



**Kentucky Infrastructure Authority
Loan Programs
Fiscal Year Ended June 30, 2023**

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

Program Designation		Fund A (CWSRF)	Fund F (DWSRF)	Fund B	Fund C	
Description of Program Federal / State		Clean Water Federal	Drinking Water Federal	Infrastructure State	Governmental Agencies State	
Selection Basis		Priority List	Priority List	First Come First Served	First Come First Served	
Types of Infrastructure		Wastewater	Drinking Water	Various ⁽¹⁾	Various ^(1,3)	
Fiscal 2023						
Terms ⁽⁴⁾	Interest Rates	Income Based	Income Based	Income Based	Terms	Market Rate
20 years	Standard (> or = \$52,238)	2.25%	2.25%	2.25%	1-5 years	1.75%
20 years	Non-standard (\$41,791 - \$52,237) ⁽²⁾	1.25%	1.25%	1.25%	6-10 years	2.25%
20 to 30 years	Disadvantage (< or = \$41,790)	0.50%	0.50%	0.50%	11-20 years	2.75%
20 years	Broadband Projects	N/A	N/A	4.25%	20 years	4.25%
Administration Fees (on principal)		0.20%	0.25%	0.20%	0.20%	
Principal Forgiveness		depends on MHI/affordability index		N/A	N/A	
Lending Capacity						
Estimated Annual Availability		\$126,072,177	\$83,654,198	\$1,120,862	\$11,076,261	
Significant Federal Requirements		Davis Bacon Environmental Review American Iron and Steel Fiscal Sustainability Plan Build America Buy America	Davis Bacon Environmental Review American Iron and Steel Build America Buy America			

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

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

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

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

**Kentucky Infrastructure Authority
Projects for July 2022
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>
A20-047	McCreary County Water District (Director Level Increase)	\$ 324,450	\$ 3,568,950	McCreary
A21-020	Farmdale Sanitation District (Director Level Increase)	\$ 30,000	\$ 330,000	Franklin

▪ **Fund B Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
B22-004	Western Pulaski County Water District	\$ 4,500,000	\$ 4,500,000	Pulaski
B22-005	Bronston Water Association Inc	\$ 2,743,000	\$ 2,743,000	Pulaski

▪ **Fund C Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
C22-002	City of Somerset	\$ 2,500,120	\$ 2,500,120	Pulaski
C22-003	City of Nicholasville (Increase for F22-001)	\$ 990,912	\$ 990,912	Jessamine

▪ **Fund F Loan**

<u>Loan #</u>	<u>Borrower</u>	<u>Amount Requested</u>	<u>Amount Loan Total</u>	<u>County</u>
F21-060	City of Wilmore (Director Level Increase)	\$ 10,250	\$ 1,004,898	Jessamine
F22-001	City of Nicholasville	\$ 4,582,030	\$ 4,582,030	Jessamine
F22-019	City of Paris	\$ 3,275,000	\$ 3,275,000	Bourbon
F22-030	Cannonsburg Water District	\$ 1,685,083	\$ 1,685,083	Boyd

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	June 29, 2022	
FUND A, FEDERALLY ASSISTED WASTEWATER		KIA Loan Number	A20-047 (Increase)	
REVOLVING LOAN FUND		WRIS Number	SX21147019	
BORROWER	MCCREARY COUNTY WATER DISTRICT MCCREARY COUNTY			
BRIEF DESCRIPTION				
The McCreary County Water District is requesting a Fund A loan increase of \$324,450 for the Sanitary Sewer Collection System Expansion project. The project was initially approved on June 4, 2020. The increase will bring the total loan amount up to \$3,568,950. The additional funds are needed to pay for escalations and minor changes to the pump stations and restore contingency funds.				
PROJECT FINANCING		PROJECT BUDGET		
Fund A Loan	\$3,568,950	Administrative Expenses	RD Fee %	Actual %
		Legal Expenses		
		Land, Easements		
		Eng - Design / Const	7.2%	7.3%
		Eng - Insp	4.0%	4.0%
		Construction		
		Contingency		
TOTAL	\$3,568,950	TOTAL		\$3,568,950
REPAYMENT	Rate	0.50%	Est. Annual Payment	\$118,325
	Term	30 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Dec-20		
	Construction Start	Feb-21		
	Construction Stop	Sep-22		
DEBT PER CUSTOMER	Existing	\$10,175		
	Proposed	\$10,832		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,140	\$49.86	(for 4,000 gallons)
	Additional	305	\$49.86	(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 2018	517,704	689,414	(171,710)	0.8
Audited 2019	772,103	811,169	(39,066)	1.0
Audited 2020	1,315,688	3,049,067	(1,733,379)	0.4
Projected 2021	1,648,148	783,637	864,511	2.1
Projected 2022	1,567,040	916,574	650,466	1.7
Projected 2023	2,128,766	1,026,160	1,102,605	2.1
Projected 2024	2,376,194	1,021,460	1,354,734	2.3
Projected 2025	2,290,122	1,024,466	1,265,656	2.2

Reviewer: John Brady
Date: June 29, 2022
Loan Number: A20-047 Increase

**KENTUCKY INFRASTRUCTURE AUTHORITY
WASTEWATER REVOLVING LOAN FUND (FUND A)
MCCREARY COUNTY WATER DISTRICT, MCCREARY COUNTY
PROJECT REVIEW
SX21147019**

I. PROJECT DESCRIPTION

The McCreary County Water District (MCWD) is requesting a Fund A loan increase of \$324,450 for the Sanitary Sewer Collection System Expansion project. The project was initially approved on June 4, 2020. The director level increase will bring the total loan amount up to \$3,568,950. The additional funds are needed to pay for escalations and minor changes to the pump stations and to restore contingency funds.

The project will expand the MCWD's sanitary sewer collection system by adding approximately 65,000 linear feet of PVC sewer line. 305 new customers in the Sterns and Smithtown areas who are having issues with failing septic systems will now be served. A new 100 gallon per minute pump station will be constructed to avoid high pressures, provide adequate capacity, and reduce operating expenses on individual grinder pumps.

The MCWD currently serves over 850 residential customers and after project completion will serve approximately 1,150. They also serve over 250 commercial and industrial customers.

II. PROJECT BUDGET

	<u>Amount</u>
Administrative Expenses	\$ 80,000
Legal Expenses	8,920
Land, Easements	10,000
Engineering Fees - Design	182,767
Engineering Fees - Construction	45,692
Engineering Fees - Inspection	125,821
Construction	<u>2,622,687</u>
Total	\$ 3,568,950

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund A Loan	\$ 3,568,950	100%
Total	\$ 3,568,950	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 3,568,950
Less: Principal Forgiveness	<u>450,000</u>
Amortized Loan Amount	\$ 3,118,950
Interest Rate	0.50%
Loan Term (Years)	<u>30</u>
Estimated Annual Debt Service	\$ 112,087
Administrative Fee (0.20%)	<u>6,238</u>
Total Estimated Annual Debt Service	\$ 118,325

V. PROJECT SCHEDULE

Bid Opening	December 2020
Construction Start	February 2021
Construction Stop	September 2022

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

Customers	Current	Proposed	Total
Residential	862	305	1,167
Commercial	156	0	156
Industrial/Institutional	<u>122</u>	<u>0</u>	<u>122</u>
Total	1,140	305	1,445

B) Rates

Sewer	<u>Proposed</u>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	01/01/23	08/29/19	03/06/15
Minimum 2,000 Gallons	\$29.36	\$24.19	\$19.35
Next 18,000 Gallons	10.25	8.44	6.75
Cost for 4,000 gallons	\$49.86	\$41.07	\$32.85
Increase %	21.4%	25.0%	
Affordability Index (Rate/MHI)	3.4%	2.8%	

Water	<u>Proposed</u>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase	01/01/23	02/22/21	08/02/19
Minimum 2,000 Gallons	\$23.42	\$22.50	\$21.98
Over 2,000 Gallons	9.63	9.25	7.29
Cost for 4,000 gallons	\$42.68	\$41.00	\$36.56
Increase %	4.1%	12.1%	
Affordability Index (Rate/MHI)	2.9%	2.8%	2.5%

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2013-2017, the Utility's service area population was 6,255 with a Median Household Income (MHI) of \$17,506. The median household income for the Commonwealth at that time was \$46,535. The project will qualify for a 0.50% interest rate.

VIII. 2020 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - This project does not qualify for Green Project Reserve funding.
- 2) Additional Subsidization – This project qualifies for additional subsidization. Principal forgiveness of 50% of the assistance amount, not to exceed \$450,000, 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 December 31, 2018 through December 31, 2020. 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

Combined water and sewer revenues increased 23.2% from \$4.16 million in 2018 to \$5.13 million in 2020 due to rate increases for both services that went into effect in 2019. Operating expenses increased 4.9% from \$3.75 million to \$3.94 million during the same period. The debt coverage ratio was 0.8, 1.0, and 0.4 in 2018, 2019, and 2020.

The balance sheet reflects a current ratio of 1.6, a debt to equity ratio of 0.7, 39.2 days of sales in accounts receivable, and 1.0 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues will increase 12.1% in 2021 due to an existing rate increase and 4.1% in 2023 due to a proposed rate increase.
- 2) Sewer revenues will increase 21.4% in 2023 and 17.6% in 2024 due to proposed rate increases.
- 3) The project will add 305 new customers which will generate additional sewer revenues beginning in 2023.
- 4) Operating expenses will increase 2% annually due to inflation.
- 5) Debt service coverage is 2.1 in 2023 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.

The MCWD 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 \$3,568,950 loan and must receive a Certificate of Public Convenience and Necessity (CPCN), pursuant to KRS 278.020, from the PSC for any portion of the project that may require it.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$178,000 total) of the final amount borrowed (prior to principal forgiveness) to be funded annually (\$8,900 yearly) each December 1 for 20 years and maintained for the life of the loan.

X. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
Series 2012D Revenue Bonds	\$ 2,500,000	2040
Series 2012D Revenue Bonds	1,250,000	2041
Series 2012D1 Revenue Bonds	1,166,500	2052
Series 2013A Revenue Bonds	760,000	2030
Series 2013D Revenue Bonds	566,500	2052
Series 2015 Revenue Bonds	1,108,500	2055
Series 2020 Revenue Bonds	1,324,000	2060
KIA Loan F04-03	429,593	2026
BB&T Note	659,054	2028
Series 2020 Revenue Bonds (i.a.o. \$1,535,306)		2060
Series 2020E Revenue Bonds (i.a.o. \$234,694)		2050
UC Bank Note (i.a.o. \$65,000)		2026
Total	\$ 9,764,147	

XI. CONTACTS

Legal Applicant	
Entity Name	McCreary County Water District
Authorized Official	Randy Kidd (Chairman)
County	McCreary
Email	stepwhitaker@gmail.com
Phone	(606) 376-2540
Address	PO Box 488 Whitley City, KY 42653

Applicant Contact	
Name	Stephen Whitaker
Organization	McCreary County Water District
Email	stepwhitaker@gmail.com
Phone	(606) 376-2445
Address	456 N Hwy 27 Whitley City, KY 42653

Project Administrator

Name	Judy Hachey
Organization	LCADD
Email	judyh@lcadd.org
Phone	(270) 866-4200
Address	2384 Lakeway Drive, PO Box 1570 Russell Springs, KY 42642

Consulting Engineer

PE Name	Alan Ray Robinson
Firm Name	Eclipse Engineers, PLLC
Email	arobinson@eclipseengineers.net
Phone	(859) 433-9585
Address	113 W Mount Vernon Street Somerset, KY 42501

XII. RECOMMENDATIONS

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

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

	<u>Audited</u> <u>2018</u>	<u>Audited</u> <u>2019</u>	<u>Audited</u> <u>2020</u>	<u>Projected</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>
Balance Sheet								
Assets								
Current Assets	1,189,079	1,140,490	1,427,483	1,648,827	1,778,920	2,069,641	2,376,188	2,629,319
Other Assets	40,044,396	39,272,909	39,145,315	38,211,013	42,789,025	41,965,574	41,343,826	40,650,815
Total	<u>41,233,475</u>	<u>40,413,399</u>	<u>40,572,798</u>	<u>39,859,840</u>	<u>44,567,945</u>	<u>44,035,215</u>	<u>43,720,014</u>	<u>43,280,135</u>
Liabilities & Equity								
Current Liabilities	796,881	1,524,584	865,980	951,079	1,059,194	1,073,070	1,095,241	1,108,841
Long Term Liabilities	14,618,282	14,608,225	15,846,936	15,288,180	19,713,659	19,039,812	18,347,294	17,644,776
Total Liabilities	<u>15,415,163</u>	<u>16,132,809</u>	<u>16,712,916</u>	<u>16,239,259</u>	<u>20,772,853</u>	<u>20,112,882</u>	<u>19,442,535</u>	<u>18,753,617</u>
Net Assets	<u>25,818,312</u>	<u>24,280,590</u>	<u>23,859,882</u>	<u>23,620,581</u>	<u>23,795,092</u>	<u>23,922,333</u>	<u>24,277,479</u>	<u>24,526,518</u>
Cash Flow								
Revenues	4,164,004	4,459,832	5,131,605	5,582,798	5,582,798	6,236,854	6,568,667	6,568,667
Operating Expenses	3,751,384	3,904,223	3,936,668	4,055,401	4,136,509	4,228,839	4,313,224	4,399,296
Other Income	105,084	216,494	120,751	120,751	120,751	120,751	120,751	120,751
Cash Flow Before Debt Service	<u>517,704</u>	<u>772,103</u>	<u>1,315,688</u>	<u>1,648,148</u>	<u>1,567,040</u>	<u>2,128,766</u>	<u>2,376,194</u>	<u>2,290,122</u>
Debt Service								
Existing Debt Service	689,414	811,169	3,049,067	783,637	916,574	907,835	903,135	1,024,466
Proposed KIA Loan	0	0	0	0	0	118,325	118,325	118,325
Total Debt Service	<u>689,414</u>	<u>811,169</u>	<u>3,049,067</u>	<u>783,637</u>	<u>916,574</u>	<u>1,026,160</u>	<u>1,021,460</u>	<u>1,142,791</u>
Cash Flow After Debt Service	<u>(171,710)</u>	<u>(39,066)</u>	<u>(1,733,379)</u>	<u>864,511</u>	<u>650,466</u>	<u>1,102,605</u>	<u>1,354,734</u>	<u>1,265,656</u>
Ratios								
Current Ratio	1.5	0.7	1.6	1.7	1.7	1.9	2.2	2.4
Debt to Equity	0.6	0.7	0.7	0.7	0.9	0.8	0.8	0.8
Days Sales in Accounts Receivable	31.5	31.4	39.2	39.2	39.2	39.2	39.2	39.2
Months Operating Expenses in Unrestricted Cash	1.3	0.8	1.0	1.5	1.8	2.4	3.1	3.8
Debt Coverage Ratio	0.8	1.0	0.4	2.1	1.7	2.1	2.3	2.2

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	June 29, 2022	
FUND A, FEDERALLY ASSISTED WASTEWATER		KIA Loan Number	A21-020 (Increase)	
REVOLVING LOAN FUND		WRIS Number	SX21073026	
BORROWER	FARMDALE SANITATION DISTRICT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
<p>The Farmdale Sanitation District (FSD) is requesting a Fund A loan increase of \$30,000 for the FSD Rehabilitation project. The project was initially approved on February 4, 2021. The director level increase will bring the total loan amount up to \$330,000. The increase is due to higher bids than budgeted and will help fully fund contingencies.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund A Loan	\$330,000	RD Fee %	Actual %	
				Administrative Expenses \$15,000
				Legal Expenses 2,500
				Land, Easements 2,500
				Planning 10,000
		Eng - Design / Const 11.7%	10.8%	27,000
		Eng - Insp 9.6%	8.4%	21,000
				Construction 216,499
				Contingency 33,001
TOTAL	\$330,000	TOTAL		\$330,000
REPAYMENT	Rate	1.00%	Est. Annual Payment	\$18,906
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Haworth Meyer & Boleyn, Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Mar-22		
	Construction Start	Jul-22		
	Construction Stop	Sep-22		
DEBT PER CUSTOMER	Existing	\$28		
	Proposed	\$307		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		1,076	\$45.00	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	58,271	0	58,271	n/a
Audited 2020	176,474	8,323	168,151	21.2
Audited 2021	47,423	8,150	39,273	5.8
Projected 2022	37,773	0	37,773	n/a
Projected 2023	27,130	9,453	17,677	2.9
Projected 2024	43,561	18,906	24,655	2.3
Projected 2025	33,321	18,906	14,415	1.8
Projected 2026	22,876	18,906	3,970	1.2

Reviewer: John Brady
Date: June 29, 2022
Loan Number: A21-020 Increase

**KENTUCKY INFRASTRUCTURE AUTHORITY
WASTEWATER REVOLVING LOAN FUND (FUND A)
FARMDALE SANITATION DISTRICT, FRANKLIN COUNTY
PROJECT REVIEW
SX21073026**

I. PROJECT DESCRIPTION

The Farmdale Sanitation District (FSD) is requesting a Fund A loan increase of \$30,000 for the FSD Rehabilitation project. The project was initially approved on February 4, 2021. The director level increase will bring the total loan amount up to \$330,000. The increase is due to higher bids than budgeted and will help fully fund contingencies.

This project involves the rehabilitation of the existing sanitary sewer collection systems in order to reduce the inflow and infiltration in the Farmdale, Coolbrook, Edgewood, Farmgate, Evergreen, Huntington Woods, and Meadowbrook subdivisions. It includes point repairs, manhole rehabilitation, and sewer line replacement and rehabilitation. The Quail Run Pump Station will also be eliminated as part of this project. The station doesn't have a backup pump and needs a new control panel and piping. Instead of making the costly repairs, the FSD will replace it with approximately 1,300 linear feet of gravity sewer. This project is necessary to achieve compliance with an agreed order.

The FSD currently serves 1,076 residential customers.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 15,000
Legal Expenses	2,500
Land, Easements	2,500
Planning	10,000
Engineering Fees - Design	22,000
Engineering Fees - Construction	5,000
Engineering Fees - Inspection	21,000
Engineering Fees - Other	2,500
Construction	216,499
Contingency	33,001
Total	\$ 330,000

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund A Loan	\$ 330,000	100%
Total	\$ 330,000	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 330,000
Less: Principal Forgiveness	<u>0</u>
Amortized Loan Amount	\$ 330,000
Interest Rate	1.00%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 18,246
Administrative Fee (0.20%)	<u>660</u>
Total Estimated Annual Debt Service	\$ 18,906

V. PROJECT SCHEDULE

Bid Opening	March 2022
Construction Start	July 2022
Construction Stop	September 2022

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

<u>Customers</u>	<u>Current</u>
Residential	1,076
Commercial	0
Industrial	<u>0</u>
Total	1,076

B) Rates

	Current	Prior
Date of Last Rate Increase	07/01/19	06/01/17
Flat Rate		\$39.95
Minimum Fee	\$25.00	
Cost per 1,000 gallons	5.00	
Cost for 4,000 gallons	\$45.00	\$39.95
Increase %	12.6%	
Affordability Index (Rate/MHI)	0.8%	0.7%

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2014-2018, the Utility's service area population was 1,672 with a Median Household Income (MHI) of \$66,000. The median household income for the Commonwealth was \$48,392. The project will qualify for a 1.00% interest rate.

VIII. 2020 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - This project does not qualify for Green Project Reserve funding.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

IX. FINANCIAL ANALYSIS

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

HISTORY

Total sewer revenues increased 31.1% from \$404,235 in 2019 to \$529,903 in 2021 due to a rate increase implemented in 2020. Operating expenses increased 39.5% from \$345,964 to \$482,480 during the same period due mostly to costs associated with repairs and maintenance. The debt coverage ratio was 21.2 in 2020 and 5.8 in 2021. There were no legal debt obligations to be paid in 2019.

The balance sheet reflects a current ratio of 2.2, a debt to equity ratio of 0.1, 93.3 days of sales in accounts receivable, and 10.6 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Sewer revenues will increase 5% in 2024 to maintain the 1.1 debt coverage.
- 2) Operating expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 2.9 in 2023 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% (\$16,000 total) of the final amount borrowed to be funded annually (\$800 yearly) each December 1 for 20 years and maintained for the life of the loan.

X. DEBT OBLIGATIONS

The FSD currently has no legal debt obligations.

XI. CONTACTS

Legal Applicant	
Entity Name	Farmdale Sanitation District
Authorized Official	Charles Burnette (Chairman)
County	Franklin
Email	cburnette@fewpb.com
Phone	(502) 330-0077
Address	321 W Main Street Frankfort KY 40601

Applicant Contact	
Name	Ann Northcutt
Organization	Franklin County Fiscal Court
Email	ann.northcutt@franklincountyky.gov
Phone	(502) 875-8751
Address	321 W Main St Frankfort, KY 40601

Project Administrator

Name	Chris A Stewart
Organization	HMB Professional Engineers
Email	castewart@hmbpe.com
Phone	(502) 695-9800
Address	3 HMB Circle Frankfort, KY 40601

Consulting Engineer

PE Name	Jeff Reynolds
Firm Name	Haworth Meyer & Boleyn, Inc.
Email	jdreynolds@hmbpe.com
Phone	(502) 695-9800
Address	3 HMB Circle Frankfort, KY 40601

XII. RECOMMENDATIONS

KIA staff recommends approval of the loan increase with the standard conditions and the following special condition:

The FSD Board must pass a resolution demonstrating their intention to increase revenues as necessary to meet the loan requirements over the life of the loan. KIA staff review currently indicates that revenues will need to increase by an estimated \$30,000 annually in 2024, which equates to an approximate rate increase of 5%, to maintain the 1.1 debt coverage ratio in 2024.

**FARMDALE SANITATION DISTRICT
FINANCIAL SUMMARY (JUNE 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>
Balance Sheet								
Assets								
Current Assets	209,833	338,598	563,222	600,985	618,662	650,117	664,532	668,502
Other Assets	867,736	1,002,709	1,630,962	1,624,844	1,941,276	1,927,708	1,914,140	1,900,572
Total	1,077,569	1,341,307	2,194,184	2,225,829	2,559,938	2,577,825	2,578,672	2,569,074
Liabilities & Equity								
Current Liabilities	57,548	45,157	260,991	235,603	256,803	261,603	266,503	271,503
Long Term Liabilities	30,000	30,000	0	0	313,500	297,000	280,500	264,000
Total Liabilities	87,548	75,157	260,991	235,603	570,303	558,603	547,003	535,503
Net Assets	990,021	1,266,150	1,933,193	1,990,226	1,989,635	2,019,222	2,031,669	2,033,571
Cash Flow								
Revenues	404,235	524,328	529,903	529,903	529,903	556,373	556,373	556,373
Operating Expenses	345,964	347,854	482,480	492,130	502,773	512,812	523,052	533,497
Other Income	0	0	0	0	0	0	0	0
Cash Flow Before Debt Service	58,271	176,474	47,423	37,773	27,130	43,561	33,321	22,876
Debt Service								
Existing Debt Service	0	8,323	8,150	0	0	0	0	18,906
Proposed KIA Loan	0	0	0	0	9,453	18,906	18,906	18,906
Total Debt Service	0	8,323	8,150	0	9,453	18,906	18,906	37,812
Cash Flow After Debt Service	58,271	168,151	39,273	37,773	17,677	24,655	14,415	3,970
Ratios								
Current Ratio	3.6	7.5	2.2	2.6	2.4	2.5	2.5	2.5
Debt to Equity	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3
Days Sales in Accounts Receivable	93.7	91.1	93.3	93.3	93.3	93.3	93.3	93.3
Months Operating Expenses in Unrestricted Cash	3.7	7.2	10.6	11.4	11.6	11.9	12.0	12.1
Debt Coverage Ratio	N/A	21.2	5.8	N/A	2.9	2.3	1.8	1.2

RESOLUTION 2022- 1
FARMDALE SANITATION DISTRICT
BOARD OF COMMISSIONERS

July 7, 2022

Whereas, the Farmdale Sanitation District (FSD) anticipates receiving a loan from the Kentucky Infrastructure Authority (KIA) for the construction of the proposed FSD Rehabilitation project.

Whereas, the KIA requires a commitment from the FSD to adjust wastewater rates as recommended to meet KIA Loan A21-020 requirements.

Whereas, the FSD hereby resolves to increase wastewater rates as necessary and put the new rates into effect by no later than July 1, 2023.

Adopted this 7th day of July 2022.

Christie Bob Bennett

Chairman

Attest:

Roy T. Smith TREASURER

EXECUTIVE SUMMARY		Reviewer	Alex Fisher	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND B, INFRASTRUCTURE		KIA Loan Number	B22-004	
REVOLVING LOAN FUND		WRIS Number	WX21199141	
BORROWER	WESTERN PULASKI COUNTY WATER DISTRICT PULASKI COUNTY			
BRIEF DESCRIPTION				
The Western Pulaski County Water District is requesting a Fund B loan for \$4,500,000 for the Bourbon Water Storage Tank Replacement project. This project will replace an existing 300,000 gallon elevated water storage tank with a new 1,000,000 gallon elevated composite water storage tank. Additional 600 LF of 12 inch water main will be installed to connect the new tank to the KY Hwy 914 Bypass water main.				
PROJECT FINANCING		PROJECT BUDGET		
Fund B Loan	\$4,500,000	RD Fee %	Actual %	
				\$12,000
				5,000
		6.9%	6.9%	277,000
		3.7%	3.7%	148,000
				28,000
				3,648,000
				364,000
				18,000
TOTAL	\$4,500,000	TOTAL		\$4,500,000
REPAYMENT	Rate	1.00%	Est. Annual Payment	\$257,810
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Monarch Engineering Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Jun-23		
	Construction Start	Aug-23		
	Construction Stop	Aug-24		
DEBT PER CUSTOMER	Existing	\$1,105		
	Proposed	\$1,479		
RESIDENTIAL RATES	Current	<u>Users</u> 8,950	<u>Avg. Bill</u> \$30.20	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	1,159,522	2,459,045	(1,299,523)	0.5
Audited 2020	868,061	426,522	441,539	2.0
Audited 2021	1,045,714	700,196	345,518	1.5
Projected 2022	956,601	362,120	594,481	2.6
Projected 2023	1,699,852	661,500	1,038,352	2.6
Projected 2024	1,661,284	789,468	871,816	2.1
Projected 2025	1,633,470	924,650	708,820	1.8
Projected 2026	1,605,100	802,484	802,616	2.0

Reviewer: Alex Fisher
Date: July 7, 2022
Loan Number: B22-004

**KENTUCKY INFRASTRUCTURE AUTHORITY
INFRASTRUCTURE REVOLVING LOAN FUND (FUND B)
WESTERN PULASKI COUNTY WATER DISTRICT, PULASKI COUNTY
PROJECT REVIEW
WX21199141**

I. PROJECT DESCRIPTION

The Western Pulaski County Water District is requesting a Fund B loan for \$4,500,000 for the Bourbon Water Storage Tank Replacement project. This project will replace an existing 300,000-gallon elevated water storage tank with a new 1,000,000-gallon elevated composite water storage tank. Additional 600 LF of 12-inch water main will be installed to connect the new tank to the KY Hwy 914 Bypass water main.

Western Pulaski County Water District serves over 8,900 residential and 27 commercial customers.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 12,000
Legal Expenses	5,000
Engineering Fees - Design	277,000
Engineering Fees - Inspection	148,000
Engineering Fees - Other	28,000
Construction	3,648,000
Contingency	364,000
Other	18,000
Total	\$ 4,500,000

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund B Loan	\$ 4,500,000	100%
Total	\$ 4,500,000	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 4,500,000
Less: Principal Forgiveness	0
Amortized Loan Amount	<u>\$ 4,500,000</u>
Interest Rate	1.00%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 248,810
Administrative Fee (0.20%)	<u>9,000</u>
Total Estimated Annual Debt Service	\$ 257,810

V. PROJECT SCHEDULE

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

VI. RATE STRUCTURE

A. Customers

<u>Customers</u>	<u>Current</u>
Residential	8,923
Commercial	27
Industrial	<u>0</u>
Total	8,950

B. Rates

WATER	<u>Proposed</u>	<u>Current</u>	<u>Prior</u>
Date of Last Rate Increase		07/16/18	8/1/2012
Minimum (2,000 gallons)	\$21.54	\$17.58	14.34
Next 1,000 Gallons	<u>7.73</u>	<u>6.31</u>	<u>5.82</u>
Cost for 4,000 gallons	\$37.00	\$30.20	\$25.98
Increase %	22.5%	16.2%	
Affordability Index (Rate/MHI)	1.0%	0.8%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 17,482 with a Median Household Income (MHI) of \$44,149. The median household income for the Commonwealth is \$50,589. The project will qualify for a 1.0% interest rate.

VIII. 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. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased 4.6% from \$3.39 million in 2019 to \$3.54 in 2021 while operating expenses increased 31.2% from \$0.99 million to \$1.31 million during the same period primarily due to increased salary and pension costs. Consolidated cash flow before debt service averaged \$1.02 million in the 3 audited years. The debt coverage ratio was 0.5, 2.0, and 1.5 in 2019, 2020, and 2021 respectively.

The balance sheet reflects a current ratio of 4.4, a debt-to-equity ratio of 1.1, 39.6 days of sales in accounts receivable, and 11.5 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues increase to the proposed PSC case rate in fiscal year 2023.
- 2) Expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 2.1 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 Western Pulaski County Water District is regulated by the Public Service Commission and will need to apply to the Public Service Commission (PSC), pursuant to KRS 278.300, for debt authorization for the \$4.5 million loan and District must receive a Certificate of Public Convenience and Necessity (CPCN), pursuant to KRS 278.020.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$226,000 total) of the final amount borrowed to be funded annually (\$11,300 yearly) each December 1 for 20 years and maintained for the life of the loan.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
Series 2002A RD USDA	\$ 649,000	2042
Series 2002B RD USDA	394,000	2042
Series 2010 RD USDA	734,000	2049
Series 2012E Ky RWFC	1,040,000	2035
Series 2013 RD USDA	1,222,500	2053
Series 2018 RD USDA	2,115,000	2057
KIA B20-004	839,232	2041
KIA F16-004	2,897,348	2041
Total	\$ 9,891,080	

X. CONTACTS

Legal Applicant	
Entity Name	Western Pulaski County Water District
Authorized Official	Don Calder (Chairman)
County	Pulaski
Email	tamora.vaught@gmail.com
Phone	(606) 679-3793
Address	2128 W Hwy 80 Somerset, KY 42503

Applicant Contact	
Name	Joe McClendon
Organization	Western Pulaski County Water District
Email	joe-mcclendon@hotmail.com
Phone	(606) 679-1569
Address	1059 W Hwy 80 Somerset, KY 42503

Consulting Engineer/Project Admin

PE Name	David Bowles
Firm Name	Monarch Engineering Inc.
Email	dbowles@monarchengineering.net
Phone	(502) 839-1310
Address	556 Carlton Dr Lawrenceburg, KY 40342

XI. RECOMMENDATIONS

KIA staff recommends approval of the loan with the standard conditions, and the following special condition.

By August 31, 2022, the Western Pulaski County Water District will need a resolution from the Western Pulaski County Water District Board, demonstrating their intentions to increase revenues as necessary and authorized by the PSC to meet the loan requirements over the life of the loan. The proposed water rate increase currently with PSC case #2021-00445 will exceed the 1.1 debt coverage ratio requirement with the Kentucky Infrastructure Authority.

**WESTERN PULASKI 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>
Balance Sheet								
Assets								
Current Assets	2,907,410	2,876,444	3,005,446	3,597,276	4,719,229	5,591,045	6,299,865	7,102,482
Other Assets	16,450,828	18,117,282	20,052,789	19,543,416	19,034,043	22,923,470	22,312,897	21,702,324
Total	19,358,238	20,993,726	23,058,235	23,140,692	23,753,272	28,514,515	28,612,762	28,804,806
Liabilities & Equity								
Current Liabilities	404,792	759,515	689,894	937,698	953,253	1,201,456	1,096,806	1,077,406
Long Term Liabilities	9,144,256	10,222,892	11,587,333	10,930,188	10,498,724	14,324,457	13,760,340	13,221,223
Total Liabilities	9,549,048	10,982,407	12,277,227	11,867,886	11,451,977	15,525,913	14,857,146	14,298,629
Net Assets	9,809,190	10,011,319	10,781,008	11,272,807	12,301,295	12,988,602	13,755,617	14,506,177
Cash Flow								
Revenues	3,385,440	3,359,390	3,542,581	3,517,727	4,287,712	4,287,712	4,287,712	4,287,712
Operating Expenses	2,355,181	2,594,575	2,663,258	2,689,467	2,716,201	2,754,769	2,782,583	2,810,953
Other Income	129,263	103,246	166,391	128,341	128,341	128,341	128,341	128,341
Cash Flow Before Debt Service	1,159,522	868,061	1,045,714	956,601	1,699,852	1,661,284	1,633,470	1,605,100
Debt Service								
Existing Debt Service	2,459,045	426,522	700,196	362,120	661,500	660,563	666,840	544,674
Proposed KIA Loan	0	0	0	0	0	128,905	257,810	257,810
Total Debt Service	2,459,045	426,522	700,196	362,120	661,500	789,468	924,650	802,484
Cash Flow After Debt Service	(1,299,523)	441,539	345,518	594,481	1,038,352	871,816	708,820	802,616
Ratios								
Current Ratio	7.2	3.8	4.4	3.8	5.0	4.7	5.7	6.6
Debt to Equity	1.0	1.1	1.1	1.1	0.9	1.2	1.1	1.0
Days Sales in Accounts Receivable	41.6	46.3	39.6	39.6	39.6	39.6	39.6	39.6
Months Operating Expenses in Unrestricted Cash	12.3	10.2	11.5	14.0	18.5	22.1	24.9	28.1
Debt Coverage Ratio	0.5	2.0	1.5	2.6	2.6	2.1	1.8	2.0

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF THE WESTERN PULASKI COUNTY WATER DISTRICT PROPOSING ADJUSTMENTS TO ITS WATER RATES AND CHARGES AND AUTHORIZING ITS CHAIRMAN TO FILE AN APPLICATION WITH THE PSC SEEKING APPROVAL OF THE PROPOSED RATE ADJUSTMENT

WHEREAS, the Western Pulaski County Water District (“District”) is a water district created and organized under the provisions of KRS Chapter 74. The District is subject to the jurisdiction of the Kentucky Public Service Commission (“PSC”);

WHEREAS, prudent financial management dictates that the District take appropriate action to adjust its water rates and charges; and

WHEREAS, KRS 278.180 and 807 KAR 5:076 provide the legal mechanism for the District to propose adjustments to its water rates and charges;

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF WESTERN PULASKI COUNTY WATER DISTRICT AS FOLLOWS:

Section 1. The facts, recitals, and statements contained in the foregoing preamble of this Resolution are true and correct and are hereby affirmed and incorporated as a part of this Resolution.

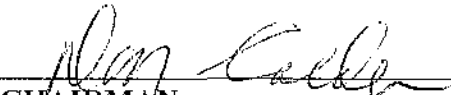
Section 2. The District proposes to adjust its monthly water rates and charges as set forth in **Appendix A**, which is attached hereto and is incorporated herein by reference as a part of this Resolution. The proposed rates and charges set forth in **Appendix A** are subject to any minor adjustments that may be made by the PSC. The proposed rate adjustment shall not become effective until PSC approval has been obtained.

Section 3. The Chairman is hereby authorized and directed to prepare, execute, and file with the PSC, by utilizing the Alternative Rate Adjustment Procedure for Small Utilities set forth in 807 KAR 5:076, an Alternative Rate Filing (“ARF”) Application, Tariff Sheets, and all other documents that may be required by the PSC.

Section 4. The Chairman, Manager, and all others to whom the Chairman may delegate certain responsibilities are hereby further authorized and directed to take any and all other actions and to execute and deliver any and all other documents as may be reasonably necessary to implement this Resolution.

Section 5. This Resolution shall take effect upon its adoption.

ADOPTED BY THE COMMISSION OF WESTERN PULASKI COUNTY WATER DISTRICT
at a meeting held on November 16, 2021, signed by the Chairman, and attested by the Secretary.



CHAIRMAN

ATTEST:



SECRETARY

CERTIFICATION

I, Secretary of the Western Pulaski County Water District (the “District”), do hereby certify that the foregoing is a true copy of a Resolution duly adopted by the District at a meeting properly held on November 16, 2021, signed by the Chairman of the District, attested by me as Secretary, and now in full force and effect.

WITNESS my hand this 16th day of November 2021.



SECRETARY

Appendix A
PROPOSED RATE SCHEDULE
Western Pulaski County Water District

5/8" x 3/4" Meters

First	2,000 gallons	\$ 20.89	Minimum Bill
Over	2,000 gallons	7.50	per 1,000 gallons

1" Meters

First	10,000 gallons	\$ 80.89	Minimum Bill
Over	10,000 gallons	7.50	per 1,000 gallons

1-1/2" Meters

First	15,000 gallons	\$ 118.39	Minimum Bill
Over	15,000 gallons	7.50	per 1,000 gallons

2" Meters

First	20,000 gallons	\$ 155.89	Minimum Bill
Over	20,000 gallons	7.50	per 1,000 gallons

3" Meters

First	30,000 gallons	\$ 230.89	Minimum Bill
Over	30,000 gallons	7.50	per 1,000 gallons

Leak Adjustment

Usage Above Average	\$ 4.78	per 1,000 gallons
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Water Loss Reduction Surcharge

\$ 1.70 per customer per month for 48 months

EXECUTIVE SUMMARY		Reviewer	Alex Fisher	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND B, INFRASTRUCTURE		KIA Loan Number	B22-005	
REVOLVING LOAN FUND		WRIS Number	WX21199137	
BORROWER		BRONSTON WATER ASSOCIATION INC PULASKI COUNTY		
BRIEF DESCRIPTION				
The Bronston Water Association is requesting a Fund B loan in the amount of \$2,743,000 for the 2022 Water System Improvements and Replacements project. This project will rehabilitate an existing 100,000-gallon elevated water storage tank, install 1,900 radio read meters and reduce excessive water loss by replacing more than 47,000 LF of various sized water line.				
PROJECT FINANCING		PROJECT BUDGET		
Fund B Loan	\$2,743,000	RD Fee %	Actual %	
		Administrative Expenses		\$15,000
		Legal Expenses		10,000
		Eng - Design / Const	7.5%	7.5%
		Eng - Insp	4.4%	4.4%
		Eng - Other		24,000
		Construction		2,189,750
		Contingency		219,250
TOTAL	\$2,743,000	TOTAL		\$2,743,000
REPAYMENT	Rate	0.25%	Est. Annual Payment	\$146,179
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Inc		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Mar-23		
	Construction Start	May-23		
	Construction Stop	Feb-24		
DEBT PER CUSTOMER	Existing	\$2,156		
	Proposed	\$3,499		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>	
		1,864	\$40.65	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	315,047	140,183	174,864	2.2
Audited 2020	230,641	166,575	64,066	1.4
Audited 2021	330,554	162,104	168,450	2.0
Projected 2022	325,338	175,975	149,363	1.8
Projected 2023	451,557	175,975	275,582	2.6
Projected 2024	439,231	332,560	106,671	1.3
Projected 2025	433,696	307,590	126,106	1.4
Projected 2026	428,050	332,561	95,489	1.3

Reviewer: Alex Fisher
Date: July 7, 2022
Loan Number: B22-005

**KENTUCKY INFRASTRUCTURE AUTHORITY
INFRASTRUCTURE REVOLVING LOAN FUND (FUND B)
BRONSTON WATER ASSOCIATION INC, PULASKI COUNTY
PROJECT REVIEW
WX21199137**

I. PROJECT DESCRIPTION

The Bronston Water Association is requesting a Fund B loan in the amount of \$2,743,000 for the 2022 Water System Improvements and Replacements project. This project will rehabilitate an existing 100,000-gallon elevated water storage tank, install 1,900 radio read meters and reduce excessive water loss by replacing more than 47,000 LF of various sized water line.

Thousands of linear feet of PVC that will be replaced are shown below.

- 8" PVC 1,000 LF extension along Colyer Rd.
- 6" PVC 10,500 LF along Ky Hwy 790 in Wayne County and Island Dr. in Pulaski County
- 4" PVC 3,000 LF along Gibson Ln in Pulaski County
- 3" PVC 33,550 LF along Rocky Point Rd, Riverwood Dr, Sugar Hollow Rd, Flynn Rd, Ruth Rd, Cedar Bluff Shores, Timberlake Dr and Old Decker Rd in both counties

The Bronston Water Association serves 1,796 residential and 68 commercial customers.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 15,000
Legal Expenses	10,000
Engineering Fees - Design	180,000
Engineering Fees - Inspection	105,000
Engineering Fees - Other	24,000
Construction	2,189,750
Contingency	219,250
Total	\$ 2,743,000

III. PROJECT FUNDING

	Amount	%
Fund B Loan	\$ 2,743,000	100%
Total	\$ 2,743,000	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 2,743,000
Less: Principal Forgiveness	0
Amortized Loan Amount	\$ 2,743,000
Interest Rate	0.25%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 140,693
Administrative Fee (0.20%)	5,486
Total Estimated Annual Debt Service	\$ 146,179

V. PROJECT SCHEDULE

Bid Opening	March 2023
Construction Start	May 2023
Construction Stop	February 2024

VI. RATE STRUCTURE

A. Customers

Customers	Current
Residential	1,796
Commercial	68
Industrial	0
Total	1,864

B. Rates

WATER	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	02/10/21	4/19/2017
Minimum (1,500 gallons)	\$25.67	\$22.20	\$21.14
Over 1,500 gallons	21.33	18.45	18.45
Cost for 4,000 gallons	\$47.00	\$40.65	\$39.59
Increase %	15.6%	2.7%	
Affordability Index (Rate/MHI)	1.5%	1.3%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 3,146 with a Median Household Income (MHI) of \$37,785. The median household income for the Commonwealth is \$50,589. The project will qualify for a 0.25% interest rate with a 20-year loan term.

VIII. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended June 30, 2019 through June 30, 2021. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased 1.7% from \$835,949 in 2019 to \$849,860 in 2021 while operating expenses decreased 8.2% from \$284,028 to \$260,784 during the same period primarily due to the elimination of merchant fees. Consolidated cash flow before debt service averaged \$292,081 in the 3 audited years. The debt coverage ratio was 2.2, 1.4, and 2.0 in 2019, 2020, and 2021 respectively.

The balance sheet reflects a current ratio of 9.6, a debt-to-equity ratio of 1.0, 29.7 days of sales in accounts receivable, and 5.8 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Revenues are proposed to increase 15.6% as shown above under the rates section. All other projected years are flat.
- 2) Expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 1.3 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 Bronston Water Association is regulated by the Public Service Commission and will need to apply to the Public Service Commission (PSC), pursuant to KRS 278.300, for debt authorization for the \$2.743 million loan and District must receive a Certificate of Public Convenience and Necessity (CPCN), pursuant to KRS 278.020.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$138,000 total) of the final amount borrowed to be funded annually (\$6,900 yearly) each December 1 for 20 years and maintained for the life of the loan.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
2003 USDA RUS	\$ 315,597	2043
2008 USDA RUS	719,467	2048
2010 USDA RUS	388,094	2050
2014 USDA RUS	712,317	2054
2017 USDA RUS	1,329,072	2057
2021 USDA RUS	555,000	2061
Total	\$ 4,019,547	

X. CONTACTS

Legal Applicant	
Entity Name	Bronston Water Association Inc
Authorized Official	Eric Keith (President)
County	Pulaski
Email	bronstonwater@gmail.com
Phone	(606) 561-5209
Address	PO Box 243 2013 Hwy 90 Bronston, KY 42518

Applicant Contact	
Name	JC New
Organization	Bronston Water Association
Email	bronstonwater@gmail.com
Phone	(606) 561-5209
Address	PO Box 243 Bronston, KY 42518

Project Administrator

Name	Deron Byrne
Organization	Monarch Engineering, Inc
Email	dbyrne@monarchengineering.net
Phone	(502) 839-1310
Address	556 Carlton Dr. Lawrenceburg, KY 40342

Consulting Engineer

PE Name	David Bowles
Firm Name	Monarch Engineering, Inc
Email	dbowles@monarchengineering.net
Phone	(502) 839-1310
Address	556 Carlton Dr. Lawrenceburg, KY 40342

XI. RECOMMENDATIONS

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

BRONSTON WATER ASSOCIATION INC
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>
Balance Sheet								
Assets								
Current Assets	1,101,842	1,078,241	1,218,924	1,352,174	1,638,456	1,745,127	1,871,233	1,966,722
Other Assets	6,772,657	6,587,196	7,036,495	6,804,915	6,573,335	9,023,080	8,729,825	8,436,570
Total	7,874,499	7,665,437	8,255,419	8,157,089	8,211,791	10,768,207	10,601,058	10,403,292
Liabilities & Equity								
Current Liabilities	92,513	124,734	127,475	131,878	144,864	284,842	287,739	290,707
Long Term Liabilities	3,660,874	3,558,609	4,032,119	3,962,095	3,872,398	6,386,223	6,154,651	5,920,611
Total Liabilities	3,753,387	3,683,343	4,159,594	4,093,973	4,017,262	6,671,065	6,442,390	6,211,318
Net Assets	4,121,112	3,982,094	4,095,825	4,063,116	4,194,529	4,097,142	4,158,668	4,191,974
Cash Flow								
Revenues	835,949	816,494	849,860	849,860	981,399	981,399	981,399	981,399
Operating Expenses	527,111	589,781	521,483	526,699	532,019	544,345	549,880	555,526
Other Income	6,209	3,928	2,177	2,177	2,177	2,177	2,177	2,177
Cash Flow Before Debt Service	315,047	230,641	330,554	325,338	451,557	439,231	433,696	428,050
Debt Service								
Existing Debt Service	140,183	166,575	162,104	175,975	175,975	186,381	161,411	186,382
Proposed KIA Loan	0	0	0	0	0	146,179	146,179	146,179
Total Debt Service	140,183	166,575	162,104	175,975	175,975	332,560	307,590	332,561
Cash Flow After Debt Service	174,864	64,066	168,450	149,363	275,582	106,671	126,106	95,489
Ratios								
Current Ratio	11.9	8.6	9.6	10.3	11.3	6.1	6.5	6.8
Debt to Equity	0.9	0.9	1.0	1.0	1.0	1.6	1.5	1.5
Days Sales in Accounts Receivable	29.9	31.9	29.7	29.8	29.8	29.8	29.8	29.8
Months Operating Expenses in Unrestricted Cash	4.1	3.2	5.8	9.1	15.2	17.5	20.1	22.0
Debt Coverage Ratio	2.2	1.4	2.0	1.8	2.6	1.3	1.4	1.3

EXECUTIVE SUMMARY		Reviewer	Alex Fisher	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND C, GOVERNMENTAL AGENCIES FUND		KIA Loan Number	C22-002	
REVOLVING LOAN FUND		WRIS Number	WX21199147	
BORROWER	CITY OF SOMERSET PULASKI COUNTY			
BRIEF DESCRIPTION				
The City of Somerset ("City") is requesting a Fund C loan in the amount of \$2,500,120 for the Water Treatment Plant Membrane Filtration Replacement project. This project will replace the full water treatment plant membrane filtration treatment system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund C Loan	\$2,500,120	RD Fee %	Actual %	
		Administrative Expenses		\$500
		Construction		2,272,320
		Contingency		227,300
TOTAL	\$2,500,120	TOTAL		\$2,500,120
REPAYMENT	Rate	2.00%	Est. Annual Payment	\$282,090
	Term	10 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES				
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE				
	Bid Opening	Jul-22		
	Construction Start	Jul-23		
	Construction Stop	Jan-24		
DEBT PER CUSTOMER	Existing	\$1,737		
	Proposed	\$1,832		
OTHER DEBT	See Attached			
RESIDENTIAL RATES				
	Current	<u>Users</u>	<u>Avg. Bill</u>	
		9,337	\$17.59	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	3,730,172	1,341,139	2,389,033	2.8
Audited 2020	3,585,314	1,049,460	2,535,854	3.4
Audited 2021	3,311,770	4,468,066	(1,156,296)	0.7
Projected 2022	3,375,634	956,206	2,419,428	3.5
Projected 2023	3,581,252	877,162	2,704,090	4.1
Projected 2024	3,638,005	1,012,845	2,625,161	3.6
Projected 2025	3,708,644	1,145,263	2,563,381	3.2
Projected 2026	3,780,695	1,105,259	2,675,436	3.4

Reviewer: Alex Fisher
Date: July 7, 2022
Loan Number: C22-002

**KENTUCKY INFRASTRUCTURE AUTHORITY
GOVERNMENTAL AGENCIES LOAN FUND (FUND C)
CITY OF SOMERSET, PULASKI COUNTY
PROJECT REVIEW
WX21199147**

I. PROJECT DESCRIPTION

The City of Somerset (“City”) is requesting a Fund C loan in the amount of \$2,500,120 for the Water Treatment Plant Membrane Filtration Replacement project. This project will replace the full water treatment plant membrane filtration treatment system.

The water treatment plant membrane filtration is in its ninth year of operation with a normal effective life of ten years. The order lead time is at least a year, along with replacement period combined creates a more urgent need for funding to address this maintenance issue. The ZW system includes 5 trains, 6 x ZW1000 48/60M cassettes with 450ft² CPx membrane modules.

The City of Somerset serves over 7,100 residential and 2,200 commercial, industrial and wholesale customers.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 500
Construction	2,272,320
Contingency	227,300
Total	\$ 2,500,120

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund C Loan	\$ 2,500,120	100%
Total	\$ 2,500,120	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 2,500,120
Less: Principal Forgiveness	<u>0</u>
Amortized Loan Amount	\$ 2,500,120
Interest Rate	2.00%
Loan Term (Years)	<u>10</u>
Estimated Annual Debt Service	\$ 277,090
Administrative Fee (0.20%)	<u>5,000</u>
Total Estimated Annual Debt Service	\$ 282,090

V. PROJECT SCHEDULE

Bid Opening	July 2022
Construction Start	July 2023
Construction Stop	January 2024

VI. RATE STRUCTURE

A. Customers

Customers	Current
Residential	7,119
Commercial	2,204
Industrial	<u>14</u>
Total	9,337

B. Rates

	Water Inside City		
	Proposed	Current	Prior
Date of Last Rate Increase	07/01/22	07/01/21	07/01/17
Minimum 1,000 Gallons	\$8.68	\$8.29	\$8.10
Next 9,000 Gallons (per 100 Gallons)	\$0.32	\$0.31	\$0.30
Cost for 4,000 gallons	\$18.28	\$17.59	\$17.10
Increase %	3.9%	2.9%	
Affordability Index (Rate/MHI)	0.7%	0.7%	

	Water Outside City		
	Proposed	Current	Prior
Date of Last Rate Increase	07/01/22	07/01/21	07/01/17
Minimum 1,000 Gallons	\$15.07	\$14.39	\$14.07
Next 9,000 Gallons (per 100 Gallons)	\$0.57	\$0.54	\$0.53
Cost for 4,000 gallons	\$32.17	\$30.59	\$29.97
Increase %	5.2%	2.1%	
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 18,282 with a Median Household Income (MHI) of \$31,813. The median household income for the Commonwealth is \$50,589. The project will qualify for a 2.00% interest rate with a 10-year loan term.

VIII. 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. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Water revenues decreased 3.0% from \$7.58 million in 2019 to \$7.35 in 2021 while operating expenses increased 4.6% from \$3.88 million to \$4.06 million during the same period primarily due to increased wages and supply expenses. Consolidated cash flow before debt service averaged \$3.54 million in the 3 audited years. The debt coverage ratio was 2.8, 3.4, and 0.7 in 2019, 2020, and 2021 respectively.

The balance sheet reflects a current ratio of 13.4, a debt-to-equity ratio of 0.5, 35.7 days of sales in accounts receivable, and 10.2 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues are projected to increase 3.9% for fiscal year 2023 and 2% annually due to the City's Consumer Price Index annual Cost of Living Adjustment.
- 2) Expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 3.6 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 C loan.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$125,000 total) of the final amount borrowed to be funded annually (\$12,500 yearly) each December 1 for 10 years and maintained for the life of the loan.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
Series 2012A	\$ 7,883,500	2052
Series 2012B	4,379,500	2052
Cumberland Valley Note	47,201	2022
Monticello Bank	48,816	2026
Series 2021 GO Bonds	3,296,000	2041
Citizens National Bank	18,301	2024
Citizens National Bank	206,150	2026
Cumberland Security Note	20,765	2024
Series 2021 Bond Premium	318,682	TBD
Total	\$16,218,915	

X. CONTACTS

Legal Applicant	
Entity Name	City of Somerset
Authorized Official	Alan Keck (Mayor)
County	Pulaski
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Applicant Contact

Name	Nick Bradley
Organization	City of Somerset
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Phone	(606) 679-6366
Address	306 E Mt. Vernon St. Somerset, KY 42501

Project Administrator

Name	Dana Whitis
Organization	City of Somerset
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Phone	(606) 425-5364
Address	306 E Mt. Vernon St. Somerset, KY 42501

XI. RECOMMENDATIONS

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

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

	<u>Audited 2019</u>	<u>Audited 2020</u>	<u>Audited 2021</u>	<u>Projected 2022</u>	<u>Projected 2023</u>	<u>Projected 2024</u>	<u>Projected 2025</u>	<u>Projected 2026</u>
Balance Sheet								
Assets								
Current Assets	10,583,790	11,170,677	11,039,181	13,073,082	15,805,372	18,445,533	21,024,214	23,715,350
Other Assets	49,587,120	48,726,665	49,166,946	47,625,544	46,084,142	46,992,857	45,401,452	43,810,047
Total	60,170,910	59,897,342	60,206,127	60,698,626	61,889,514	65,438,390	66,425,666	67,525,397
Liabilities & Equity								
Current Liabilities	864,511	806,991	824,582	784,538	795,901	1,054,135	1,030,969	1,031,174
Long Term Liabilities	19,917,128	19,779,462	19,978,541	19,430,598	18,901,975	20,618,037	19,859,945	19,104,548
Total Liabilities	20,781,639	20,586,453	20,803,123	20,215,136	19,697,875	21,672,172	20,890,914	20,135,722
Net Assets	39,389,271	39,310,889	39,403,004	40,483,490	42,191,639	43,766,218	45,534,752	47,389,675
Cash Flow								
Revenues	7,575,077	7,586,233	7,348,421	7,493,392	7,781,739	7,935,376	8,092,086	8,251,930
Operating Expenses	3,876,579	4,033,420	4,055,351	4,136,458	4,219,187	4,316,071	4,402,142	4,489,935
Other Income	31,674	32,501	18,700	18,700	18,700	18,700	18,700	18,700
Cash Flow Before Debt Service	3,730,172	3,585,314	3,311,770	3,375,634	3,581,252	3,638,005	3,708,644	3,780,695
Debt Service								
Existing Debt Service	1,341,139	1,049,460	4,468,066	956,206	877,162	871,800	863,173	823,169
Proposed KIA Loan	0	0	0	0	0	141,045	282,090	282,090
Total Debt Service	1,341,139	1,049,460	4,468,066	956,206	877,162	1,012,845	1,145,263	1,105,259
Cash Flow After Debt Service	2,389,033	2,535,854	(1,156,296)	2,419,428	2,704,090	2,625,161	2,563,381	2,675,436
Ratios								
Current Ratio	12.2	13.8	13.4	16.7	19.9	17.5	20.4	23.0
Debt to Equity	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4
Days Sales in Accounts Receivable	38.3	33.6	35.7	35.7	35.7	35.7	35.7	35.7
Months Operating Expenses in Unrestricted Cash	13.2	10.4	10.2	17.0	24.4	31.2	37.6	44.0
Debt Coverage Ratio	2.8	3.4	0.7	3.5	4.1	3.6	3.2	3.4

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY FUND F, FEDERALLY ASSISTED DRINKING WATER REVOLVING LOAN FUND		Reviewer	Alex Fisher	
		Date	June 14, 2022	
		KIA Loan Number	F21-060 (Increase)	
		WRIS Number	WX21113037	
BORROWER	CITY OF WILMORE JESSAMINE COUNTY			
BRIEF DESCRIPTION				
<p>The City of Wilmore is requesting a Fund F loan increase of \$10,250 to supplement the Wilmore Elevated Storage Tank Rehabilitation project initially approved on May 6, 2021, which will bring the new total Kentucky Infrastructure Authority (KIA) loan amount up to \$1,004,898. The director level increase is due to the lowest bid being higher than the estimated budget.</p> <p>Original Project Description:</p> <p>The City of Wilmore ("City") is requesting a Fund F loan in the amount of \$994,648 for the Wilmore Elevated Storage Tank Rehabilitation project.</p> <p>The project consists of the inspection and rehabilitation of the 500,000 gallon elevated Asbury Tank and inspection and repair of the 500,000 gallon elevated Thomas-Hood Veterans Center Tank for the City of Wilmore, KY. Work is anticipated to include removal/application of interior and exterior coating systems, structural repairs and OSHA complaint upgrades. It is further anticipated that the Asbury Tank will require lead paint abatement.</p> <p>Currently the City of Wilmore serves 1,944 residential and over 84 commercial customers.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund F Loan	\$1,004,898	RD Fee %	Actual %	
TOTAL	\$1,004,898	TOTAL		\$1,004,898
REPAYMENT	Rate	2.00%	Est. Annual Payment	\$63,722
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Mar-22		
	Construction Start	Apr-22		
	Construction Stop	Oct-22		
DEBT PER CUSTOMER	Existing	\$1,708		
	Proposed	\$2,206		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		2,028	\$25.74	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	1,474,631	159,469	1,315,162	9.2
Audited 2020	1,471,028	160,392	1,310,636	9.2
Audited 2021	1,402,191	195,784	1,206,407	7.2
Projected 2022	1,388,199	197,722	1,190,477	7.0
Projected 2023	1,373,927	228,804	1,145,123	6.0
Projected 2024	1,356,870	260,287	1,096,583	5.2
Projected 2025	1,342,022	260,775	1,081,247	5.1
Projected 2026	1,326,877	261,105	1,065,772	5.1

Reviewer: Alex Fisher
Date: June 14, 2022
Loan Number: F21-060 Increase

**KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER STATE REVOLVING FUND (FUND F)
CITY OF WILMORE, JESSAMINE COUNTY
PROJECT REVIEW
WX21113037**

I. PROJECT DESCRIPTION

The City of Wilmore is requesting a Fund F loan increase of \$10,250 to supplement the Wilmore Elevated Storage Tank Rehabilitation project initially approved on May 6, 2021, which will bring the new total Kentucky Infrastructure Authority (KIA) loan amount up to \$1,004,898. The director level increase is due to the lowest bid being higher than the estimated budget.

Original Project Description:

The City of Wilmore (“City”) is requesting a Fund F loan in the amount of \$994,648 for the Wilmore Elevated Storage Tank Rehabilitation project.

The project consists of the inspection and rehabilitation of the 500,000-gallon elevated Asbury Tank and inspection and repair of the 500,000-gallon elevated Thomas-Hood Veterans Center Tank for the City of Wilmore, KY. Work is anticipated to include removal/application of interior and exterior coating systems, structural repairs and OSHA complaint upgrades. It is further anticipated that the Asbury Tank will require lead paint abatement.

Currently the City of Wilmore serves 1,944 residential and over 84 commercial customers.

II. PROJECT BUDGET

	Total
Administrative Expenses	\$ 11,000
Engineering Fees - Design	57,430
Engineering Fees - Construction	14,360
Engineering Fees - Inspection	47,275
Engineering Fees - Other	10,000
Construction	862,750
Contingency	2,083
Total	\$ 1,004,898

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund F Loan	\$ 1,004,898	100%
Total	\$ 1,004,898	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 1,004,898
Less: Principal Forgiveness	<u>0</u>
Amortized Loan Amount	\$ 1,004,898
Interest Rate	2.00%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 61,210
Administrative Fee (0.25%)	<u>2,512</u>
Total Estimated Annual Debt Service	\$ 63,722

V. PROJECT SCHEDULE

Bid Opening	March 2022
Construction Start	April 2022
Construction Stop	October 2022

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

<u>Customers</u>	<u>Current</u>
Residential	1,944
Commercial	84
Industrial	<u>0</u>
Total	2,028

B) Rates

Inside the City Water	Proposed	Current	Prior
Date of Last Rate Increase	07/15/22	07/15/21	7/15/2020
Minimum (2,000 Gallons)	\$11.75	\$11.52	\$ 11.29
Next 2,000 Gallons	7.25	7.11	6.97
Cost for 4,000 gallons	\$26.25	\$25.74	\$ 25.23
Increase %	2.0%	2.0%	
Affordability Index (Rate/MHI)	0.6%	0.6%	

Outside the City Water	Proposed	Current	Prior
Date of Last Rate Increase	07/15/22	07/15/21	7/15/2020
Minimum (2,000 Gallons)	\$17.99	\$17.76	\$ 17.41
Next 2,000 Gallons	7.57	7.43	7.28
Cost for 4,000 gallons	\$33.13	\$32.62	\$ 31.97
Increase %	1.6%	2.0%	
Affordability Index (Rate/MHI)	0.8%	0.8%	

Sewer	Proposed	Current	Prior
Date of Last Rate Increase	07/15/22	07/15/21	7/15/2020
Minimum (2,000 Gallons)	\$15.06	\$14.76	\$ 14.47
Next 2,000 Gallons	8.14	7.98	7.82
Cost for 4,000 gallons	\$31.34	\$30.72	\$ 30.11
Increase %	2.0%	2.0%	
Affordability Index (Rate/MHI)	0.8%	0.7%	

VII. DEMOGRAPHICS

Based on Census data from the American Community Survey 5-Year Estimate 2014-2018, the Utility's service area population was 6,428 with a Median Household Income (MHI) of \$49,386. The median household income for the Commonwealth is \$48,392. The project will qualify for a 20-year loan term at 2.00% interest rate.

VIII. 2020 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a "green" requirement.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

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. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues decreased 1% from \$1.76 million in 2019 to \$1.74 in 2021 while operating expenses increased 2% from \$1.55 million to \$1.58 million during the same period primarily due to the increased utility expenses for both water and sewer. The debt coverage ratio was 9.2, 9.2, and 7.2 in 2019, 2020, and 2021 respectively.

The balance sheet reflects a current ratio of 4.5, a debt-to-equity ratio of 0.6, 52.6 days of sales in accounts receivable, and 7.0 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues will continue to rise 2% annually, which is consistent with the past 12 years that rates have continued to increase 2% each year.
- 2) Expenses will increase 2% annually due to inflation.
- 3) Debt service coverage is 6.0 in 2023 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% (\$50,000 total) of the final amount borrowed 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>
Revenue Bond 2000A	\$ 1,236,000	2040
RD Loan #1	1,845,000	2057
RD Loan #2	383,000	2057
Total	\$ 3,464,000	

XI. CONTACTS

Legal Applicant

Entity Name	City of Wilmore
Authorized Official	Harold Rainwater (Mayor)
County	Jessamine
Email	hrainwater@wilmore.org
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Applicant Contact

Name	Dave Carlstedt
Organization	City of Wilmore
Email	dcarlstedt@wilmore.org
Phone	(859) 277-2565
Address	335 East Main St. Wilmore, KY 40390

Project Administrator

Name	Robert Casher
Organization	Bluegrass Area Development District
Email	bcasher@bgadd.org
Phone	(859) 269-8021
Address	699 Perimeter Dr. Lexington, KY 40517

Consulting Engineer

PE Name	Joe Henry
Firm Name	GRW Engineers, Inc.
Email	jhenry@grwinc.com
Phone	(859) 223-3999
Address	801 Corporate Dr. Lexington, KY 40503

XII. RECOMMENDATIONS

KIA staff recommends approval of the director level loan increase with the standard conditions.

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

	<u>Audited 2019</u>	<u>Audited 2020</u>	<u>Audited 2021</u>	<u>Projected 2022</u>	<u>Projected 2023</u>	<u>Projected 2024</u>	<u>Projected 2025</u>	<u>Projected 2026</u>
Balance Sheet								
Assets								
Current Assets	1,348,257	1,475,958	1,549,679	2,366,173	3,513,896	4,613,079	5,697,026	6,765,498
Other Assets	14,477,380	14,064,274	14,149,580	13,697,714	14,225,624	13,751,136	13,276,648	12,802,160
Total	15,825,637	15,540,232	15,699,259	16,063,887	17,739,520	18,364,215	18,973,674	19,567,658
Liabilities & Equity								
Current Liabilities	311,484	335,851	346,330	350,434	355,034	410,979	416,679	422,379
Long Term Liabilities	5,283,027	5,473,005	5,543,722	5,543,722	6,548,620	6,448,130	6,347,640	6,247,151
Total Liabilities	5,594,511	5,808,856	5,890,052	5,894,156	6,903,654	6,859,109	6,764,319	6,669,530
Net Assets	10,231,126	9,731,376	9,809,207	10,169,731	10,835,866	11,505,106	12,209,355	12,898,129
Cash Flow								
Revenues	1,756,973	1,886,707	1,738,663	1,756,237	1,774,162	1,792,446	1,811,096	1,830,119
Operating Expenses	1,547,171	1,688,151	1,578,294	1,609,860	1,642,057	1,677,398	1,710,896	1,745,064
Other Income	1,264,829	1,272,472	1,241,822	1,241,822	1,241,822	1,241,822	1,241,822	1,241,822
Cash Flow Before Debt Service	1,474,631	1,471,028	1,402,191	1,388,199	1,373,927	1,356,870	1,342,022	1,326,877
Debt Service								
Existing Debt Service	159,469	160,392	195,784	197,722	196,943	196,565	197,053	197,383
Proposed KIA Loan	0	0	0	0	31,861	63,722	63,722	63,722
Total Debt Service	159,469	160,392	195,784	197,722	228,804	260,287	260,775	261,105
Cash Flow After Debt Service	1,315,162	1,310,636	1,206,407	1,190,477	1,145,123	1,096,583	1,081,247	1,065,772
Ratios								
Current Ratio	4.3	4.4	4.5	6.8	9.9	11.2	13.7	16.0
Debt to Equity	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5
Days Sales in Accounts Receivable	48.4	46.4	52.6	52.6	52.6	52.6	52.6	52.6
Months Operating Expenses in Unrestricted Cash	5.7	6.0	7.0	15.8	23.8	31.2	38.2	44.8
Debt Coverage Ratio	9.2	9.2	7.2	7.0	6.0	5.2	5.1	5.1

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND F, FEDERALLY ASSISTED DRINKING WATER		KIA Loan Number	F22-019	
REVOLVING LOAN FUND		WRIS Number	WX21017022	
BORROWER	CITY OF PARIS BOURBON COUNTY			
BRIEF DESCRIPTION				
<p>The City of Paris is requesting a Fund F loan in the amount of \$3,275,000 for the Paris Water System Improvements project. This project will consist of replacing or rehabilitating aging infrastructure within the City's water system and making various improvements at the Water Treatment Plant. Most of the equipment was constructed in 1960 and is still original. Public safety will be improved by replacing chlorine gas disinfection with a much safer alternative in sodium hypochlorite. In the distribution system, the finished water transmission main will be relocated away from existing diesel tanks at the City's power plant.</p>				
PROJECT FINANCING		PROJECT BUDGET		
Fund F Loan	\$3,275,000	RD Fee %	Actual %	
				Administrative Expenses \$40,000
				Legal Expenses 10,000
				Planning 20,000
		Eng - Design / Const 7.3%	7.0%	195,000
		Eng - Insp 5.2%	5.0%	140,000
		Eng - Other		82,000
		Construction		2,650,000
		Contingency		138,000
TOTAL	\$3,275,000	TOTAL		\$3,275,000
REPAYMENT	Rate	1.00%	Est. Annual Payment	\$189,266
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers, Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Oct-22		
	Construction Start	Jan-23		
	Construction Stop	Jan-24		
DEBT PER CUSTOMER	Existing	\$877		
	Proposed	\$1,398		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	Users	Avg. Bill	
		5,151	\$14.78 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	198,553	584,223	(385,670)	0.3
Audited 2020	28,328	590,299	(561,971)	0.0
Audited 2021	346,039	388,766	(42,727)	0.9
Projected 2022	505,569	198,853	306,716	2.5
Projected 2023	598,659	215,976	382,683	2.8
Projected 2024	835,614	406,700	428,914	2.1
Projected 2025	761,211	577,771	183,440	1.3
Projected 2026	693,684	576,526	117,158	1.2

Reviewer: John Brady
Date: July 7, 2022
Loan Number: F22-019

**KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER STATE REVOLVING FUND (FUND F)
CITY OF PARIS, BOURBON COUNTY
PROJECT REVIEW
WX21017022**

I. PROJECT DESCRIPTION

The City of Paris (the City) is requesting a Fund F loan in the amount of \$3,275,000 for the Paris Water System Improvements project. This project will consist of replacing or rehabilitating aging infrastructure within the City's water system and making various improvements at the Water Treatment Plant. Most of the equipment was constructed in 1960 and is still original. Public safety will be improved by replacing chlorine gas disinfection with a much safer alternative in sodium hypochlorite. In the distribution system, the finished water transmission main will be relocated away from existing diesel tanks at the City's power plant.

The City currently serves 4,710 residential customers and 440 commercial customers. Kentucky American Water purchases water from the City and in turn provides service to the City of Millersburg.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 40,000
Legal Expenses	10,000
Planning	20,000
Engineering Fees - Design	155,000
Engineering Fees - Construction	40,000
Engineering Fees - Inspection	140,000
Engineering Fees - Other	82,000
Construction	2,650,000
Contingency	138,000
Total	\$ 3,275,000

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund F Loan	\$ 3,275,000	100%
Total	\$ 3,275,000	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 3,275,000
Less: Principal Forgiveness	0
Amortized Loan Amount	<u>\$ 3,275,000</u>
Interest Rate	1.00%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 181,078
Administrative Fee (0.25%)	<u>8,188</u>
Total Estimated Annual Debt Service	\$ 189,266

V. PROJECT SCHEDULE

Bid Opening	October 2022
Construction Start	January 2023
Construction Stop	January 2024

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

Customers	Current
Residential	4,710
Commercial	440
Wholesale	<u>1</u>
Total	5,151

B) Rates

Water	Inside City		
	Proposed	Current	Prior
Date of Last Rate Increase	07/01/22	07/01/21	02/01/13
Minimum (2,000 gallons)	\$9.10	\$8.70	\$8.34
Next 8,000 gallons (per 1,000)	<u>3.34</u>	<u>3.04</u>	<u>2.85</u>
Cost for 4,000 gallons	\$15.78	\$14.78	\$14.04
Increase %	6.8%	5.3%	
Affordability Index (Rate/MHI)	0.4%	0.4%	0.4%

Water	Outside City		
	Proposed	Current	Prior
Date of Last Rate Increase	07/01/22	07/01/21	02/01/13
Minimum (2,000 gallons)	\$12.74	\$12.18	\$11.68
Next 8,000 gallons (per 1,000)	4.67	4.25	3.99
Cost for 4,000 gallons	\$22.08	\$20.68	\$19.66
Increase %	6.8%	5.2%	
Affordability Index (Rate/MHI)	0.6%	0.5%	0.5%

Sewer	Inside City		
	Proposed	Current	Prior
Date of Last Rate Increase	07/01/22	07/01/21	01/01/09
Minimum (2,000 gallons)	\$11.90	\$11.60	\$10.66
Over 2,000 gallons (per 1,000)	5.82	5.70	5.33
Cost for 4,000 gallons	\$23.54	\$23.00	\$21.32
Increase %	2.3%	7.9%	
Affordability Index (Rate/MHI)	0.6%	0.6%	0.6%

Sewer	Outside City		
	Proposed	Current	Prior
Date of Last Rate Increase	07/01/22	07/01/21	01/01/09
Minimum (2,000 gallons)	\$12.10	\$11.70	\$10.66
Over 2,000 gallons (per 1,000)	5.82	5.70	5.33
Cost for 4,000 gallons	\$23.74	\$23.10	\$21.32
Increase %	2.8%	8.3%	
Affordability Index (Rate/MHI)	0.6%	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 12,483 with a Median Household Income (MHI) of \$45,134. The median household income for the Commonwealth is \$50,589. The project will qualify for a 1.00% interest rate.

VIII. 2020 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a "green" requirement.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

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. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Combined water and sewer revenues increased 5.5% from \$3.27 million in 2019 to \$3.45 million in 2021 due to a concentration on water loss calculations and identifying missed billing opportunities. Operating expenses increased 0.7% from \$3.10 million to \$3.12 million during the same period. The debt coverage ratio was 0.3, 0.0, and 0.9 in 2019, 2020, and 2021.

The balance sheet reflects a current ratio of 1.1, a debt to equity ratio of 25.0, 38.8 days of sales in accounts receivables, and 0.9 months operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues will increase 4.9% in 2022 due to an existing rate increase. They will increase 6.3% in 2023 and 4.8% in 2024 due to proposed rate increases.
- 2) Sewer revenues will increase 7.9% in 2022 due to an existing rate increase. They will increase 2.3% in 2023 and 10.9% in 2024 due to proposed rate increases.
- 3) Operating expenses will increase 2% annually due to inflation.
- 4) Debt service coverage is 1.3 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% (\$164,000 total) of the final amount borrowed to be funded annually (\$8,200 yearly) each December 1 for 20 years and maintained for the life of the loan.

X. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
2014 Revenue Bonds	\$ 276,000	2054
US Bank Note	2,500,000	2044
KBC Note	<u>1,449,995</u>	2032
Total	\$ 4,225,995	

XI. CONTACTS

Legal Applicant	
Entity Name	City of Paris
Authorized Official	Johnny Plummer (Mayor)
County	Bourbon
Email	mayorplummer@paris.ky.gov
Phone	(859) 987-2110
Address	525 High St Paris, KY 40361

Applicant Contact	
Name	Brad Oberlander
Organization	City of Paris
Email	boberlander@paris.ky.gov
Phone	(859) 552-3342
Address	525 High St Paris, KY 40361

Project Administrator	
Name	Karyn Leverenz
Organization	Bluegrass ADD
Email	kleverenz@bgadd.org
Phone	(859) 269-8021
Address	699 Perimeter Dr Lexington, KY 40517

Consulting Engineer

PE Name	Chris Stewart
Firm Name	HMB Professional Engineers, Inc.
Email	castewart@hmbpe.com
Phone	(502) 695-9800
Address	3 HMB Circle Frankfort, KY 40601

XII. RECOMMENDATIONS

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

CITY OF PARIS
FINANCIAL SUMMARY (JUNE 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>
Balance Sheet								
Assets								
Current Assets	1,732,938	1,847,816	1,726,626	2,082,759	2,510,742	3,026,856	3,210,296	3,327,454
Other Assets	12,209,560	12,694,885	15,090,385	14,452,709	13,815,033	16,460,557	15,749,206	15,037,855
Total	13,942,498	14,542,701	16,817,011	16,535,468	16,325,775	19,487,413	18,959,502	18,365,309
Liabilities & Equity								
Current Liabilities	1,640,004	1,838,076	1,573,949	1,481,016	1,576,894	1,761,766	1,781,552	1,854,254
Long Term Liabilities	10,413,522	11,326,026	14,595,825	14,208,421	13,989,517	16,871,641	16,470,079	16,007,115
Total Liabilities	12,053,526	13,164,102	16,169,774	15,689,437	15,566,411	18,633,407	18,251,631	17,861,369
Net Assets	1,888,972	1,378,599	647,237	846,031	759,364	854,006	707,871	503,940
Cash Flow								
Revenues	3,273,044	3,281,255	3,452,271	3,674,186	3,830,908	4,132,768	4,132,768	4,132,768
Operating Expenses	3,096,609	3,277,316	3,119,228	3,181,613	3,245,245	3,310,150	3,384,553	3,452,080
Other Income	22,118	24,389	12,996	12,996	12,996	12,996	12,996	12,996
Cash Flow Before Debt Service	198,553	28,328	346,039	505,569	598,659	835,614	761,211	693,684
Debt Service								
Existing Debt Service	584,223	590,299	388,766	198,853	215,976	406,700	388,505	387,260
Proposed KIA Loan	0	0	0	0	0	0	189,266	189,266
Total Debt Service	584,223	590,299	388,766	198,853	215,976	406,700	577,771	576,526
Cash Flow After Debt Service	(385,670)	(561,971)	(42,727)	306,716	382,683	428,914	183,440	117,158
Ratios								
Current Ratio	1.1	1.0	1.1	1.4	1.6	1.7	1.8	1.8
Debt to Equity	6.4	9.5	25.0	18.5	20.5	21.8	25.8	35.4
Days Sales in Accounts Receivable	35.2	35.0	38.8	40.2	42.0	45.3	45.3	45.3
Months Operating Expenses in Unrestricted Cash	1.5	1.5	0.9	2.1	3.5	4.9	5.5	5.8
Debt Coverage Ratio	0.3	0.0	0.9	2.5	2.8	2.1	1.3	1.2

EXECUTIVE SUMMARY		Reviewer	Alex Fisher	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND F, FEDERALLY ASSISTED DRINKING WATER		KIA Loan Number	F22-030	
REVOLVING LOAN FUND		WRIS Number	WX21019057	
BORROWER	CANNONSBURG WATER DISTRICT BOYD COUNTY			
BRIEF DESCRIPTION				
The Cannonsburg Water District is requesting a Fund F loan in the amount of \$1,685,083 for the Phase II – Shoppes Rd Water Line Replacement project. This project will reduce excessive water loss and improve water service to 150-200 customers by replacing asbestos cement water lines and installing sub-zone meters.				
Cannonsburg Water District serves 3,340 residential and 259 commercial, industrial and wholesale customers.				
PROJECT FINANCING		PROJECT BUDGET		
Fund F Loan	\$1,685,083	RD Fee %	Actual %	
Cannonsburg Water	584,000	Administrative Expenses		\$40,000
Cleaner Water Grant 21CWW014	540,517	Legal Expenses		45,000
		Land, Easements		10,000
		Eng - Design / Const	7.5%	6.9%
		Eng - Insp	4.3%	4.1%
		Eng - Other		15,000
		Construction		2,212,600
		Contingency		220,000
TOTAL	\$2,809,600	TOTAL		\$2,809,600
REPAYMENT	Rate	2.00%	Est. Annual Payment	\$106,853
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	May-23		
	Construction Start	Jun-23		
	Construction Stop	Nov-23		
DEBT PER CUSTOMER	Existing	\$495		
	Proposed	\$913		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u> 3,599	<u>Avg. Bill</u> \$44.41	(for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2018	193,356	94,563	98,793	2.0
Audited 2019	374,532	93,274	281,258	4.0
Audited 2020	1,047,998	93,558	954,440	11.2
Projected 2021	1,020,172	97,563	922,609	10.5
Projected 2022	994,411	113,341	881,070	8.8
Projected 2023	963,935	113,605	850,330	8.5
Projected 2024	937,134	221,568	715,566	4.2
Projected 2025	909,797	210,781	699,016	4.3

Reviewer: Alex Fisher
Date: July 7, 2022
Loan Number: F22-030

**KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER STATE REVOLVING FUND (FUND F)
CANNONSBURG WATER DISTRICT, BOYD COUNTY
PROJECT REVIEW
WX21019057**

I. PROJECT DESCRIPTION

The Cannonsburg Water District is requesting a Fund F loan in the amount of \$1,685,083 for the Phase II – Shoppes Rd Water Line Replacement project. This project will reduce excessive water loss and improve water service to 150-200 customers by replacing asbestos cement water lines and installing sub-zone meters.

Cannonsburg Water District serves 3,340 residential and 259 commercial, industrial and wholesale customers.

II. PROJECT BUDGET

	Total
Administrative Expenses	\$ 40,000
Legal Expenses	45,000
Land, Easements	10,000
Engineering Fees - Design	76,000
Engineering Fees - Construction	92,000
Engineering Fees - Inspection	99,000
Engineering Fees - Other	15,000
Construction	2,212,600
Contingency	220,000
Total	\$ 2,809,600

III. PROJECT FUNDING

	Amount	%
Fund F Loan	\$ 1,685,083	60%
Cannonsburg Water	584,000	21%
Cleaner Water Grant 21CWW014	540,517	19%
Total	\$ 2,809,600	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 1,685,083
Less: Principal Forgiveness	0
Amortized Loan Amount	\$ 1,685,083
Interest Rate	2.00%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 102,640
Administrative Fee (0.25%)	4,213
Total Estimated Annual Debt Service	\$ 106,853

V. PROJECT SCHEDULE

Bid Opening	May 2023
Construction Start	June 2023
Construction Stop	November 2023

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

Customers	Current
Residential	3,340
Commercial	257
Industrial	2
Total	3,599

B) Rates

Water	Current	Prior
Date of Last Rate Increase	05/13/19	01/01/17
Minimum (2,000 gallons)	\$25.33	\$24.34
Next 1,000 gallons	9.54	9.17
Cost for 4,000 gallons	\$44.41	\$42.68
Increase %	4.1%	
Affordability Index (Rate/MHI)	0.9%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2015-2019, the Utility's service area population was 8,919 with a Median Household Income (MHI) of \$59,708. The median household income for the Commonwealth is \$50,589. The project will qualify for a 20-year loan term with a 2.00% interest rate.

VIII. 2020 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a "green" requirement.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

IX. FINANCIAL ANALYSIS

Financial information was obtained from the audited financial statements for the years ended December 31, 2018 through December 31, 2020. 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

Revenues increased 38% from \$2.44 million in 2018 to \$3.38 in 2020 due to a 4% water rate increase in May 2019 and additional water surcharge revenues. Operating expenses increased 9% from \$1.16 million to \$1.26 million during the same period primarily due to subscriptions and new water surcharge expenses. Consolidated cash flow before debt service averaged \$538,629 in the 3 audited years. The debt coverage ratio was 2.0, 4.0, and 11.2 in 2018, 2019, and 2020 respectively.

The balance sheet reflects a current ratio of 3.3, a debt-to-equity ratio of 0.9, 20.6 days of sales in accounts receivable, and 2.9 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Revenues are projected flat for the projection years.
- 2) Expenses will rise 2% annually due to inflation.
- 3) Debt service coverage is 4.2 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 F loan.

The Cannonsburg Water District is regulated by the Public Service Commission and will need to apply to the Public Service Commission (PSC), pursuant to KRS 278.300, for debt authorization for the \$1,685,083 loan and District must receive a Certificate of Public Convenience and Necessity (CPCN), pursuant to KRS 278.020.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$84,000 total) of the final amount borrowed to be funded annually (\$4,200 yearly) each December 1 for 20 years and maintained for the life of the loan.

X. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
KRWFCorp	\$ 186,000	2025
USDA Loan	1,597,000	2055
Total	\$ 1,783,000	

XI. CONTACTS

Legal Applicant	
Entity Name	Cannonsburg Water District
Authorized Official	Robert McGuire (Chairman)
County	Boyd
Email	tim@cannonsburg.com
Phone	(606) 928-9808
Address	1606 Cannonsburg Rd Ashland, KY 41102

Applicant Contact	
Name	Tim Webb
Organization	Cannonsburg Water District
Email	Tim@cannonsburgwater.com
Phone	(606) 928-9808
Address	1606 Cannonsburg Rd. Ashland, KY 41102

Project Administrator

Name	Eric Patton
Organization	FIVCO Area Development District
Email	eric@fivco.org
Phone	(606) 929-1366
Address	32 FIVCO Ct. Grayson, KY 41143

Consulting Engineer

PE Name	Robert Bowman
Firm Name	Bell Engineering
Email	abowman@hkbell.com
Phone	(606) 365-2534
Address	2480 Fortune Dr STE 350 Stanford, KY 40484

XII. RECOMMENDATIONS

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

**CANNONSBURG WATER DISTRICT
FINANCIAL SUMMARY (DECEMBER YEAR END)**

	<u>Audited</u> <u>2018</u>	<u>Audited</u> <u>2019</u>	<u>Audited</u> <u>2020</u>	<u>Projected</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>
Balance Sheet								
Assets								
Current Assets	671,770	910,985	870,566	1,801,444	2,682,514	3,532,844	4,248,410	4,947,426
Other Assets	6,270,771	6,217,665	7,061,377	6,863,214	6,665,051	9,280,688	9,016,485	8,752,282
Total	<u>6,942,541</u>	<u>7,128,650</u>	<u>7,931,943</u>	<u>8,664,658</u>	<u>9,347,565</u>	<u>12,813,532</u>	<u>13,264,895</u>	<u>13,699,708</u>
Liabilities & Equity								
Current Liabilities	230,676	319,332	263,975	281,975	284,975	373,229	365,229	360,729
Long Term Liabilities	3,254,702	3,299,180	3,474,337	3,408,337	3,339,337	4,867,166	4,717,912	4,573,158
Total Liabilities	<u>3,485,378</u>	<u>3,618,512</u>	<u>3,738,312</u>	<u>3,690,312</u>	<u>3,624,312</u>	<u>5,240,395</u>	<u>5,083,141</u>	<u>4,933,887</u>
Net Assets	<u>3,457,163</u>	<u>3,510,138</u>	<u>4,193,631</u>	<u>4,974,346</u>	<u>5,723,253</u>	<u>7,573,137</u>	<u>8,181,754</u>	<u>8,765,822</u>
Cash Flow								
Revenues	2,443,029	2,692,653	3,380,446	3,380,446	3,380,446	3,380,446	3,380,446	3,380,446
Operating Expenses	2,270,507	2,338,972	2,352,372	2,377,628	2,403,389	2,433,865	2,460,666	2,488,003
Other Income	20,834	20,851	19,924	17,354	17,354	17,354	17,354	17,354
Cash Flow Before Debt Service	193,356	374,532	1,047,998	1,020,172	994,411	963,935	937,134	909,797
Debt Service								
Existing Debt Service	94,563	93,274	93,558	97,563	113,341	113,605	114,715	103,928
Proposed KIA Loan	0	0	0	0	0	0	106,853	106,853
Total Debt Service	<u>94,563</u>	<u>93,274</u>	<u>93,558</u>	<u>97,563</u>	<u>113,341</u>	<u>113,605</u>	<u>221,568</u>	<u>210,781</u>
Cash Flow After Debt Service	<u>98,793</u>	<u>281,258</u>	<u>954,440</u>	<u>922,609</u>	<u>881,070</u>	<u>850,330</u>	<u>715,566</u>	<u>699,016</u>
Ratios								
Current Ratio	2.9	2.9	3.3	6.4	9.4	9.5	11.6	13.7
Debt to Equity	1.0	1.0	0.9	0.7	0.6	0.7	0.6	0.6
Days Sales in Accounts Receivable	43.1	28.5	20.6	20.6	20.6	20.6	20.6	20.6
Months Operating Expenses in Unrestricted Cash	1.5	3.1	2.9	7.6	11.9	16.0	19.3	22.4
Debt Coverage Ratio	2.0	4.0	11.2	10.5	8.8	8.5	4.2	4.3

EXECUTIVE SUMMARY		Reviewer	Alex Fisher	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND C, GOVERNMENTAL AGENCIES FUND		KIA Loan Number	C22-003	
REVOLVING LOAN FUND		WRIS Number	WX21113040	
BORROWER	CITY OF NICHOLASVILLE JESSAMINE COUNTY			
BRIEF DESCRIPTION				
The City of Nicholasville ("City") is requesting a Fund C loan in the amount of \$990,912 for the Nicholasville 24" Parallel Transmission Main project. This Fund C loan will supplement and fill in the funding gap with the Fund F loan (F22-001). This project will increase pumping capacity from 7 million gallons per day (MGD) to 15 MGD with the construction of about 22,000 LF of ductile iron transmission line from the water treatment plant to the City.				
PROJECT FINANCING		PROJECT BUDGET		
Fund C Loan	\$990,912	RD Fee %	Actual %	
P & D (F115-066)	416,120	Administrative Expenses		\$5,000
Fund F Loan	4,165,910	Legal Expenses		5,000
		Land, Easements		47,699
		Planning		180,000
		Eng - Design / Const	6.8%	6.0%
		Eng - Insp	3.5%	2.8%
		Eng - Other		40,000
		Construction		4,423,475
		Contingency		442,347
TOTAL	\$5,572,942	TOTAL		\$5,572,942
REPAYMENT	Rate	2.50%	Est. Annual Payment	\$65,244
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Jan-23		
	Construction Start	Mar-23		
	Construction Stop	Aug-24		
DEBT PER CUSTOMER	Existing	\$2,934		
	Proposed	\$2,731		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>	
		14,056	\$22.97	(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	4,374,253	3,013,382	1,360,871	1.5
Audited 2020	5,893,737	6,865,619	(971,882)	0.9
Audited 2021	4,144,998	15,518,970	(11,373,972)	0.3
Projected 2022	4,309,593	3,603,743	705,850	1.2
Projected 2023	5,124,488	3,518,732	1,605,756	1.5
Projected 2024	4,696,917	3,523,765	1,173,152	1.3
Projected 2025	4,246,794	3,339,305	907,489	1.3
Projected 2026	3,801,949	3,517,804	284,145	1.1

Reviewer: Alex Fisher
Date: July 7, 2022
Loan Number: C22-003

**KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER STATE REVOLVING FUND (FUND C)
CITY OF NICHOLASVILLE, JESSAMINE COUNTY
PROJECT REVIEW
WX21113040**

I. PROJECT DESCRIPTION

The City of Nicholasville (“City”) is requesting a Fund C loan in the amount of \$990,912 for the Nicholasville 24” Parallel Transmission Main project. This Fund C loan will supplement and fill in the funding gap with the Fund F loan (F22-001). This project will increase pumping capacity from 7 million gallons per day (MGD) to 15 MGD with the construction of about 22,000 LF of ductile iron transmission line from the water treatment plant to the City.

This project falls in line with the 1990 master plan to improve the distribution system. The project will increase “turnover” within the existing water storage tanks, reduce head loss within the system and yield a higher velocity and volume of water delivered to customers.

Currently the City of Nicholasville serves 13,130 residential and 926 commercial, industrial and wholesale customers.

II. PROJECT BUDGET

	<u>Total</u>
Administrative Expenses	\$ 5,000
Legal Expenses	5,000
Land, Easements	47,699
Planning	180,000
Engineering Fees - Design	228,421
Engineering Fees - Construction	65,000
Engineering Fees - Inspection	136,000
Engineering Fees - Other	40,000
Construction	4,423,475
Contingency	442,347
Total	<u>\$ 5,572,942</u>

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund F Loan	\$ 4,165,910	75%
P & D (F115-066)	416,120	7%
Fund C Loan	990,912	18%
Total	\$ 5,572,942	100%

IV. KIA DEBT SERVICE

Construction Loan	\$ 990,912
Less: Principal Forgiveness	0
Amortized Loan Amount	\$ 990,912
Interest Rate	2.50%
Loan Term (Years)	20
Estimated Annual Debt Service	\$ 63,263
Administrative Fee (0.20%)	1,982
Total Estimated Annual Debt Service	\$ 65,244

V. PROJECT SCHEDULE

Bid Opening	January 2023
Construction Start	March 2023
Construction Stop	August 2024

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

<u>Customers</u>	<u>Current</u>
Residential	13,130
Commercial	903
Industrial	23
Total	14,056

B) Rates

WATER INSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/19	8/1/2013
Minimum Service Charge	\$5.50	\$5.25	4.42
Per 1,000 Gallons	4.65	4.43	4.43
Cost for 4,000 gallons	\$24.10	\$22.97	\$22.14
Increase %	4.9%	3.7%	
Affordability Index (Rate/MHI)	0.5%	0.5%	

WATER OUTSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/19	8/1/2013
Minimum Service Charge	\$7.80	\$7.45	6.60
Per 1,000 Gallons	6.80	6.48	6.48
Cost for 4,000 gallons	\$35.00	\$33.37	\$32.52
Increase %	4.9%	2.6%	
Affordability Index (Rate/MHI)	0.7%	0.7%	

SEWER INSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/21	9/1/2019
Minimum Service Charge	\$8.95	\$7.45	6.75
Per 1,000 Gallons	6.30	5.25	4.75
Cost for 4,000 gallons	\$34.15	\$28.45	\$25.75
Increase %	20.0%	10.5%	
Affordability Index (Rate/MHI)	0.7%	0.6%	

SEWER OUTSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/21	9/1/2019
Minimum Service Charge	\$11.65	\$9.70	8.85
Per 1,000 Gallons	9.35	7.80	7.11
Cost for 4,000 gallons	\$49.05	\$40.90	\$37.29
Increase %	19.9%	9.7%	
Affordability Index (Rate/MHI)	1.0%	0.8%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 33,281 with a Median Household Income (MHI) of \$58,084. The median household income for the Commonwealth is \$50,589. The project will qualify for a 2.50% interest rate and a 20-year loan term.

VIII. 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. The City’s proprietary utilities fund includes water, sewer and electric. Where practical and feasible the electric was factored out to analyze the water and sewer cash flows. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased 5.7% from \$24.53 million in 2019 to \$25.92 in 2021 while operating expenses increased 9.0% from \$18.85 million to \$20.55 million during the same period due to repairs, maintenance and supply costs. Consolidated cash flow before debt service averaged \$4.80 million in the 3 audited years. The debt coverage ratio was 1.5, 0.9, and 0.3 in 2019, 2020, and 2021 respectively.

The balance sheet reflects a current ratio of 1.7, a debt-to-equity ratio of 1.1, 59.1 days of sales in accounts receivable, and 2.2 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues will increase 4.9% in FY23 from a planned rate increase.
- 2) Sewer revenues increased 10.1% in FY22.
- 3) Sewer revenues will increase 20% in FY23 from a planned rate increase.
- 4) The Fund F22-001 loan for this project is also factored into the overall debt service for the City.
- 5) Expenses will increase 2% annually due to inflation.
- 6) Debt service coverage is 1.3 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 C loan.

REPLACEMENT RESERVE

The replacement reserve will be 5% (\$50,000 total) of the final amount borrowed to be funded annually (\$2,500 yearly) each December 1 for 20 years and maintained for the life of the loan.

IX. DEBT OBLIGATIONS

	<u>Outstanding</u>	<u>Maturity</u>
KIA C02-02	\$ 665,059	2023
KIA A08-06	3,240,380	2031
KIA F13-022	370,580	2035
KIA F115-066 (P & D)	254,167	TBD
KIA F17-001	494,541	2040
Series 2012A Bond	650,000	2023
Series 2019 Bond	3,530,000	2039
Series 2020A Bond	29,255,000	2041
Gen Obligation Note 2018N-1	230,279	2023
KIA A21-032 (i.a.o \$817,000 P&D)		TBD
Total	\$38,690,006	

X. CONTACTS

Legal Applicant	
Entity Name	City of Nicholasville
Authorized Official	Peter Sutherland (Mayor)
County	Jessamine
Email	pete.sutherland@nicholasville.org
Phone	(859) 885-1121
Address	PO Box 450 517 N Main St Nicholasville, KY 40356

Applicant Contact	
Name	Bob Amato
Organization	City of Nicholasville
Email	bob.amato@nicholasville.org
Phone	(859) 885-9473
Address	601 N Main St Nicholasville, KY 40340

Project Administrator	
Name	Bob Amato
Organization	City of Nicholasville
Email	bob.amato@nicholasville.org
Phone	(859) 995-9473
Address	601 N Main St Nicholasville, KY 40340

Consulting Engineer

PE Name	Joe Henry
Firm Name	GRW Engineers, Inc.
Email	jhenry@grwinc.com
Phone	(859) 223-3999
Address	204 Revere Way Versailles, KY 40383

XI. RECOMMENDATIONS

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

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

	<u>Audited 2019</u>	<u>Audited 2020</u>	<u>Audited 2021</u>	<u>Projected 2022</u>	<u>Projected 2023</u>	<u>Projected 2024</u>	<u>Projected 2025</u>	<u>Projected 2026</u>
Balance Sheet								
Assets								
Current Assets	7,878,476	9,840,411	9,584,913	10,407,574	12,213,230	13,386,382	14,293,871	14,578,016
Other Assets	84,834,801	84,143,023	105,039,924	101,921,370	98,965,860	96,827,350	99,305,458	96,210,624
Total	92,713,277	93,983,434	114,624,837	112,328,944	111,179,090	110,213,732	113,599,329	110,788,640
Liabilities & Equity								
Current Liabilities	5,230,280	5,552,806	5,598,504	5,595,682	5,566,093	5,341,605	5,759,051	5,878,551
Long Term Liabilities	33,917,154	33,491,235	53,572,541	49,667,529	47,330,104	46,091,367	49,249,527	46,774,744
Total Liabilities	39,147,434	39,044,041	59,171,045	55,263,211	52,896,197	51,432,972	55,008,577	52,653,295
Net Assets	53,565,843	54,939,393	55,453,792	57,065,732	58,282,892	58,780,759	58,590,751	58,135,345
Cash Flow								
Revenues	24,530,082	26,274,285	25,924,537	26,471,563	27,705,646	27,705,646	27,705,646	27,705,646
Operating Expenses	20,385,372	21,043,267	22,182,865	22,593,833	23,013,021	23,440,592	23,890,715	24,335,560
Other Income	229,543	662,719	403,326	431,863	431,863	431,863	431,863	431,863
Cash Flow Before Debt Service	4,374,253	5,893,737	4,144,998	4,309,593	5,124,488	4,696,917	4,246,794	3,801,949
Debt Service								
Existing Debt Service	3,013,382	6,865,619	15,518,970	3,603,743	3,518,732	3,523,765	3,306,683	3,452,560
Proposed KIA Fund C Loan	0	0	0	0	0	0	32,622	65,244
Total Debt Service	3,013,382	6,865,619	15,518,970	3,603,743	3,518,732	3,523,765	3,339,305	3,517,804
Cash Flow After Debt Service	1,360,871	(971,882)	(11,373,972)	705,850	1,605,756	1,173,152	907,489	284,145
Ratios								
Current Ratio	1.5	1.8	1.7	1.9	2.2	2.5	2.5	2.5
Debt to Equity	0.7	0.7	1.1	1.0	0.9	0.9	0.9	0.9
Days Sales in Accounts Receivable	50.5	55.0	59.1	59.1	59.1	59.1	59.1	59.1
Months Operating Expenses in Unrestricted Cash	1.8	2.6	2.2	2.5	3.3	3.9	4.2	4.3
Debt Coverage Ratio	1.5	0.9	0.3	1.2	1.5	1.3	1.3	1.1

EXECUTIVE SUMMARY		Reviewer	Alex Fisher	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	July 7, 2022	
FUND F, FEDERALLY ASSISTED DRINKING WATER		KIA Loan Number	F22-001	
REVOLVING LOAN FUND		WRIS Number	WX21113040	
BORROWER		CITY OF NICHOLASVILLE JESSAMINE COUNTY		
BRIEF DESCRIPTION				
The City of Nicholasville ("City") is requesting a Fund F loan in the amount of \$4,582,030 for the Nicholasville 24" Parallel Transmission Main project. The planning and design loan (F115-066) was previously approved by the KIA board on July 2, 2015 and will be rolled into this loan amount. This project will increase pumping capacity from 7 million gallons per day (MGD) to 15 MGD with the construction of about 22,000 LF of ductile iron transmission line from the water treatment plant to the City.				
PROJECT FINANCING		PROJECT BUDGET		
Fund F Loan	\$4,165,910	Administrative Expenses	RD Fee %	Actual %
P & D (F115-066)	416,120	Legal Expenses		\$5,000
Fund C Loan	990,912	Land, Easements		5,000
		Planning		47,699
		Eng - Design / Const	6.8%	6.0%
		Eng - Insp	3.5%	2.8%
		Eng - Other		180,000
		Construction		293,421
		Contingency		136,000
				40,000
				4,423,475
				442,347
TOTAL	\$5,572,942	TOTAL		\$5,572,942
REPAYMENT	Rate	2.00%	Est. Annual Payment	\$290,552
	Term	20 Years	1st Payment	6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
	Bond Counsel	Rubin & Hays		
PROJECT SCHEDULE	Bid Opening	Jan-23		
	Construction Start	Mar-23		
	Construction Stop	Aug-24		
DEBT PER CUSTOMER	Existing	\$2,934		
	Proposed	\$2,731		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current	<u>Users</u> 14,056	<u>Avg. Bill</u> \$22.97	(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	4,374,253	3,013,382	1,360,871	1.5
Audited 2020	5,893,737	6,865,619	(971,882)	0.9
Audited 2021	4,144,998	15,518,970	(11,373,972)	0.3
Projected 2022	4,309,593	3,603,743	705,850	1.2
Projected 2023	5,124,488	3,518,732	1,605,756	1.5
Projected 2024	4,696,917	3,523,765	1,173,152	1.3
Projected 2025	4,246,794	3,339,305	907,489	1.3
Projected 2026	3,801,949	3,517,804	284,145	1.1

Reviewer: Alex Fisher
Date: July 7, 2022
Loan Number: F22-001

**KENTUCKY INFRASTRUCTURE AUTHORITY
DRINKING WATER STATE REVOLVING FUND (FUND F)
CITY OF NICHOLASVILLE, JESSAMINE COUNTY
PROJECT REVIEW
WX21113040**

I. PROJECT DESCRIPTION

The City of Nicholasville (“City”) is requesting a Fund F loan in the amount of \$4,582,030 for the Nicholasville 24” Parallel Transmission Main project. The planning and design loan (F115-066) was previously approved by the KIA board on July 2, 2015 and will be rolled into this loan amount. This project will increase pumping capacity from 7 million gallons per day (MGD) to 15 MGD with the construction of about 22,000 LF of ductile iron transmission line from the water treatment plant to the City.

This project falls in line with the 1990 master plan to improve the distribution system. The project will increase “turnover” within the existing water storage tanks, reduce head loss within the system and yield a higher velocity and volume of water delivered to customers.

Currently the City of Nicholasville serves 13,130 residential and 926 commercial, industrial and wholesale customers.

II. PROJECT BUDGET

	Total
Administrative Expenses	\$ 5,000
Legal Expenses	5,000
Land, Easements	47,699
Planning	180,000
Engineering Fees - Design	228,421
Engineering Fees - Construction	65,000
Engineering Fees - Inspection	136,000
Engineering Fees - Other	40,000
Construction	4,423,475
Contingency	442,347
Total	\$ 5,572,942

III. PROJECT FUNDING

	<u>Amount</u>	<u>%</u>
Fund F Loan	\$ 4,165,910	75%
P & D (F115-066)	416,120	7%
Fund C Loan	990,912	18%
Total	\$ 5,572,942	100%

IV. KIA DEBT SERVICE

Construction & (P & D) Loan	\$ 4,582,030
Less: Principal Forgiveness	0
Amortized Loan Amount	<u>\$ 4,582,030</u>
Interest Rate	2.00%
Loan Term (Years)	<u>20</u>
Estimated Annual Debt Service	\$ 279,097
Administrative Fee (0.25%)	<u>11,455</u>
Total Estimated Annual Debt Service	\$ 290,552

V. PROJECT SCHEDULE

Bid Opening	January 2023
Construction Start	March 2023
Construction Stop	August 2024

VI. CUSTOMER COMPOSITION AND RATE STRUCTURE

A) Customers

<u>Customers</u>	<u>Current</u>
Residential	13,130
Commercial	903
Industrial	<u>23</u>
Total	14,056

B) Rates

WATER INSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/19	8/1/2013
Minimum Service Charge	\$5.50	\$5.25	4.42
Per 1,000 Gallons	4.65	4.43	4.43
Cost for 4,000 gallons	\$24.10	\$22.97	\$22.14
Increase %	4.9%	3.7%	
Affordability Index (Rate/MHI)	0.5%	0.5%	

WATER OUTSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/19	8/1/2013
Minimum Service Charge	\$7.80	\$7.45	6.60
Per 1,000 Gallons	6.80	6.48	6.48
Cost for 4,000 gallons	\$35.00	\$33.37	\$32.52
Increase %	4.9%	2.6%	
Affordability Index (Rate/MHI)	0.7%	0.7%	

SEWER INSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/21	9/1/2019
Minimum Service Charge	\$8.95	\$7.45	6.75
Per 1,000 Gallons	6.30	5.25	4.75
Cost for 4,000 gallons	\$34.15	\$28.45	\$25.75
Increase %	20.0%	10.5%	
Affordability Index (Rate/MHI)	0.7%	0.6%	

SEWER OUTSIDE CITY	Proposed	Current	Prior
Date of Last Rate Increase	08/01/22	08/01/21	9/1/2019
Minimum Service Charge	\$11.65	\$9.70	8.85
Per 1,000 Gallons	9.35	7.80	7.11
Cost for 4,000 gallons	\$49.05	\$40.90	\$37.29
Increase %	19.9%	9.7%	
Affordability Index (Rate/MHI)	1.0%	0.8%	

VII. DEMOGRAPHICS

Based on current Census data from the American Community Survey 5-Year Estimate 2016-2020, the Utility's service area population was 33,281 with a Median Household Income (MHI) of \$58,084. The median household income for the Commonwealth is \$50,589. The project will qualify for a 2.00% interest rate and a 20-year loan term.

VIII. 2020 CAPITALIZATION GRANT EQUIVALENCIES

- 1) Green Project Reserve - The Drinking Water capitalization grant does not contain a “green” requirement.
- 2) Additional Subsidization – This project does not qualify for additional subsidization.

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. The City’s proprietary utilities fund includes water, sewer and electric. Where practical and feasible the electric was factored out to analyze the water and sewer cash flows. Percentage references in the History section below are based on whole dollar amounts and not the rounded amounts presented.

HISTORY

Revenues increased 5.7% from \$24.53 million in 2019 to \$25.92 in 2021 while operating expenses increased 9.0% from \$18.85 million to \$20.55 million during the same period due to repairs, maintenance and supply costs. Consolidated cash flow before debt service averaged \$4.80 million in the 3 audited years. The debt coverage ratio was 1.5, 0.9, and 0.3 in 2019, 2020, and 2021 respectively.

The balance sheet reflects a current ratio of 1.7, a debt-to-equity ratio of 1.1, 59.1 days of sales in accounts receivable, and 2.2 months of operating expenses in unrestricted cash.

PROJECTIONS

Projections are based on the following assumptions:

- 1) Water revenues will increase 4.9% in FY23 from a planned rate increase.
- 2) Sewer revenues increased 10.1% in FY22.
- 3) Sewer revenues will increase 20% in FY23 from a planned rate increase.
- 4) The Fund C supplemental loan for this project is also factored into the overall debt service for the City.
- 5) Expenses will increase 2% annually due to inflation.
- 6) Debt service coverage is 1.3 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% (\$230,000 total) of the final amount borrowed to be funded annually (\$11,500 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 C02-02	\$ 665,059	2023
KIA A08-06	3,240,380	2031
KIA F13-022	370,580	2035
KIA F115-066 (P & D)	254,167	TBD
KIA F17-001	494,541	2040
Series 2012A Bond	650,000	2023
Series 2019 Bond	3,530,000	2039
Series 2020A Bond	29,255,000	2041
Gen Obligation Note 2018N-1	230,279	2023
KIA A21-032 (i.a.o \$817,000 P&D)		TBD
Total	\$38,690,006	

XI. CONTACTS

Legal Applicant	
Entity Name	City of Nicholasville
Authorized Official	Peter Sutherland (Mayor)
County	Jessamine
Email	pete.sutherland@nicholasville.org
Phone	(859) 885-1121
Address	PO Box 450 517 N Main St Nicholasville, KY 40356

Applicant Contact	
Name	Bob Amato
Organization	City of Nicholasville
Email	bob.amato@nicholasville.org
Phone	(859) 885-9473
Address	601 N Main St Nicholasville, KY 40340

Project Administrator

Name	Bob Amato
Organization	City of Nicholasville
Email	bob.amato@nicholasville.org
Phone	(859) 995-9473
Address	601 N Main St Nicholasville, KY 40340

Consulting Engineer

PE Name	Joe Henry
Firm Name	GRW Engineers, Inc.
Email	jhenry@grwinc.com
Phone	(859) 223-3999
Address	204 Revere Way Versailles, KY 40383

XII. RECOMMENDATIONS

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

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

	<u>Audited 2019</u>	<u>Audited 2020</u>	<u>Audited 2021</u>	<u>Projected 2022</u>	<u>Projected 2023</u>	<u>Projected 2024</u>	<u>Projected 2025</u>	<u>Projected 2026</u>
Balance Sheet								
Assets								
Current Assets	7,878,476	9,840,411	9,584,913	10,407,574	12,213,230	13,386,382	14,293,871	14,578,016
Other Assets	84,834,801	84,143,023	105,039,924	101,921,370	98,965,860	96,827,350	99,319,458	96,238,624
Total	92,713,277	93,983,434	114,624,837	112,328,944	111,179,090	110,213,732	113,613,329	110,816,640
Liabilities & Equity								
Current Liabilities	5,230,280	5,552,806	5,598,504	5,595,682	5,566,093	5,341,605	5,759,051	5,878,551
Long Term Liabilities	33,917,154	33,491,235	53,572,541	49,667,529	47,330,104	46,091,367	49,249,527	46,774,744
Total Liabilities	39,147,434	39,044,041	59,171,045	55,263,211	52,896,197	51,432,972	55,008,577	52,653,295
Net Assets	53,565,843	54,939,393	55,453,792	57,065,732	58,282,892	58,780,759	58,604,751	58,163,345
Cash Flow								
Revenues	24,530,082	26,274,285	25,924,537	26,471,563	27,705,646	27,705,646	27,705,646	27,705,646
Operating Expenses	20,385,372	21,043,267	22,182,865	22,593,833	23,013,021	23,440,592	23,890,715	24,335,560
Other Income	229,543	662,719	403,326	431,863	431,863	431,863	431,863	431,863
Cash Flow Before Debt Service	4,374,253	5,893,737	4,144,998	4,309,593	5,124,488	4,696,917	4,246,794	3,801,949
Debt Service								
Existing Debt Service	3,013,382	6,865,619	15,518,970	3,603,743	3,518,732	3,523,765	3,194,029	3,227,252
Proposed KIA Fund F Loan	0	0	0	0	0	0	145,276	290,552
Total Debt Service	3,013,382	6,865,619	15,518,970	3,603,743	3,518,732	3,523,765	3,339,305	3,517,804
Cash Flow After Debt Service	1,360,871	(971,882)	(11,373,972)	705,850	1,605,756	1,173,152	907,489	284,145
Ratios								
Current Ratio	1.5	1.8	1.7	1.9	2.2	2.5	2.5	2.5
Debt to Equity	0.7	0.7	1.1	1.0	0.9	0.9	0.9	0.9
Days Sales in Accounts Receivable	50.5	55.0	59.1	59.1	59.1	59.1	59.1	59.1
Months Operating Expenses in Unrestricted Cash	1.8	2.6	2.2	2.5	3.3	3.9	4.2	4.3
Debt Coverage Ratio	1.5	0.9	0.3	1.2	1.5	1.3	1.3	1.1

2021 Senate Bill 36 Announced Summary - Counties
 Note: This report reflects project announcements as of Jul 1, 2022

County	SB 36 Part A Appropriated	SB 36 Part A Announced	SB 36 Part A Remaining	SB 36 Part B Total Announced	SB 36 Part B1 Unserved Rural Announced	SB 36 Part B2 Consent Decree Announced	SB 36 Part C Announced	SB 36 Total Announced
Adair	\$ 705,214	\$ 705,214	-	-	-	-	-	\$ 705,214
Allen	\$ 782,816	\$ 782,816	-	-	-	-	-	\$ 782,816
Anderson	\$ 835,407	\$ 835,407	-	-	-	-	-	\$ 835,407
Ballard	\$ 289,695	\$ 289,695	-	-	-	-	-	\$ 289,695
Barren	\$ 1,625,091	\$ 1,625,091	-	-	-	-	-	\$ 1,625,091
Bath	\$ 459,076	\$ 459,076	-	-	-	-	-	\$ 459,076
Bell	\$ 956,052	\$ 956,052	-	-	-	-	-	\$ 956,052
Boone	\$ 4,905,902	\$ 4,905,902	-	\$ 3,650,000	-	\$ 3,650,000	-	\$ 8,555,902
Bourbon	\$ 726,735	\$ 726,735	-	-	-	-	-	\$ 726,735
Boyd	\$ 1,715,767	\$ 1,715,767	-	-	-	-	-	\$ 1,715,767
Boyle	\$ 1,103,985	\$ 1,103,985	-	-	-	-	-	\$ 1,103,985
Bracken	\$ 304,936	\$ 304,936	-	-	-	-	-	\$ 304,936
Breathitt	\$ 463,850	\$ 463,850	-	-	-	-	-	\$ 463,850
Breckinridge	\$ 752,039	\$ 752,039	-	-	-	-	-	\$ 752,039
Bullitt	\$ 2,999,636	\$ 2,999,636	-	-	-	-	-	\$ 2,999,636
Butler	\$ 472,995	-	\$ 472,995	-	-	-	-	-
Caldwell	\$ 468,147	\$ 468,147	-	-	-	-	-	\$ 468,147
Calloway	\$ 1,432,352	\$ 1,432,352	-	-	-	-	-	\$ 1,432,352
Campbell	\$ 3,436,970	\$ 3,436,970	-	\$ 1,350,000	-	\$ 1,350,000	-	\$ 4,786,970
Carlisle	\$ 174,816	\$ 174,816	-	-	-	-	-	\$ 174,816
Carroll	\$ 390,435	\$ 390,435	-	-	-	-	-	\$ 390,435
Carter	\$ 984,148	\$ 984,148	-	-	-	-	-	\$ 984,148
Casey	\$ 593,456	\$ 593,456	-	-	-	-	-	\$ 593,456
Christian	\$ 2,587,754	\$ 2,587,754	-	-	-	-	-	\$ 2,587,754
Clark	\$ 1,331,797	\$ 1,331,797	-	\$ 5,000,000	-	\$ 5,000,000	-	\$ 6,331,797
Clay	\$ 730,885	\$ 730,885	-	-	-	-	-	\$ 730,885
Clinton	\$ 375,267	\$ 375,267	-	-	-	-	-	\$ 375,267
Crittenden	\$ 323,410	\$ 323,410	-	-	-	-	-	\$ 323,410
Cumberland	\$ 242,906	\$ 242,906	-	-	-	-	-	\$ 242,906
Daviess	\$ 3,728,098	\$ 3,728,098	-	-	-	-	-	\$ 3,728,098
Edmonson	\$ 446,221	\$ 446,221	-	-	-	-	-	\$ 446,221
Elliott	\$ 276,070	\$ 276,070	-	-	-	-	-	\$ 276,070
Estill	\$ 518,058	\$ 518,058	-	-	-	-	-	\$ 518,058
Fayette	\$ 11,868,095	\$ 11,868,095	-	-	-	-	-	\$ 11,868,095
Fleming	\$ 535,502	\$ 535,502	-	-	-	-	-	\$ 535,502
Floyd	\$ 1,307,043	\$ 1,307,043	-	-	-	-	-	\$ 1,307,043
Franklin	\$ 1,872,698	\$ 1,872,698	-	-	-	-	-	\$ 1,872,698
Fulton	\$ 219,218	\$ 219,218	-	-	-	-	-	\$ 219,218
Gallatin	\$ 325,723	\$ 325,723	-	-	-	-	-	\$ 325,723
Garrard	\$ 648,802	\$ 648,802	-	-	-	-	-	\$ 648,802
Grant	\$ 920,685	\$ 920,685	-	-	-	-	-	\$ 920,685
Graves	\$ 1,368,633	\$ 1,368,633	-	-	-	-	-	\$ 1,368,633
Grayson	\$ 970,559	\$ 970,559	-	-	-	-	-	\$ 970,559
Green	\$ 401,820	-	\$ 401,820	-	-	-	-	-
Greenup	\$ 1,289,011	\$ 1,289,011	-	-	-	-	-	\$ 1,289,011
Hancock	\$ 320,325	\$ 320,325	-	-	-	-	-	\$ 320,325
Hardin	\$ 4,075,048	\$ 4,075,048	-	-	-	-	-	\$ 4,075,048
Harlan	\$ 955,244	\$ 955,244	-	-	-	-	-	\$ 955,244
Harrison	\$ 693,608	\$ 693,608	-	-	-	-	-	\$ 693,608
Hart	\$ 699,080	\$ 699,080	-	-	-	-	-	\$ 699,080
Henderson	\$ 1,660,384	\$ 1,660,384	-	-	-	-	-	\$ 1,660,384
Henry	\$ 592,244	\$ 592,244	-	-	-	-	-	\$ 592,244
Hickman	\$ 160,860	\$ 160,860	-	-	-	-	-	\$ 160,860
Hopkins	\$ 1,641,140	\$ 1,641,140	-	\$ 109,020	\$ 109,020	-	-	\$ 1,750,160
Jackson	\$ 489,521	-	\$ 489,521	-	-	-	-	-
Jefferson	\$ 14,079,994	\$ 14,079,994	-	\$ 5,000,000	-	\$ 5,000,000	-	\$ 19,079,994
Jessamine	\$ 1,987,430	\$ 1,987,430	-	-	-	-	-	\$ 1,987,430
Johnson	\$ 814,877	\$ 814,877	-	-	-	-	-	\$ 814,877
Kenton	\$ 6,133,176	\$ 6,133,176	-	-	-	-	-	\$ 6,133,176
Knott	\$ 543,766	\$ 543,766	-	-	-	-	-	\$ 543,766
Knox	\$ 1,143,833	\$ 1,143,833	-	-	-	-	-	\$ 1,143,833

Larue	\$ 528,782	\$ 528,782	-	-	-	-	-	\$ 528,782
Laurel	\$ 2,233,421	\$ 2,233,421	-	-	-	-	-	\$ 2,233,421
Lawrence	\$ 562,533	\$ 562,533	-	-	-	-	-	\$ 562,533
Lee	\$ 271,883	-	\$ 271,883	-	-	-	-	-
Leslie	\$ 362,743	\$ 362,743	-	-	-	-	-	\$ 362,743
Letcher	\$ 791,556	\$ 791,556	-	-	-	-	-	\$ 791,556
Lewis	\$ 487,538	\$ 487,538	-	-	-	-	-	\$ 487,538
Lincoln	\$ 901,588	\$ 901,588	-	-	-	-	-	\$ 901,588
Livingston	\$ 337,659	\$ 337,659	-	-	-	-	-	\$ 337,659
Logan	\$ 995,349	\$ 995,349	-	-	-	-	-	\$ 995,349
Lyon	\$ 301,521	\$ 301,521	-	-	-	-	-	\$ 301,521
Madison	\$ 3,415,045	\$ 3,415,045	-	-	-	-	-	\$ 3,415,045
Magoffin	\$ 446,625	\$ 446,625	-	-	-	-	-	\$ 446,625
Marion	\$ 707,821	\$ 707,821	-	-	-	-	-	\$ 707,821
Marshall	\$ 1,142,180	\$ 1,142,180	-	-	-	-	-	\$ 1,142,180
Martin	\$ 411,148	\$ 411,148	-	-	-	-	-	\$ 411,148
Mason	\$ 626,914	\$ 626,914	-	-	-	-	-	\$ 626,914
McCracken	\$ 2,402,544	\$ 2,402,544	-	-	-	-	-	\$ 2,402,544
McCreary	\$ 632,826	\$ 632,826	-	-	-	-	-	\$ 632,826
McLean	\$ 338,137	\$ 338,137	-	-	-	-	-	\$ 338,137
Meade	\$ 1,049,337	\$ 1,049,337	-	-	-	-	-	\$ 1,049,337
Menifee	\$ 238,315	\$ 238,315	-	-	-	-	-	\$ 238,315
Mercer	\$ 805,512	\$ 805,512	-	-	-	-	-	\$ 805,512
Metcalfe	\$ 369,868	\$ 369,868	-	-	-	-	-	\$ 369,868
Monroe	\$ 391,132	\$ 391,132	-	-	-	-	-	\$ 391,132
Montgomery	\$ 1,034,095	\$ 1,034,095	-	-	-	-	-	\$ 1,034,095
Morgan	\$ 488,787	\$ 488,787	-	-	-	-	-	\$ 488,787
Muhlenberg	\$ 1,124,625	\$ 1,124,625	-	-	-	-	-	\$ 1,124,625
Nelson	\$ 1,697,955	\$ 1,697,955	-	-	-	-	-	\$ 1,697,955
Nicholas	\$ 266,962	\$ 266,962	-	-	-	-	-	\$ 266,962
Ohio	\$ 881,205	\$ 881,205	-	-	-	-	-	\$ 881,205
Oldham	\$ 2,453,263	\$ 2,453,263	-	-	-	-	-	\$ 2,453,263
Owen	\$ 400,351	\$ 400,351	-	-	-	-	-	\$ 400,351
Owsley	\$ 162,145	\$ 162,145	-	-	-	-	-	\$ 162,145
Pendleton	\$ 535,833	\$ 535,833	-	-	-	-	-	\$ 535,833
Perry	\$ 945,989	\$ 945,989	-	-	-	-	-	\$ 945,989
Pike	\$ 2,125,557	\$ 2,125,557	-	-	-	-	-	\$ 2,125,557
Powell	\$ 453,897	\$ 453,897	-	-	-	-	-	\$ 453,897
Pulaski	\$ 2,386,422	\$ 2,386,422	-	-	-	-	-	\$ 2,386,422
Robertson	\$ 77,421	\$ 77,421	-	-	-	-	-	\$ 77,421
Rockcastle	\$ 613,141	-	\$ 613,141	-	-	-	-	-
Rowan	\$ 898,319	\$ 898,319	-	-	-	-	-	\$ 898,319
Russell	\$ 658,241	\$ 658,241	-	-	-	-	-	\$ 658,241
Scott	\$ 2,093,531	\$ 2,093,531	-	-	-	-	-	\$ 2,093,531
Shelby	\$ 1,800,458	\$ 1,800,458	-	-	-	-	-	\$ 1,800,458
Simpson	\$ 682,076	\$ 682,076	-	-	-	-	-	\$ 682,076
Spencer	\$ 710,686	-	\$ 710,686	-	-	-	-	-
Taylor	\$ 946,393	\$ 946,393	-	-	-	-	-	\$ 946,393
Todd	\$ 451,510	\$ 451,510	-	-	-	-	-	\$ 451,510
Trigg	\$ 538,073	\$ 538,073	-	-	-	-	-	\$ 538,073
Trimble	\$ 311,106	\$ 311,106	-	-	-	-	-	\$ 311,106
Union	\$ 528,157	\$ 498,705	\$ 29,452	-	-	-	-	\$ 498,705
Warren	\$ 4,880,744	\$ 4,880,744	-	-	-	-	-	\$ 4,880,744
Washington	\$ 444,202	\$ 444,202	-	-	-	-	-	\$ 444,202
Wayne	\$ 746,751	\$ 746,751	-	-	-	-	-	\$ 746,751
Webster	\$ 475,308	\$ 475,308	-	-	-	-	-	\$ 475,308
Whitley	\$ 1,331,833	\$ 1,331,833	-	-	-	-	-	\$ 1,331,833
Wolfe	\$ 262,848	\$ 262,848	-	-	-	-	-	\$ 262,848
Woodford	\$ 981,834	\$ 981,834	-	-	-	-	-	\$ 981,834
Totals	\$ 150,000,000	\$ 147,010,502	\$ 2,989,498	\$ 15,109,020	\$ 109,020	\$ 15,000,000	-	\$ 162,119,522

Part A = \$ 150 M appropriated proportionally to counties.

Part B = \$ 50 M appropriated for projects including unserved rural areas (B1) or federal consent decree (B2).

Part C = \$ 49.9 M appropriated to cover funding shortfalls.

WRIS Project Number	Project Type	ADD	Primary County	Impacted Counties	Grantee	Project Title	Total Announced	SB36 Part A (County Allocation) Announced	SB36 Part B1 (Unservd Rural) Announced	SB36 Part B2 (Consent Decree) Announced	SB36 Part C (Funding Shortfall) Announced
WX21001027	Water	LCADD	Adair	Adair	Adair County Water District	CAUD - River Crossing & Loop	\$705,214	\$705,214	-	-	-
WX21003024	Water	BRADD	Allen	Allen	Allen County Water District	W Old State Road Waterline Extension	\$103,816	\$103,816	-	-	-
SX21003014	Sewer	BRADD	Allen	Allen	Scottsville, City of	Allen Springs Industrial Park - Sewer Collection System	\$679,000	\$679,000	-	-	-
SX21005011	Sewer	BGADD	Anderson	Anderson	Lawrenceburg, City of	Lawrenceburg - Nathan Way Area Sewer Improvements	\$602,407	\$602,407	-	-	-
WX21005008	Water	BGADD	Anderson	Anderson	South Anderson Water District	SAWD System Upgrades 2021	\$233,000	\$233,000	-	-	-
WX21007030	Water	PUADD	Ballard	Ballard	Barlow, City of	Barlow Water Meter Replacement	\$72,424	\$72,424	-	-	-
SX21007022	Sewer	PUADD	Ballard	Ballard McCracken	Kevil, City of	WASTEWATER SYSTEM IMPROVEMENTS	\$72,424	\$72,424	-	-	-
WX21007019	Water	PUADD	Ballard	Ballard	La Center, City of	LaCenter Municipal Water-Ac Line Replacement Phase I	\$72,424	\$72,424	-	-	-
WX21007028	Water	PUADD	Ballard	Ballard	Wickliffe, City of	PHOENIX PAPER PROPERTY	\$72,423	\$72,423	-	-	-
WX21009033	Water	BRADD	Barren	Barren	Glasgow Water and Sewer Commission	Glasgow Water Improvement - 24-Inch Transmission Line Pritchardsville to Old Cavalry Drive (Phase 5 of 6)	\$1,625,091	\$1,625,091	-	-	-
SX21011026	Sewer	GWADD	Bath	Bath	Bath County Fiscal Court	Sanitary Sewer Feasibility Study Project	\$76,512	\$76,512	-	-	-
WX21011040	Water	GWADD	Bath	Bath Menifee	Bath County Water District	BCWD Improvements And Upgrades	\$76,513	\$76,513	-	-	-
SX21011002	Sewer	GWADD	Bath	Bath	Owingsville, City of	City of Owingsville WWTP Disinfection Upgrade Project	\$76,512	\$76,512	-	-	-
WX21011013	Water	GWADD	Bath	Bath	Owingsville, City of	Waterline Replacement Project	\$76,513	\$76,513	-	-	-
WX21011021	Water	GWADD	Bath	Bath	Sharpsburg Water District	Sharpsburg Water Tank Rehab Project	\$76,513	\$76,513	-	-	-
SX21011025	Sewer	GWADD	Bath	Bath	Sharpsburg, City of	City of Sharpsburg Package Treatment Plant Rehab	\$76,513	\$76,513	-	-	-
SX21013007	Sewer	CVADD	Bell	Bell	Middlesboro, City of	Middlesboro WWTP Improvements Phase 1	\$307,300	\$307,300	-	-	-
SX21013009	Sewer	CVADD	Bell	Bell	Middlesboro, City of	Middlesboro Main Sewage LS Rehab	\$170,752	\$170,752	-	-	-
SX21013003	Sewer	CVADD	Bell	Bell	Pineville, City of	Virginia Avenue/Courthouse Square Utility Replacements	\$478,000	\$478,000	-	-	-
WX21013005	Water	CVADD	Bell	Bell	Pineville, City of	Pineville Auxiliary Power Provisions	-	-	-	-	-
WX21015025	Water	NKADD	Boone	Boone	Boone County Fiscal Court	Boone County Rural Waterline Extensions	\$1,226,476	\$1,226,476	-	-	-
WX21015008	Water	NKADD	Boone	Boone	Boone County Water District	KY-18 Green Acres to Kelly Elementary	\$1,226,475	\$1,226,475	-	-	-
SX21015013	Sewer	NKADD	Boone	Boone	Sanitation District #1 of Northern Kentucky	Central Boone County Master Sewer Plan - Phase I	\$2,452,951	\$2,452,951	-	-	-
SX21015014	Sewer	NKADD	Boone	Boone	Sanitation District #1 of Northern Kentucky	Central Boone County Master Sewer Plan - Phase II	\$3,650,000	-	-	\$3,650,000	-
SX21017022	Sewer	BGADD	Bourbon	Bourbon	Paris, City of	Millersburg Road Sanitary Sewer Extension	\$726,735	\$726,735	-	-	-
WX21019058	Water	FIVCO	Boyd	Boyd	Ashland, City of	US 23 Winchester Avenue Water Main Replacement - Phase I	\$540,000	\$540,000	-	-	-
WX21019060	Water	FIVCO	Boyd	Boyd	Big Sandy Water District	REPLACEMENT WATER INTERCONNECTION - KENOVA WV	\$417,000	\$417,000	-	-	-
WX21019057	Water	FIVCO	Boyd	Boyd	Cannonsburg Water District	Phase II - Shoppes Road Water Line Replacement	\$540,517	\$540,517	-	-	-
SX21019089	Sewer	FIVCO	Boyd	Boyd	Catlettsburg, City of	Pump Station Rehabilitation and Repair	\$338,250	\$338,250	-	-	-
SX21167019	Sewer	BGADD	Boyle	Boyle Mercer	Mercer County Sanitation District	M C S D - Gwinn Island Road Sanitary Sewer Extension	\$1,276,592	\$1,276,592	-	-	-
SX21023012	Sewer	BTADD	Bracken	Bracken	Augusta Regional Sewer Authority	ARSA I & I Reduction & Sewer Rehab Phase 1	\$145,000	\$145,000	-	-	-
WX21023039	Water	BTADD	Bracken	Bracken	Augusta, City of	Augusta Lagoon Cleaning	\$80,000	\$80,000	-	-	-
WX21023051	Water	BTADD	Bracken	Bracken	Bracken County Water District	BCWD Pump Stations Rehab	\$79,936	\$79,936	-	-	-
WX21025049	Water	KRADD	Breathitt	Breathitt	Jackson, City of	Beverly Heights and Sigman Drive Waterline Extension	\$463,850	\$463,850	-	-	-
SX21027018	Sewer	LTADD	Breckinridge	Breckinridge	Cloverport, City of	Cloverport Sewer System Lift Station Rehabilitation	\$152,000	\$152,000	-	-	-
SX21027024	Sewer	LTADD	Breckinridge	Breckinridge	Hardinsburg, City of	Mattingly Lift Station Replacement	\$450,000	\$450,000	-	-	-
SX21027020	Sewer	LTADD	Breckinridge	Breckinridge	Irvington, City of	Irvington Manhole Rehabilitation Project	\$150,039	\$150,039	-	-	-
SX21029038	Sewer	KIPDA	Bullitt	Bullitt	Lebanon Junction, City of	West Oak Street Interceptor	\$395,000	\$395,000	-	-	-
SX21029039	Sewer	KIPDA	Bullitt	Bullitt Jefferson	Louisville and Jefferson County MSD	Hunters Hollow Pump Station & Force Main Project	\$307,856	\$307,856	-	-	-
WX21029090	Water	KIPDA	Bullitt	Bullitt	Louisville Water Company	John Lee Road 8" Water Main Extension	\$348,330	\$348,330	-	-	-
WX21111194	Water	KIPDA	Bullitt	Bullitt	Louisville Water Company	Eagles Road 6" Water Main Extension	\$252,680	\$252,680	-	-	-
WX21029257	Water	KIPDA	Bullitt	Bullitt	North Nelson Water District	Water Main Extensions - Bullitt County	\$1,695,770	\$1,695,770	-	-	-
WX21033026	Water	PEADD	Caldwell	Caldwell	Caldwell County Water District	Caldwell County Water District - Miscellaneous System Improvements	\$220,000	\$220,000	-	-	-
WX21033027	Water	PEADD	Caldwell	Lyon	Fredonia, City of	Fredonia - Leak Detection and Waterline Rehabilitation Project	\$28,147	\$28,147	-	-	-
SX21033010	Sewer	PEADD	Caldwell	Caldwell	Princeton Water & Wastewater Commission	Princeton - WWTP Improvements-Grit Chamber and Sludge Holding Tank	\$220,000	\$220,000	-	-	-
WX21035035	Water	PUADD	Calloway	Calloway	Dexter-Almo Heights Water District	Dexter-Almo Heights- Hwy 464 extension from Hopkins Road	\$300,000	\$300,000	-	-	-
WX21035045	Water	PUADD	Calloway	Calloway	Dexter-Almo Heights Water District	Hickory Rd. Phase 3			-	-	-

WX21035048	Water	PUADD	Calloway	Calloway	Murray, City of	4th ST. Water Main Relocation	\$932,352	\$932,352	-	-	-
SX21035023	Sewer	PUADD	Calloway	Calloway	South 641 Water District	South 641 - System Rehab Phase II	\$200,000	\$200,000	-	-	-
WX21037311	Water	NKADD	Campbell	Campbell	Northern Kentucky Water District	Water Main Replacement - Newport and The Ovation	\$1,000,000	\$1,000,000	-	-	-
SX21037007	Sewer	NKADD	Campbell	Campbell	Sanitation District #1 of Northern Kentucky	US27 and AA Highway Sewer Improvements	\$3,786,970	\$2,436,970	-	\$1,350,000	-
WX21039033	Water	PUADD	Carlisle	Carlisle	Milburn Water District	AC Line Rehabilitation	\$174,816	\$174,816	-	-	-
WX21041010	Water	NKADD	Carroll	Carroll	Carroll County Fiscal Court	Hwy 36 HDPE Replacement	\$100,000	\$100,000	-	-	-
WX21041011	Water	NKADD	Carroll	Carroll Trimble	Carroll County Fiscal Court	West Carroll Service Replacements	\$100,000	\$100,000	-	-	-
WX21043049	Water	FIVCO	Carter	Carter	Grayson Utilities Commission	KY 3297 Waterline Replacement	\$566,000	\$566,000	-	-	-
WX21043053	Water	FIVCO	Carter	Carter	Olive Hill, City of	Olive Hill Leak Detection and Repair	\$325,120	\$325,120	-	-	-
WX21043052	Water	FIVCO	Carter	Carter	Rattlesnake Ridge Water District	RATTLESNAKE RIDGE GPS/GIS SYSTEM	\$93,028	\$93,028	-	-	-
WX21045016	Water	LCADD	Casey	Casey	East Casey County Water District	2020 System Upgrades	\$593,456	\$593,456	-	-	-
WX21047041	Water	PEADD	Christian	Christian Todd	Christian County Water District	Christian County Water District- 2021 System Extension Project (Phase IX)	\$1,133,549	\$1,133,549	-	-	-
SX21047033	Sewer	PEADD	Christian	Christian	Hopkinsville Water Environment Authority	ARPA Sewer Manhole Rehabilitation Project	\$100,000	\$100,000	-	-	-
SX21047034	Sewer	PEADD	Christian	Christian	Hopkinsville Water Environment Authority	HWEA - Sominco Farms SPS			-	-	-
SX21047036	Sewer	PEADD	Christian	Christian	Hopkinsville Water Environment Authority	Conference Center Force Main Relocation	\$400,000	\$400,000	-	-	-
WX21047042	Water	PEADD	Christian	Christian	Hopkinsville Water Environment Authority	ARPA AMR/AMI Water Meter Replacement Program	\$685,370	\$685,370	-	-	-
WX21047050	Water	PEADD	Christian	Christian	Oak Grove, City of	Oak Grove - Commercial Meter Replacement Project	\$268,835	\$268,835	-	-	-
SX21049045	Sewer	BGADD	Clark	Clark Harrison	Clark County Sanitation District	Clark Co SD - Rockwell Road Sanitary Sewer Improvements	\$600,000	\$600,000	-	-	-
WX21049043	Water	BGADD	Clark	Clark	East Clark County Water District	Muddy Creek Booster Pump Station Rehabilitation and Zone Meterin	\$350,000	\$350,000	-	-	-
SX21049026	Sewer	BGADD	Clark	Clark	Winchester Municipal Utilities Commission	WMU - Flanagan and Madison Outfall Sewers	\$5,000,000	-	-	\$5,000,000	-
WX21049042	Water	BGADD	Clark	Clark	Winchester Municipal Utilities Commission	WMU - KY River Intake Emergency Power & Reservoir Interconnectio	\$381,797	\$381,797	-	-	-
WX21051019	Water	CVADD	Clay	Clay	Manchester, City of	Manchester - Water Tank Rehabilitation	\$365,442	\$365,442	-	-	-
WX21051020	Water	CVADD	Clay	Clay	North Manchester Water Association Inc	2021 Water System Improvements Project	\$365,443	\$365,443	-	-	-
SX21053016	Sewer	LCADD	Clinton	Clinton	Albany, City of	Albany Bypass Sewer System Extension	\$375,267	\$375,267	-	-	-
WX21055018	Water	PEADD	Crittenden	Livingston	Crittenden-Livingston County Water District	CLWD-WTP Filter Replacement-Crittenden CWG	\$150,000	\$150,000	-	-	-
SX21055006	Sewer	PEADD	Crittenden	Crittenden	Marion, City of	City of Marion - New Wastewater Treatment Plant	\$173,410	\$173,410	-	-	-
SX21057004	Sewer	LCADD	Cumberland	Cumberland	Burkesville, City of	Burkesville Potter Home Lift Station Improvements	\$121,453	\$121,453	-	-	-
WX21057022	Water	LCADD	Cumberland	Cumberland	Cumberland County Water District	Marrowbone Area Water System Replacement	\$121,453	\$121,453	-	-	-
WX21059045	Water	GRADD	Daviess	Daviess	Daviess County Fiscal Court	Jack Hinton Road Water Main Project	\$847,596	\$847,596	-	-	-
WX21059055	Water	GRADD	Daviess	Daviess	Daviess County Water District	Reed Road Pump Upgrade	\$165,000	\$165,000	-	-	-
WX21059075	Water	GRADD	Daviess	Daviess	Daviess County Water District	Carter Road Pump Station Upgrade	\$165,000	\$165,000	-	-	-
WX21059077	Water	GRADD	Daviess	Daviess	Daviess County Water District	HWY 54 Waterline Relocation	\$275,000	\$275,000	-	-	-
WX21059078	Water	GRADD	Daviess	Daviess	Daviess County Water District	Wing Avenue - Wimsatt Court Waterline Upgrade	\$1,310,000	\$1,310,000	-	-	-
WX21059081	Water	GRADD	Daviess	Daviess	Daviess County Water District	Daviess County Water District Master Meter Installation Project	\$200,000	\$200,000	-	-	-
WX21059076	Water	GRADD	Daviess	Daviess	Owensboro Municipal Utilities	Birkhead Ave Small Main Replacement	\$54,000	\$54,000	-	-	-
WX21059085	Water	GRADD	Daviess	Daviess	Owensboro Municipal Utilities	Jeff Place Small Main Replacement	\$55,000	\$55,000	-	-	-
WX21059086	Water	GRADD	Daviess	Daviess	Owensboro Municipal Utilities	Stonewall Court Small Main Replacement	\$60,000	\$60,000	-	-	-
WX21059087	Water	GRADD	Daviess	Daviess	Owensboro Municipal Utilities	Cedar Street Small Main Replacement	\$128,000	\$128,000	-	-	-
SX21059063	Sewer	GRADD	Daviess	Daviess	Regional Water Resource Agency	Williamsburg Square Pump station and Force Main	\$269,823	\$269,823	-	-	-
WX21059031	Water	GRADD	Daviess	Daviess	Whitesville, City of	Ward Road Water Line Upgrade	\$198,679	\$198,679	-	-	-
WX21061030	Water	BRADD	Edmonson	Edmonson	Edmonson County Water District	Pump Station Improvements	\$446,221	\$446,221	-	-	-
SX21063003	Sewer	FIVCO	Elliott	Elliott	Sandy Hook, City of	Buck Moble Pump Station Renovation	\$276,070	\$276,070	-	-	-
WX21065008	Water	BGADD	Estill	Estill	Irvine Municipal Utilities Commission	ECWD/IMU - Master Meter Relocation and River Crossing	\$518,058	\$518,058	-	-	-
SX21067064	Sewer	BGADD	Fayette	Fayette Jessamine	Lexington-Fayette Urban County Government	UltraViolet (UV) Radiation WWTP Disinfection Retrofit	\$11,868,095	\$11,868,095	-	-	-
WX21069018	Sewer	BTADD	Fleming	Fleming	Flemingsburg, City of	Sanitary Sewer Rehabilitation and I&I Removal	\$133,875	\$133,875	-	-	-
SX21069042	Water	BTADD	Fleming	Fleming Mason	Flemingsburg, City of	Dorothy Street Water Main Replacement	\$133,877	\$133,877	-	-	-
WX21069046	Water	BTADD	Fleming	Fleming	Greater Fleming Regional Water Commission	GFCRWC Water Storage Tank #2 Repaint	\$133,875	\$133,875	-	-	-
WX21069045	Water	BTADD	Fleming	Fleming	Western Fleming County Water District	Delaney Tower Painting and Repairs	\$133,875	\$133,875	-	-	-
SX21071018	Sewer	BSADD	Floyd	Floyd	Martin, City of	Wastewater Plant Rehabilitation	\$152,760	\$152,760	-	-	-
WX21071016	Water	BSADD	Floyd	Floyd	Martin, City of	Interconnect for Emergency	\$174,000	\$174,000	-	-	-
WX21071017	Water	BSADD	Floyd	Floyd	Prestonsburg City's Utilities Commission	Prestonsburg City's Utilities Commission (PCUC) Water Meter Replacement Phase 1	\$327,924	\$327,924	-	-	-
SX21071001	Water	BSADD	Floyd	Floyd	Southern Water & Sewer District	Telemetry Upgrades and Replacement Project	\$325,000	\$325,000	-	-	-
WX21071017	Sewer	BSADD	Floyd	Floyd	Wheelwright Utilities Commission	Wheelwright WWTP and Lift Station Improvement	\$137,359	\$137,359	-	-	-
WX21071904	Water	BSADD	Floyd	Floyd	Wheelwright Utilities Commission	Wheelwright-Water Source Renovation	\$190,000	\$190,000	-	-	-

SX21073047	Sewer	BGADD	Franklin	Franklin	Frankfort, City of	Frankfort Sewer Department FSD Prevention Park Pump Station Replacement	\$1,872,698	\$1,872,698	-	-	-
SX21075011	Sewer	PUADD	Fulton	Fulton	Fulton, City of	Sewer Lift Station "A" Replacement	\$109,609	\$109,609	-	-	-
SX21075012	Sewer	PUADD	Fulton	Fulton	Hickman, City of	Brownsville booster pump	\$109,609	\$109,609	-	-	-
WX21077003	Water	NKADD	Gallatin	Gallatin	Carroll County Water District #1	CCWD Water Production/Distribution Improvements	\$190,435	\$190,435	-	-	-
SX21077005	Sewer	NKADD	Gallatin	Gallatin	Carrollton Utilities	Sparta Pump Station Upgrades	\$45,100	\$45,100	-	-	-
SX21077006	Sewer	NKADD	Gallatin	Gallatin	Carrollton, City of	Glencoe Pump Station Updates	\$63,800	\$63,800	-	-	-
WX21077004	Water	NKADD	Gallatin	Gallatin	Gallatin County Water District	Sparta Tank Project	-	-	-	-	-
WX21077009	Water	NKADD	Gallatin	Gallatin	Gallatin County Water District	Miscellaneous System Improvements	\$116,823	\$116,823	-	-	-
SX21077007	Sewer	NKADD	Gallatin	Gallatin	Warsaw, City of	Warsaw US-42 Sewer Extension	\$100,000	\$100,000	-	-	-
SX21079020	Sewer	BGADD	Garrard	Garrard	Garrard Co Sanitation District	GCSD - Phase II - Paint Lick Sewer Project	\$50,000	\$50,000	-	-	-
SX21079022	Sewer	BGADD	Garrard	Garrard	Garrard Co Sanitation District	GCSD Master Plan	\$50,000	\$50,000	-	-	-
SX21079015	Sewer	BGADD	Garrard	Garrard	Lancaster, City of	City of Lancaster Sanitary Sewer Extension	\$548,802	\$548,802	-	-	-
WX21081010	Water	NKADD	Grant	Grant	Bullock Pen Water District	Bullock Pen Water Treatment Plant Replacement - Design Loan	\$115,085	\$115,085	-	-	-
WX21081011	Water	NKADD	Grant	Grant	Corinth Water District	Stringtown Tank Restoration	\$155,085	\$155,085	-	-	-
SX21081005	Sewer	NKADD	Grant	Grant	Corinth, City of	Treatment Plant Restoration	\$75,085	\$75,085	-	-	-
WX21081024	Water	NKADD	Grant	Grant	Dry Ridge, City of	E-Z Street Water Tower Repairs	\$230,170	\$230,170	-	-	-
SX21081003	Sewer	NKADD	Grant	Grant	Grant County Sanitary Sewer District	Wastewater Treatment Plant Upgrade	\$115,085	\$115,085	-	-	-
WX21081009	Water	NKADD	Grant	Grant	Williamstown, City of	Humes Ridge Water Tank Replacement	\$230,175	\$230,175	-	-	-
SX21083065	Sewer	PUADD	Graves	Graves	Mayfield Electric & Water Systems	FANCY FARM WASTEWATER FACILITIES	\$100,000	\$100,000	-	-	-
WX21083063	Water	PUADD	Graves	Graves	Mayfield Electric & Water Systems	Mayfield Electric & Water- Mayfield WTP Rehabilitation	\$394,478	\$394,478	-	-	-
WX21083080	Water	PUADD	Graves	Graves	Mayfield Electric & Water Systems	WATER STORAGE TANK REHABILITATION	\$500,000	\$500,000	-	-	-
WX21083015	Water	PUADD	Graves	Graves	Symsonia Water District	Symsonia Extension KY 131	\$134,000	\$134,000	-	-	-
SX21083068	Sewer	PUADD	Graves	Graves	Wingo, City of	City of Wingo - Wastewater Lagoon Rehab and I/I Removal	\$240,155	\$240,155	-	-	-
WX21085035	Water	LTADD	Grayson	Grayson	Caneyville, City of	Caneyville Water System Rehabilitation	\$63,642	\$63,642	-	-	-
SX21085014	Sewer	LTADD	Grayson	Grayson	Clarkson, City of	Clarkson Sewer Lift Station Repair	\$25,000	\$25,000	-	-	-
WX21085044	Water	LTADD	Grayson	Grayson	Edmonson County Water District	Edmonson Co. WD Grayson Improvements	\$166,112	\$166,112	-	-	-
WX21085043	Water	LTADD	Grayson	Grayson	Grayson County Water District	GCWD Caneyville System Improvements	\$409,305	\$409,305	-	-	-
WX21085030	Water	LTADD	Grayson	Grayson	Leitchfield, City of	Leitchfield Water AMR Upgrade Project	\$306,500	\$306,500	-	-	-
WX21089093	Water	FIVCO	Greenup	Greenup	Flatwoods, City of	City of Flatwoods Water Tank Rehab Project	\$130,000	\$130,000	-	-	-
WX21089105	Water	FIVCO	Greenup	Greenup	Greenup, City of	Greenup Rt. 1 Line Upgrade	\$130,000	\$130,000	-	-	-
WX21089109	Water	FIVCO	Greenup	Greenup	Raceland, City of	Radio Read Meters	\$128,000	\$128,000	-	-	-
WX21089108	Water	FIVCO	Greenup	Greenup	Russell, City of	Russell Raw Water Intake Emergency Replacement	\$612,000	\$612,000	-	-	-
WX21089107	Water	FIVCO	Greenup	Greenup	South Shore, City of	Main Street Water Line Reconstruction	\$164,731	\$164,731	-	-	-
WX21089005	Water	FIVCO	Greenup	Greenup	Worthington, City of	Worthington: Clean out Wells to Increase Output	\$62,140	\$62,140	-	-	-
SX21089127	Sewer	FIVCO	Greenup	Greenup	Wurtland, City of	City of Wurtland Liftstation Rehab	\$62,140	\$62,140	-	-	-
WX21091075	Water	GRADD	Hancock	Hancock	Lewisport, City of	Lewisport/EDCWA Emergency Interconnect	\$37,325	\$37,325	-	-	-
WX21091101	Water	GRADD	Hancock	Hancock	Lewisport, City of	County Booster Station Improvement	\$283,000	\$283,000	-	-	-
SX21093035	Sewer	LTADD	Hardin	Hardin	Elizabethtown, City of	Elizabethtown: Leitchfield Rd Sewer Line Upgrades	\$756,400	\$756,400	-	-	-
SX21093020	Sewer	LTADD	Hardin	Hardin	Hardin County Water District #1	HCWD#1 Radcliff WWTP Improvements	\$205,000	\$205,000	-	-	-
WX21093043	Water	LTADD	Hardin	Hardin	Hardin County Water District #1	HCWD#1 Waterline Replacements & Extensions	\$1,000,000	\$1,000,000	-	-	-
WX21093052	Water	LTADD	Hardin	Hardin	Hardin County Water District #2	HCWD#2 Mulberry Tank	\$1,762,000	\$1,762,000	-	-	-
SX21093036	Sewer	LTADD	Hardin	Hardin	Vine Grove, City of	Vine Grove WWTP Improvements III	\$117,900	\$117,900	-	-	-
SX21093037	Sewer	LTADD	Hardin	Hardin	Vine Grove, City of	Vine Grove Sewer Improvements	\$39,607	\$39,607	-	-	-
WX21093059	Water	LTADD	Hardin	Hardin	Vine Grove, City of	Vine Grove Main Street- Water Line Improvements	\$146,141	\$146,141	-	-	-
SX21093021	Sewer	LTADD	Hardin	Hardin	West Point, City of	West Point Lift Station Upgrad	\$48,000	\$48,000	-	-	-
WX21095011	Water	CVADD	Harlan	Harlan	Black Mountain Utility District	Wallins Rehabilitation Project	\$820,000	\$820,000	-	-	-
WX21095004	Water	CVADD	Harlan	Harlan	Cawood Water District	US 421 - KY 3001 Waterline Replacement	\$135,244	\$135,244	-	-	-
SX21097014	Sewer	BGADD	Harrison	Harrison	Cynthiana, City of	Cynthiana - Country Club Area Pump Station Replacement	\$62,000	\$62,000	-	-	-
WX21097028	Water	BGADD	Harrison	Harrison	Cynthiana, City of	Cynthiana - Industrial Park Water Tank and WTP Upgrade	\$269,287	\$269,287	-	-	-
SX21097016	Sewer	BGADD	Harrison	Harrison	Harrison County Sanitation District	HCSDD - Phase 2 Sewer Project	\$167,787	\$167,787	-	-	-
WX21097029	Water	BGADD	Harrison	Harrison	Harrison County Water Association Inc	US 27 & KY 353 Water Main Replacement and Extension Project	\$134,087	\$134,087	-	-	-
WX21097030	Water	BGADD	Harrison	Harrison	Harrison County Water Association Inc	HCWA - KY 353 Water Main Extension Project	\$60,447	\$60,447	-	-	-
WX21099046	Water	BRADD	Hart	Hart	Edmonson County Water District	ECWD - Hart County Service Improvements	\$202,773	\$202,773	-	-	-
WX21099041	Water	BRADD	Hart	Hart	Green River Valley Water District	Hart County Water Line Project (GRVWD)	\$403,307	\$403,307	-	-	-
WX21099045	Water	BRADD	Hart	Hart	Green River Valley Water District	Shady Lane and Caldwell Road Water Line Extension	\$93,000	\$93,000	-	-	-

SX21101043	Sewer	GRADD	Henderson	Henderson	Corydon, City of	Corydon Pump Station Rehab	\$100,000	\$100,000	-	-	-
WX21101127	Water	GRADD	Henderson	Henderson	Henderson County Water District	Spottsville Bridge Crossing Project	\$200,000		-	-	-
SX21101047	Sewer	GRADD	Henderson	Henderson	Henderson Water Utility	KY 425 Industrial Park - Sewer, Force Main & Pump Station	\$610,384	\$610,384	-	-	-
WX21101134	Water	GRADD	Henderson	Henderson	Henderson Water Utility	KY 425 Industrial Park - Water Main	\$750,000	\$750,000	-	-	-
SX21103014	Sewer	KIPDA	Henry	Henry	Campbellsburg, City of	I-71 Exit 34 Sewer Extension	\$539,014	\$539,014	-	-	-
WX21103060	Water	KIPDA	Henry	Trimble	Henry County Water District #2	Filter #1 Rehabilitation	\$33,230	\$33,230	-	-	-
WX21103061	Water	KIPDA	Henry	Henry	New Castle, City of	New Castle Water Meter Replacement Project - Phase I	\$20,000		-	-	-
WX21105010	Water	PUADD	Hickman	Hickman	Columbus, City of	Columbus Water Works - Water Tank Maintenance	\$160,860	\$160,860	-	-	-
SX21107025	Sewer	PEADD	Hopkins	Hopkins	Dawson Springs City Water and Sewer	Sanitary Sewer System Rehabilitation and WWTP Improvements	\$200,000	\$200,000	-	-	-
WX21107066	Water	PEADD	Hopkins	Hopkins	Earlington, City of	Earlington - South Atkinson Avenue Waterline Replacement Project	\$110,000	\$110,000	-	-	-
WX21107055	Water	PEADD	Hopkins	Hopkins	Hanson, City of	Hanson - Line Upgrades & Valve Installation Project	\$110,000	\$110,000	-	-	-
WX21107070	Water	PEADD	Hopkins	Hopkins	Madisonville Municipal Utilities	Madisonville - Bartlett Ave Water Line Replacement Project	\$380,000	\$380,000	-	-	-
WX21107050	Water	PEADD	Hopkins	Hopkins	Mortons Gap, City of	Mortons Gap Water System Improvement Project	\$109,020		\$109,020	-	-
WX21107064	Water	PEADD	Hopkins	Hopkins	Mortons Gap, City of	Mortons Gap - White City Road Water Line Extension	\$110,000	\$110,000	-	-	-
WX21107054	Water	PEADD	Hopkins	Hopkins	Nebo Water District	Nebo - Pump Station Replacement, SCADA and AMR Project	\$160,000	\$160,000	-	-	-
WX21107069	Water	PEADD	Hopkins	Hopkins	North Hopkins Water District	North Hopkins - Water Tank Painting Project	\$150,000	\$150,000	-	-	-
WX21107059	Water	PEADD	Hopkins	Hopkins	Nortonville, City of	Nortonville Waterline Replacement Project	\$150,000	\$150,000	-	-	-
WX21107062	Water	PEADD	Hopkins	Hopkins	South Hopkins Water District	SHWD - Water System Improvements and New Administration Office	\$161,140	\$161,140	-	-	-
WX21107058	Water	PEADD	Hopkins	Hopkins	White Plains, City of	White Plains - Water Line and Service Replacement Project	\$110,000	\$110,000	-	-	-
SX21111024	Sewer	KIPDA	Jefferson	Jefferson	Louisville and Jefferson County MSD	Paddy's Run Flood Pumping Station - Capacity Improvements	\$12,039,997	\$7,039,997	-	\$5,000,000	-
WX21111192	Water	KIPDA	Jefferson	Jefferson	Louisville Water Company	Oak Street 48-inch Rehabilitation	\$5,114,360	\$5,114,360	-	-	-
WX21111193	Water	KIPDA	Jefferson	Jefferson	Louisville Water Company	W. Muhammad Ali Blvd. Area MRRP	\$1,925,637	\$1,925,637	-	-	-
WX21113035	Water	BGADD	Jessamine	Jessamine	Jessamine County Water District #1	JCWD #1 - Vincewood and Carolyn Lane Water Line Upgrades	\$79,000	\$79,000	-	-	-
WX21113050	Water	BGADD	Jessamine	Jessamine	Jessamine County Water District #1	JCWD #1 - Mead Court Water Line Upgrade	\$295,500	\$295,500	-	-	-
WX21113052	Water	BGADD	Jessamine	Jessamine	Jessamine County Water District #1	Jessamine County Water District No. 1 - SCADA Upgrade	\$40,000	\$40,000	-	-	-
WX21113049	Water	BGADD	Jessamine	Jessamine	Jessamine-South Elkhorn Water District	JSEWD - Parks Lane Tank Painting	\$414,500	\$414,500	-	-	-
SX21113029	Sewer	BGADD	Jessamine	Jessamine	Nicholasville, City of	Nicholasville SSES and Sewer Rehabilitation Phase I	\$858,000	\$858,000	-	-	-
SX21113026	Sewer	BGADD	Jessamine	Jessamine	Wilmore, City of	Wilmore Wastewater Collection System Rehabilitation - Phase 2	\$300,430	\$300,430	-	-	-
WX21115019	Water	BSADD	Johnson	Johnson	Paintsville Utilities Commission	Sugar Grove BPS & Water Supply Line Replacement	\$814,877	\$814,877	-	-	-
WX21117210	Water	NKADD	Kenton	Campbell Kenton	Northern Kentucky Water District	Emergency Power Generation for Taylor Mill Water Treatment Plant and Fort Thomas Treatment Plant Basin Improvements	\$1,000,000	\$1,000,000	-	-	-
SX21117011	Sewer	NKADD	Kenton	Kenton	Sanitation District #1 of Northern Kentucky	Walnut Hall Peach	\$2,133,176	\$2,133,176	-	-	-
SX21117012	Sewer	NKADD	Kenton	Kenton	Sanitation District #1 of Northern Kentucky	Route 8 Ludlow	\$2,000,000	\$2,000,000	-	-	-
SX21117013	Sewer	NKADD	Kenton	Kenton	Sanitation District #1 of Northern Kentucky	Crawford	\$1,000,000	\$1,000,000	-	-	-
WX21119030	Water	KRADD	Knott	Knott	Hindman, City of	Dry Fork Waterline Extension	\$125,311	\$125,311	-	-	-
WX21119026	Water	KRADD	Knott	Knott	Knott County Water & Sewer District	Waterline Extensions (Last Mile) and WTP Improvement Project	\$418,455	\$418,455	-	-	-
WX21121012	Water	CVADD	Knox	Knox	Knox County Utility Commission	Barbourville Connection - KY 225	\$1,143,833	\$1,143,833	-	-	-
WX21123020	Water	LTADD	Larue	Larue	Hodgenville, City of	Hodgenville Smith Plaza Tower Improvements	\$243,251	\$243,251	-	-	-
WX21123031	Water	LTADD	Larue	Larue	Larue County Water District #1	LCWD- Buffalo Water Tank Rehabilitation	\$285,531	\$285,531	-	-	-
WX21125031	Water	CVADD	Laurel	Laurel	Corbin City Utilities Commission	North Corbin Water Tank Rehab	\$110,988	\$110,988	-	-	-
WX21125028	Water	CVADD	Laurel	Laurel	East Laurel Water District	Old Salem Rd./McWhorter Rd. System Improvements	\$448,640	\$448,640	-	-	-
WX21125026	Water	CVADD	Laurel	Laurel	Laurel County Water District #2	Asin Water Storage Tank Rehabilitation	\$453,032	\$453,032	-	-	-
SX21125010	Sewer	CVADD	Laurel	Laurel	London Utility Commission	Rowland Industrial Park/192 Sewer Extension Project Phase I	\$339,313	\$339,313	-	-	-
WX21125549	Water	CVADD	Laurel	Laurel	West Laurel Water Association Inc	West Laurel Water Association - Hwy 552 Project	\$452,996	\$452,996	-	-	-
WX21125034	Water	CVADD	Laurel	Laurel	Wood Creek Water District	20" Transmission Main Relocate-System Improvements #8	\$428,452	\$428,452	-	-	-
WX21127028	Water	FIVCO	Lawrence	Boyd Lawrence	Lawrence County Fiscal Court	Blaine Waterline Extension	\$40,000	\$40,000	-	-	-
SX21127033	Sewer	FIVCO	Lawrence	Lawrence	Louisa, City of	New STP Planning & Design	\$402,533	\$402,533	-	-	-
SX21131005	Sewer	KRADD	Leslie	Leslie	Hyden, City of	Hyden Wastewater Rehabilitation	\$181,371	\$181,371	-	-	-
WX21131013	Water	KRADD	Leslie	Leslie	Hyden-Leslie County Water District	Leslie Waterline Replacement Phase I	\$181,372	\$181,372	-	-	-
SX21133015	Sewer	KRADD	Letcher	Letcher	Fleming-Neon, City of	Fleming-Neon Sewer Rehabilitation Project	\$15,831	\$15,831	-	-	-

SX21133024	Sewer	KRADD	Letcher	Letcher	Jenkins, City of	Sewer I&I	\$79,155	\$79,155	-	-	-
WX21133054	Water	KRADD	Letcher	Letcher	Letcher County Water & Sewer District	Regional Interconnect & Distribution Lines Cumberland River Ph4	\$696,570	\$696,570	-	-	-
SX21135021	Sewer	BTADD	Lewis	Lewis	Garrison-Quincy-Ky-O-Heights Water District	Garrison Regional Wastewater System Improvements	\$75,000	\$75,000	-	-	-
WX21135024	Water	BTADD	Lewis	Lewis	Garrison-Quincy-Ky-O-Heights Water District	Garrison Water Plant and Distribution Improvements	\$70,000	\$70,000	-	-	-
SX21135011	Sewer	BTADD	Lewis	Lewis	Lewis County Sanitation District #1	Pump Station Repairs/Grinder Pumps	\$96,938	\$96,938	-	-	-
WX21135023	Water	BTADD	Lewis	Lewis	Vanceburg, City of	Scotts Branch Road Water Line Replacement and SCADA System upgra	\$123,600	\$123,600	-	-	-
WX21135022	Water	BTADD	Lewis	Lewis	Western Lewis-Rectorville Water & Gas District	Service Replacement Project	\$122,000	\$122,000	-	-	-
SX21137018	Sewer	BGADD	Lincoln	Lincoln	Crab Orchard, City of	Phase 1 Stormwater Improvements	\$301,588	\$301,588	-	-	-
WX21137055	Water	BGADD	Lincoln	Lincoln	Hustonville, City of	Hustonville Phase 2 Water System Improvements	\$300,000	\$300,000	-	-	-
WX21137056	Water	BGADD	Lincoln	Lincoln	Stanford Water Commission	Stanford - Hicks Lane & Patrick Road Water Line Improvements	\$300,000	\$300,000	-	-	-
WX21139037	Water	PEADD	Livingston	Livingston	Grand Rivers, City of	Grand Rivers - East Side Water Distribution Improvements Phase II	\$150,329	\$150,329	-	-	-
SX21139014	Sewer	PEADD	Livingston	Livingston	Smithland, City of	Smithland Lagoon Rehabilitation Project	\$187,330	\$187,330	-	-	-
WX21141062	Water	BRADD	Logan	Logan	Adairville, City of	Adairville Water System Improvements	\$103,480	\$103,480	-	-	-
WX21141067	Water	BRADD	Logan	Logan	Auburn, City of	Water System Upgrade - Wilson Avenue Area	\$111,040	\$111,040	-	-	-
WX21141069	Water	BRADD	Logan	Logan	Auburn, City of	Water System Upgrade - W Main St Area	-	-	-	-	-
WX21141082	Water	BRADD	Logan	Logan	East Logan Water District	Ky Hwy 79 Master Meter Area - Meter Service Replacement Project	-	-	-	-	-
WX21141084	Water	BRADD	Logan	Logan	East Logan Water District	Montgomery Zone- Meter Service Replacement Project	\$144,375	\$144,375	-	-	-
WX21219044	Water	BRADD	Logan	Logan	Logan-Todd Regional Water Commission	LTRWC - Replace North Russellville Corroded Pipe	\$261,040	\$261,040	-	-	-
WX21141074	Water	BRADD	Logan	Logan	Russellville, City of	2021 System Upgrade and Sidewalk Project	\$111,040	\$111,040	-	-	-
WX21141083	Water	BRADD	Logan	Logan	South Logan Water Association Inc	SLWA - Distribution Upgrade & Extension Project	-	-	-	-	-
WX21141085	Water	BRADD	Logan	Logan	South Logan Water Association Inc	Schochoh Water Tank Painting & Rehab	\$120,000	\$120,000	-	-	-
WX21141080	Water	BRADD	Logan	Logan	Todd County Water District	Water Meter Enhancement - Cellular Endpoints	\$144,374	\$144,374	-	-	-
SX21143011	Sewer	PEADD	Lyon	Lyon	Eddyville, City of	Wastewater SSES and Rehabilitation - South of Fairview Ave	\$100,507	\$100,507	-	-	-
SX21143018	Sewer	PEADD	Lyon	Lyon	Kuttawa, City of	Kuttawa - Phase V SSES and Rehabilitation Project	\$100,507	\$100,507	-	-	-
WX21143022	Water	PEADD	Lyon	Lyon	Lyon County Water District	LCWD - Water Service Line Extensions	\$100,507	\$100,507	-	-	-
SX21145040	Sewer	PUADD	McCracken	McCracken	Paducah McCracken County Joint Sewer Agency	Manhole Rehabilitation	\$119,272	\$119,272	-	-	-
SX21145041	Sewer	PUADD	McCracken	McCracken	Paducah McCracken County Joint Sewer Agency	Sanitary Main Rehabilitation	\$1,082,000	\$1,082,000	-	-	-
WX21145090	Water	PUADD	McCracken	McCracken	Paducah Water Works	Midtown Area Water Main Replacement	\$1,201,272	\$1,201,272	-	-	-
SX21147001	Sewer	LCADD	McCreary	McCreary	McCreary County Water District	Old RECC and Office Sanitary Sewer Pump Station Replacements	\$252,076	\$252,076	-	-	-
WX21147032	Water	LCADD	McCreary	McCreary	McCreary County Water District	WTP Activated Carbon Feed Systems	\$380,750	\$380,750	-	-	-
WX21149068	Water	GRADD	McLean	McLean	Calhoun, City of	Calhoun Water Tank Repair Project	\$100,000	\$100,000	-	-	-
WX21149043	Water	GRADD	McLean	McLean	Livermore, City of	Livermore Meter Replacement Project	\$100,000	\$100,000	-	-	-
WX21149071	Water	GRADD	McLean	McLean	McLean County Fiscal Court	Beech Grove Meter Replacement	\$20,000	\$20,000	-	-	-
WX21149070	Water	GRADD	McLean	McLean	McLean County Regional Water Commission	MCRWC Rumsey PRV	\$20,000	\$20,000	-	-	-
WX21149004	Water	GRADD	McLean	McLean	Sacramento, City of	Sacramento Tank Repainting	\$98,137	\$98,137	-	-	-
SX21151059	Sewer	BGADD	Madison	Madison	Berea, City of	Berea - Brushy Fork Sanitary Sewer Rehabilitation Project	\$588,571	\$588,571	-	-	-
WX21151067	Water	BGADD	Madison	Madison	Kirksville Water Association Inc	Proposed Cross Country KY 52 Water Line	\$106,071	\$106,071	-	-	-
WX21151064	Water	BGADD	Madison	Madison	Madison County Utilities District	Madison Co. Utilities District - College Hill Water Project	\$608,105	\$608,105	-	-	-
SX21151058	Sewer	BGADD	Madison	Madison	Northern Madison County Sanitation District	AppHarvest Sewer Connection Project	\$500,000	\$500,000	-	-	-
SX21151053	Sewer	BGADD	Madison	Madison	Richmond, City of	Richmond - TC15 Overflow Elimination Project	\$1,327,903	\$1,327,903	-	-	-
WX21151068	Water	BGADD	Madison	Madison	Southern Madison Water District	SMWD - AMR Water Meters	\$34,675	\$34,675	-	-	-
WX21151069	Water	BGADD	Madison	Madison	Southern Madison Water District	SMWD - Bobtown Tank Rehabilitation	\$230,000	\$230,000	-	-	-
WX21151070	Water	BGADD	Madison	Madison	Southern Madison Water District	SMWD - New SCADA System	\$19,720	\$19,720	-	-	-
WX21153029	Water	BSADD	Magoffin	Magoffin	Magoffin County Water District	Magoffin County Water District - KY 542/1502 and KY 378 Water Project	\$311,625	\$311,625	-	-	-
SX21153006	Sewer	BSADD	Magoffin	Magoffin	Salyersville Water Works	Salyersville Route 30 Pressure Sewer	\$55,000	\$55,000	-	-	-
WX21153039	Water	BSADD	Magoffin	Magoffin	Salyersville Water Works	SCADA Upgrade	\$80,000	\$80,000	-	-	-
WX21155047	Water	LTADD	Marion	Marion	Lebanon Water Works Company Inc	Fagan Branch Flow Metering	\$83,524	\$83,524	-	-	-
WX21155048	Water	LTADD	Marion	Marion	Lebanon Water Works Company Inc	Lebanon Water Works Actuator and Valve Replacement	\$247,029	\$247,029	-	-	-
WX21155050	Water	LTADD	Marion	Marion	Lebanon Water Works Company Inc	Lebanon Water Works Turbidity Unit	\$7,078	\$7,078	-	-	-
WX21155051	Water	LTADD	Marion	Marion	Marion County Water District	Marion Co W.D. KY Hwy 337 Water System Upgrades	\$276,050	\$276,050	-	-	-
WX21155052	Water	LTADD	Marion	Marion	Marion County Water District	Marion Co. W.D. Riley Water Tank Piping Upgrades	\$94,140	\$94,140	-	-	-

SX21157042	Sewer	PUADD	Marshall	Marshall	Benton, City of	LIFT STATION REHABILITATION Part 1	\$571,090	\$571,090	-	-	-
SX21157034	Sewer	PUADD	Marshall	Marshall	Hardin, City of	Hardin - Wastewater Rehabilitation Phase III	\$571,090	\$571,090	-	-	-
WX21159014	Water	BSADD	Martin	Martin	Martin County Water District	Water System Controls and Raw Water Modifications Phase II	\$411,148	\$411,148	-	-	-
SX21161028	Sewer	BTADD	Mason	Mason	Maysville, City of	Wall Street Combined Sewer Elimination	\$168,000	\$168,000	-	-	-
WX21161047	Water	BTADD	Mason	Mason	Western Lewis-Rectorville Water & Gas District	WLWWD Office Tank - Planning & Design	\$150,000	\$150,000	-	-	-
SX21161037	Sewer	BTADD	Mason	Mason	Western Mason Sanitation District	WMSD Grinder Pump Replacement Project	\$160,000	\$160,000	-	-	-
WX21161046	Water	BTADD	Mason	Mason	Western Mason Water District	Tank Rehab & Generator Project	\$148,914	\$148,914	-	-	-
WX21163025	Water	LTADD	Meade	Meade	Brandenburg, City of	Lawrence St. and Ekron Rd. Improvements	\$350,000	\$350,000	-	-	-
WX21163026	Water	LTADD	Meade	Meade	Meade County Water District	Meade Co. Water District Sirocco Rd, Milan Rd, Poplar Ct Extension	\$462,780	\$462,780	-	-	-
WX21163027	Water	LTADD	Meade	Meade	Meade County Water District	Meade Co. Water District Lone Star Rd/Big Dipper Trail Extension	\$58,080	\$58,080	-	-	-
WX21163036	Water	LTADD	Meade	Meade	Meade County Water District	Meade Co. Water District Chester Lane Extension	\$28,477	\$28,477	-	-	-
SX21163005	Sewer	LTADD	Meade	Meade	Muldraugh, City of	Muldraugh Sewer Improvements Phase 3	\$150,000	\$150,000	-	-	-
WX21165028	Water	GWADD	Menifee	Menifee	Cave Run Water Commission	CRWC Master Meter Change Out Project	\$39,000	\$39,000	-	-	-
WX21165017	Water	GWADD	Menifee	Menifee	Frenchburg, City of	Mountain Ridge Road & Ridge Runner Water Main Extension	\$91,150	\$91,150	-	-	-
SX21165022	Sewer	GWADD	Menifee	Menifee	Menifee County Fiscal Court	Menifee Co Sanitation District Means Area System Rehab	\$108,165	\$108,165	-	-	-
WX21167035	Water	BGADD	Mercer	Mercer	Burgin, City of	Burgin - Water system Improvements Project	\$167,607	\$167,607	-	-	-
SX21167024	Sewer	BGADD	Mercer	Mercer	Harrodsburg, City of	Harrodsburg Pump Station and Sanitary Rehabilitation	\$103,805	\$103,805	-	-	-
WX21167034	Water	BGADD	Mercer	Mercer	Harrodsburg, City of	Harrodsburg Water Main and Water Hydrant Replacements	\$111,360	\$111,360	-	-	-
WX21167017	Water	BGADD	Mercer	Boyle Mercer	Lake Village Water Association Inc	Lake Village Water Association - Contract 14 Water Main West Zone Upgrades	\$147,525	\$147,525	-	-	-
WX21167032	Water	BGADD	Mercer	Mercer	North Mercer Water District	NMWD - Brentwood Water Main Replacement	\$102,608	\$102,608	-	-	-
WX21169046	Water	BRADD	Metcalfe	Metcalfe	Edmonton, City of	Chris Harper Road Water Line Extension	\$123,289	\$123,289	-	-	-
WX21169044	Water	BRADD	Metcalfe	Metcalfe	Green River Valley Water District	Node Road Water Line Extension and Pump Station	\$123,289	\$123,289	-	-	-
WX21169045	Water	BRADD	Metcalfe	Metcalfe	Green-Taylor Water District	Rockland Mills Rd Water Line Extension	\$123,290	\$123,290	-	-	-
WX21171037	Water	BRADD	Monroe	Monroe	Fountain Run Water District #1	Fountain Run Water District #1 - Repaint/Rehab Existing Tank	\$123,000	\$123,000	-	-	-
WX21171052	Water	BRADD	Monroe	Monroe	Monroe County Water District	MCWD - Tanks Rehabilitation	\$268,132	\$268,132	-	-	-
WX21173048	Water	GWADD	Montgomery	Montgomery	Jeffersonville, City of	City of Jeffersonville Highway 1050 Line Replacement Project	\$129,262	\$129,262	-	-	-
WX21173106	Water	GWADD	Montgomery	Montgomery	Montgomery County Fiscal Court	Judy Water Association Meter Change-Out Project	\$129,261	\$129,261	-	-	-
WX21173152	Water	GWADD	Montgomery	Montgomery	Montgomery County Fiscal Court	Levee Road Water Association Oldham Tank and Mixing System	\$129,262	\$129,262	-	-	-
SX21173085	Sewer	GWADD	Montgomery	Menifee Montgomery	Montgomery County Sanitation District #2	Sewer Collection System Rehabilitation and WWTP Upgrades	\$129,262	\$129,262	-	-	-
WX21173044	Water	GWADD	Montgomery	Montgomery	Montgomery County Water District #1	MCWD #1 Vault Valve Replacement and Various Waterline Replacements	\$129,262	\$129,262	-	-	-
SX21173076	Sewer	GWADD	Montgomery	Montgomery	Mount Sterling Water and Sewer	Wykagyl/Bridgett Drive Project Phase I	\$129,262	\$129,262	-	-	-
WX21173041	Water	GWADD	Montgomery	Montgomery	Mount Sterling Water and Sewer	Mt. Sterling Water & Sewer Main Street Water Main Replacement	\$129,262	\$129,262	-	-	-
WX21173074	Water	GWADD	Montgomery	Montgomery	Reid Village Water District	Devonne Pump Station Pump Replacement and Meter Replacement Project	\$129,262	\$129,262	-	-	-
SX21175010	Sewer	GWADD	Morgan	Morgan	West Liberty, City of	City of West Liberty Sewer Line Replacement Project	\$121,895	\$121,895	-	-	-
SX21175025	Sewer	GWADD	Morgan	Morgan	West Liberty, City of	Branch Street & Henry Street Line Replacement	\$121,892	\$121,892	-	-	-
WX21175009	Water	GWADD	Morgan	Morgan	West Liberty, City of	Water Quality Improvements Project	\$245,000	\$245,000	-	-	-
WX21177039	Water	PEADD	Muhlenberg	Muhlenberg	Central City Municipal Water & Sewer System	Water System Improvements Project	\$187,437	\$187,437	-	-	-
WX21177042	Water	PEADD	Muhlenberg	Muhlenberg	Drakesboro, City of	Drakesboro - Water System Improvements	\$187,438	\$187,438	-	-	-
WX21177051	Water	PEADD	Muhlenberg	Muhlenberg	Greenville Utilities Commission	Greenville - Service Line Replacement Project	\$187,437	\$187,437	-	-	-
WX21177049	Water	PEADD	Muhlenberg	Muhlenberg	Muhlenberg County Water District #1	Muhlenberg Water District #1 - Lake Malone Tank Rehabilitation	\$187,438	\$187,438	-	-	-
WX21177048	Water	PEADD	Muhlenberg	Muhlenberg	Muhlenberg County Water District #3	Muhlenberg #3 - Water Tank Improvements Project	\$187,437	\$187,437	-	-	-
SX21177028	Sewer	PEADD	Muhlenberg	Muhlenberg	Powderly, City of	Powderly - Lift Station Rehabilitation Project	\$187,438	\$187,438	-	-	-
WX21179036	Water	LTADD	Nelson	Bullitt Nelson	North Nelson Water District	Nelson County Water Supply Project	\$1,697,955	\$1,697,955	-	-	-
WX21181004	Water	BGADD	Nicholas	Nicholas	Carlisle, City of	City of Carlisle Raw Water Intake Improvements	\$93,435	\$93,435	-	-	-
WX21181006	Water	BGADD	Nicholas	Nicholas	Carlisle, City of	Phase 2 - Drinking Water System Improvements	\$93,435	\$93,435	-	-	-
WX21181013	Water	BGADD	Nicholas	Nicholas	Nicholas County Water District	NCWD - PHASE 13 WATER SYSTEM IMPROVEMENTS	\$40,046	\$40,046	-	-	-
WX21181016	Water	BGADD	Nicholas	Bourbon Nicholas	Nicholas County Water District	NCWD - Wholesale Connection and Interconnect Project	\$40,046	\$40,046	-	-	-
SX21183020	Sewer	GRADD	Ohio	Ohio	Beaver Dam, City of	Knight Valley Subdivision Sewer Extension	\$175,763	\$175,763	-	-	-
WX21183050	Water	GRADD	Ohio	Ohio	Centertown, City of	Centertown City Center Waterline Replacement	-	-	-	-	-

WX21183051	Water	GRADD	Ohio	Ohio	Centertown, City of	Centertown Meter Replacement Project	\$175,763	\$175,763	-	-	-
WX21183047	Water	GRADD	Ohio	Ohio	Fordsville, City of	Fordsville Water Tank Rehab Project	\$178,152	\$178,152	-	-	-
WX21183048	Water	GRADD	Ohio	Ohio	Hartford, City of	Hartford Water Tank Reduction Project	\$175,763	\$175,763	-	-	-
WX21183053	Water	GRADD	Ohio	Ohio	Ohio County Water District	OCWD Meter Replacement	\$175,764	\$175,764	-	-	-
SK21185056	Sewer	KIPDA	Oldham	Oldham	La Grange Utilities Commission	La Grange North Interceptor	\$218,586	\$218,586	-	-	-
WX21185056	Water	KIPDA	Oldham	Oldham	La Grange Utilities Commission	La Grange/Oldham County Water Interconnections	\$262,990	\$262,990	-	-	-
SK21185053	Sewer	KIPDA	Oldham	Jefferson Oldham	Louisville and Jefferson County MSD	Ash Avenue Interceptor	\$590,991	\$590,991	-	-	-
WX21185017	Water	KIPDA	Oldham	Oldham	Louisville Water Company	Highway 1694 8" Water Main Extension	\$756,096	\$756,096	-	-	-
WX21185030	Water	KIPDA	Oldham	Oldham	Oldham County Water District	Storage Tank US 42 and Liberty Lane	\$624,600	\$624,600	-	-	-
WX21187005	Water	NKADD	Owen	Owen	Owen County Fiscal Court	Point of Rock Main Extension	\$400,351	\$400,351	-	-	-
WX21189500	Water	KRADD	Owsley	Owsley	Booneville, City of	Booneville Radio Read Meter Project	\$162,145	\$162,145	-	-	-
WX21191008	Water	NKADD	Pendleton	Pendleton	Butler, City of	Tank Rehabilitation	\$133,958	\$133,958	-	-	-
WX21191015	Water	NKADD	Pendleton	Pendleton	Butler, City of	Williams and Peoples Street Water	-	-	-	-	-
SK21191012	Sewer	NKADD	Pendleton	Pendleton	East Pendleton Water District	East Pendleton Water District Pump Station Elimination Project	\$133,958	\$133,958	-	-	-
SK21191013	Sewer	NKADD	Pendleton	Pendleton	Falmouth, City of	South Falmouth New Hope Pump Station Project	\$133,958	\$133,958	-	-	-
WX21191009	Water	NKADD	Pendleton	Pendleton	Pendleton County Water District	Pendleton County KY-3149	\$133,959	\$133,959	-	-	-
SK21193032	Sewer	KRADD	Perry	Perry	Perry County Fiscal Court	Combs Branch Lift Station Rehab Project	\$120,000	\$120,000	-	-	-
WX21193056	Water	KRADD	Perry	Perry	Perry County Fiscal Court	Perry County Various Roads Water Project	\$825,989	\$825,989	-	-	-
WX21195049	Water	BSADD	Pike	Pike	Elkhorn City, City of	Elkhorn City Aging Main Replacement	\$57,403	\$57,403	-	-	-
WX21195044	Water	BSADD	Pike	Pike	Mountain Water District	Brushy Creek-Sycamore Water Line Extension Project	\$1,616,674	\$1,616,674	-	-	-
WX21195037	Water	BSADD	Pike	Pike	Pikeville, City of	Pikeville Water Plant Filter Subsurface Wash System Improvements	\$451,480	\$451,480	-	-	-
SK21197004	Sewer	BGADD	Powell	Powell	Clay City, City of	Clay City - Phase II Sewer System Rehab	\$181,053	\$181,053	-	-	-
SK21197018	Sewer	BGADD	Powell	Powell	Powell's Valley Water District	2020 Natural Bridge State Park Sewer Project	\$150,392	\$150,392	-	-	-
WX21197020	Water	BGADD	Powell	Powell	Stanton, City of	Stanton - Water Improvements Project	\$122,452	\$122,452	-	-	-
WX21199048	Water	LCADD	Pulaski	Pulaski	Burnside, City of	Burnside Water Storage Tank	\$611,000	\$611,000	-	-	-
WX21199051	Water	LCADD	Pulaski	Pulaski	Burnside, City of	Burnside - Tank Cleaning & Painting Project	\$175,000	\$175,000	-	-	-
WX21199145	Water	LCADD	Pulaski	Pulaski	Science Hill, City of	Stanford Street Booster Pump Station	\$458,000	\$458,000	-	-	-
SK21199033	Sewer	LCADD	Pulaski	Pulaski	Somerset, City of	Ferguson - Sanitary Sewer Extensions	\$285,605	\$285,605	-	-	-
WX21199002	Water	LCADD	Pulaski	Pulaski	Somerset, City of	Oak Hill Storage Tank Replacement, 5 MG Booster Station, & Water Main Extension	\$285,606	\$285,606	-	-	-
WX21199146	Water	LCADD	Pulaski	Pulaski	South Eastern Water Association Inc	Sandy Gap Area Improvements	\$285,606	\$285,606	-	-	-
WX21199138	Water	LCADD	Pulaski	Pulaski	Western Pulaski County Water District	Faubush/Nancy Area Water Transmission Main	\$285,605	\$285,605	-	-	-
SK21201006	Sewer	BTADD	Robertson	Robertson	Mount Olivet, City of	Aeration System Upgrade/Grinder Pump Replacement Project	\$52,000	\$52,000	-	-	-
WX21201017	Water	BTADD	Robertson	Robertson	Mount Olivet, City of	Telemetry/SCADA Project	\$25,421	\$25,421	-	-	-
WX21205057	Water	GWADD	Rowan	Rowan	Morehead Utility Plant Board	MUPB Lead Removal Program - Phase 1	\$406,319	\$406,319	-	-	-
WX21205054	Water	GWADD	Rowan	Rowan	Rowan County Fiscal Court	East Clack Mtn Water Main Extension	\$342,000	\$342,000	-	-	-
WX21205055	Water	GWADD	Rowan	Rowan	Rowan County Fiscal Court	Rowan Water Inc New Permanent Office Generator Project	\$150,000	\$150,000	-	-	-
WX21207028	Water	LCADD	Russell	Russell	Jamestown, City of	KY 55 300,000 Gallon Elevated Water Storage Tank	\$329,120	\$329,120	-	-	-
WX21207032	Water	LCADD	Russell	Russell	Russell Springs, City of	Mt. Eden/Salem Area Water System Improvements	\$329,121	\$329,121	-	-	-
WX21209009	Water	BGADD	Scott	Scott	Georgetown, City of	GMWSS - Northwest Bypass Water Line Extension	\$2,093,531	\$2,093,531	-	-	-
SK21211020	Sewer	KIPDA	Shelby	Shelby	Shelbyville Municipal Water & Sewer Commission	Shelbyville 36-Inch Gravity Sewer	\$1,800,458	\$1,800,458	-	-	-
SK21213027	Sewer	BRADD	Simpson	Simpson	Franklin, City of	City of Franklin - Manhole Rehabilitation Project	\$258,750	\$258,750	-	-	-
WX21213029	Water	BRADD	Simpson	Simpson	Franklin, City of	City of Franklin - Morgantown Rd Water Line	\$118,152	\$118,152	-	-	-
WX21213047	Water	BRADD	Simpson	Simpson	Franklin, City of	North Main Street Water Line Replacement	\$125,000	\$125,000	-	-	-
WX21213052	Water	BRADD	Simpson	Simpson	Simpson County Water District	Simpson County Water Line Replacements - Phase 2	\$180,174	\$180,174	-	-	-
WX21217030	Water	LCADD	Taylor	Taylor	Campbellsville, City of	Water System Improvements - WTP Filter & Sed Basin Renovations	\$804,197	\$804,197	-	-	-
WX21217031	Water	LCADD	Taylor	Taylor	Green-Taylor Water District	Sandy Y Water Storage Tank Rehabilitation	\$142,196	\$142,196	-	-	-
WX21219024	Water	PEADD	Todd	Todd	Elkton, City of	Elkton - Water Storage Tank Improvements	\$146,193	\$146,193	-	-	-
WX21219029	Water	PEADD	Todd	Todd	Guthrie, City of	Guthrie - Emergency Standby Generators	\$146,193	\$146,193	-	-	-
WX21219045	Water	PEADD	Todd	Todd	Todd County Water District	Todd County Water District - Master Meter Additions Project	\$12,421	\$12,421	-	-	-
SK21219011	Sewer	PEADD	Todd	Todd	Trenton, City of	Trenton - Wastewater Treatment Plant Improvements Project	\$146,703	\$146,703	-	-	-
WX21221017	Water	PEADD	Trigg	Trigg	Barkley Lake Water District	BLWD - Lakeside Waterline Replacement	-	-	-	-	-
WX21221018	Water	PEADD	Trigg	Trigg	Barkley Lake Water District	BLWD - Solomon and Grays Waterline Replacements	\$376,651	\$376,651	-	-	-
SK21221004	Sewer	PEADD	Trigg	Trigg	Cadiz, City of	Cadiz - Walking Trail Sewer Line Replacement	\$161,422	\$161,422	-	-	-
SK21223013	Sewer	KIPDA	Trimble	Trimble	Bedford, City of	Bedford Wastewater System Improvements Project	\$250,000	\$250,000	-	-	-

SX21223014	Sewer	KIPDA	Trimble	Trimble	Milton, City of	City of Milton Sewer Rehabilitation Project Phase I - Flow Metering	\$55,000	\$55,000	-	-	-
WX21223039	Water	KIPDA	Trimble	Trimble	Trimble County Fiscal Court	Hardy Creek Waterline Extension	\$6,106	\$6,106	-	-	-
WX21225040	Water	GRADD	Union	Union	Morganfield, City of	Morganfield Radio Read Meter Project	\$142,278	\$142,278	-	-	-
WX21225053	Water	GRADD	Union	Union	Sturgis, City of	Sturgis Water Meter Upgrade Project	\$142,278	\$142,278	-	-	-
WX21225052	Water	GRADD	Union	Union	Uniontown, City of	Uniontown Main Street Waterline Replacement	\$142,277	\$142,277	-	-	-
SX21225037	Sewer	GRADD	Union	Union	Waverly, City of	Waverly Lift Station #2 Rebuild Project	\$71,872	\$71,872	-	-	-
WX21227091	Water	BRADD	Warren	Warren	Bowling Green Municipal Utilities	Service Line Identification	\$1,990,000	\$1,990,000	-	-	-
WX21227092	Water	BRADD	Warren	Warren	Bowling Green Municipal Utilities	Yoke Meter Set Replacement	\$450,372	\$450,372	-	-	-
SX21227086	Sewer	BRADD	Warren	Warren	Warren County Water District	Southwest Parkway Interceptor	\$2,080,000	\$2,080,000	-	-	-
WX21227090	Water	BRADD	Warren	Warren	Warren County Water District	Southwest Parkway Improvements	\$360,372	\$360,372	-	-	-
WX21229014	Water	LTADD	Washington	Washington	Springfield Water and Sewer Commission	Springfield Water and Sewer S. Doctor Street Pipe Replacement	\$124,202	\$124,202	-	-	-
WX21229015	Water	LTADD	Washington	Washington	Springfield Water and Sewer Commission	Willisburg, Etown Road, and Wesley Chapel Tank Repainting	\$320,000	\$320,000	-	-	-
WX21231018	Water	LCADD	Wayne	Wayne	Monticello, City of	New Powersburg BPS, Wray Hill BPS and Storage Tank Replacements, and Miscellaneous Water Line Improvements	\$746,751	\$746,751	-	-	-
SX21233027	Sewer	GRADD	Webster	Webster	Sebree, City of	Sebree Sanitary Sewer Replacement	\$475,308	\$475,308	-	-	-
WX21235002	Water	CVADD	Whitley	Whitley	Cumberland Falls Highway Water District	CFHWVWD - Line Replacement and Reinforcement	\$332,959	\$332,959	-	-	-
WX21121537	Water	CVADD	Whitley	Whitley	Whitley County Fiscal Court	Knox: Water Line Extension In Whitley County	\$332,958	\$332,958	-	-	-
WX21235009	Water	CVADD	Whitley	Clay Whitley	Whitley County Water District	WCWD 2021 System Improvements Project	\$332,958	\$332,958	-	-	-
SX21235001	Sewer	CVADD	Whitley	Whitley	Williamsburg, City of	Water Park Pump Station Replacement	\$332,958	\$332,958	-	-	-
WX21237010	Water	KRADD	Wolfe	Wolfe	Campton, City of	Water Loss, PRV and Hazel Green Booster Pump Station Upgrade Project	\$262,848	\$262,848	-	-	-
WX21239036	Water	BGADD	Woodford	Woodford	Midway, City of	Midway Industrial Tank Rehab	\$60,459	\$60,459	-	-	-
WX21239037	Water	BGADD	Woodford	Woodford	Northeast Woodford County Water District	Northeast Woodford Tank painting	\$100,459	\$100,459	-	-	-
WX21239038	Water	BGADD	Woodford	Woodford	South Woodford Water District	SWWD - Comprehensive System Rehabilitation Project	\$225,458	\$225,458	-	-	-
WX21239034	Water	BGADD	Woodford	Woodford	Versailles, City of	Versailles - Water Distribution System Improvements - Low Pressu	\$595,458	\$595,458	-	-	-

Cleaner Water Program Grants - Sewer

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWS103	Hopkinsville Water Environment Authority	Conference Center Force Main Relocation	\$ 400,000	Christian	County
21CWS104	London Utility Commission	Rowland Industrial Park/192 Sewer Extension Project Phase I	\$ 339,313	Laurel	County
21CWS105	Wingo, City of	City of Wingo - Wastewater Lagoon Rehab and I/I Removal	\$ 240,155	Graves	County
21CWS106	Mayfield Electric & Water Systems	Fancy Farm Wastewater Facilities	\$ 100,000	Graves	County
21CWS107	Hyden, City of	Hyden Wastewater Rehabilitation	\$ 181,371	Leslie	County
21CWS108	Perry County Fiscal Court	Combs Branch Lift Station Rehab Project	\$ 120,000	Perry	County
21CWS109	Cloverport, City of	Cloverport Sewer System Lift Station Rehabilitation	\$ 152,039	Breckinridge	County
21CWS110	Muldraugh, City of	Muldraugh Sewer Improvements Phase 3	\$ 150,000	Meade	County
21CWS111	Hardinsburg, City of	Mattingly Lift Station Replacement	\$ 450,000	Breckinridge	County
21CWS112	Irvington, City of	Irvington Manhole Rehabilitation Project	\$ 150,039	Breckinridge	County
21CWS113	Middlesboro, City of	Middlesboro Main Sewage LS Rehab	\$ 170,752	Bell	County
21CWS114	Middlesboro, City of	Middlesboro WWTP Improvements Phase 1	\$ 307,300	Bell	County
21CWS115	Clay City, City of	Clay City - Phase II Sewer System Rehab	\$ 181,053	Powell	County
21CWS116	Powell's Valley Water District	2020 Natural Bridge State Park Sewer Project	\$ 150,392	Powell	County
21CWS117	Clarkson, City of	Clarkson Sewer Lift Station Repair	\$ 25,000	Grayson	County
21CWS118	Franklin, City of	City of Franklin - Manhole Rehabilitation Project	\$ 258,750	Simpson	County
21CWS119	Mount Vernon, City of	City of Mount Vernon -WWTP and Pump Station off Richmond Street	\$ 204,380	Rockcastle	County
21CWS120	Waverly, City of	Waverly Main Lift Station Upgrades	\$ 29,452	Union	County
21CWS121	Pineville, City of	Virginia Avenue/Courthouse Square Utility Replacements	\$ 478,000	Bell	County

Cleaner Water Program Grants - Water

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWW106	Knox County Utility Commission	Barbourville Connection - KY 225	\$ 1,143,833	Knox	County
21CWW130	Kirksville Water Association Inc	Proposed Cross Country KY 52 Water Line	\$ 106,071	Madison	County
21CWW216	Cumberland Falls Highway Water District	CFHWYWD - Line Replacement and Reinforcement	\$ 332,959	Whitley	County
21CWW222	South Woodford Water District	SWWD - Comprehensive System Rehabilitation Project	\$ 225,458	Woodford	County
21CWW229	Knott County Water & Sewer District	Waterline Extensions (Last Mile) and WTP Improvement Project	\$ 418,455	Knott	County
21CWW230	Perry County Fiscal Court	Perry County Various Roads Water Project	\$ 825,989	Perry	County
21CWW231	Hyden-Leslie County Water District	Leslie Waterline Replacement Phase I	\$ 181,372	Leslie	County
21CWW232	Mayfield Electric & Water Systems	Water Storage Tank Rehabilitation	\$ 500,000	Graves	County
21CWW233	Hodgenville, City of	Hodgenville Smith Plaza Tower Improvements	\$ 243,251	Larue	County
21CWW234	Meade County Water District	Meade Co. Water District Chester Lane Extension	\$ 28,477	Meade	County
21CWW235	Black Mountain Utility District	Wallins Rehabilitation Project	\$ 820,000	Harlan	County
21CWW236	Cawood Water District	US 421 - KY 3001 Waterline Replacement	\$ 135,244	Harlan	County
21CWW237	Booneville, City of	Booneville Radio Read Meter Project	\$ 162,145	Owsley	County
21CWW238	Jackson, City of	Beverly Heights and Sigman Drive Waterline Extension	\$ 463,850	Breathitt	County

Grant Number	Grantee	Project Title	Amount	County	Allocation Pool
21CWW239	Caneyville, City of	Caneyville Water System Rehabilitation	\$ 63,642	Grayson	County
21CWW240	Grayson County Water District	GCWD Caneyville System Improvements	\$ 409,305	Grayson	County
21CWW241	Leitchfield, City of	Leitchfield Water AMR Upgrade Project	\$ 306,500	Grayson	County
21CWW242	Edmonson County Water District	Edmonson Co. WD Grayson Improvements	\$ 166,112	Grayson	County
21CWW243	Brandenburg, City of	Lawrence St. and Ekron Rd. Improvements	\$ 350,000	Meade	County
21CWW244	Larue County Water District #1	LCWD- Buffalo Water Tank Rehabilitation	\$ 285,531	Larue	County
21CWW245	Campton, City of	Water Loss, PRV and Hazel Green Booster Pump Station Upgrade Project	\$ 262,848	Wolfe	County
21CWW246	Symsonia Water District	Symsonia Extension KY 131	\$ 134,000	Graves	County
21CWW247	Mayfield Electric & Water Systems	Mayfield Electric & Water- Mayfield WTP Rehabilitation	\$ 394,478	Graves	County
21CWW248	Hindman, City of	Dry Fork Waterline Extension	\$ 125,311	Knott	County
21CWW249	Stanton, City of	Stanton - Water Improvements Project	\$ 122,452	Powell	County
21CWW250	Meade County Water District	Meade Co. Water District Sirocco Rd, Milan Rd, Poplar Ct Extension	\$ 462,780	Meade	County
21CWW251	Meade County Water District	Meade Co. Water District Lone Star Rd/Big Dipper Trail Extension	\$ 58,080	Meade	County
21CWW252	Franklin, City of	North Main Street Water Line Replacement	\$ 125,000	Simpson	County
21CWW253	Simpson County Water District	Simpson County Water Line Replacements - Phase 2	\$ 180,174	Simpson	County
21CWW254	Franklin, City of	City of Franklin - Morgantown Rd Water Line	\$ 118,152	Simpson	County
21CWW255	North Manchester Water Association Inc	2021 Water System Improvements Project	\$ 365,443	Clay	County
21CWW256	Manchester, City of	Manchester - Water Tank Rehabilitation	\$ 365,442	Clay	County
21CWW257	West Laurel Water Association Inc	West Laurel Water Association - Hwy 552 Project	\$ 452,996	Laurel	County
21CWW258	Morgantown, City of	Morgantown Water Distribution System Improvements	\$ 122,033	Butler	County
21CWW259	Gallatin County Water District	Miscellaneous System Improvements	\$ 116,823	Gallatin	County - R
21CWW260	Green-Taylor Water District	Summersville Booster Pump Station Rehabilitation	\$ 285,000	Green	County
21CWW261	Green-Taylor Water District	Pikeview Water Storage Tank Rehabilitation	\$ 116,820	Green	County
21CWW262	McKee, City of	Downtown Water Storage Tank Replacement	\$ 159,521	Jackson	County
21CWW263	Beattyville, City of	Beattyville Water Treatment Plant Improvements	\$ 271,883	Lee	County
21CWW264	Auburn, City of	Water System Upgrade - Wilson Avenue Area	\$ 111,040	Logan	County - R
21CWW265	East Logan Water District	Montgomery Zone- Meter Service Replacement Project	\$ 144,375	Logan	County - R
21CWW266	Butler, City of	Tank Rehabilitation	\$ 133,958	Pendleton	County - R
21CWW267	Brodhead, City of	Bowling Ridge Tank Rehab, Radio Read and WWTP Influent Flow Meters	\$ 204,380	Rockcastle	County
21CWW268	Taylorsville, City of	Mill Road Upgrade SR 1795	\$ 710,686	Spencer	County
21CWW269	Barkley Lake Water District	BLWD - Solomon and Grays Waterline Replacements	\$ 376,651	Trigg	County - R

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS103
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21047036
GRANTEE	HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY		
BRIEF DESCRIPTION			
HWEA proposes to relocate approximately 3,565 LF of 8" sanitary sewer force main in order to bypass an 8" gravity sanitary sewer interceptor which is nearing capacity. The Force Main will tie into a 18" gravity sanitary sewer interceptor in the same drainage basin, but downstream of the current 8" tie-in location.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS103	\$400,000	Legal Expenses	
KIA Fund A Loan	100,000	Eng - Design / Const	10.5% 11.9% 53,000
		Eng - Insp	7.7% 0.0%
		Eng - Other	2,500
		Construction	400,000
		Contingency	44,500
TOTAL	\$500,000	TOTAL	\$500,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 12,797	<u>Avg. Bill</u> \$ 28.68 (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	Christian County	\$ 400,000.00	
	Total	\$ 400,000.00	
Notes:			

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS104
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21125010
GRANTEE	LONDON UTILITY COMMISSION LAUREL COUNTY		
BRIEF DESCRIPTION			
Phase 1 of this project includes the construction of 1,500 LF of 8" PVC Gravity Sewer, 6,100 LF of PVC Sewer Force Main, a 200 GPD Duplex Sewer Pump Station, and all applicable appurtenances. This project will provide sanitary sewer services to all developments within the industrial park. Phase II of this project will extend sewer services from the newly constructed pump station to ore than 100 surrounding residential customers.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS104	\$339,313	Eng - Design / Const	9.7% 9.6% 60,116
Local Funding	357,253	Eng - Insp	6.7% 0.0%
		Eng - Other	10,000
		Construction	569,500
		Contingency	56,950
TOTAL	\$696,566	TOTAL	\$696,566
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u>
	Additional	4,472	\$ 30.65 (for 4,000 gallons)
		100	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Laurel County	\$ 339,313.00	
	Total	\$ 339,313.00	
Notes:			

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWS105
 WRIS Number SX21083068

GRANTEE WINGO, CITY OF
 GRAVES COUNTY

BRIEF DESCRIPTION

The City of Wingo proposes to rehabilitate their Lagoon levee. The levee surrounding the city's lagoon has been damaged due to age of the lagoon and fluctuations in the levels of water. The city has recently completed necessary work within the lagoon to help with the treatment process, but need to ensure that the lagoon levee is stabled. Along with work at the lagoon, the City has actively slip lined portions of their system and will be continuing to camera and inspect lines. The city will need funds to line portions that are deemed irrepalbe. The city has been proactive in procuring engineering services. The City's engineers have begun to build to develop the project to ensure quick turn around once funding has been established.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Sewer Grant - 21CWS105	\$240,155	Administrative Expenses				\$2,500
Other Funding	214,845	Eng - Design / Const	10.8%	10.0%		38,500
		Eng - Insp	8.1%	7.5%		29,000
		Construction				350,000
		Contingency				35,000
TOTAL	\$455,000	TOTAL				\$455,000

PROFESSIONAL SERVICES Engineer Haworth, Meyer & Boleyn, Inc.

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 228 Avg. Bill \$ 23.71 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Graves County	\$ 240,155.00
	Total	\$ 240,155.00

Notes:

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS106
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21083065
GRANTEE	MAYFIELD ELECTRIC & WATER SYSTEMS GRAVES COUNTY		
BRIEF DESCRIPTION			
<p>The wastewater plant has a significant number of outstanding maintenance items for the replacement of equipment that have reached the end of their useful design life. Due to the degraded state of this treatment plant, it has been determined that rerouting the wastewater flows from the Fancy Farm community to the MEWS wastewater treatment facility located in Mayfield is the best alternative. The construction of this alternative will eliminate a discharge to our community's streams, reduces energy cost associated with operating two treatment plants, and allows flows to be treated at a wastewater facility utilizing modern treatment techniques.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS106	\$100,000	Construction	100,000
TOTAL	\$100,000	TOTAL	\$100,000
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u> (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Graves 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 July 21, 2022
 KIA Grant Number 21CWS107
 WRIS Number SX21131005

GRANTEE HYDEN, CITY OF
 LESLIE COUNTY

BRIEF DESCRIPTION

This project will rehabilitate several components at the wastewater treatment plant and will also rehabilitate four lift stations in the wastewater system (Save-a-lot, High School, Rockhouse and Dairy Queen).

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Sewer Grant - 21CWS107	\$181,371	Administrative Expenses			\$50,000
Other Funding	818,629	Legal Expenses			10,000
		Eng - Design / Const	9.2%	8.3%	66,150
		Eng - Insp	6.0%	5.6%	44,800
		Eng - Other			31,550
		Construction			725,000
		Contingency			72,500
TOTAL	\$1,000,000	TOTAL			\$1,000,000

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 549 Avg. Bill \$ 26.71 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Leslie County	\$ 181,371.00
	Total	\$ 181,371.00

Notes:

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS108
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21193032
GRANTEE	PERRY COUNTY FISCAL COURT PERRY COUNTY		
BRIEF DESCRIPTION			
The project will rehab the existing lift station on Combs Branch. The project includes coat existing 8' diameter wet well with Mainstay Epoxy. install 2 - 40 HP pumps, junction box, rail packages, float switches, 2" stainless steel guide rails, 4" HDPE pipe from pump basins to outside of Wet Well, 4" stainless steel pipe for suction pipe.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS108	\$120,000	Administrative Expenses	\$2,000
		Eng - Design / Const	14.0% 6.6% 6,679
		Eng - Insp	13.0% 7.5% 7,633
		Eng - Other	2,500
		Construction	95,413
		Contingency	5,775
TOTAL	\$120,000	TOTAL	\$120,000
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	August 15, 2022	
	Construction Start	October 1, 2022	
	Construction Stop	October 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 110	<u>Avg. Bill</u> \$ 39.97 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Perry County	\$ 120,000.00	
	Total	\$ 120,000.00	
Notes:			

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWS109
 WRIS Number SX21027018

GRANTEE CLOVERPORT, CITY OF
 BRECKINRIDGE COUNTY

BRIEF DESCRIPTION

The City of Cloverport is proposing to rehabilitate and upgrade its Cloverdale pump station and six "Simplex" pump stations in the collection system. Upgrades will include improved electrical circuits and connections.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Sewer Grant - 21CWS109	\$152,039	Administrative Expenses				\$2,500
Local Funds	61	Planning				5,000
		Eng - Design / Const	13.7%	9.5%		11,200
		Eng - Insp	12.5%	8.8%		10,400
		Eng - Other				5,000
		Construction				110,000
		Contingency				8,000
TOTAL	\$152,100	TOTAL				\$152,100

PROFESSIONAL SERVICES Engineer Kentucky Engineering Group PLLC

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 536 Avg. Bill \$ 19.20 (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	\$ 152,039.00		
	Total	\$ 152,039.00		

Notes:

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT		Reviewer CPBOC Date KIA Grant Number WRIS Number	Milward Dedman July 21, 2022 21CWS110 SX21163005
GRANTEE	MULDRAUGH, CITY OF MEADE COUNTY		
BRIEF DESCRIPTION The City of Muldraugh is proposing to rehabilitate (replace) approximately 10,000 l.f. of 8-inch existing gravity sewer mains (primarily clay tile) in the oldest parts of town and approximately 600 l.f. of 4-inch force main along with an existing grinder pump / lift station on the north end of the system. The City will also examine the placement / usage of several flow metering stations that would monitor connections in two private mobile home parks. It is anticipated that these improvements will greatly help the City reduce infiltration and inflow problems that cause high flows into Ft. Knox after rain events. Muldraugh conveys its wastewater to Ft. Knox for treatment and pays excessive amounts for I & I flow beyond their normal water usage. The City is primarily low to moderate income residential with a few commercial units along Dixie Hwy. with no industrial users.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS110	\$150,000	Administrative Expenses	\$25,000
CDBG	1,293,500	Legal Expenses	15,000
		Planning	15,000
		Eng - Design / Const	8.6% 8.1% 97,500
		Eng - Insp	5.4% 5.0% 61,000
		Eng - Other	5,000
		Construction	1,100,000
		Contingency	110,000
		Other	15,000
TOTAL	\$1,443,500	TOTAL	\$1,443,500
PROFESSIONAL SERVICES	Engineer	Water Management Services, LLC	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 359	<u>Avg. Bill</u> \$ 22.22 (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	\$ 150,000.00	
	Total	\$ 150,000.00	
Notes:			

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS111
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21027024
GRANTEE	HARDINSBURG, CITY OF BRECKINRIDGE COUNTY		
BRIEF DESCRIPTION			
The City of Hardinsburg is proposing to eliminate one existing lift station (OPS Lift Station) and upgrade / upsize another lift station (Meadow Court) to accommodate flow better. The OPS lift station will be replaced by a small amount of additional gravity and force main line to connect to the upgraded lift station. The upgraded / upsized lift station will be moved slightly to an adjacent spot, better connecting incoming lines.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS111	\$450,000	Legal Expenses	7,000
		Land, Easements	5,000
		Planning	5,000
		Eng - Design / Const	10.9% 8.6% 31,000
		Eng - Insp	8.3% 6.9% 25,000
		Eng - Other	7,000
		Construction	334,500
		Contingency	27,350
		Other	8,150
TOTAL	\$450,000	TOTAL	\$450,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u>	<u>Avg. Bill</u> (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Breckinridge County	\$ 450,000.00	
	Total	\$ 450,000.00	
Notes:			

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT	Reviewer	Milward Dedman
	CPBOC Date	July 21, 2022
	KIA Grant Number	21CWS112
	WRIS Number	SX21027020

GRANTEE	IRVINGTON, CITY OF BRECKINRIDGE COUNTY
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BRIEF DESCRIPTION

The proposed project will provide rehabilitation of approximately 25 manholes identified as prone to inflow/infiltration to reduce excess flow into the treatment system. The City will also replace the existing filter media, Inflow Sampler, and Primary Check Valves at the existing sewer treatment plant. These improvements will help flow and treatment processes and efficiency.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Sewer Grant - 21CWS112	\$150,000	Administrative Expenses				\$2,000
		Legal Expenses				2,500
		Eng - Design / Const	13.4%	6.8%		9,000
		Eng - Insp	12.2%	3.8%		5,000
		Construction				121,150
		Contingency				10,350
TOTAL	\$150,000	TOTAL				\$150,000

PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC
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PROJECT SCHEDULE	Bid Opening	TBD
	Construction Start	TBD
	Construction Stop	TBD

RESIDENTIAL RATES	Current	<u>Users</u>		<u>Avg. Bill</u>
		479	\$	34.02 (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	\$	150,000.00	
		Total	\$	150,000.00

Notes:

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWS113
 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 - 21CWS113	\$170,752	Administrative Expenses				\$0
ARC Funds	449,974	Legal Expenses				2,500
Local	119,074	Planning				4,000
		Eng - Design / Const	#DIV/0!	6.0%		40,000
		Eng - Insp	#DIV/0!	4.5%		30,000
		Construction				603,000
		Contingency				60,300
TOTAL	\$739,800	TOTAL				\$739,800

PROFESSIONAL SERVICES Engineer Vaughn & Melton Consulting Engineers, Inc

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 4,921 Avg. Bill \$ 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	\$ 170,752.00		
	Total	\$ 170,752.00		

Notes:

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT	Reviewer	Milward Dedman
	CPBOC Date	July 21, 2022
	KIA Grant Number	21CWS114
	WRIS Number	SX21013007

GRANTEE	MIDDLESBORO, CITY OF BELL COUNTY
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BRIEF DESCRIPTION
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 1 of the needed upgrades will seek to replace one of the two aging and dilapidated clarifier mechanisms, re-build of one of the two existing belt filter presses and replace the associated belt press control panel. 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.

PROJECT FINANCING		PROJECT BUDGET			
			RD Fee %	Actual %	
CWP - Sewer Grant - 21CWS114	\$307,300	Administrative Expenses			\$0
ARC Funds	1,000,000	Legal Expenses			5,000
		Planning			7,500
		Eng - Design / Const	8.7%	6.7%	77,000
		Eng - Insp	5.4%	5.7%	66,000
		Construction			1,151,800
TOTAL	\$1,307,300	TOTAL			\$1,307,300

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		<u>Users</u>		<u>Avg. Bill</u>
	Current	4,921	\$	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	\$ 307,300.00
	Total	\$ 307,300.00

Notes:

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2002
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS115
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21197004
GRANTEE	CLAY CITY, CITY OF POWELL COUNTY		
BRIEF DESCRIPTION			
This project is applying for a 2021 SRF Planning and Design Loan. 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 - 21CWS115	\$181,053	Administrative Expenses	\$44,000
ARC Funds	527,778	Legal Expenses	10,000
HB 380 Non-Coal Grant	219,557	Land, Easements	20,000
CDBG	880,000	Planning	5,000
		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
TOTAL	\$1,808,388	TOTAL	\$1,808,388
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	September 1, 2022	
	Construction Start	November 1, 2022	
	Construction Stop	November 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 540	<u>Avg. Bill</u> \$ 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	\$ 181,053.00	
	Total	\$ 181,053.00	
Notes:			

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS116
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21197018
GRANTEE	POWELL'S VALLEY WATER DISTRICT POWELL COUNTY		
BRIEF DESCRIPTION			
<p>The Kentucky Parks Department has requested sewer service from their Natural Bridge State Park facilities. Their existing wastewater treatment plant will be abandoned and the effluent will be transported to the Powells Valley Water and Sewer District wastewater plant. The project includes improvements to the collection system from the Park to the wastewater treatment plant as well as expansion of the plant capacity to accommodate the additional flows.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS116	\$150,392	Administrative Expenses	\$38,000
USDA RD Loan	1,147,208	Legal Expenses	15,000
		Eng - Design / Const	8.8% 8.2% 82,300
		Eng - Insp	5.6% 6.7% 67,500
		Eng - Other	38,500
		Construction	916,300
		Contingency	92,000
		Other	48,000
TOTAL	\$1,297,600	TOTAL	\$1,297,600
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	113	\$ 55.13 (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	Powell County	\$ 150,392.00	
	Total	\$ 150,392.00	
Notes:			

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT		Reviewer CPBOC Date KIA Grant Number WRIS Number	Milward Dedman July 21, 2022 21CWS117 SX21085014
GRANTEE	CLARKSON, CITY OF GRAYSON COUNTY		
BRIEF DESCRIPTION			
The City of Clarkson needs new pumps at the Lift Station behind the VA Clinic and at the Lift Station at the treatment plant where the lagoon goes into the sand filters. They will purchase 3 pumps total. In addition, they will purchase water testing monitoring supplies.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS117	\$25,000	Construction	25,000
TOTAL	\$25,000	TOTAL	\$25,000
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening	N/A	
	Construction Start	TBD	
	Construction Stop	TBD	
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	\$ 25,000.00	
	Total	\$ 25,000.00	
Notes:			

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWS118
 WRIS Number SX21213027

GRANTEE FRANKLIN, CITY OF
 SIMPSON COUNTY

BRIEF DESCRIPTION

Rehabilitate approximately 125 sewer manholes to prevent inflow and infiltration into the sewer system. This involves cleaning the manhole interior with high pressure and applying stop leak and grouting any cracks or holes. Then applying a coat of grout onto the entire interior surface, finishing off the surface with a coat of epoxy lining.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %
CWP - Sewer Grant - 21CWS118	\$258,750	Construction		258,750
TOTAL	\$258,750	TOTAL		\$258,750

PROFESSIONAL SERVICES Engineer Barge Design Solutions, Inc.

PROJECT SCHEDULE
 Bid Opening January 2, 2023
 Construction Start March 1, 2023
 Construction Stop March 1, 2024

RESIDENTIAL RATES
 Current Users 4,885 Avg. Bill \$ 24.89 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Simpson County	\$ 258,750.00		
	Total	\$ 258,750.00		

Notes:

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWS119
CLEANER WATER PROGRAM GRANT		WRIS Number	SX21203191
GRANTEE	MOUNT VERNON, CITY OF ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
<p>The project to recondition/rebuild or relocate the wastewater treatment plant. The current wastewater treatment plant is under-sized and located in a residential area which generates numerous complaints on odor. There have been numerous permit compliance issues in the last year. The project would be estimated to be 5.5 million in construction cost.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Sewer Grant - 21CWS119	\$204,380	Administrative Expenses	\$20,000
Other Funding	6,690,620	Legal Expenses	25,000
		Land, Easements	100,000
		Planning	10,000
		Eng - Design / Const	6.6% 6.1% 370,000
		Eng - Insp	3.3% 4.1% 250,000
		Eng - Other	70,000
		Construction	5,500,000
		Contingency	550,000
TOTAL	\$6,895,000	TOTAL	\$6,895,000
PROFESSIONAL SERVICES	Engineer	Cann-Tech, LLC	
PROJECT SCHEDULE	Bid Opening	March 1, 2023	
	Construction Start	March 15, 2023	
	Construction Stop	September 1, 2024	
RESIDENTIAL RATES	Current	<u>Users</u> 1,052	<u>Avg. Bill</u> \$ 22.34 (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	\$ 204,380.00	
	Total	\$ 204,380.00	
Notes:			

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWS120
 WRIS Number SX21225038

GRANTEE WAVERLY, CITY OF
 UNION COUNTY

BRIEF DESCRIPTION

This project seeks to make upgrades to the Waverly Main Lift Station. These upgrades will include replacing the air releases, inspecting the two pumps, and buying materials and replacing those pumps if they need to be replaced.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %
CWP - Sewer Grant - 21CWS120	\$29,452	Equipment		29,452
TOTAL	\$29,452	TOTAL		\$29,452

PROFESSIONAL SERVICES Engineer N/A

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 149 Avg. Bill \$ 49.59 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Union County	\$ 29,452.00		
	Total	\$ 29,452.00		

Notes:

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWS121
 WRIS Number SX21013003

GRANTEE PINEVILLE, CITY OF
 BELL COUNTY

BRIEF DESCRIPTION

This project will separate the existing storm and sanitary sewers in the four block area surrounding the Bell County Courthouse (Walnut St., Virginia Avenue, Pine St., and Kentucky Avenue), the portion of Virginia Avenue from its intersection with Holly St to the Courthouse Square, as well as the side streets of Laurel St., Oak St., Walnut St., and Pine St. on the north side of Virginia Avenue. The project consists of construction of approximately 4,430 LF of 15", 12", 10", and 8" PVC gravity sewer line and 4,088 LF of 48", 36", 24", and 18" storm sewers, new storm sewer inlets, new curb & gutters, and replacement of existing sidewalks.

PROJECT FINANCING		PROJECT BUDGET	RD Fee %	Actual %	
CWP - Sewer Grant - 21CWS121	\$478,000	Legal Expenses			5,000
KIA SRF Fund A Loan (CW)	2,600,000	Planning			15,000
Local ARPA Grant Funds	424,000	Eng - Design / Const	7.2%	6.9%	218,000
KBC Bond Funds	19,195	Eng - Insp	4.0%	3.8%	120,000
		Construction			3,163,195
TOTAL	\$3,521,195	TOTAL			\$3,521,195

PROFESSIONAL SERVICES Engineer Vaughn & Melton Consulting Engineers, Inc

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 802 \$ Avg. Bill 25.74 (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	\$ 478,000.00		
	Total	\$ 478,000.00		

Notes:

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW106
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21121012
GRANTEE	KNOX COUNTY UTILITY COMMISSION KNOX COUNTY		
BRIEF DESCRIPTION			
<p>The project consists of approximately 15,000 feet of 8-inch main, a 350 gpm booster pump station, 4-inch master meter pit, telemetry and appropriate appurtenances including gate valves, air release valves, etc. The project will also eliminate the need for existing sections of old 4 and 6-inch mains that are made of push-on joint PVC and asbestos cement, which will be abandoned in place with the existing side lines and meters connected to the new 8-inch main. Alternate No. 1 for this project consists of replacing 600 feet of 4-inch waterline, 550 feet of 3-inch waterline, and all necessary appurtenances. If funds remain at the completion of the original project, Alternate No. 1 will be constructed.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW106	\$1,143,833	Administrative Expenses	\$32,500
KIA SRF Fund F Loan (DW)	1,192,999	Legal Expenses	7,500
		Planning	5,000
		Eng - Design / Const	7.6% 7.1% 144,855
		Eng - Insp	4.6% 4.3% 87,875
		Eng - Other	24,102
		Construction	1,850,000
		Contingency	185,000
TOTAL	\$2,336,832	TOTAL	\$2,336,832
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	2,814	\$ 46.03 (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	Knox County	\$ 1,143,833.00	
	Total	\$ 1,143,833.00	
Notes:			

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW130
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21151067
GRANTEE	KIRKSVILLE WATER ASSOCIATION INC MADISON COUNTY		
BRIEF DESCRIPTION			
<p>The KYTC is relocating and reconstruction KY 52 in Madison County. They are replacing the existing water line being disturbed in this project but not constructing any water line that is going cross country. The end of this project will have KY 52 connecting to Duncannon Land at the I-75 exit on Duncannon Lane. When this road is complete there should be substantial development along the newly constructed road that connects to I-75. This project will construct water lines for the portion of new KY52 that runs cross country and not adjacent to the existing KY 52 so development can occur along the new KY52.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW130	\$106,071	Administrative Expenses	\$25,000
Other	576,229	Legal Expenses	5,000
		Land, Easements	3,000
		Planning	20,000
		Eng - Design / Const	10.1% 9.4% 50,873
		Eng - Insp	7.1% 6.8% 36,690
		Construction	492,480
		Contingency	49,257
TOTAL	\$682,300	TOTAL	\$682,300
PROFESSIONAL SERVICES	Engineer	Haworth, Meyer & Boleyn, Inc.	
PROJECT SCHEDULE	Bid Opening	October 12, 2022	
	Construction Start	December 7, 2022	
	Construction Stop	November 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 1,927	<u>Avg. Bill</u> \$ 41.55 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Madison County	\$ 106,071.00	
	Total	\$ 106,071.00	
Notes:			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW216
 WRIS Number WX21235002

GRANTEE CUMBERLAND FALLS HIGHWAY WATER DISTRICT
 WHITLEY COUNTY

BRIEF DESCRIPTION

This project will replace and reinforce inadequate water lines and extend water lines to unserved customers. It will also replace a master meter, purchase AMR meters and SCADA, which will help with security.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW216	\$332,959	Administrative Expenses			\$30,000
Other	1,630,198	Legal Expenses			19,432
		Land, Easements			2,500
		Planning			29,395
		Eng - Design / Const	8.3%	9.9%	146,263
		Eng - Insp	5.1%	6.3%	92,530
		Construction			1,422,698
		Equipment			167,139
		Contingency			53,200
TOTAL	\$1,963,157	TOTAL			\$1,963,157

PROFESSIONAL SERVICES Engineer Kenvirons, Inc.

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 3,490 \$ Avg. Bill 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	\$ 332,959.00		
	Total	\$ 332,959.00		

Notes:

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW222
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21239038
GRANTEE	SOUTH WOODFORD WATER DISTRICT WOODFORD COUNTY		
BRIEF DESCRIPTION			
<p>This projects consists of repairs to several components within the water system necessary to maintain adequate service to customers. Both the Mortonville and KY33 water tanks are in dire need of repair. The Mortonville tank is currently out of service and needs to be sanitized and painted before it can be put back into service. Rehabilitation of the KY33 pump station will include replacing the backup pump and piping. All meters will be replaced to greatly enhance the accuracy of readings. Current meters are not working properly and some are not working at all. Leak detection meters will also be installed throughout the system to help control the SWWD's issue with excess water loss.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW222	\$225,458	Administrative Expenses	\$25,000
ARC	250,000	Legal Expenses	10,000
KIA Fund B	1,754,542	Land, Easements	5,000
		Planning	10,000
		Eng - Design / Const	7.7% 8.3% 160,000
		Eng - Insp	4.7% 4.7% 90,000
		Construction	1,900,000
		Contingency	30,000
TOTAL	\$2,230,000	TOTAL	\$2,230,000
PROFESSIONAL SERVICES	Engineer	Haworth, Meyer & Boleyn, Inc.	
PROJECT SCHEDULE	Bid Opening	September 1, 2022	
	Construction Start	January 8, 2023	
	Construction Stop	July 4, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 1,700	<u>Avg. Bill</u> \$ 30.46 (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	\$ 225,458.00	
	Total	\$ 225,458.00	
Notes:			
KIA Fund B Loan and ARC committed to fund project.			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW229
 WRIS Number WX21119026

GRANTEE KNOTT COUNTY WATER & SEWER DISTRICT
 KNOTT COUNTY

BRIEF DESCRIPTION

This project will provide potable water service to residents in Knott County. It will also ensure that the WTP performs at peak optimal performance.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW229	\$418,455	Administrative Expenses			\$40,000
Local	299,260	Eng - Design / Const	8.6%	7.9%	95,400
ARC	778,615	Eng - Insp	5.4%	5.0%	60,100
		Eng - Other			100,000
		Construction			1,091,630
		Contingency			109,200
TOTAL	\$1,496,330	TOTAL			\$1,496,330

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES	Users	Avg. Bill
Current	3,180	\$ 30.40 (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	Knott County	\$ 418,455.00
	Total	\$ 418,455.00

Notes:

ARC and Local funds anticipated as additional funding sources.

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT	Reviewer	John Brady
	CPBOC Date	July 21, 2022
	KIA Grant Number	21CWW230
	WRIS Number	WX21193056

GRANTEE	PERRY COUNTY FISCAL COURT PERRY COUNTY
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BRIEF DESCRIPTION

The project will provide water service to various roads throughout Perry County. The project will construct approximately 1,500 LF of 1 ½", 5,395 LF of 2", 24,985 LF of 3", 4,175 LF of 4" and 200 LF of 6" waterline 50 households on Pine Patch Road, Wicks Branch, Memory Mountain Lane, Upper River Road, Docs Hollow, Napier Ridge Road and Sam Campbell Branch Road. A total of 36,255 LF of new waterline constructed. Four Pressure Stations will be constructed, one each on Pine Patch Road, Napier Ridge Road, Docs Hollow, and Wicks Branch. The project will provide new water service to 50 households and improved water service to 800 households. The project will eliminate two privately owned (owned by the homeowners) pressure stations on Memory Mountain Lane.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW230	\$825,989	Administrative Expenses			\$40,000
Other	1,527,051	Land, Easements			20,000
		Eng - Design / Const	7.6%	7.1%	145,580
		Eng - Insp	4.6%	4.3%	88,250
		Eng - Other			10,000
		Construction			1,862,920
		Contingency			186,290
TOTAL	\$2,353,040	TOTAL			\$2,353,040

PROFESSIONAL SERVICES	Engineer	H. A. Spalding, 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	9,000	\$ 32.17 (for 4,000 gallons)
Additional	50	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Perry County	\$ 825,989.00
	Total	\$ 825,989.00

Notes:

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW231
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21131013
GRANTEE	HYDEN-LESLIE COUNTY WATER DISTRICT LESLIE COUNTY		
BRIEF DESCRIPTION			
The project will replace approximately 10 miles of waterlines that experience reoccurring failures. This project will also include the replacement of 2 Booster Pump Stations, 5 Booster Pump Stations that will be rehabilitated with VFD's and also new construction of 10 zone master meters to improve water loss.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW231	\$181,372	Administrative Expenses	\$50,000
Other	2,001,013	Legal Expenses	5,000
		Planning	5,000
		Eng - Design / Const	7.8% 5.9% 111,235
		Eng - Insp	4.7% 4.2% 78,720
		Eng - Other	50,000
		Construction	1,711,300
		Contingency	171,130
TOTAL	\$2,182,385	TOTAL	\$2,182,385
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 3,681	<u>Avg. Bill</u> \$ 43.08 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Leslie County	\$ 181,372.00	
	Total	\$ 181,372.00	
Notes:			
Anticipating either SRF or ARC for additional funding source.			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW232
 WRIS Number WX21083080

GRANTEE MAYFIELD ELECTRIC & WATER SYSTEMS
 GRAVES COUNTY

BRIEF DESCRIPTION

This project involves the rehabilitation of 2 water storage tanks in the distribution system. These tanks were most recently painted in the late 1990s and as such the tank coatings are showing significant degradation. This project will provide for the sandblasting and repainting of the storage tanks, as well as seam and point repairs to the steel tank shell. This will allow the tanks to be in service for another 20 years.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW232	\$500,000	Construction			\$500,000
TOTAL	\$500,000	TOTAL			\$500,000

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users - \$ 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	Graves County	\$ 500,000.00		
	Total	\$ 500,000.00		

Notes:

No current rate information or detailed budget provided.

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

Reviewer John Brady
CPBOC Date July 21, 2022
KIA Grant Number 21CWW233
WRIS Number WX21123020

GRANTEE HODGENVILLE, CITY OF
LARUE COUNTY

BRIEF DESCRIPTION

The City is proposing to clean, repair (replace vent, replace safety rails, replace manway, install security ladder gate, affix dome ladder, replace float & level transducer, and replace interior ladder), and repaint the north (Smith Plaza) tank to keep it in operational shape for the foreseeable future.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW233	\$243,251	Administrative Expenses			\$1,000
Local	67,549	Eng - Insp	8.8%	1.6%	5,000
		Construction			290,300
		Contingency			14,500
TOTAL	\$310,800	TOTAL			\$310,800

PROFESSIONAL SERVICES Engineer CDM Smith Inc.

PROJECT SCHEDULE
Bid Opening September 1, 2022
Construction Start September 26, 2022
Construction Stop November 26, 2022

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	\$ 243,251.00
	Total	\$ 243,251.00

Notes:

Local funds anticipated as additional funding source.

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW234
 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 - 21CWW234	\$28,477	Construction			\$56,000
Other	27,523				
TOTAL	\$56,000	TOTAL			\$56,000

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	8	

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount
County Allocation Pool	Meade County	\$ 28,477.00
	Total	\$ 28,477.00

Notes:

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW235
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21095011
GRANTEE	BLACK MOUNTAIN UTILITY DISTRICT HARLAN COUNTY		
BRIEF DESCRIPTION			
<p>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.</p>			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Water Grant - 21CWW235	\$820,000	RD Fee %	Actual %
Other	106,000		
		Administrative Expenses	\$20,000
		Legal Expenses	15,000
		Land, Easements	10,000
		Planning	10,000
		Eng - Design / Const	9.3% 6.0% 45,850
		Eng - Insp	6.1% 5.8% 44,800
		Eng - Other	10,270
		Construction	700,080
		Contingency	70,000
TOTAL	\$926,000	TOTAL	\$926,000
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	\$ 820,000.00	
	Total	\$ 820,000.00	
Notes:			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW236
 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 miles) with eight inch Ductile Iron waterline. Over the years the existing waterline in this area has experienced multiple breaks resulting in numerous service outages.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW236	\$135,244	Administrative Expenses			\$20,000
RD	916,211	Legal Expenses			15,000
		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
TOTAL	\$1,051,455	TOTAL			\$1,051,455

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 1,681 Avg. Bill \$ 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	\$ 135,244.00
	Total	\$ 135,244.00

Notes:

Pursuing RD loan/grant for additional funding.

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW237
 WRIS Number WX21189500

GRANTEE BOONEVILLE, CITY OF
 OWSLEY COUNTY

BRIEF DESCRIPTION

This project will replace all existing meters with radio read meters, including laptops and necessary software. This will provide faster and more accurate readings along with reducing operating costs.

PROJECT FINANCING		PROJECT BUDGET		
			RD Fee %	Actual %
CWP - Water Grant - 21CWW237	\$162,145	Administrative Expenses		\$50,000
ARC	1,000,000	Planning		5,000
		Eng - Design / Const	8.9%	8.9%
		Eng - Insp	5.7%	5.7%
		Construction		966,439
TOTAL	\$1,162,145	TOTAL		\$1,162,145

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 1,623 Avg. Bill \$ 42.82 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Owsley County	\$ 162,145.00		
	Total	\$ 162,145.00		

Notes:

ARC grant committed as additional funding source.

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW238
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21025049
GRANTEE	JACKSON, CITY OF BREATHITT COUNTY		
BRIEF DESCRIPTION			
This project will construct over 5,000 linear feet of PVC pipe along Beverly Heights and Sigman Road that will provide service to seven new customers. 200 outdated water meters will be replaced which will provide more accurate readings and reduce operation and maintenance costs.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW238	\$463,850	Administrative Expenses	\$23,192
		Legal Expenses	4,000
		Planning	5,000
		Eng - Design / Const	11.0% 10.9% 38,000
		Eng - Insp	8.4% 8.4% 29,500
		Eng - Other	15,000
		Construction	319,078
		Contingency	30,080
TOTAL	\$463,850	TOTAL	\$463,850
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 2,043	<u>Avg. Bill</u> \$ 39.96 (for 4,000 gallons)
	Additional	7	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Breathitt County	\$ 463,850.00	
	Total	\$ 463,850.00	
Notes:			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW239
 WRIS Number WX21085035

GRANTEE CANEYVILLE, CITY OF
 GRAYSON COUNTY

BRIEF DESCRIPTION

The City of Caneyville is proposing to replace several existing water lines within the City, most of which are suspected to be aging asbestos concrete lines. The replacement will provide increased reliability, reduce water loss, and make normal repairs and connections safer and easier to complete. The replacements will include approximately 23,100 linear feet of 6 inch water lines and approximately 5,250 linear feet of 4-inch water line. The project will also replace any existing hydrants and valves that are not functioning properly as well as cap abandoned lines.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Water Grant - 21CWW239	\$63,642	Administrative Expenses				\$15,000
RD	472,806	Legal Expenses				5,000
CDBG	1,013,802	Planning				20,000
		Eng - Design / Const	8.4%	7.8%		105,000
		Eng - Insp	5.3%	4.5%		60,000
		Construction				1,223,250
		Contingency				122,000
TOTAL	\$1,550,250	TOTAL				\$1,550,250

PROFESSIONAL SERVICES Engineer Water Management Services, LLC

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 771 Avg. Bill \$ 41.63 (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	\$ 63,642.00
	Total	\$ 63,642.00

Notes:

CDBG and RD funds anticipated as additional funding sources.

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW240
 WRIS Number WX21085043

GRANTEE GRAYSON COUNTY WATER DISTRICT
 GRAYSON COUNTY

BRIEF DESCRIPTION

The proposed project will include improvements to the Caneyville Water System if it is merged into the GCWD system. It will include replacement of approx. 766 water meters within the system that are consistent with the GCWD customer base and will provide efficiency and accuracy in meter reading and water loss detection. The project will also include coating of the Windy Ridge Storage Tank and a mixing system to insure better water quality. A new pump station will be added to the site along with SCADA connections at this pump, Hwy 62 tank, and the Hopewell Meter / Control Valve. It is anticipated that the original Hwy 62 tank can be demolished.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Water Grant - 21CWW240	\$409,305	Land, Easements				\$10,000
Other	323,025	Planning				5,000
		Eng - Design / Const	9.7%	9.1%		56,000
		Eng - Insp	6.7%	6.3%		39,000
		Eng - Other				5,000
		Construction				560,330
		Contingency				57,000
TOTAL	\$732,330	TOTAL				\$732,330

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 6,750 \$ Avg. Bill 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	\$	409,305.00	
	Total	\$	409,305.00	

Notes:

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW241
 WRIS Number WX21085030

GRANTEE LEITCHFIELD, CITY OF
 GRAYSON COUNTY

BRIEF DESCRIPTION

The Leitchfield Utility Commission is proposing to upgrade its customer meters with radio read meters, reducing man-hours, fuel, and inaccuracies. The project will improve efficiency and allow personnel to concentrate on additional efficiency.

PROJECT FINANCING		PROJECT BUDGET		RD Fee %	Actual %
CWP - Water Grant - 21CWW241	\$306,500	Administrative Expenses			\$1,500
		Eng - Other			2,500
		Construction			275,000
		Contingency			27,500
TOTAL	\$306,500	TOTAL			\$306,500

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 2,914 Avg. Bill \$ 38.26 (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	\$	306,500.00	
		Total	\$	306,500.00

Notes:

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW242
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21085044
GRANTEE	EDMONSON COUNTY WATER DISTRICT GRAYSON COUNTY		
BRIEF DESCRIPTION			
<p>The Edmonson County Water District is proposing improvements to its facilities in Grayson County. This includes the replacement of the Sleepy Hollow booster station, replacement of 500 linear feet of 4-inch main along Peonia Road, installation of 2,750 linear feet of 3-inch main along Antioch Church Road, and installation of 1,500 linear feet of 3-inch main along Hayes Road. The project will improve service to approximately 1,500 existing customers and provide potable water to 4 new households.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW242	\$166,112	Administrative Expenses	\$2,625
ARPA	73,238	Legal Expenses	1,000
		Eng - Design / Const	12.3% 11.1% 21,350
		Eng - Insp	10.6% 9.5% 18,375
		Eng - Other	3,500
		Construction	175,000
		Contingency	17,500
TOTAL	\$239,350	TOTAL	\$239,350
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	11,103	\$ 32.70 (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	Grayson County	\$ 166,112.00	
	Total	\$ 166,112.00	
Notes:			
Local ARPA funds committed as additional funding source.			

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW243
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21163025
GRANTEE	BRANDENBURG, CITY OF MEADE COUNTY		
BRIEF DESCRIPTION			
<p>The proposed project will replace and upgrade approximately 5,000 linear feet of 8" of water main along Lawrence Street and approximately 1,000 lineal feet of 8" main along Old Ekron Road in the City of Brandenburg. The existing mains are old, inadequate in performance, and prone to breaks. The improvements will replace cast iron and galvanized pipe with new pvc to provide more adequate and reliable water service to these areas.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW243	\$350,000	Administrative Expenses	\$1,000
Other	242,000	Legal Expenses	1,000
		Eng - Design / Const	10.2% 7.7% 40,000
		Eng - Other	30,000
		Construction	450,000
		Contingency	70,000
TOTAL	\$592,000	TOTAL	\$592,000
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
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	\$ 350,000.00	
	Total	\$ 350,000.00	
Notes:			

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW244
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21123031
GRANTEE	LARUE COUNTY WATER DISTRICT #1 LARUE COUNTY		
BRIEF DESCRIPTION			
<p>The Larue County Water District #1 is proposing to rehabilitate one of its primary tanks. The 97,000 gallon standpipe tank, known as the Buffalo Water tank, is the oldest tank in the Water District's system. It is located on College Street in the community of Buffalo, and requires some major repairs including: sand blasting and painting the interior and exterior of the tank, sealing the base of the tank along the foundation, and replacement of connecting waterlines and the addition of a new valve vault in the tank vicinity. Additionally, this project proposes adding telemetry to the tank to ensure more efficient operations of the tank and allow the system to better manage water needs within the system.</p>			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Water Grant - 21CWW244	\$285,531	RD Fee %	Actual %
Local	9,669		
		Administrative Expenses	\$2,500
		Legal Expenses	2,500
		Eng - Design / Const	11.8% 10.0% 24,400
		Eng - Insp	9.7% 8.5% 20,800
		Construction	225,000
		Contingency	20,000
TOTAL	\$295,200	TOTAL	\$295,200
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	Users	Avg. Bill
		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	\$ 285,531.00	
	Total	\$ 285,531.00	
Notes:			
Local funds anticipated as additional funding source.			

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW245
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21237010
GRANTEE	CAMPTON, CITY OF WOLFE COUNTY		
BRIEF DESCRIPTION			
<p>This project includes the rehabilitation of the booster pump station that feeds the east part of Wolfe County. The project on recommendation from KRWA will also focus on reducing water loss and distribution management by finding areas where leaks are prevalent. It will also include replacement of approximately 400 feet of 6 inch PVC along with a PRV, valves, piping, and the PRV vault. This is needed due to the condition of the line going into the community of Hazel Green along HWY 191.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW245	\$262,848	Administrative Expenses	\$8,500
		Land, Easements	5,000
		Planning	17,500
		Eng - Design / Const	12.5% 13.1% 24,000
		Eng - Insp	10.8% 10.3% 19,000
		Eng - Other	5,000
		Construction	170,348
		Contingency	13,500
TOTAL	\$262,848	TOTAL	\$262,848
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 2,429	<u>Avg. Bill</u> \$ 38.70 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Wolfe County	\$ 262,848.00	
	Total	\$ 262,848.00	
Notes:			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW246
 WRIS Number WX21083015

GRANTEE SYMSONIA WATER DISTRICT
 GRAVES COUNTY

BRIEF DESCRIPTION

The Symsonia Water District needs to expand their water lines along KY 131 which will allow the system to form a loop to help decrease pressure problems in this area.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Water Grant - 21CWW246	\$134,000	Administrative Expenses				\$6,700
		Legal Expenses				500
		Eng - Design / Const	13.8%	12.5%		14,050
		Construction				102,500
		Contingency				10,250
TOTAL	\$134,000	TOTAL				\$134,000

PROFESSIONAL SERVICES Engineer Austin Engineering

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES Current Users 317 Avg. Bill \$ 34.39 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Graves County	\$	134,000.00	
		Total	\$	134,000.00

Notes:

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW247
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21083063
GRANTEE	MAYFIELD ELECTRIC & WATER SYSTEMS GRAVES COUNTY		
BRIEF DESCRIPTION			
This project is a rehabilitation of the water treatment plant to add limited well capacity, a new disinfection system, and operational flexibility. The Mayfield Water Treatment Plant is aging and needs upgrades that will allow the system to continue to provide quality service.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW247	\$394,478	Construction	\$2,575,000
Other	2,180,522		
TOTAL	<u>\$2,575,000</u>	TOTAL	<u>\$2,575,000</u>
PROFESSIONAL SERVICES	Engineer	Rivercrest Engineering Incorporated	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 4,931	<u>Avg. Bill</u> \$ 28.20 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Graves County	\$ 394,478.00	
	Total	\$ 394,478.00	
Notes:			

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

Reviewer John Brady
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW248
 WRIS Number WX21119030

GRANTEE HINDMAN, CITY OF
 KNOTT COUNTY

BRIEF DESCRIPTION

This project consists of extending 1,400 linear feet of 3" pvc in order to service five new customers. The five households that currently have wells will now have potable water service.

PROJECT FINANCING		PROJECT BUDGET			RD Fee %	Actual %
CWP - Water Grant - 21CWW248	\$125,311	Administrative Expenses				\$6,000
		Planning				3,000
		Eng - Design / Const	14.1%	11.9%		11,000
		Eng - Insp	13.2%	10.8%		10,000
		Eng - Other				3,000
		Construction				75,690
		Contingency				16,621
TOTAL	\$125,311	TOTAL				\$125,311

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES	Current	Users	Avg. Bill
		2,722	\$ 37.39 (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	Knott County	\$ 125,311.00
	Total	\$ 125,311.00

Notes:

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW249
CLEANER WATER PROGRAM GRANT		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 - 21CWW249	\$122,452	Administrative Expenses	\$20,000
Other	577,548	Legal Expenses	5,000
		Land, Easements	6,000
		Eng - Design / Const	10.1% 10.1% 54,500
		Eng - Insp	7.2% 7.2% 38,600
		Eng - Other	36,900
		Construction	490,000
		Contingency	49,000
TOTAL	\$700,000	TOTAL	\$700,000
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	January 1, 2023	
	Construction Start	March 1, 2023	
	Construction Stop	December 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 2,279	<u>Avg. Bill</u> \$ 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	\$ 122,452.00	
	Total	\$ 122,452.00	
Notes:			
Other		\$ 577,548.00	
	Total	\$ 700,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW250
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21163026
GRANTEE	MEADE COUNTY WATER DISTRICT MEADE COUNTY		
BRIEF DESCRIPTION			
The proposed project will extend a 6 inch water line along Sirocco Road approx. 10,000 LF. A 6 inch water line extension along Milan Road approx. 6,285 LF and extend a 4 inch water line along Poplar Court for approx. 31,680 LF. This water line extension project is projected to add 12 unserved customers.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW250	462,780	Construction	462,780
TOTAL	<u>\$462,780</u>	TOTAL	<u>\$462,780</u>
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	February 1, 2022	
	Construction Start	March 15, 2022	
	Construction Stop	September 1, 2022	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	5,635	\$ 36.32 (for 4,000 gallons)
	Additional	12	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Meade County	\$ 462,780.00	
	Total	\$ 462,780.00	
Notes:			
	Total	\$ 462,780.00	

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

Reviewer Alex Fisher
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW251
 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 - 21CWW251	58,080	Construction			58,080
TOTAL	\$58,080	TOTAL			\$58,080

PROFESSIONAL SERVICES Engineer TBD

PROJECT SCHEDULE
 Bid Opening February 1, 2022
 Construction Start March 15, 2021
 Construction Stop September 1, 2022

RESIDENTIAL RATES

	Users	Avg. Bill
Current	5,635	\$ 36.32 (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	Meade County	\$ 58,080.00		
	Total	\$ 58,080.00		

Notes:

Total \$ 58,080.00

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW252
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21213047
GRANTEE	FRANKLIN, CITY OF SIMPSON COUNTY		
BRIEF DESCRIPTION Replacement and upsize of approximately 886 feet of 1 1/2" galvanized line along 31-W North. Current galvanized line is undersized and deteriorating. This line also feed several restaurants and commercial businesses along the east side of 31-W. There have been multiple leaks and repairs made on this line in recent years. Replacement of this line will prevent further leaks and boil water advisories.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW252	125,000	Construction	125,000
TOTAL	\$125,000	TOTAL	\$125,000
PROFESSIONAL SERVICES	Engineer	Water Management Services, LLC	
PROJECT SCHEDULE	Bid Opening	May 1, 2022	
	Construction Start	July 1, 2022	
	Construction Stop	October 1, 2022	
RESIDENTIAL RATES	Current	<u>Users</u> 5,591	<u>Avg. Bill</u> \$ 24.89 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Simpson County	\$ 125,000.00	
	Total	\$ 125,000.00	
Notes:			
	Total	\$ 125,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW253
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21213052
GRANTEE	SIMPSON COUNTY WATER DISTRICT SIMPSON COUNTY		
BRIEF DESCRIPTION			
This project involves the replacement of approximately 43,700 linear feet of existing water mains that have experienced excessive breaks and leaks. This should improve service for 93 existing residential customers.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW253	\$180,174	Administrative Expenses	\$20,000
Local	284,826	Legal Expenses	5,000
Other	1,879,000	Eng - Design / Const	7.6% 3.2% 70,000
		Eng - Insp	4.5% 2.7% 60,000
		Construction	1,990,000
		Contingency	199,000
TOTAL	<u>\$2,344,000</u>	TOTAL	<u>\$2,344,000</u>
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	February 28, 2022	
	Construction Start	April 15, 2022	
	Construction Stop	April 15, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 3,499	<u>Avg. Bill</u> \$ 30.42 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Simpson County	\$ 180,174.00	
	Total	\$ 180,174.00	
Notes:			
Local		\$ 284,826.00	
Other		\$ 1,879,000.00	
	Total	\$ 2,344,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW254
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21213029
GRANTEE	FRANKLIN, CITY OF SIMPSON COUNTY		
BRIEF DESCRIPTION			
A water line project to replace an old 4", 2" and 1" lines along Morgantown Rd. This project will eliminate three (3) dead ends, upgrade old lines and it will create a loop in the system that serves the northwest portion of the water system. Eliminating the dead ends in the system will improve water quality by eliminating disinfection byproducts.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW254	\$118,152	Administrative Expenses	\$0
Other	653,848	Construction	772,000
TOTAL	<u>\$772,000</u>	TOTAL	<u>\$772,000</u>
PROFESSIONAL SERVICES	Engineer	Barge Design Solutions, Inc.	
PROJECT SCHEDULE	Bid Opening	January 1, 2023	
	Construction Start	April 1, 2023	
	Construction Stop	October 1, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 5,591	<u>Avg. Bill</u> \$ 24.89 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Simpson County	\$ 118,152.00	
	Total	\$ 118,152.00	
Notes:			
Other		<u>\$ 653,848.00</u>	
	Total	\$ 772,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW255
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21051020
GRANTEE	NORTH MANCHESTER WATER ASSOCIATION INC CLAY COUNTY		
BRIEF DESCRIPTION			
The project will replace 2.5 miles of water line along Fox Hollow Road and Charlie Sizemore Road, rehabilitation of the SR 638 Pump Station, along with the Foggertown Interconnect with East Laurel and replacement of the Fox Hollow tank solenoid control valve.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW255	\$365,443	Administrative Expenses	\$22,000
Other	408,257	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	575,000
		Contingency	57,500
TOTAL	<u>\$773,700</u>	TOTAL	<u>\$773,700</u>
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	\$ 365,443.00	
	Total	\$ 365,443.00	
Notes:			
Other		<u>\$ 408,257.00</u>	
	Total	\$ 773,700.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW256
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21051019
GRANTEE	MANCHESTER, CITY OF CLAY COUNTY		
BRIEF DESCRIPTION			
This project proposes to inspect and make the necessary repairs to the City's 8 Water Storage Tanks. The tanks range in size from 100,000 gallons to 650,000 gallons. The city will have all tanks inspected and determine to most necessary repairs and will then put the remaining repairs on their Asset Management plan.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW256	\$365,442	Administrative Expenses	\$25,000
Other	681,558	Legal Expenses	5,000
		Planning	15,000
		Eng - Design / Const	9.0% 8.4% 74,000
		Eng - Insp	5.8% 5.5% 48,000
		Construction	800,000
		Contingency	80,000
TOTAL	\$1,047,000	TOTAL	\$1,047,000
PROFESSIONAL SERVICES	Engineer	Haworth, Meyer & Boleyn, Inc.	
PROJECT SCHEDULE	Bid Opening	October 1, 2021	
	Construction Start	December 15, 2021	
	Construction Stop	January 26, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 4,269	<u>Avg. Bill</u> \$ 11.40 (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	\$ 365,442.00	
	Total	\$ 365,442.00	
Notes:			
Other		\$ 681,558.00	
	Total	\$ 1,047,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW257
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21125549
GRANTEE	WEST LAUREL WATER ASSOCIATION INC LAUREL COUNTY		
BRIEF DESCRIPTION			
Installation of approximately 9200 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 - 21CWW257	452,996	Legal Expenses	10,000
		Eng - Design / Const	10.7% 7.3% 28,924
		Eng - Insp	8.0% 4.6% 18,078
		Construction	363,453
		Contingency	32,541
TOTAL	<u>\$452,996</u>	TOTAL	<u>\$452,996</u>
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	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	\$ 452,996.00	
	Total	\$ 452,996.00	
Notes:			
	Total	\$ 452,996.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW258
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21031054
GRANTEE	MORGANTOWN, CITY OF BUTLER COUNTY		
BRIEF DESCRIPTION This project will replace 72 gate valves, ranging in size from 4 inch to 12 inch and 10 hydrant assemblies. Most of the valves and hydrants do not work because they are extremely old. Without working valves, the entire system has to be shut down when a water line break occurs.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW258	122,033	Eng - Design / Const	10.3% 9.7% 48,000
Other	466,967	Eng - Insp	7.4% 8.9% 44,000
		Construction	452,000
		Contingency	45,000
TOTAL	<u>\$589,000</u>	TOTAL	<u>\$589,000</u>
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening	August 15, 2022	
	Construction Start	September 19, 2022	
	Construction Stop	April 28, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 858	<u>Avg. Bill</u> \$ 38.58 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Butler County	\$ 122,033.00	
	Total	\$ 122,033.00	
Notes:			
Other		<u>\$ 466,967.00</u>	
	Total	\$ 589,000.00	

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT		Reviewer CPBOC Date KIA Grant Number WRIS Number	Milward Dedman July 21, 2022 21CWW259 WX21077009
GRANTEE	GALLATIN COUNTY WATER DISTRICT GALLATIN COUNTY		
BRIEF DESCRIPTION			
Project involves the replacement and installation of approximately ten (10) gate valves throughout the distribution system that are inoperable or would aid in isolating the system. The project also involves installation of approximately 15 - 20 sampling stations in the distribution system to aid in the collection of water samples and ensure compliance with water quality standards. Additionally, the project involves installation of transfer switches and connection lugs at seven (7) different sites within the distribution system. This will allow the quick connection of a generator in an emergency situation. Lastly, the project will include the extension of approximately 1,500 LF of 6" water main to the Blue Heron subdivision.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW259	\$116,823	Eng - Design / Const	12.9% 12.0% 19,070
Other Funding	78,307	Eng - Insp	11.5% 10.8% 17,110
		Construction	144,500
		Contingency	14,450
TOTAL	<u>\$195,130</u>	TOTAL	<u>\$195,130</u>
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	October 1, 2021	
RESIDENTIAL RATES	Current	<u>Users</u> 2,004	<u>Avg. Bill</u> \$ 43.94 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Gallatin County	\$ 116,823.00	
	Total	\$ 116,823.00	
Notes:			
This grant is a reallocation of a previously approved grant. Previous Grantee: Gallatin County Water District Previous Grant # 21CWW061 Previous WRIS # WX21077004 Prior Approval Date: 6/23/2022			

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW260
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21087026
GRANTEE	GREEN-TAYLOR WATER DISTRICT GREEN COUNTY		
BRIEF DESCRIPTION			
The proposed work includes a full scale rehabilitation of the District's existing Summersville Booster Pump Station located at the District's purchase point from Greensburg Water Works. The rehabilitation will include new interior piping, valves, pumps, metering and electrical/control systems including variable frequency drives (VFD's). In addition, minor improvements to the pump station building such as painting and HVAC replacement are also included. The station capacity will be marginally increased through the project.			
PROJECT FINANCING		PROJECT BUDGET	
CWP - Water Grant - 21CWW260	\$285,000	RD Fee %	Actual %
		Administrative Expenses	\$3,500
		Legal Expenses	1,500
		Eng - Design / Const	11.9% 11.0% 25,500
		Eng - Insp	9.9% 9.3% 21,500
		Eng - Other	2,000
		Construction	210,000
		Contingency	21,000
TOTAL	\$285,000	TOTAL	\$285,000
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Incorporated	
PROJECT SCHEDULE	Bid Opening	June 1, 2022	
	Construction Start	October 1, 2022	
	Construction Stop	December 1, 2022	
RESIDENTIAL RATES	Current	<u>Users</u> 5,613	<u>Avg. Bill</u> \$ 42.78 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Green County	\$ 285,000.00	
	Total	\$ 285,000.00	
Notes:			
	Total	\$ 285,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW261
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21087027
GRANTEE	GREEN-TAYLOR WATER DISTRICT GREEN COUNTY		
BRIEF DESCRIPTION			
The proposed work includes a full scale rehabilitation of the District's existing Pikeview Water Storage Tank located in the Gresham community. The rehabilitation will include various structural and other repairs, safety improvements, along with the complete removal and replacement of all interior coatings and spot repairs and overcoat on the tank exterior.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW261	\$116,820	Administrative Expenses	\$3,500
Other	206,180	Legal Expenses	1,500
		Eng - Design / Const	11.6% 10.8% 28,500
		Eng - Insp	9.4% 8.9% 23,500
		Eng - Other	2,000
		Construction	240,000
		Contingency	24,000
TOTAL	\$323,000	TOTAL	\$323,000
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Incorporated	
PROJECT SCHEDULE	Bid Opening	June 1, 2022	
	Construction Start	October 1, 2022	
	Construction Stop	December 1, 2022	
RESIDENTIAL RATES	Current	<u>Users</u> 5,613	<u>Avg. Bill</u> \$ 42.78 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Green County	\$ 116,820.00	
	Total	\$ 116,820.00	
Notes:			
Other		\$ 206,180.00	
	Total	\$ 323,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW262
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21109002
GRANTEE	MCKEE, CITY OF JACKSON COUNTY		
BRIEF DESCRIPTION			
Construct a new 250,000 gallon elevated water storage tank near the existing Jackson County Board of Education Complex adjacent to US 421 east of McKee. The new tank will replace an existing 50 year old ground storage reservoir. The new tank would help improve the storage capacity of the McKee Distribution System, provide additional supply for the educational complex and remove aged infrastructure with a new capital asset. Also the installation of 6,000 LF (+/-) of transmission main line will be installed to supply the new storage tank. Pump rehabilitation will be performed on stations located at the WTP and the pump station located on Ridge Road east of downtown. The high service pumps may need to have impellers replaced and/or new pumps installed due to the changes in operating conditions of a new tank.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW262	159,521	Legal Expenses	9,000
Other	1,665,479	Land, Easements	6,000
		Eng - Design / Const	8.1% 7.6% 123,000
		Eng - Insp	5.0% 4.7% 75,000
		Construction	1,450,000
		Contingency	162,000
TOTAL	<u>\$1,825,000</u>	TOTAL	<u>\$1,825,000</u>
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 355	<u>Avg. Bill</u> \$ 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	\$ 159,521.00	
	Total	\$ 159,521.00	
Notes:			
Other		<u>\$ 1,665,479.00</u>	
	Total	\$ 1,825,000.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW263
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21129008
GRANTEE	BEATTYVILLE, CITY OF LEE COUNTY		
BRIEF DESCRIPTION			
The project includes repair of sinkhole and damage to hydrogen peroxide piping, replacement of sludge holding basin mixer, restoration of on-site sodium hypochlorite generation system, sedimentation basin sludge removal equipment, ultraviolet disinfection equipment and automatic filter backwash system repairs.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW263	\$271,883	Administrative Expenses	\$12,000
		Legal Expenses	500
		Planning	2,500
		Eng - Design / Const	12.1% 11.3% 24,000
		Eng - Insp	10.2% 9.4% 20,000
		Construction	175,000
		Contingency	37,883
TOTAL	\$271,883	TOTAL	\$271,883
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	Users 2,690	Avg. Bill \$ 34.61 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Lee County	\$ 271,883.00	
	Total	\$ 271,883.00	
Notes:			
	Total	\$ 271,883.00	

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

Reviewer Milward Dedman
 CPBOC Date July 21, 2022
 KIA Grant Number 21CWW264
 WRIS Number WX21141067

GRANTEE AUBURN, CITY OF
 LOGAN COUNTY

BRIEF DESCRIPTION

This proposed project includes replacing nearly 1,900 LF of old 2" galvanized pipelines presently serving approximately 19 customers. The upgraded waterline will offer hydraulic improvements by looping existing 6" lines plus provide improved fire protection for the affected area. Additionally, approximately 17 customers will be transitioned over to an existing 6" DIP waterline which will allow for the removal of all 2" galvanized piping on Wilson Avenue.

PROJECT FINANCING		PROJECT BUDGET			
			RD Fee %	Actual %	
CWP - Water Grant - 21CWW264	\$111,040	Administrative Expenses			\$500
Other Funding	133,960	Legal Expenses			500
		Eng - Design / Const	12.2%	11.3%	23,000
		Eng - Insp	10.3%	8.9%	18,000
		Construction			184,500
		Contingency			18,500
TOTAL	\$245,000	TOTAL			\$245,000

PROFESSIONAL SERVICES Engineer McGhee Engineering, Inc.

PROJECT SCHEDULE
 Bid Opening TBD
 Construction Start TBD
 Construction Stop TBD

RESIDENTIAL RATES
 Current Users 739 Avg. Bill \$ 45.23 (for 4,000 gallons)

REGIONAL COORDINATION This project is consistent with regional planning recommendations.

Allocation Source	Allocated County	Allocated Amount		
County Allocation Pool	Logan County	\$ 111,040.00		
	Total	\$ 111,040.00		

Notes:

This grant is a reallocation of a previously approved grant.
 Previous Grantee: Auburn, City of
 Previous Grant # 21CWW116
 Previous WRIS # WX21141069
 Prior Approval Date: 04/19/2022

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW265
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21141084
GRANTEE	EAST LOGAN WATER DISTRICT LOGAN COUNTY		
BRIEF DESCRIPTION			
<p>The proposed project involves replacement of all meters, setters, boxes and service tubing within one of the District's SCADA zone areas between Russellville and Auburn (Logan Co). This particular area is commonly called the 'Montgomery Road Master Meter Area'. This zone consists of approximately 180 active meter sets with many being some of the original customers from the District's formation. The District's operators have identified aging and leaking service tubing to be a significant source to the District's water loss issue, which measured at 25.3% in 2020. This initial meter replacement project has an estimated cost of \$415,000, and it is expected to take 3 months to complete.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW265	\$144,375	Administrative Expenses	\$1,500
Other Funding	232,625	Eng - Design / Const	10.9% 0.0%
		Eng - Insp	8.3% 0.0%
		Eng - Other	15,000
		Construction	360,500
TOTAL	<u>\$377,000</u>	TOTAL	<u>\$377,000</u>
PROFESSIONAL SERVICES	Engineer	McGhee Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening	January 15, 2023	
	Construction Start	March 15, 2023	
	Construction Stop	May 15, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 3,201	<u>Avg. Bill</u> \$ 42.23 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Logan County	\$ 144,375.00	
	Total	\$ 144,375.00	
Notes:			
<p>This grant is a reallocation of a previously approved grant. Previous Grantee: East Logan Water District Previous Grant # 21CWW118 Previous WRIS # WX21141082 Prior Approval Date: 04/19/2022</p>			

EXECUTIVE SUMMARY		Reviewer	Milward Dedman
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW266
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21191008
GRANTEE	BUTLER, CITY OF PENDLETON COUNTY		
BRIEF DESCRIPTION			
Rehabilitation of the sole water storage tank in the City's system. The City will begin with this project replacing the existing water meters with radio read meters.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW266	\$133,958	Administrative Expenses	\$5,000
Local Funding	3,742	Eng - Design / Const	13.9% 12.7% 13,300
		Eng - Insp	12.9% 11.9% 12,400
		Eng - Other	2,500
		Construction	95,000
		Contingency	9,500
TOTAL	\$137,700	TOTAL	\$137,700
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	August 1, 2022	
	Construction Start	September 1, 2022	
	Construction Stop	March 31, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 369	<u>Avg. Bill</u> \$ 38.61 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Pendleton County	\$ 133,958.00	
	Total	\$ 133,958.00	
Notes:			
This grant is a reallocation of a previously approved grant. Previous Grantee: Butler, City of Previous Grant # 21CWW182 Previous WRIS # WX21191015 Prior Approval Date: 03/17/2022			

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW267
CLEANER WATER PROGRAM GRANT		WRIS Number	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 - 21CWW267	\$204,380	Administrative Expenses	\$4,300
Local	31,182	Eng - Design / Const	12.1% 11.3% 23,475
		Construction	207,787
TOTAL	<u>\$235,562</u>	TOTAL	<u>\$235,562</u>
PROFESSIONAL SERVICES	Engineer	TBD	
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	\$ 204,380.00	
	Total	\$ 204,380.00	
Notes:			
Local		<u>\$ 31,182.00</u>	
	Total	\$ 235,562.00	

EXECUTIVE SUMMARY		Reviewer	Alex Fisher
KENTUCKY INFRASTRUCTURE AUTHORITY		CPBOC Date	July 21, 2022
DRINKING WATER AND WASTEWATER GRANT PROGRAM		KIA Grant Number	21CWW268
CLEANER WATER PROGRAM GRANT		WRIS Number	WX21215002
GRANTEE	TAYLORSVILLE, CITY OF SPENCER COUNTY		
BRIEF DESCRIPTION			
<p>This existing transmission/distribution line, which is a 6" Class 160 PVC Waterline, has multiple and continuous leak problems and is approximately 50 years old. This problematic line causes loss of services to customers and loss of resources to the City of Taylorsville in labor, materials, and purchased water. In 2019, the City of Taylorsville replaced the Mt. Eden water tank with a larger and higher 300,000 gallon tank at Possum Ridge. This tank increased pressure and offered better service to all customers in the Mt. Eden area of the water distribution system. However, the increased pressure exacerbated the problem in the Mill Road/Mt. Eden waterlines by increasing the frequency and volume of leaks. This project will replace the lines with higher class C900 water mains.</p>			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW268	\$710,686	Administrative Expenses	\$5,000
Other	659,314	Legal Expenses	10,000
		Planning	35,000
		Eng - Design / Const	8.7% 8.1% 93,000
		Eng - Insp	5.5% 5.1% 59,000
		Eng - Other	18,000
		Construction	1,050,000
		Contingency	100,000
TOTAL	\$1,370,000	TOTAL	\$1,370,000
PROFESSIONAL SERVICES	Engineer	Sisler-Maggard Engineering, PLLC	
PROJECT SCHEDULE	Bid Opening	November 1, 2022	
	Construction Start	January 1, 2023	
	Construction Stop	June 15, 2023	
RESIDENTIAL RATES	Current	<u>Users</u> 8,023	<u>Avg. Bill</u> \$ 24.43 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Spencer County	\$ 710,686.00	
	Total	\$ 710,686.00	
Notes:			
Other		\$ 659,314.00	
	Total	\$ 1,370,000.00	

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY DRINKING WATER AND WASTEWATER GRANT PROGRAM CLEANER WATER PROGRAM GRANT		Reviewer CPBOC Date KIA Grant Number WRIS Number	Milward Dedman July 21, 2022 21CWW269 WX21221018
GRANTEE	BARKLEY LAKE WATER DISTRICT TRIGG COUNTY		
BRIEF DESCRIPTION			
This project will replace the AC waterline in the Grays Shady Lane and Solomon Drive areas on the north end of the county. This is a smaller project cut out of their overall Lakeside Waterline Replacements Project WX21221017.			
PROJECT FINANCING		PROJECT BUDGET	RD Fee % Actual %
CWP - Water Grant - 21CWW269	\$376,651		
Other Funding	59,286	Construction	435,937
TOTAL	<u>\$435,937</u>	TOTAL	<u>\$435,937</u>
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening	TBD	
	Construction Start	TBD	
	Construction Stop	TBD	
RESIDENTIAL RATES	Current	<u>Users</u> 5,508	<u>Avg. Bill</u> \$ 34.39 (for 4,000 gallons)
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.		
Allocation Source	Allocated County	Allocated Amount	
County Allocation Pool	Trigg County	\$ 376,651.00	
	Total	\$ 376,651.00	
Notes:			
This grant is a reallocation of a previously approved grant. Previous Grantee: Barkley Lake Water District Previous Grant # 21CWW205 Previous WRIS # WX21221017 Prior Approval Date: 03/17/2022			