</b>	<b>TOTAL</b>			<b>\$150,000</b>

PROFESSIONAL SERVICES Engineer MSE of Kentucky, Inc.

PROJECT SCHEDULE  
 Bid Opening April 30, 2023  
 Construction Start May 5, 2023  
 Construction Stop August 13, 2023

RESIDENTIAL RATES  
 Current Users 2,408 Avg. Bill \$ 43.34 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Powell County	\$ 148,086.00
	<b>Total</b>	<b>\$ 148,086.00</b>

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW281  
 WRIS Number WX21197025

GRANTEE BEECH FORK WATER COMMISSION  
 POWELL COUNTY

**BRIEF DESCRIPTION**

Development of a Preliminary Engineering Report for the construction of a new 3.0 MGD plant in Powell County. Filter media at the existing plant will be replaced

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW281	\$133,087	Planning			\$75,000
Other Funding	1,913	Construction			60,000
<b>TOTAL</b>	<b>\$135,000</b>	<b>TOTAL</b>			<b>\$135,000</b>

PROFESSIONAL SERVICES Engineer Nesbitt Engineering, Inc.

PROJECT SCHEDULE  
 Bid Opening August 1, 2023  
 Construction Start September 1, 2023  
 Construction Stop May 1, 2024

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

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Powell County	\$ 133,087.00		
	<b>Total</b>	<b>\$ 133,087.00</b>		

Notes:

<b>EXECUTIVE SUMMARY</b>			Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>			CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>			KIA Grant Number	22CWW283
<b>CLEANER WATER PROGRAM GRANT</b>			WRIS Number	WX21239036
GRANTEE	MIDWAY, CITY OF WOODFORD COUNTY			
BRIEF DESCRIPTION				
Midway Industrial Park Tank to be maintained. The existing coating system will be removed with abrasives and then refinished using an Epoxy / Urethane solution. The float level indicator shall be repaired as well.				
PROJECT FINANCING		PROJECT BUDGET		
CWP - Water Grant - 22CWW283	\$100,000	RD Fee %	Actual %	
CWP Grant 21CWW219	60,459	Administrative Expenses		\$9,450
Other Funding	381,791	Planning		4,725
		Eng - Design / Const	10.3%	6.7%
		Construction		450,000
		Contingency		45,000
TOTAL	\$542,250	TOTAL		\$542,250
PROFESSIONAL SERVICES	Engineer	Haworth, Meyer & Boleyn, Inc.		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		740	\$ 45.54	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Woodford County	\$ 100,000.00		
	Total	\$ 100,000.00		
Notes:				

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Julie Bickers
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWW284
	WRIS Number	WX21239038

GRANTEE	SOUTH WOODFORD WATER DISTRICT WOODFORD COUNTY
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**BRIEF DESCRIPTION**

THIS PROFILE HAS ABSORBED EXISTING PROFILE WX21239022: The proposed project will install approximately 1510 radio read meters within the district's existing distribution system. The project will save operation and maintenance costs by reducing the time it takes to read meters and greatly enhance accuracy. The SWWD is in dire need of repairs/rehabilitation of several components within the water system in order to maintain adequate service to its customers. These include the following: \* Rehabilitation of the KY 33 Tank \* Replacement of the KY 33 Pump Station \* Repairs to the Mortonville altitude valve \* Mortonville Tank Cleaning \* Mortonville Tank Repaint (Inside) \* Leak Detection Meters

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW284	\$432,270	Administrative Expenses			\$25,000
CWP Grant 21CWW222	225,458	Legal Expenses			10,000
KIA B22-002	2,230,000	Land, Easements			5,000
		Planning			10,000
		Eng - Design / Const	7.7%	6.2%	160,000
		Eng - Insp	4.7%	3.5%	90,000
		Construction			2,557,728
		Contingency			30,000
<b>TOTAL</b>	<b>\$2,887,728</b>	<b>TOTAL</b>			<b>\$2,887,728</b>

PROFESSIONAL SERVICES	Engineer	Haworth, Meyer & Boleyn, Inc.
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PROJECT SCHEDULE	Bid Opening	TBD
	Construction Start	TBD
	Construction Stop	TBD

RESIDENTIAL RATES	Current	<u>Users</u> 1,700	\$	<u>Avg. Bill</u> 30.46 (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	Woodford County	\$ 432,270.00
	Total	\$ 432,270.00

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW285
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21239042
GRANTEE	NORTHEAST WOODFORD COUNTY WATER DISTRICT WOODFORD COUNTY		
BRIEF DESCRIPTION			
Cleaning and repainting of the elevated water storage tank located on Dogwood Court in Versailles, ky.			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Water Grant - 22CWW285	\$100,000	RD Fee %	Actual %
Other Funding	200,000	Administrative Expenses	\$1,500
		Legal Expenses	500
		Eng - Design / Const	11.6% 11.0% 29,250
		Eng - Insp	9.3% 1.1% 3,000
		Construction	250,000
		Contingency	15,750
TOTAL	\$300,000	TOTAL	\$300,000
PROFESSIONAL SERVICES	Engineer	Warner A. Broughman	
PROJECT SCHEDULE	Bid Opening	August 1, 2023	
	Construction Start	September 1, 2023	
	Construction Stop	December 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>
		0	\$ - (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Woodford County	\$ 100,000.00	
	Total	\$ 100,000.00	
Notes:			



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

Reviewer Milward Dedman  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW286  
 WRIS Number WX21013005

GRANTEE PINEVILLE, CITY OF  
 BELL COUNTY

**BRIEF DESCRIPTION**

Project includes the addition of an emergency generator for auxiliary power at the Pineville Water Treatment Plant and the Ball Field Flood Pump Station. Additionally a 6" diesel pump will be purchased for general emergency use at other pump stations.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW286	\$530,443	Equipment			\$530,443
<b>TOTAL</b>	<b>\$530,443</b>	<b>TOTAL</b>			<b>\$530,443</b>

PROFESSIONAL SERVICES Engineer NA

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES Current Users 5,178 \$ Avg. Bill 37.03 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Bell County	\$ 530,443.00		
	Total	\$ 530,443.00		

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW287
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21013007
GRANTEE	PINEVILLE UTILITY COMMISSION BELL COUNTY		
BRIEF DESCRIPTION			
Extension of Pineville Utility Commission's distribution to serve the Rocky Face area of rural Bell Co. Project includes 6,000 LF of 4" and 2" waterline and associated appurtenances.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW287	\$299,325	Eng - Design / Const	11.5% 6.0% \$16,000
		Eng - Insp	9.3% 5.6% 15,000
		Construction	245,150
		Contingency	23,175
TOTAL	\$299,325	TOTAL	\$299,325
PROFESSIONAL SERVICES	Engineer	Vaughn & Melton Consulting Engineers, Inc	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	5,178	\$ 37.03 (for 4,000 gallons)
	Additional	25	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Bell County	\$ 299,325.00	
	Total	\$ 299,325.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW288
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21051005
GRANTEE	MANCHESTER, CITY OF CLAY COUNTY		
BRIEF DESCRIPTION			
This project includes construction of a new 1,000,000 gallon ground storage tank at Pennington Hill and refurbish the Lucas Hollow and Big Creek Water Storage Tank. The existing water tanks to be refurbished are beginning to experience paint loss on both the interior and exterior surfaces.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW288	\$617,925	Administrative Expenses	\$15,000
Other Funding	2,475,575	Legal Expenses	10,000
		Land, Easements	10,000
		Planning	15,000
		Eng - Design / Const	7.3% 6.8% 186,000
		Eng - Insp	4.2% 3.9% 107,500
		Construction	2,500,000
		Contingency	250,000
TOTAL	\$3,093,500	TOTAL	\$3,093,500
PROFESSIONAL SERVICES	Engineer	Rhody Engineering, LLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	4,269	\$ 11.40 (for 4,000 gallons)
	Additional	815	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Clay County	\$ 617,925.00	
	Total	\$ 617,925.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW289
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21051020
GRANTEE	NORTH MANCHESTER WATER ASSOCIATION INC CLAY COUNTY		
BRIEF DESCRIPTION			
Replace 2.5 miles of water line along Fox Hollow Road and Charlie Sizemore Road, Project will include Rehab of SR 638 Pump Station. Work will be done to Foggetown Interconnect with East Laurel and replacement of Fox Hollow Tank Solenoid Control Valve.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW289	\$408,258	Administrative Expenses	\$22,000
CWP Grant 21CWW255	365,443	Legal Expenses	5,000
		Eng - Design / Const	9.6% 8.7% 55,100
		Eng - Insp	6.7% 6.2% 39,100
		Eng - Other	20,000
		Construction	575,001
		Contingency	57,500
TOTAL	\$773,701	TOTAL	\$773,701
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,915	<u>Avg. Bill</u> \$ 34.03 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Clay County	\$ 408,258.00	
	Total	\$ 408,258.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW290
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21051202
GRANTEE	NORTH MANCHESTER WATER ASSOCIATION INC CLAY COUNTY		
BRIEF DESCRIPTION			
North Manchester Water Association is proposing a project that will provide potable drinking water to unserved and underserved customers in the following areas: Robinson Creek Road (KY 3475), Elbert Reid Road, Holland Branch Road, East Rawlings Road, and Charlie Rawlings Lane. This project will consist of replacing existing 3/4 inch service lines with 15,850 lf of new 3 inch water lines, extending 3-inch and 4-inch water lines, and a new booster pumping station located on East Rawlings Road.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW290	\$209,668	Administrative Expenses	\$20,000
Other Funding	680,332	Legal Expenses	9,500
		Land, Easements	7,600
		Planning	2,500
		Eng - Design / Const	9.4% 8.7% 62,500
		Eng - Insp	6.3% 6.0% 42,900
		Construction	650,000
		Contingency	65,000
		Other	30,000
TOTAL	\$890,000	TOTAL	\$890,000
PROFESSIONAL SERVICES	Engineer	Rhody Engineering, LLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	1,915	\$ 34.03 (for 4,000 gallons)
	Additional	5	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Clay County	\$ 209,668.00	
	Total	\$ 209,668.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW291
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21095004
GRANTEE	CAWOOD WATER DISTRICT HARLAN COUNTY		
BRIEF DESCRIPTION			
The project will replace the existing eight inch PVC waterline along US 421 from Grays Knob to Chevrolet (approximately 2.0 miles) and along KY 3001 from Chevrolet to Lenarue (approximately 0.6 mile) with eight inch Ductile Iron waterline.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW291	\$225,000	Administrative Expenses	\$20,000
CWP - Water Grant - 21CWW236	135,244	Legal Expenses	15,000
Other Funding	711,211	Eng - Design / Const	9.1% 8.4% 72,100
		Eng - Insp	5.9% 5.5% 47,400
		Eng - Other	40,000
		Construction	779,050
		Contingency	77,905
		Other	20,000
TOTAL	<u>\$1,071,455</u>	TOTAL	<u>\$1,071,455</u>
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 1,681	<u>Avg. Bill</u> \$ 49.45 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Harlan County	\$ 225,000.00	
	Total	\$ 225,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Carmen Ignat March 16, 2023 22CWW292 WX21095011
GRANTEE	BLACK MOUNTAIN UTILITY DISTRICT HARLAN COUNTY		
BRIEF DESCRIPTION The Black Mountain Utility District proposes to replace approximately 11,400 L.F. of old leakage prone water lines. The water lines including multiple long service lines will be replaced along the following roads: Daniels Mt., Longton, Hill Street, Howard Street, Church Street, Ridge Street, Fredrick Street, Tom Street, Walter Street, 1st Street, 2nd Street, S. Wallins Avenue, Haley Avenue, Brooks Street and Mexico Lane. SCADA/radio telemetry will be added to the booster pump stations, solenoid valves and storage tanks in the old Green Hills Distribution system. This will allow for a more efficient operation and management of the system. Also included is the replacement of thin wall copper service tubing installed in the Putney/US 119/KY 522 Extension project that is now deteriorating and leaking badly.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW292	\$175,000	Administrative Expenses	\$20,000
CWP - Water Grant - 21CWW235	820,000	Legal Expenses	15,000
		Land, Easements	10,000
		Planning	10,000
		Eng - Design / Const	9.1% 5.5% 45,850
		Eng - Insp	5.9% 5.3% 44,800
		Eng - Other	10,270
		Construction	769,080
		Contingency	70,000
TOTAL	\$995,000	TOTAL	\$995,000
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 649	<u>Avg. Bill</u> \$ 46.27 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Harlan County	\$ 175,000.00	
	Total	\$ 175,000.00	
Notes:			

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW293  
 WRIS Number: WX21095013

GRANTEE: HARLAN, CITY OF  
 HARLAN COUNTY

**BRIEF DESCRIPTION**

The proposed project involves upgrades to the existing raw water intake and water treatment plant. Work at the raw water intake will include but not be limited to the following items: replacement of raw water pump control valves, replacement of surge relief components, installation of additional of additional air compressor and air storage tank, replacement of air blow-off lines, replacement of permanganate feed system, and replacement of SCADA and electrical controls. Work at the water treatment plant will include but not be limited to the following items: chemical feed system improvements, modifications to sludge handling and sludge storage facilities, installation of additional baffling in the clear wells, replacement of launders in the settling basins, replacement of backwash and surface wash valve actuators in the filter basin, replacement of flocculation basin paddles and drives, new filter basin controls, new influent and effluent controls, new bulk and day storage tanks, new SCADA and electrical controls, replacement of high service pumps, and miscellaneous site work.

PROJECT FINANCING		PROJECT BUDGET		
		RD Fee %	Actual %	
CWP - Water Grant - 22CWW293	\$500,000			Administrative Expenses \$50,000
SRF F21-021	2,549,645			Legal Expenses 10,000
				Eng - Design / Const 156,000
		7.6%	5.9%	Eng - Insp 122,000
		4.5%	4.6%	Eng - Other 50,000
				Construction 2,471,645
				Contingency 190,000
<b>TOTAL</b>	<b>\$3,049,645</b>			<b>TOTAL \$3,049,645</b>

PROFESSIONAL SERVICES: Engineer - Bell Engineering

PROJECT SCHEDULE: Bid Opening - TBD  
 Construction Start - TBD  
 Construction Stop - TBD

RESIDENTIAL RATES: Current Users 2,006, Avg. Bill \$ 23.65 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Harlan County	\$ 500,000.00
	Total	\$ 500,000.00

Notes:



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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW294  
 WRIS Number: WX21109010

GRANTEE: JACKSON COUNTY WATER ASSOCIATION INC  
 JACKSON COUNTY

**BRIEF DESCRIPTION**

The proposed project will involve the construction of a new 16" ductile iron and high density polyethylene siphon line. The line will terminate with a static drum screen within the lake and connect to existing raw water inlet piping on the downstream side of the existing Tyner Lake dam. The line will be constructed adjacent to the existing principal spillway for the purpose of withdrawing raw water for treatment and distribution by Jackson County Water Association. The project also includes replacing the existing Dissolved Air Flotation (DAF) treatment system control panel, and repainting the existing pipe gallery and high service pumping station.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Water Grant - 22CWW294	\$400,000	Legal Expenses				\$5,000
CWP Grant 21CWW308	330,000	Eng - Design / Const	8.3%	6.1%		86,700
Other Funding	925,000	Eng - Insp	5.2%	5.2%		74,800
		Eng - Other				43,000
		Construction				1,330,000
		Contingency				97,500
		Other				18,000
<b>TOTAL</b>	<b>\$1,655,000</b>	<b>TOTAL</b>				<b>\$1,655,000</b>

PROFESSIONAL SERVICES: Engineer - Kenvirons, Inc.

PROJECT SCHEDULE: Bid Opening - TBD  
 Construction Start - TBD  
 Construction Stop - TBD

RESIDENTIAL RATES: Current Users 4,832 Avg. Bill \$ 46.50 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Jackson County	\$ 400,000.00
	Total	\$ 400,000.00

Notes:

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW295  
 WRIS Number: WX21109013

GRANTEE: MCKEE, CITY OF JACKSON COUNTY

**BRIEF DESCRIPTION**

Project will replace approximately 400 customer water meters with new mag meters with radio read capabilities. Project will also include necessary billing software upgrades, radio read equipment (laptop, antenna for meter reading) and necessary appurtenances for a complete installation of a new radio read system.

PROJECT FINANCING		PROJECT BUDGET		
		RD Fee %	Actual %	
CWP - Water Grant - 22CWW295	\$386,947			Administrative Expenses \$1,500
		10.8%	1.3%	Eng - Design / Const 5,000
				Construction 380,447
<b>TOTAL</b>	<b>\$386,947</b>			<b>TOTAL \$386,947</b>

PROFESSIONAL SERVICES: Engineer - Bluegrass Engineering, PLLC

PROJECT SCHEDULE: Bid Opening May 1, 2023  
 Construction Start July 1, 2023  
 Construction Stop September 1, 2023

RESIDENTIAL RATES: Current Users 355 Avg. Bill \$ 30.00 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Jackson County	\$ 386,947.00
Total		\$ 386,947.00

Notes:

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Debbie Landrum
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWW296
	WRIS Number	WX21121011

GRANTEE	BARBOURVILLE UTILITY COMMISSION KNOX COUNTY
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**BRIEF DESCRIPTION**  
 Barbourville Utilities (BU) currently owns and operates 10 water storage tanks in their water distribution system. Many of the tanks were constructed in the 1960's and 1970's and are in dire need of rehabilitation. However, as was customary during that time, a number of the tanks were coated with a lead-based paint. Due to the presence of lead, heavy restrictions are in place that govern the removal of such coatings due to their toxicity and subsequent health effects. Subsequently, these restrictions often times make it more economical to abandon and replace the structure. Thus is the case of the 250,000 gallon RECC tank. As a result, Barbourville Utilities proposes to replace the tank. The estimated cost of the project is \$536,500.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Water Grant - 22CWW296	\$536,500	Eng - Design / Const		10.5%	9.2%	\$42,000
		Eng - Insp		7.7%	7.0%	32,000
		Eng - Other				7,500
		Construction				395,000
		Contingency				60,000
<b>TOTAL</b>	<b>\$536,500</b>	<b>TOTAL</b>				<b>\$536,500</b>

PROFESSIONAL SERVICES	Engineer	Vaughn & Melton Consulting Engineers, Inc
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PROJECT SCHEDULE	Bid Opening	TBD
	Construction Start	TBD
	Construction Stop	TBD

RESIDENTIAL RATES	Current	<u>Users</u> 6,475	\$	<u>Avg. Bill</u> 20.96 (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	Knox County	\$	536,500.00	
		Total	\$	536,500.00

Notes:

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW297  
 WRIS Number: WX21121016

GRANTEE: CORBIN CITY UTILITIES COMMISSION  
 KNOX COUNTY

BRIEF DESCRIPTION  
 Removal of existing interior and exterior tank coatings, tank repairs, re-painting and miscellaneous improvements.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Water Grant - 22CWW297	\$415,000	Eng - Design / Const		10.9%	6.6%	\$24,000
		Eng - Insp		8.3%	7.7%	28,000
		Construction				330,000
		Contingency				33,000
<b>TOTAL</b>	<b>\$415,000</b>	<b>TOTAL</b>				<b>\$415,000</b>

PROFESSIONAL SERVICES: Engineer - Vaughn & Melton Consulting Engineers, Inc

PROJECT SCHEDULE  
 Bid Opening: April 1, 2023  
 Construction Start: July 1, 2023  
 Construction Stop: October 1, 2023

RESIDENTIAL RATES  
 Current: Users 0 \$ Avg. Bill - (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Knox County	\$ 415,000.00		
	Total	\$ 415,000.00		

Notes:

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW298  
 WRIS Number: WX21121532

GRANTEE: KNOX COUNTY FISCAL COURT  
 KNOX COUNTY

**BRIEF DESCRIPTION**

Approximately 10 miles of 4" line extensions and a half mile of 3" in various areas of Knox County. The following areas of Knox County will be serviced by this project - a small portion of the Upper Stinking Creek area, Sandy Branch, Flat Lick, Jeff's Creek, Pigeon Roost area, and Doe Gap Branch serving 40 new residences. Also, a tank and pump station will be added in the Flat Lick area. In addition, telemetry and meter replacement, equipment and materials for water treatment plant for system efficiency.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW298	\$882,564	Administrative Expenses			\$40,000
HB 608 Coal Grant	950,000	Legal Expenses			25,000
HB 265 Coal Grant	96,138	Land, Easements			15,000
ARC	100,000	Eng - Design / Const	7.5%	6.9%	167,100
LGEDF	55,423	Eng - Insp	4.3%	4.1%	99,000
HB 303 Reallocation	5,761	Construction			2,210,330
Other	687,614	Contingency			221,070
<b>TOTAL</b>	<b>\$2,777,500</b>	<b>TOTAL</b>			<b>\$2,777,500</b>

PROFESSIONAL SERVICES: Engineer - Kenvirons, Inc.

PROJECT SCHEDULE: Bid Opening - TBD  
 Construction Start - TBD  
 Construction Stop - TBD

RESIDENTIAL RATES: Current - 2,814 Users, \$46.03 (for 4,000 gallons)  
 Additional - 62 Users

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Knox County	\$ 882,564.00
	<b>Total</b>	<b>\$ 882,564.00</b>

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Don Schierer
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW299
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21125034
GRANTEE	WOOD CREEK WATER DISTRICT LAUREL COUNTY		
BRIEF DESCRIPTION			
Relocate 500 linear feet of 20" DR-18 C900 waterline on Grimes Road, Purchase 2 acres (4 tracts) of land adjoining our water source and water treatment plant, & install 5,400 linear feet of 8" SDR-17 PVC waterline and fire hydrants on Hawk Creek Road.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW299	\$738,968	Legal Expenses	\$10,000
CWP Grant 21CWW227	428,452	Eng - Design / Const	8.9% 7.0% 72,200
		Eng - Insp	5.6% 4.6% 47,500
		Construction	957,420
		Contingency	80,300
TOTAL	\$1,167,420	TOTAL	\$1,167,420
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	April 1, 2023	
	Construction Start	June 1, 2023	
	Construction Stop	October 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 5,505	<u>Avg. Bill</u> \$ 39.21 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Laurel County	\$ 738,968.00	
	Total	\$ 738,968.00	
Notes:			

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW300  
 WRIS Number: WX21125036

GRANTEE: LAUREL COUNTY WATER DISTRICT #2  
 LAUREL COUNTY

**BRIEF DESCRIPTION**

The proposed improvements consist of the installation of approximately 7,200 L.F. of 8-inch water line and appurtenances to replace existing aging and undersized 4-inch Asbestos Cement (AC) water lines adjacent to Fariston Road in south-central Laurel County. In addition to the main line replacements, aging service lines and meter settings will also be replaced through this project.

PROJECT FINANCING		PROJECT BUDGET			
			RD Fee %	Actual %	
CWP - Water Grant - 22CWW300	\$786,585	Administrative Expenses			\$2,500
Other Funding	773,415	Legal Expenses			2,500
		Land, Easements			6,000
		Eng - Design / Const	8.4%	7.8%	107,000
		Eng - Insp	5.2%	4.9%	67,000
		Construction			1,250,000
		Contingency			125,000
<b>TOTAL</b>	<b>\$1,560,000</b>	<b>TOTAL</b>			<b>\$1,560,000</b>

PROFESSIONAL SERVICES: Engineer - Monarch Engineering, Incorporated

PROJECT SCHEDULE:  
 Bid Opening: January 1, 2024  
 Construction Start: January 4, 2024  
 Construction Stop: January 10, 2024

RESIDENTIAL RATES:  
 Current Users: 6,236  
 Avg. Bill: \$ 32.58 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Laurel County	\$ 786,585.00
	<b>Total</b>	<b>\$ 786,585.00</b>

Notes:

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW301  
 WRIS Number: WX21125038

GRANTEE: EAST LAUREL WATER DISTRICT  
 LAUREL COUNTY

**BRIEF DESCRIPTION**

Project consist of 9,800 LF of 6" PVC waterline replacing the existing 4" PVC waterline along Tom Cat Trail and 3,300 LF 3" PVC waterline replacing the 2" PVC waterline along Watkins Road.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Water Grant - 22CWW301	\$794,383	Legal Expenses				\$6,000
Other Funding	319,617	Planning				12,000
		Eng - Design / Const	8.9%	8.2%		78,000
		Eng - Insp	5.7%	5.4%		51,000
		Eng - Other				15,000
		Construction				865,800
		Contingency				86,200
<b>TOTAL</b>	<b>\$1,114,000</b>	<b>TOTAL</b>				<b>\$1,114,000</b>

PROFESSIONAL SERVICES: Engineer Kenvirons, Inc.

PROJECT SCHEDULE: Bid Opening June 1, 2023  
 Construction Start September 1, 2023  
 Construction Stop December 1, 2023

RESIDENTIAL RATES: Current Users 5,837 Avg. Bill \$ 37.95 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Laurel County	\$ 794,383.00		
	Total	\$ 794,383.00		

Notes:



<b>EXECUTIVE SUMMARY</b>		Reviewer	Debbie Landrum
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW302
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21125549
GRANTEE	WEST LAUREL WATER ASSOCIATION INC LAUREL COUNTY		
BRIEF DESCRIPTION			
Installation of approximately 13,000 Feet of 6-inch PVC waterline alongside Hwy 552 and Topton Road. Installation of approximately 2,100 LF of 6" PVC waterline along Rooks Branch Road.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW302	\$792,300	Legal Expenses	\$9,000
CWP Grant 21CWW257	452,996	Planning	8,000
		Eng - Design / Const	8.7% 7.7% 83,000
		Eng - Insp	5.5% 4.9% 53,000
		Construction	997,046
		Contingency	87,750
		Other	7,500
TOTAL	\$1,245,296	TOTAL	\$1,245,296
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	April 1, 2023	
	Construction Start	June 1, 2023	
	Construction Stop	December 1, 2023	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	5,394	\$ 41.36 (for 4,000 gallons)
	Additional	1	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Laurel County	\$ 792,300.00	
	Total	\$ 792,300.00	
Notes:			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Julie Bickers March 16, 2023 22CWW303 WX21203011
GRANTEE	BRODHEAD, CITY OF ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
This project will be performed as (3) separate contracts, Radio Read Meter Purchase, Tank Repaint and Influent Flow Meter at the Wastewater Treatment Plant. Project consists of Standpipe water storage tank rehab at Bowling Ridge Tank, field blast and repaint interior of tank, disinfection and testing. Purchase and replace approximately 600 meters with ME8 radio read meters including associated hardware and software. Purchase and Installation of influent flow meters at the WWTP to meet agreed order (AI#3852; Activity ID ERF 20140001).			
PROJECT FINANCING		PROJECT BUDGET	RD Fee %    Actual %
CWP - Water Grant - 22CWW303	\$100,000	Administrative Expenses	\$4,300
CWP Grant 21CWW267	204,380	Eng - Design / Const	12.1%    8.5%    23,475
		Construction	276,605
<b>TOTAL</b>	<b>\$304,380</b>	<b>TOTAL</b>	<b>\$304,380</b>
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 512	<u>Avg. Bill</u> \$ 38.60 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Rockcastle County	\$ 100,000.00	
	Total	\$ 100,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW304
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21203012
GRANTEE	ROCKCASTLE COUNTY FISCAL COURT ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
Connect to existing Kentucky American Water waterline at Sand Springs Road. Extend approximately 2.1 miles of 4" waterline to provide drinking water service to 10 households currently without access along the length of Bloss Road in Rockcastle County.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW304	\$60,000	Administrative Expenses	\$10,000
Other Funding	780,000	Eng - Design / Const	9.3% 6.6% 50,000
		Eng - Insp	6.2% 2.6% 20,000
		Construction	690,000
		Contingency	70,000
TOTAL	<u>\$840,000</u>	TOTAL	<u>\$840,000</u>
PROFESSIONAL SERVICES	Engineer	Strand Associates, Inc	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	615	\$ 38.03 (for 4,000 gallons)
	Additional	10	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Rockcastle County	\$ 60,000.00	
	Total	\$ 60,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW305
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21203013
GRANTEE	WESTERN ROCKCASTLE WATER ASSOCIATION INC ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
Project entails the installation of approximately 7,400 LF of 3-Inch PVC SDR 17 Water Line along Merritt Cemetery Road and Maples Road.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW305	\$421,737	Land, Easements	\$5,000
Other Funding	3,263	Eng - Design / Const	10.9% 9.1% 33,300
		Eng - Insp	8.3% 5.4% 19,980
		Construction	333,000
		Contingency	33,720
TOTAL	<u>\$425,000</u>	TOTAL	<u>\$425,000</u>
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Incorporated	
PROJECT SCHEDULE	Bid Opening	June 1, 2023	
	Construction Start	July 1, 2023	
	Construction Stop	September 1, 2023	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	4,236	\$ 44.18 (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	Rockcastle County	\$ 421,737.00	
	Total	\$ 421,737.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW306
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21203014
GRANTEE	LIVINGSTON, CITY OF ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
The water tank repair & maintenance includes but not limited to: seal the foundation with a sealant, electrically ground the tank for lighting, clean, lubricate all moving parts and test the liquid level indicator, pressure wash the tank exterior with biodegradable detergent, clean tank outand inspect the tank interior in 12 months for coating issues.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW306	\$153,014	Construction	\$153,014
TOTAL	\$153,014	TOTAL	\$153,014
PROFESSIONAL SERVICES	Engineer	NA	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 159	<u>Avg. Bill</u> \$ 48.91 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Rockcastle County	\$ 153,014.00	
	Total	\$ 153,014.00	
Notes:			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Julie Bickers March 16, 2023 22CWW307 WX21203015
GRANTEE	MOUNT VERNON, CITY OF ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
Project will consist of refurbishing the City's 600,000 gallon Sand Springs Water Tank and a 450,000 gallon Industrial storage tank. Includes debris removal, pressure wash and paint exterior walls, replace vents, reseal ground tank bases and seal concrete footers. Rehab the City's Surface wash agitator (4 Filters) at the water treatment plant and purchase/replace desktop analyzer. Replace the City's backhoe with new excavator and trailer. Replace four gate valves at Hunter Street Lift Station.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee %    Actual %
CWP - Water Grant - 22CWW307	\$239,411	Construction	\$157,164
		Equipment	70,000
		Other	12,247
TOTAL	\$239,411	TOTAL	\$239,411
PROFESSIONAL SERVICES	Engineer	NA	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 2,038	<u>Avg. Bill</u> \$ 13.34 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Rockcastle County	\$ 239,411.00	
	Total	\$ 239,411.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW308
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21121537
GRANTEE	WHITLEY COUNTY FISCAL COURT WHITLEY COUNTY		
BRIEF DESCRIPTION			
KCUC proposes to construct approximately 25,960 LF of 3" and 4" line to serve customers in Whitley County along the following roads: Dillard Hamblin Road; KY 1595-Trace Branch Road; Seng Rd; Limestone Branch/Little Limestone and Harpes Creek Road.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW308	\$321,780	Administrative Expenses	\$10,000
CWP Grant 21CWW217	609,260	Legal Expenses	2,500
HB 267 Coal Grant	100,000	Land, Easements	2,500
		Planning	5,000
		Eng - Design / Const	10.3% 5.8% 48,116
		Eng - Insp	7.4% 4.2% 35,144
		Construction	781,780
		Contingency	46,000
		Other	100,000
TOTAL	\$1,031,040	TOTAL	\$1,031,040
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	Users	Avg. Bill
	Additional	2,814	\$ 46.03 (for 4,000 gallons)
		48	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Whitley County	\$ 321,780.00	
	Total	\$ 321,780.00	
Notes:			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Julie Bickers
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWW309
	WRIS Number	WX21235002

GRANTEE	CUMBERLAND FALLS HIGHWAY WATER DISTRICT WHITLEY COUNTY
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**BRIEF DESCRIPTION**

The grant funds will be used to supplement an existing SRF funded project. Contract 3 - The project will replace approximately 5,700 feet of old deteriorated/undersized water distribution lines along US 25 and KY 90 as well as relocating a booster pump station. It will also make water available along three roads which are currently not served. The extensions include approximately 7,210 feet of four inch and approximately 525 feet of three inch PVC water line to serve approximately 26 households. If funds remain at the end of this project, two alternates will be considered. Alternate 1 consists of replacing 1,700 feet of three inch waterline on Buc Road with new three inch PVC and PE waterline. The original funding was used by Cumberland Falls Highway Water District to replace approximately 39,300 feet of undersized, old, and leakage prone water lines; reinforce its system by looping lines and extending service to approximately 15 existing residences with service currently unavailable. The project also replaced a master meter, purchased AMR meters, and SCADA, which will help with security. HB 265 funds have been used to reimburse for the solenoid valve station and telemetry system and other equipment.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW309	\$477,070	Administrative Expenses			\$30,000
SRF F16-002	1,720,500	Legal Expenses			19,432
21CWW216	332,959	Land, Easements			2,500
HB 265 Coal Grant	40,000	Planning			29,395
Local Funds	2,500	Eng - Design / Const	8.3%	7.3%	146,263
		Eng - Insp	5.1%	4.6%	92,530
		Construction			1,963,820
		Equipment			167,139
		Contingency			53,200
		Other			68,750
<b>TOTAL</b>	<b>\$2,573,029</b>	<b>TOTAL</b>			<b>\$2,573,029</b>

PROFESSIONAL SERVICES	Engineer	Kenvirons, 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	3,490	\$ 51.82 (for 4,000 gallons)
	Additional	18	

**REGIONAL COORDINATION** This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Whitley County	\$ 477,070.00
	<b>Total</b>	<b>\$ 477,070.00</b>

Notes:



<b>EXECUTIVE SUMMARY</b>		Reviewer	Julie Bickers
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW310
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21235009
GRANTEE	WHITLEY COUNTY WATER DISTRICT WHITLEY COUNTY		
BRIEF DESCRIPTION			
<p>The project will replace old deteriorated often undersized lines in 11 areas of the existing distribution system, extend water service to five unserved areas, extend a transmission main from the City of Williamsburg system to the District's existing distribution system along KY 92 West and install a pressure reducing valve station to reduce the pressures along KY 26 and side roads from Rockholds to Williamsburg. The project will include the installation of approximately 800 LF of 8-inch, 30,350 LF of 6-inch, 35,200 LF of 4-inch and 15,370 LF of 3-inch water line, one booster pump station, one master meter, one pressure reducing valve station and appurtenances such as gate valves, meters, service tubing, etc.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW310	\$477,069	Administrative Expenses	\$35,000
CWP Grant 21CWW218	332,958	Legal Expenses	25,000
Other Funding	3,315,183	Land, Easements	20,000
		Planning	20,000
		Eng - Design / Const	7.0% 6.5% 235,000
		Eng - Insp	3.8% 3.6% 129,000
		Eng - Other	30,000
		Construction	3,301,110
		Contingency	330,100
TOTAL	\$4,125,210	TOTAL	\$4,125,210
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	3,667	\$ 45.50 (for 4,000 gallons)
	Additional	33	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Whitley County	\$ 477,069.00	
	Total	\$ 477,069.00	
Notes:			



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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW314  
 WRIS Number: WX21119025

GRANTEE: KNOTT COUNTY FISCAL COURT  
 KNOTT COUNTY

**BRIEF DESCRIPTION**

This project will allow supply of water to the Garner Mountain area of Knott County by the City of Hindman through purchase of water from Knott County Water & Sewer District. This project will replace the Garner pump station and will include a backup generator and SCADA. It will also include the addition of a pressure reducing and bypass valve at Jones Fork. The project also includes 2,500 LF of 6" PVC to interconnect from Watts Fork to 550 and Master Meter and vault and one hydrant. Knott County Fiscal Court will turn over the project once completed.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW314	\$865,672	Administrative Expenses			\$30,000
		Legal Expenses			5,000
		Land, Easements			5,000
		Eng - Design / Const	9.4%	6.3%	46,000
		Eng - Insp	6.3%	4.6%	33,900
		Eng - Other			15,000
		Construction			687,172
		Contingency			43,600
<b>TOTAL</b>	<b>\$865,672</b>	<b>TOTAL</b>			<b>\$865,672</b>

PROFESSIONAL SERVICES: Engineer - TBD

PROJECT SCHEDULE: Bid Opening - TBD  
 Construction Start - TBD  
 Construction Stop - TBD

RESIDENTIAL RATES	Users	Avg. Bill
Current	0	\$ 37.39 (for 4,000 gallons)
Additional	1	

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Knott County	\$ 865,672.00
	<b>Total</b>	<b>\$ 865,672.00</b>

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW315
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21085045
GRANTEE	EDMONSON COUNTY WATER DISTRICT GRAYSON COUNTY		
BRIEF DESCRIPTION			
Install 4100 LF of 6 inch water main and a pressure reducing station on Old Hill Top Road improving service to approximately 120 existing customers and allowing for future expansion. Relocate 500 LF of 4 inch waterline on Peonia Road that has been prone to leaks because of landslides. Replace flow meters at Van Meter School and Wax Plant for leak detection. Install electric at flowmeter pit at VanMeter School Road.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW315	\$274,000	Administrative Expenses	\$4,110
		Legal Expenses	2,000
		Land, Easements	1,000
		Eng - Design / Const	12.1% 10.6% 22,626
		Eng - Insp	10.2% 8.4% 17,792
		Eng - Other	4,255
		Construction	193,388
		Contingency	19,339
		Other	9,490
TOTAL	\$274,000	TOTAL	\$274,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 0	<u>Avg. Bill</u> \$ - (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Grayson County	\$ 274,000.00	
	Total	\$ 274,000.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW316
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21085046
GRANTEE	GRAYSON COUNTY WATER DISTRICT GRAYSON COUNTY		
BRIEF DESCRIPTION			
The District's entire meters are radio read meters. Per Kentucky Public Service Commission regulations meters must be replaced when they reach 15 years of age. The District has approximately 4,302 meters that are soon approaching this age and must be replaced. This project will purchase the meters and District personnel will replace the meters.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW316	\$758,405	Equipment	\$967,950
Other Funding	209,545		
TOTAL	\$967,950	TOTAL	\$967,950
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 6,750	<u>Avg. Bill</u> \$ 39.49 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Grayson County	\$ 758,405.00	
	Total	\$ 758,405.00	
Notes:			

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

Reviewer Milward Dedman  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW317  
 WRIS Number WX21027057

GRANTEE IRVINGTON, CITY OF  
 BRECKINRIDGE COUNTY

**BRIEF DESCRIPTION**

The replacement of approximately 630 existing customer service meters with new radio read meters. In the replacement process, there will be meter setters that will need to be replaced as the valve in the setter will not turn off. This will not only allow for a new setter, but the existing service line will be replaced back to the saddle. Many of the service lines are old galvanized steel and need to be replaced. There will not be enough money to replace them all, but the worst will be replaced.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Water Grant - 22CWW317	\$239,135	Legal Expenses				\$1,000
Local ARPA Grant Funds	283,782	Eng - Design / Const	10.4%	5.1%		25,000
		Eng - Insp	7.5%	2.1%		10,000
		Construction				462,917
		Contingency				24,000
<b>TOTAL</b>	<b>\$522,917</b>	<b>TOTAL</b>				<b>\$522,917</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES Current Users 611 \$ Avg. Bill 38.96 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Breckinridge County	\$ 239,135.00		
	Total	\$ 239,135.00		

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW318
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21093052
GRANTEE	HARDIN COUNTY WATER DISTRICT #2 HARDIN COUNTY		
BRIEF DESCRIPTION			
The proposed project will include construction of a new 750,000 gallon elevated water tank in the Mulberry corridor to replace two existing tanks that are nearing the end of their useful life. The project will provide storage and pressure to primary sections of downtown Elizabethtown.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW318	\$1,658,231	Administrative Expenses	\$5,000
CWP - Water Grant - 21CWW076	1,762,000	Legal Expenses	10,000
Other Funding	84,769	Land, Easements	5,000
		Planning	5,000
		Eng - Design / Const	7.2% 6.6% 207,000
		Eng - Insp	4.0% 3.7% 117,000
		Eng - Other	25,000
		Construction	2,850,000
		Contingency	281,000
TOTAL	<u>\$3,505,000</u>	TOTAL	<u>\$3,505,000</u>
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	June 1, 2023	
	Construction Start	September 29, 2023	
	Construction Stop	January 31, 2024	
RESIDENTIAL RATES	Current	<u>Users</u> 28,777	<u>Avg. Bill</u> \$ 28.80 (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	\$ 1,658,231.00	
	Total	\$ 1,658,231.00	
Notes:			

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Carmen Ignat March 16, 2023 22CWW319 WX21093057
GRANTEE	HARDIN COUNTY WATER DISTRICT #1 HARDIN COUNTY		
BRIEF DESCRIPTION			
The proposed project will extend water service to approximately 95 unserved households along roads in rural western Hardin County (including Laurel Ridge, Needham, G. Smallwood, Mt. Olivet, Padgett, Tyson Lane, and Lamar Ln.). The project would consist of installation of approximately 8.7 miles of new 6-inch water mains to homes that have poor quality water sources (wells & cisterns).			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Water Grant - 22CWW319	\$1,300,000	RD Fee %	Actual %
		Administrative Expenses	\$2,500
		Legal Expenses	2,500
		Eng - Design / Const	8.7% 8.4% 95,000
		Eng - Insp	5.5% 5.3% 60,000
		Eng - Other	10,000
		Construction	1,030,000
		Contingency	100,000
TOTAL	\$1,300,000	TOTAL	\$1,300,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	July 31, 2023	
	Construction Start	September 30, 2023	
	Construction Stop	February 1, 2024	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	10,355	\$ 28.78 (for 4,000 gallons)
	Additional	95	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Hardin County	\$ 1,300,000.00	
	Total	\$ 1,300,000.00	
Notes:			



<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW320
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21093058
GRANTEE	HARDIN COUNTY WATER DISTRICT #1 HARDIN COUNTY		
BRIEF DESCRIPTION			
Hardin County Water District No. 1 has identified additional unserved customer areas along the following roads: Rineyville Big Springs, Pierce Mill, Old Pierce Mill, Constantine, Fuller, Jonny Goodman, Gray, Mt. Olive, Roy, and Wilson Rd. The District is planning to extend 6-inch water mains to serve up to 85 unserved households in these areas. The project would include an estimated 87,400 l.f. of water main.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW320	\$688,228	Administrative Expenses	\$1,000
Other Funding	4,230,272	Legal Expenses	1,000
		Eng - Design / Const	6.8% 5.3% 245,000
		Eng - Insp	3.6% 1.8% 83,000
		Construction	4,370,000
		Contingency	218,500
TOTAL	\$4,918,500	TOTAL	\$4,918,500
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	July 31, 2023	
	Construction Start	September 30, 2023	
	Construction Stop	February 1, 2024	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	10,355	\$ 28.78 (for 4,000 gallons)
	Additional	63	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Hardin County	\$ 688,228.00	
	Total	\$ 688,228.00	
Notes:			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Carmen Ignat
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW321
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21093060
GRANTEE	HARDIN COUNTY WATER DISTRICT #2 HARDIN COUNTY		
BRIEF DESCRIPTION			
The proposed project will extend a 20" and 12" waterline to the BOSK Battery Plant and new KCTCS Training Center located in Glendale, Kentucky.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW321	\$1,250,000	Administrative Expenses	\$4,300
Other Funding	2,902,000	Land, Easements	30,000
		Planning	12,800
		Eng - Design / Const	7.0% 5.2% 196,500
		Eng - Insp	3.8% 2.5% 93,700
		Eng - Other	3,400
		Construction	3,070,000
		Contingency	741,300
TOTAL	\$4,152,000	TOTAL	\$4,152,000
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	28,777	\$ 28.80 (for 4,000 gallons)
	Additional	2	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Hardin County	\$ 1,250,000.00	
	Total	\$ 1,250,000.00	
Notes:			

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

Reviewer: Debbie Landrum  
 CPBOC Date: March 16, 2023  
 KIA Grant Number: 22CWW322  
 WRIS Number: WX21123034

GRANTEE: HODGENVILLE, CITY OF  
 LARUE COUNTY

**BRIEF DESCRIPTION**

The proposed project will renovate the existing 250,000 gal. Industrial Tank, including cleaning, repairs, and painting. Repairs will include the following: replace vent, replace safety rail system, install ladder gate, replace manway, remove old antennas, install an active mixing system. The improvements will keep the tank functioning into the future.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW322	\$415,422	Administrative Expenses			\$1,000
Other Funding	65,945	Eng - Insp	7.5%	1.1%	5,000
		Construction			452,767
		Contingency			22,600
<b>TOTAL</b>	<b>\$481,367</b>	<b>TOTAL</b>			<b>\$481,367</b>

PROFESSIONAL SERVICES: Engineer NA

PROJECT SCHEDULE: Bid Opening April 15, 2023  
 Construction Start May 15, 2023  
 Construction Stop July 31, 2023

RESIDENTIAL RATES: Current Users 1,637 Avg. Bill \$ 29.00 (for 4,000 gallons)

REGIONAL COORDINATION: This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Larue County	\$ 415,422.00
	<b>Total</b>	<b>\$ 415,422.00</b>

Notes:

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Debbie Landrum
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWW323
	WRIS Number	WX21123037

GRANTEE	LARUE COUNTY WATER DISTRICT #1 LARUE COUNTY
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**BRIEF DESCRIPTION**

The LaRue County Water District #1 is proposing to increase a water main size along E Leafdale Rd from 4-inch to 6-inch. The current water main is undersized and this increase will allow for the district to have a more substantial interconnect with the City of New Haven. Along with increase in water main, a PRV vault will be installed along Bardstown Rd to be able to send water to New Haven. The District will also be extending a waterline to the southwest portion of their system. This line will support the future growth of the district in that area. The district will be partnering with the Larue County Fiscal Court on the project.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW323	\$487,669	Administrative Expenses			\$25,000
Other Funding	958,831	Legal Expenses			2,500
		Planning			1,000
		Eng - Design / Const	8.6%	8.7%	107,000
		Eng - Insp	5.4%	6.1%	74,500
		Eng - Other			10,000
		Construction			1,116,500
		Contingency			110,000
<b>TOTAL</b>	<b>\$1,446,500</b>	<b>TOTAL</b>			<b>\$1,446,500</b>

PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC
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PROJECT SCHEDULE	Bid Opening	May 1, 2023
	Construction Start	June 15, 2023
	Construction Stop	November 30, 2023

RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	3,573	\$ 35.27 (for 4,000 gallons)

**REGIONAL COORDINATION** This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Larue County	\$ 487,669.00
	Total	\$ 487,669.00

Notes:

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Don Schierer
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWW324
	WRIS Number	WX21163002

GRANTEE	MEADE COUNTY WATER DISTRICT MEADE COUNTY
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**BRIEF DESCRIPTION**

The Meade Co. Water District is proposing to construct a new 16-inch treated water main east along KY Hwy 1638 approximately 52,000 l.f. to tie into the new HCWD#1 main connection with Louisville Water Co. The project will also include a new 1,000 gpm pump station and interconnect to provide resiliency for water supply to Meade Co. and the region. Additional pump station and valving improvements for tank filling/ water movement will be included as well.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW324	\$559,273	Legal Expenses			\$20,000
Line Item Grant 22KFW001	7,500,000	Land, Easements			25,000
Other Funding	2,990,727	Planning			80,000
		Eng - Design / Const	6.4%	5.8%	575,000
		Eng - Insp	3.0%	2.8%	275,000
		Eng - Other			50,000
		Construction			9,025,000
		Contingency			900,000
		Other			100,000
<b>TOTAL</b>	<b>\$11,050,000</b>	<b>TOTAL</b>			<b>\$11,050,000</b>

PROFESSIONAL SERVICES	Engineer	HDR Engineering, Incorporated
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PROJECT SCHEDULE	Bid Opening	November 30, 2023
	Construction Start	January 15, 2024
	Construction Stop	TBD

RESIDENTIAL RATES	Current	<u>Users</u>		<u>Avg. Bill</u>
		5,635	\$	36.32 (for 4,000 gallons)

**REGIONAL COORDINATION** This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Meade County	\$ 559,273.00		
	Total	\$ 559,273.00		

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW325  
 WRIS Number WX21163026

GRANTEE MEADE COUNTY WATER DISTRICT  
 MEADE COUNTY

**BRIEF DESCRIPTION**

The proposed project will extend 4 inch water line along Sirocco Road approx. 20,940 feet from Midway Rd. to Milan Rd, extend 4 inch waterline along Milan Road approx. 6285 feet, and extend 4 inch water line along Poplar Court for approx. 1,584 feet to provide potable water to approximately 45 unserved households in rural Meade Co. The project will also loop three lines providing better water quality.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %
CWP - Water Grant - 22CWW325	\$326,000	Construction		\$788,780
CWP Grant 21CWW250	462,780	Legal Expenses		
<b>TOTAL</b>	<b>\$788,780</b>	<b>TOTAL</b>		<b>\$788,780</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES	Users	Avg. Bill
Current	5,635	\$ 36.32 (for 4,000 gallons)
Additional	40	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Meade County	\$ 326,000.00
	<b>Total</b>	<b>\$ 326,000.00</b>

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW326  
 WRIS Number WX21163027

GRANTEE MEADE COUNTY WATER DISTRICT  
 MEADE COUNTY

**BRIEF DESCRIPTION**

The proposed project will extend 4-inch water lines along Lone Star and Big Dipper Trail approximately 2,900 l.f. to 15 existing unserved customers.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW326	\$21,000	Construction			\$79,080
CWP Grant 21CWW251	58,080	Legal Expenses			
<b>TOTAL</b>	<b>\$79,080</b>	<b>TOTAL</b>			<b>\$79,080</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 5,635 Avg. Bill \$ 36.32 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Meade County	\$ 21,000.00		
	Total	\$ 21,000.00		

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW327  
 WRIS Number WX21163036

GRANTEE MEADE COUNTY WATER DISTRICT  
 MEADE COUNTY

**BRIEF DESCRIPTION**

The proposed project will extend a 4-inch water line approximately 2,800 lf. along Chester Lane to 8 existing unserved households. The project is part of a series of extensions proposed by Meade Co. Water District to provide potable water to unserved areas in the county.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW327	\$48,000	Construction			\$76,477
CWP Grant 21CWW234	28,477	Legal Expenses			
<b>TOTAL</b>	<b>\$76,477</b>	<b>TOTAL</b>			<b>\$76,477</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 5,635 Avg. Bill \$ 36.32 (for 4,000 gallons)  
 Additional 8

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Meade County	\$ 48,000.00		
	Total	\$ 48,000.00		

Notes:



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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW328  
 WRIS Number WX21163046

GRANTEE MULDRAUGH, CITY OF  
 MEADE COUNTY

**BRIEF DESCRIPTION**

This project will replace multiple sections of pipe in Muldraugh, including old cast iron pipes.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW328	\$260,439	Construction			\$300,000
Other Funding	39,561	Legal Expenses			
<b>TOTAL</b>	<b>\$300,000</b>	<b>TOTAL</b>			<b>\$300,000</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 359 Avg. Bill \$ 20.50 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Meade County	\$ 260,439.00		
	<b>Total</b>	<b>\$ 260,439.00</b>		

Notes:

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

Reviewer Don Schierer  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW329  
 WRIS Number WX21165029

GRANTEE FRENCHBURG, CITY OF  
 MENIFEE COUNTY

**BRIEF DESCRIPTION**

The City of Frenchburg proposes a project which would rehabilitate and refurbish the 100,000 gallon Big Woods Tank located within the system. The upgrade of existing water main would allow the City of Frenchburg to increase the water pressure through the main line pressure reducing valve on an underserved portion of Stonequarry Rd. The line upgrade would also connect one new customer with the potential to add more customers in the future. The increase in pressure would require residential PRV's be added to the existing water meters in low lying areas. The City of Frenchburg Water System has a directly serviceable population of approximately 5,401, or 3,387 households, with serviceable connections in both Menifee and Bath Counties.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW329	\$214,775	Administrative Expenses			\$4,589
CWP Grant 21CWW318	91,150	Planning			5,000
		Eng - Design / Const	11.7%	10.6%	27,000
		Eng - Insp	9.6%	5.9%	15,000
		Construction			231,646
		Contingency			22,690
<b>TOTAL</b>	<b>\$305,925</b>	<b>TOTAL</b>			<b>\$305,925</b>

PROFESSIONAL SERVICES Engineer Kentucky Engineering Group PLLC

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES  
 Current Users 3,015 Avg. Bill \$ 31.44 (for 4,000 gallons)  
 Additional 1

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Menifee County	\$ 214,775.00
	<b>Total</b>	<b>\$ 214,775.00</b>

Notes:

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

Reviewer Julie Bickers  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW330  
 WRIS Number WX21233039

GRANTEE DIXON, CITY OF  
 WEBSTER COUNTY

**BRIEF DESCRIPTION**

THIS PROJECT IS REQUESTING PLANNING & DESIGN FUNDS The City of Dixon is currently experiencing waterloss issues with cast iron lines within their system. This project is requesting planning and design funds to procure engineering services to identify what lines need to be replaced. Once that is determined, the city will replace those lines with the necessary materials determined by the engineer.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %	
CWP - Water Grant - 22CWW330	\$36,000	Eng - Design / Const		12.7%	21.2%	\$36,000
Other Funding	214,000	Eng - Insp		11.2%	16.5%	28,000
		Construction				150,000
		Contingency				20,000
		Other				16,000
<b>TOTAL</b>	<b>\$250,000</b>	<b>TOTAL</b>				<b>\$250,000</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES Current Users 471 Avg. Bill \$ 36.00 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Webster County	\$	36,000.00	
	Total	\$	36,000.00	

Notes:

<b>EXECUTIVE SUMMARY</b>		Reviewer	Milward Dedman
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW331
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21163045
GRANTEE	BRANDENBURG, CITY OF MEADE COUNTY		
BRIEF DESCRIPTION			
This project has two elements. 1. The City will upgrade the existing backwash pump with a new high service pump and update the SCADA system at their water treatment facility. 2. The City will purchase 500 radio read meters to continue the replacement plan of old meters throughout the system.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW331	\$459,001	Equipment	\$459,001
TOTAL	\$459,001	TOTAL	\$459,001
PROFESSIONAL SERVICES	Engineer	NA	
PROJECT SCHEDULE	Bid Opening	May 1, 2023	
	Construction Start	June 1, 2023	
	Construction Stop	October 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 1,412	<u>Avg. Bill</u> \$ 16.35 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Meade County	\$ 459,001.00	
	Total	\$ 459,001.00	
Notes:			

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

Reviewer Julie Bickers  
 CPBOC Date March 16, 2023  
 KIA Grant Number 22CWW332  
 WRIS Number WX21025055

GRANTEE BREATHITT COUNTY WATER DISTRICT  
 BREATHITT COUNTY

**BRIEF DESCRIPTION**

This project will provide service to two areas in the county. The roads to be serviced will be Puncheon Creek and Highland Road. The project will also include SCADA site upgrades and tank site repairs to KY 28 tank, Cane Creek tank, 30 West tank and 30 East tank. Puncheon Creek will serve approximately 4 customers with 8,000 LF of 4" PVC line. Highland Road will serve approximately 5 customers with 8,000 LF of 6" PVC. The SCADA sites are: 1. Town Hill PS 2. KY 30 Meter Station 3. KY 30/Town Hill Master Meter 4. KY 476 Repeater 5. Bethany RD Meter Station 6. Graham Branch Tank 7. KY 30 E Master Meter Station 8. River Caney tank 9. KY 1110/28 Meter Station 10. KY 28 PS 11. KY 315 Tank 12. KY 476 PS 13. KY 476 Tank 14. South Fork/ Elk View Tank 15. South fork Elk view PS 16. River Caney PS 17. Any sites leftover from the first two phases that funds allow to be completed.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW332	\$134,648	Administrative Expenses			\$37,500
Other Funding	465,352	Legal Expenses			5,000
Local ARPA Grant Funds	150,000	Planning			5,000
		Eng - Design / Const	9.8%	9.8%	58,000
		Eng - Insp	6.8%	6.9%	41,000
		Eng - Other			10,000
		Construction			540,000
		Contingency			53,500
<b>TOTAL</b>	<b>\$750,000</b>	<b>TOTAL</b>			<b>\$750,000</b>

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE  
 Bid Opening TBD  
 Construction Start TBD  
 Construction Stop TBD

RESIDENTIAL RATES	Users	Avg. Bill
Current	1,999	\$ 59.31 (for 4,000 gallons)
Additional	9	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Breathitt County	\$ 134,648.00
	Total	\$ 134,648.00

Notes:

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>	Reviewer	Julie Bickers
	CPBOC Date	March 16, 2023
	KIA Grant Number	22CWW333
	WRIS Number	WX21025069

GRANTEE	BREATHITT COUNTY WATER DISTRICT BREATHITT COUNTY
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**BRIEF DESCRIPTION**

This project will include 2350 LF of 6" PVC SDR-17 Waterline, 2 of the 6" D.I.M.J. gate valve and box, 280 LF of 12" steel casing bore & jack, and 1 flushing hydrant assembly type 1. It will also include 2 of the 5/8" X 3/4" individual meter & orion radio read profiler, 150 of the 3/4" class 200 water service line, 1 combination air release valve and 4 waterline markers.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 22CWW333	\$282,000	Administrative Expenses			\$14,100
Local ARPA Grant Funds	282,000	Legal Expenses			1,000
		Land, Easements			10,000
		Planning			5,000
		Eng - Design / Const	12.2%	4.4%	21,500
		Eng - Insp	10.3%	4.3%	21,000
		Eng - Other			5,000
		Construction			468,120
		Contingency			18,280
<b>TOTAL</b>	<b>\$564,000</b>	<b>TOTAL</b>			<b>\$564,000</b>

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	1,999	\$ 59.31 (for 4,000 gallons)
	Additional	3	

**REGIONAL COORDINATION** This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Breathitt County	\$ 282,000.00
	<b>Total</b>	<b>\$ 282,000.00</b>

**Notes:**

<b>EXECUTIVE SUMMARY</b> <b>KENTUCKY INFRASTRUCTURE AUTHORITY</b> <b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b> <b>CLEANER WATER PROGRAM GRANT</b>		Reviewer CPBOC Date KIA Grant Number WRIS Number	Debbie Landrum March 16, 2023 22CWW334 WX21199151
GRANTEE	SOUTH EASTERN WATER ASSOCIATION INC PULASKI COUNTY		
BRIEF DESCRIPTION This project includes the construction of a new 250,000 Gallon elevated water storage tank to replace the old 50,000 gallon water to storage tank, which will improve the capacity and service to the area. This project also includes upgrading roughly 20,500 linear feet (L.F.) of existing transmission main from 6" to 8" PVC & ductile iron pipe to accommodate the increase in demand and the increased capacity from the new water tank, installation of roughly 5,300 L.F. of 4" PVC pipe to connect Pea Ridge Road, as well as install a pressure reducing valve along KY 1003.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW334	\$790,094	Administrative Expenses	\$15,000
Other Funding	3,247,906	Legal Expenses	15,000
		Land, Easements	20,000
		Eng - Design / Const	#DIV/0! 6.5% 229,600
		Eng - Insp	#DIV/0! 3.6% 126,500
		Eng - Other	50,000
		Construction	3,210,700
		Contingency	321,200
		Other	50,000
TOTAL	<u>\$4,038,000</u>	TOTAL	<u>\$4,038,000</u>
PROFESSIONAL SERVICES	Engineer	Kenvirons, Inc.	
PROJECT SCHEDULE	Bid Opening	July 1, 2024	
	Construction Start	January 1, 2025	
	Construction Stop	November 1, 2025	
RESIDENTIAL RATES	Current	<u>Users</u> 7,635	<u>Avg. Bill</u> \$ 52.90 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Pulaski County	\$ 790,094.00	
	Total	\$ 790,094.00	
Notes: This grant is a reallocation from a previously approved grant Previous Grantee: Southeastern Water Association Previous Grant# 22CWW189 Previous WRIS #WX21199148 Prior Approval Date:12/27/2022			

<b>EXECUTIVE SUMMARY</b>		Reviewer	Debbie Landrum
<b>KENTUCKY INFRASTRUCTURE AUTHORITY</b>		CPBOC Date	March 16, 2023
<b>DRINKING WATER AND WASTEWATER GRANT PROGRAM</b>		KIA Grant Number	22CWW335
<b>CLEANER WATER PROGRAM GRANT</b>		WRIS Number	WX21035052
GRANTEE	MURRAY, CITY OF CALLOWAY COUNTY		
BRIEF DESCRIPTION			
This request is for preliminary engineering, planning, acquisition and resident inspection for the construction a new 3 MCD Drinking Water Treatment Plant located in the expanding northern city limits. The project would include: -four (4) new raw water wells with a minimum 3,500 GPM capacity -Iron removing capabilities (oxidation, clarification, and filtration) a 1MG clearwell -High service pump station with 4000 GPM minimum capacity -Backwash pumps -Emergency standby generators with capacity to operate both the water treatment plant and wells			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 22CWW335	\$1,498,810	Administrative Expenses	\$10,000
Other Funding	745,190	Legal Expenses	10,000
		Land, Easements	100,000
		Planning	30,000
		Eng - Design / Const	#DIV/0! #DIV/0! 1,344,000
		Eng - Insp	#DIV/0! #DIV/0! 735,000
		Eng - Other	15,000
TOTAL	\$2,244,000	TOTAL	\$2,244,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	Users 0	Avg. Bill \$ - (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	\$ 1,498,810.00	
	Total	\$ 1,498,810.00	
Notes:			
This grant is a reallocation from a previously approved grant Previous Grantee: City of Murray Previous Grant # 22CWW275 Previous WRIS#WX21035042 Prior Approval Date: 11/22/2022			