



KENTUCKY INFRASTRUCTURE AUTHORITY

Andy Beshear
Governor

100 Airport Road
Frankfort, Kentucky 40601
(502) 573-0260
kia.ky.gov

Sandy Williams
Executive Director

December 1, 2024

The Honorable Senator Christian McDaniel, Co-Chair
The Honorable Representative Jason Petrie, Co-Chair
Interim Joint Committee on Appropriations and Revenue
Legislative Research Commission
Capitol Annex Building
702 Capital Ave.
Frankfort, KY 40601

Dear Senator McDaniel, Representative Petrie, and Members of the Interim Joint Committee on Appropriations and Revenue:

House Bill 563 (2024 Regular Session) created the Kentucky Water and Wastewater Assistance for Troubled or Economically Restrained Systems (Kentucky WWATERS) Program. Administered by the Kentucky Infrastructure Authority, the program provides a funding application and evaluation process for eligible public water and wastewater systems to seek funding from the General Assembly.

House Bill 1 (2024 Regular Session) appropriated \$75 million in Fiscal Year 2025 and \$75 million in Fiscal Year 2026 to fund the new program. Evaluated applications numbered 162 for a total request of \$733,551,955. Application amounts ranged from \$82,250 to \$52.7 million.

Pursuant to KRS 224A.320(7)(g), a report detailing the evaluations and scores of the proposed funding recipients, proposed funding terms and structures, etc., is attached.

Sincerely,

A handwritten signature in blue ink that reads "Sandy Williams".

Sandy Williams
Executive Director

Attachments



An Equal Opportunity Employer M/F/D

House Bill 563 (2024 Regular Session) created the Kentucky Water and Wastewater Assistance for Troubled or Economically Restrained Systems (Kentucky WWATERS) Program. The program, which is to be administered by the Kentucky Infrastructure Authority (KIA), provides a funding application and evaluation process for eligible public water and wastewater systems to seek funding from the General Assembly. While established as a revolving loan fund, the program allows for multiple funding types, including loans, interest-free loans, forgivable loans, and grants.

KY WWATERS Program Specifics

The Kentucky WWATERS Program was established to provide for an orderly process to apply for funds for eligible projects and for applications to be evaluated, scored, and presented to the General Assembly for consideration for funding. KRS 224A.320 defines eligible funding recipients as public water or wastewater systems meeting one or more of the following criteria:

- The median household income within the service area of the funding applicant is less than the Commonwealth's median household income.
- User rates for the public drinking water or wastewater services provided by the funding applicant are at or above one percent (1%) of annual household income for its service area.
- The funding applicant has failed to produce a financial statement audit in at least one (1) of the prior three (3) years.
- The funding applicant has negative income in any two (2) of the previous (5) years.
- The funding applicant's debt service coverage ratio, calculated by dividing its annual net operating income by its annual debt payments, was less than one and one-tenth (1.1) in any three (3) of the previous five (5) years.
- The funding applicant's current accounts payable turnover ratio, calculated by dividing its monthly net credit purchases from suppliers by its average accounts payable balance for the month is less than one (1).
- The funding applicant's current days' sales in accounts receivable ratio, calculated by dividing its monthly accounts receivable by its monthly credit sales value and multiplying the resulting quotient by the number of days in that month is greater than forty-five (45) days.
- The funding applicant has received a notice of violation or has entered into an agreed order as a result of a violation of the requirements of the Safe Drinking Water Act, 42 U.S.C. sec. 300f et seq., or the Clean Water Act, 33 U.S.C. sec. 1251 et seq., in the past year.
- The percentage of water loss of the funding applicant system is greater than 30 percent (30%).

Eligible funding recipients are required to apply to the KIA board including a corrective action

plan detailing how the requested funds will be used to address the performance deficiencies that made the applicant eligible for the funding. Financing proceeds may be used for capital and non-capital expenditures. See Table 1 for a list of eligible funding uses.¹

Table 1
Kentucky WWATERS Program
Eligible Funding Uses

Eligible Funding Uses (per statute)
Developing technical, operation, and maintenance resources and expertise
Improving utility infrastructure planning, repair, maintenance, renovation, and management of plants and assets
Obtaining technical expertise in areas of rate-setting, cost-of-service, and proper utility accounting standards for the utility type
Performing and correcting deficiencies from drinking water, wastewater, and financial audits
Providing financings for financial inadequacies, including debt service coverage through relief or refinance of the drinking water or wastewater system's debt
Providing payment assistance for other financial inadequacies including but not limited to excessive maintenance costs, fines, and penalties from past violations, or consultants; and
Extending financing for inadequately maintained distribution, collection, or treatment works, including service extensions to unserved or underserved areas and the renovation of treatment works to conserve resources

Source: KRS 224A.320(1)(c)

Funding Types and Terms

Per statute, funding may be awarded “in the form of grants, loans, non-interest loans, or forgivable loans as proposed by the board and determined by the General Assembly.” Interest rates for loans awarded will be set at least one-half percent (0.5%) lower than the rates for the federally assisted water supply revolving fund administered by the authority under KRS 224A.1115 and the federally assisted wastewater revolving fund administered by the authority under KRS 224A.111.²

Applicants receiving loans will be required to make principal and interest payments twice per year (June and December). Monthly repayment schedules may also be requested. Interest payments on the outstanding principal commences within six months of the first disbursement of funds. Principal repayment commences within one year of the initiation of the operation of the project.³

Per statute, funding applicants selected as eligible funding recipients approved under the Kentucky WWATERS Program “shall comply with any reporting or other requirements deemed necessary by [KIA] to verify that the awarded funding goes toward an eligible project and that the funding recipient is making improvements on the performance criteria” as described in the application. The eligible funding recipient shall also comply with any internal management and governance procedures that KIA may impose to correct any performance deficiencies that gave rise to the need for the requested funds.

Scoring Criteria

Statute specifies that each funding applicant’s project be evaluated and scored based on following criteria:

- The median household income within the service area of the funding applicant is less than the Commonwealth’s median household income.

- User rates for the public drinking water or wastewater services provided by the funding applicant are at or above one percent (1%) of annual household income for its service area.
- The funding applicant has failed to produce a financial statement audit in at least one (1) of the prior three (3) years.
- The funding applicant has negative income in any two (2) of the previous five (5) years.
- The funding applicant's debt service coverage ratio, calculated by dividing its annual net operating income by its annual debt payments, was less than one and one-tenth (1.1) in any three (3) of the previous five (5) years.
- The funding applicant's current accounts payable turnover ratio, calculated by dividing its monthly net credit purchases from suppliers by its average accounts payable balance for the month, is less than one (1).
- The funding applicant's current days' sales in accounts receivable ratio, calculated by dividing its monthly accounts receivable by its monthly credit sales value and multiplying the resulting quotient by the number of days in that month, is greater than forty-five (45) days.
- The funding applicant has received a notice of violation or has entered into an agreed order as a result of a violation of the requirements of the Safe Drinking Water Act, 42 U.S.C. sec. 300f et seq., or the Clean Water Act, 33 U.S.C. sec. 1251 et seq., in the past year.
- The percentage of water loss of the funding applicant's system is greater than thirty percent (30%).
- The funding applicant is willing to use the funding for regionalization, consolidation, or partnerships, consistent with the policy stated in KRS 224A.300(1).
- The funding applicant, after receiving the funding, will be able to fully resolve the pending issues that are the subject of its application using the funding and other funding sources, if available.
- The funding applicant's proposed project demonstrates a high level of community or regional impact potential if funding is awarded.

Emergency Kentucky WWATERS Program

Emergency funding is available for projects relating solely to restoring or avoiding imminent interruption of utility service provided by a public water or wastewater system after a statewide state of emergency has been declared pursuant to KRS Chapter 39A or a local state of emergency has been declared for the jurisdiction where the public water or wastewater system is located pursuant to KRS Chapter 39B. Projects funded under this program will use the same application and processes as the KY WWATERS Program with funding decision made by the KIA Board.

KIA Board Requirements

Statute requires that the KIA Board:

- Hold at least monthly meetings, which may be in conjunction with regularly scheduled board meetings, to discharge its duties related to the KY WWATERS program;
- Determine whether a funding applicant is an eligible funding recipient and is seeking funding for an eligible project;

- Based on the scoring criteria outlined above, develop an objective score card or rubric, which may be amended from time to time, to aid in the analysis and scoring of funding applications;
- Evaluate and score each funding applicant's project according to the extent to which it meets the scoring criteria outlined above;
- Within sixty (60) days of a funding application being deemed complete, make determinations on the eligibility of the proposed project and the applicant and issue a project score for the application;
- Provide detailed feedback to all funding applicants within fourteen (14) days of the project score being completed; and
- No later than December 1, 2024, and each December 1 thereafter, submit to the Legislative Research Commission for referral to the Interim Joint Committee on Appropriations and Revenue an annual report containing:
 - The evaluations and scores of the proposed funding recipients for the year to allow for the General Assembly to make the determinations for funding the proposed funding recipients. For each proposed funding recipient that meets the eligibility requirements for funding, the board shall provide a proposal for the structure and the terms of the funding, including but not limited to whether the funding should be awarded in whole or in part as a grant, loan, no-interest loan, or forgivable loan, the repayment terms and interest rates for loans or portions of loans, and any other conditions that the board proposes to be placed on the funding;
 - A list of all program applicants;
 - The identity of applicants who did not meet the eligibility requirements for participation in the program;
 - Trends found in feedback given to applicants who did not meet the eligibility requirements for participation in the program; and
 - Eligible uses of funding cited in the funding applications.⁴

KIA Board Actions

As mandated by statute, the KIA Board has discharged its duties related to the Kentucky WWATERS Program at its regularly scheduled board meetings.

Interest Rates

The board approved interest rates for the Kentucky WWATERS Programs at its July 11, 2024 meeting. Interest rates will be reset at least annually to go into effect each July 1.⁵ Table 2 shows interest rates for the program as of July 2024.

Table 2
Kentucky Infrastructure Authority
Kentucky WWATERS Program Interest Rates
Approved July 11, 2024

Interest Rate	Criteria
1.75%	Systems with a Median Household Income (MHI) above the Commonwealth's MHI
0.75%	1. Systems with MHI between 80 and 100 percent of the Commonwealth's MHI. 2. Project will achieve compliance with an Order of Judgment addressing environmental noncompliance. 3. Project meets the definition of regionalization per 200 KAR 17:050 for clean water or 200 KAR 17:070 for drinking water.
0.00%	Systems with MHI below 80 percent of the Commonwealth's MHI.

Source: KIA staff compilation of KY WWATERS interest rates as approved by the KIA Board at its July 11, 2024 meeting.

Scoring Rubric

At its September 5, 2024, meeting, the KIA Board approved a weighted scoring rubric ranging from 6 to 20 points for each of the statutorily-mandated scoring criteria. The maximum available points equal 125.⁶

Table 3
Kentucky Infrastructure Authority
KY WWATERS Program Scoring Criteria
Approved September 5, 2024

Scoring Category	Rubric	Maximum Score
Service area MHI compared to state MHI	<50% = 20 points 51% - 79% = 15 points 80% - 99% = 10 points	20
Drinking water or sewer rates compared to MHI	>1% = 10	10
Negative income any two of previous five years	3 years = 12 points 2 years = 8 points	12
Lack of audited financial statement in prior three years	2 years or more = 12 points 1 year = 8 points	12
Debt service coverage ratio < 1.1 in prior five years	>3 years = 12 points 3 years = 8 points	12
Accounts payable turnover ratio	Ratio <1.0 = 8 points	8
Accounts receivable ratio	>45 days = 6 points	6
Notice of Violation or Agreed Order within past year	If yes = 6 points	6
Water loss percentage	50% or more = 9 points 30% - 49% = 6 points	9
Funding will resolve issues specified in application	If yes = 10 points	10
Project demonstrates high level of community/regional impact	If yes = 10 points	10
Regionalization, consolidation, or partnership	If yes = 10 points	10
Maximum Total Score		125

Sources: Kentucky. General Assembly. *Acts of the 2024 Regular Session, ch. 185*; Kentucky. Kentucky Infrastructure Authority. Board Meeting Booklet, Oct. 3, 2024.

Financing Terms

The following standard loan terms were approved at the board's September 5, 2024 meeting:

- Loan Term was established at 30 years.
- If principal forgiveness is offered, it will be offered at 50% of the loan amount.
- Target debt service coverage ratio was established at 1.1.
- Target funding recommendation was established as the funding scenario that first reaches the target debt service coverage ratio.⁷

Emergency Projects

Table 4 reflects Emergency Kentucky WWATERS Program projects approved by the board.

Table 4
Kentucky Infrastructure Authority
Emergency Kentucky WWATERS Program
Approved Projects

Funding Recipient	Total Project Amount	KIA Grant Amount	Date Approved
Salyersville, City of	\$354,899	\$354,899	7/1/2024
Marion, City of		1,827,600	10/2/2024
Wood Creek Water District*		57,000	11/7/2024
KIA Grants – Total		\$2,239,499	

* Project approved contingent upon applicant submitting application documents and KIA staff completing a financial analysis of the applicant and project.

Source: KIA staff compilation of Emergency Kentucky WWATERS projects approved by the KIA board from July 2024 through November 2024.

Analysis of Submitted Applications¹

KIA received 167 applications during the application period of July 17, 2024, through August 30, 2024. Of the 167 submissions, 154 (or 92 percent) supplied all the required documentation for a combined total funding request of \$677,157,997. After working with applicants who did not provide a completed application packet, KIA staff were able to evaluate 162 applications (or 96 percent of all submissions) for a total request of \$733,551,955.² The assistance request amounts ranged from \$82,250 to nearly \$53 million.

Funding Uses Cited in Applications

In compliance with KRS 224A.320(7)(g)(5), KIA staff reviewed all 167 (eligible and ineligible) submitted applications to track the eligible uses of funding cited in the funding applications. As

¹ Analysis includes five (5) projects which were either not presented to the KIA board at its November 7, 2024, or have been amended since the November 7, 2024, KIA board meeting. The analysis in this section reflects the most recent evaluation and score for these projects. All five projects will be presented at the board's December 2024 meeting.

² Seven (7) applications were considered ineligible due to incomplete application packets which prevent KIA staff from scoring the projects.

noted, statute lists seven eligible uses of funding for the Kentucky WWATERS program. Table 5 reflects the number of instances that each eligible use was cited in all the submitted applications. As the application allowed applicants to select multiple funding uses, the combined count of uses reflected in Table 5 exceeds the number of total applications. The most frequently cited eligible use was “Improving utility infrastructure planning, repair, maintenance, renovation, and management of plants and assets,” which was cited 124 times (nearly 75 percent of all applications). The next most frequently cited funding use was for the extension of financing for inadequately maintained distribution, collection, or treatment works, which was cited in 52 applications (31.5 percent). There were 22 instances where the applicant cited “Other” as the funding use. In nearly every instance where “Other” was selected, the use fell under “Improving utility infrastructure planning, repair, maintenance, renovation, and management of plants and assets.”

Table 5
Kentucky Infrastructure Authority
Kentucky WWATERS Program
Eligible Uses of Funding Cited in Applications

Eligible Use of Funding	Count
Developing technical, operation, and maintenance resources and expertise	26
Improving utility infrastructure planning, repair, maintenance, renovation, and management of plants and assets	124
Obtaining technical expertise in areas of rate-setting, cost-of-service, and proper utility accounting standards for the utility type	11
Performing and correcting deficiencies from drinking water, wastewater, and financial audits	30
Providing financings for financial inadequacies, including debt service coverage through relief or refinance of the drinking water or wastewater system's debt	16
Providing payment assistance for other financial inadequacies including but not limited to excessive maintenance costs, fines, and penalties from past violations, or consultants; and	14
Extending financing for inadequately maintained distribution, collection, or treatment works, including service extensions to unserved or underserved areas and the renovation of treatment works to conserve resources	52
Other	22

Source: KIA staff compilation of funding uses as cited in submitted Kentucky WWATERS applications.

Trends Relating to Projects/Applicants Not Meeting Eligibility Requirements

KRS 224A.320(7)(g)(4) requires KIA staff to identify trends in feedback given to applicants who did not meet the eligibility requirements for participation in the Kentucky WWATERS Program. As noted, 154 of 167 submitted project applications (or 92 percent) supplied all the required documentation necessary for evaluation and scoring for the program. Of the remaining 13 project applications, eight were deemed ineligible for not providing a corrective action plan as required by KRS 224A.320(3)(a) and five were deemed ineligible due to incomplete application packets. While the submissions lacking corrective action plans are technically ineligible per statute, staff were able to evaluate and score the projects due to the other evidence in the respective application packets. Staff were unable to evaluate and score the seven projects deemed ineligible due to incomplete applications packets due to insufficient data. See Table 6 for additional information.

Table 6
Kentucky Infrastructure Authority
Kentucky WWATERS Program
Projects/Applicants That Did Not Meet Eligibility Requirements

No Corrective Action Plan	Incomplete Application Packet
Campton, City of (2)*	Clark County Sanitation District
Lincoln County Sanitation District	Lancaster, City of
Pikeville (2)*	New Haven, City of
Powell Valley Water District (2)*	Wolfe County Sanitation District
Russell, City of	Hazard, City of

* These applicants submitted more than one project. There are eight total projects from five applicants without corrective action plans.

Source: KIA staff compilation of projects deemed ineligible for Kentucky WWATERS program due to incomplete documentation.

Project Applicant Scoring Methodology and Results

As discussed earlier, the weighted scoring rubric approved by the KIA board considers all 12 statutorily mandated scoring criteria, allowing for a maximum total score of 125 (see Table 3 above for more information). To uniformly evaluate over 150 project applications, the following methodologies and assumptions were used:

- Debt service coverage was calculated using the most recent audited financial statement provided. No additional analysis was conducted to obtain updated information between the most recent audited financial state date and the current date.
- No future projections were considered. All decisions were based on the most recent audited financial statement provided.
- The MHI score was based on the Median Household Income (MHI) of the service area. Project area MHI was not evaluated. MHI data was obtained from the WRIS.
- The affordability ratio was calculated using the service area MHI. The 4,000-gallon rate was obtained from both application data and WRIS data. If a utility had inside and outside city rates, inside rates were used.
- If the applicant stated they did not have audited financial statements in 1 of the past 3 years and they provided 2 or less audits, they received points for this category.
- If the applicant stated they had negative income in 2 of the past 5 years but did not provide 2 years of financial statements showing negative income, they did not receive points in this category.
- If the applicant stated they had a debt service coverage ratio less than 1.1 in 3 of the past 5 years but did not provide 3 years of financial statements showing negative income, they did not receive points in this category.
- The accounts payable turnover ratio was only evaluated for the most recent year of financial data provided.
- The days' sales in accounts receivable ratio was only evaluated for the most recent year of financial data provided.
- A notice of violation or agreed order had to be issued within the past year. KIA used an "as of" date of July 1, 2023, representing the past calendar year.
- Average water loss was calculated using the number of reports provided by the

applicant.

- Every applicant received the total amount of points available in the category “Funding will be able to fully resolve the pending issues in the application.” There was no way for KIA staff to prove that the funding would not complete the project described in the application.
- If a project was designated as a regional project, the applicant received the total amount of points available in the category “Proposed project demonstrates a high level of community or regional impact potential.”
- If a project was designated as a regional project, the applicant received the total amount of points available in the category “Use funding for regionalization, consolidation, or partnerships.”

Scoring and Financing Recommendations

Attachment A details the scoring and financing recommendations for the 154 projects that were deemed eligible under the program. While technically ineligible, the eight project applicants who did not submit a corrective action plan were also scored (Attachment B). The remaining five projects, which KIA staff were unable to score due to lack of documentation, are listed on Attachment C. Attachment D includes the Executive Summaries and Score Sheets for all projects approved by the KIA Board at its November 7, 2024, meeting.

Attachment A lists all eligible projects in descending order based on their respective weighted scores. The project scores for eligible applicants from a high of 82 to a low of 10. Financing recommendations are highlighted in green and are determined by whether a grant, loan, no-interest loan, or 50% forgivable loan would result in a debt service coverage ratio equal to or greater than 1.1.

Table 7 shows the financing recommendations approved by the KIA Board. Of the 154 projects deemed eligible for the program, more than half (80 projects) are best suited for grants. None of the 26 highest scoring projects – with a combined total funding request of nearly \$61 million – show the financial capacity to support anything other than a grant. Of the 50 projects that scored the highest, only eight applicants show the ability to support even partial principal and interest payments. A recommendation for full principal and interest payments was made for 53 of the project applicants (34 percent), largely consisting of projects with scores of 45 and below.

Table 7
Kentucky Infrastructure Authority
Kentucky WWATERS Program
Financing Recommendations for Eligible Projects

Assistance Type	Number of Projects	% of Total Projects
Grant	80	51.0%
Principal Forgiveness (50%)	12	7.9
Principal Only (Interest Free)	9	5.3
Full Principal & Interest	53	35.8
Total	154	100.0%

Source: Kentucky Infrastructure Authority

KIA Board Approval of Kentucky WWATERS Program Scoring and Recommendations

At its November 7, 2024 meeting, the KIA Board approved the Kentucky WWATERS Program Scoring and Recommendations calculated using the methodologies and assumptions discussed earlier in this report. On behalf of the Board, KIA staff emailed feedback to all funding applicants on November 14, 2024.

Projects Assessed Following KIA’s November 2024 Board Meeting

Two projects (Nicholas County Water District, City of Hazard) were inadvertently omitted from the presentation made at the November 2024 KIA board meeting. Both projects have subsequently been evaluated and will be presented at the board’s December 2024 meeting.

Three projects (City of Evarts, Parksville Water District, City of Stanford) that were originally deemed ineligible due to insufficient documentation were found to be eligible after the November 2024 KIA board meeting. KIA staff re-evaluated the projects and the amended evaluations and scores will be presented at the board’s December 2024 meeting.

Attachment E includes the Executive Summaries and Scores sheets for the five new/amended project evaluations. All five applicants will be provided feedback within 14 days of the completion of the project scoring, as specified by statute.

Both the analyses included in this report and the scoring and financing recommendations included in Attachments A – C reflect the most recent evaluations and scores for all 167 submitted applications.

¹ Kentucky. General Assembly. *Acts of the 2024 Regular Session*, ch. 185.

² Ibid.

³ Kentucky. Kentucky Infrastructure Authority. *2025 Kentucky WWATERS Financing Handbook*. July 2024, p. 7.

⁴ Kentucky. General Assembly. *Acts of the 2024 Regular Session*, ch. 185.

⁵ Kentucky. Kentucky Infrastructure Authority. Board Meeting Booklet, July 11, 2024; Kentucky. Kentucky Infrastructure Authority. Board Meeting Booklet, Sept. 5, 2024.

⁶ Kentucky. Kentucky Infrastructure Authority. Board Meeting Booklet, Sept. 5, 2024; Kentucky. Kentucky Infrastructure Authority. Board Meeting Booklet, Oct. 3, 2024.

⁷ Ibid.

Attachment A

Kentucky Water and Wastewater Assistance for Troubled or Economically Restrained Systems (KY WWATERS)

Scoring and Financing Recommendations

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
					P & I	P	50% P	Grant				
City of Martin	City of Martin Debt Service	W25-073	NA	300,000	-1.30	-1.30	-1.46	-1.67	82	27,397	46%	752
City of Martin	Wastewater Plant Rehabilitation	W25-073	SX21071018	205,000	-1.40	-1.40	-1.52	-1.67	82	27,397	46%	752
City of Martin	City of Martin Water Loss Reduction Project	W25-073	WX21071011	622,800	-1.05	-1.05	-1.29	-1.67	82	27,397	46%	752
City of Elkhorn City	Elkhorn City Water Loss Reduction Project	W25-021	WX21195009	1,283,838	0.00	0.00	0.00	0.00	82	44,160	73%	516
City of Brodhead	Bowling Ridge Tank Rehab, Radio-Read Meters, and WWTP Influent Flow Meters	W25-113	WX21203011	369,955	-1.53	-1.53	-1.76	-2.09	81	33,052	55%	1,417
Trimble County Fiscal Court	Bedford Septage Receiving Station	W25-146	SX21223020	1,320,000	-0.34	-0.34	-0.40	-0.50	81	47,131	78%	866
City of Brodhead	Brodhead Pump Replacement	W25-117	SX21203007	213,800	-1.72	-1.72	-1.89	-2.09	78	29,023	48%	1,111
City of Sturgis	Sturgis Waterline Replacement Water Loss Project	W25-050	WX21225068	235,392	0.97	0.97	1.00	1.04	75	42,273	70%	1,052
City of Sturgis	Sturgis Water Line Improvements Project	W25-033	WX21225067	1,804,530	0.67	0.67	0.82	1.04	75	42,273	70%	1,052
City of Crab Orchard	Water Tank Rehab Phase II	W25-093	WX21137067	82,250	-0.50	-0.50	-0.51	-0.52	73	28,331	47%	789
Black Mountain Utility District	BMUD Water Distribution System Improvements and Extensions	W25-153	WX21095026	3,022,100	0.10	0.10	0.13	0.18	73	36,136	60%	1,563
City of Arlington	Repair and Rehab of City of Arlington existing sewer system	W25-028	SX21039019	934,330	-2.10	-2.10	-4.20	N/A	73	38,122	63%	283
City of Jenkins	Housing Development Gravity Sewer Extension	W25-057	SX21133032	2,165,000	0.57	0.57	0.66	0.79	72	26,500	44%	1,795
City of Crab Orchard	Main Lift Station and Sanitary Sewer Rehab	W25-094	SX21137025	1,670,640	-0.27	-0.27	-0.36	-0.52	72	28,331	47%	789
City of Mount Vernon	Hunter Street Pump Station Replacement	W25-009	SX21203008	928,575	0.72	0.72	0.75	0.77	71	35,143	58%	2,809
City of Mount Vernon	Wastewater Treatment Plant and Pump Station Improvements	W25-010	SX21203191	12,600,000	0.38	0.38	0.51	0.77	71	35,143	58%	2,809
Morgan County Water District	Morgan County Water District - WWaters Funds Project	W25-110	WX21175063	500,000	0.31	0.31	0.32	0.32	71	47,157	78%	8,761
City of McKee	Phase 1 - Wastewater System Rehabilitation	W25-067	WX21109001	1,702,099	0.73	0.73	0.93	1.29	70	21,560	36%	949
City of Livingston	City of Livingston Debt Elimination Grant	W25-143	NA	220,178	NA	NA	NA	NA	68	30,000	50%	280
City of Cloverport	Cloverport Wastewater Plant	W25-061	SX21027005	7,171,000	0.14	0.14	0.24	0.99	67	33,250	55%	1,073
City of Jenkins	Housing Development Waterline Extension	W25-056	WX21133081	2,835,000	0.53	0.53	0.63	0.79	66	28,631	48%	2,300
City of Bradfordsville	Bradfordsville I&I Rehabilitation - Phase 2	W25-019	SX 21155015	747,500	-0.06	-0.06	-0.10	-0.28	66	30,055	50%	280

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
Mercer County Sanitation District	MCSD- Herrington Lake Sanitary Sewer Force Main Project	W25-129	SX21167028	11,153,992	0.44	0.47	0.68	1.23	66	58,827	98%	961
City of Gamaliel	Gamaliel Wastewater Overhaul	W25-085	SX21171022	5,009,600	-0.64	-0.64	-1.27	NA	65	34,843	58%	509
Mountain Water District	Mountain Water District Debt Service	W25-109	NA	1,155,542	0.66	0.66	0.67	0.68	65	41,904	70%	35,094
Mountain Water District	Mountain Water District-Water Treatment Plant Improvements	W25-114	WX21195067	2,454,000	0.64	0.64	0.66	0.68	65	41,904	70%	35,094
WHITLEY COUNTY WATER DISTRICT NO. 1	WCWD SYSTEM IMPROVEMENTS	W25-154	WX21235013	3,290,000	1.53	1.53	1.77	2.10	65	42,984	71%	10,492
City of Burkesville	Burkesville Drinking Water Distribution Upgrade	W25-014	WX21057030	1,646,875	0.18	0.18	0.18	0.19	64	28,447	47%	1,769
City of Evarts*	New Raw Water Source Project	W25-151	WX21095023	1,500,000	-0.32	-0.32	-0.40	-0.54	64	32,512	54%	3,338
City of Liberty	City of Liberty New Dam for Water Supply	W25-126	WX21045018	9,044,000	0.39	0.39	0.48	0.63	64	29,397	49%	2,143
City of Columbus	Columbus Water Treatment Plant Rehabilitation	W25-041	WX21105009	1,800,000	-0.04	-0.04	-0.08	NA	64	36,450	61%	152
City of Whitesburg	Whitesburg I&I Phase I	W25-076	SX21133023	3,650,000	0.38	0.38	0.48	0.67	63	34,918	58%	2,036
City of Hindman	Hindman Radio Read Meter Project	W25-140	WX21119029	808,500	0.73	0.73	0.82	0.93	63	36,048	60%	2,723
Elliott County Fiscal Court	Elliott County Line Extensions	W25-128	WX21063017	1,365,100	1.60	1.60	1.60	1.70	62	49,210	82%	9,926
City of Booneville	Booneville Sewer Force Main Re-Direction Project	W25-124	SX21189007	274,000	-1.22	-1.22	-1.24	-1.27	61	34,551	57%	1,047
CUMBERLAND COUNTY WATR DISTRICT	Marrowbone Area Water System Replacement	W25-006	WX21057022	2,500,000	0.48	0.48	0.54	0.63	61	39,474	66%	3,953
Cumberland County Water District	Marrowbone Area Water System Replacement	W25-005	WX21057022	2,500,000	0.50	0.50	0.50	0.60	61	39,474	66%	3,953
Caveland Environmental Authority	Brownsville Force main and pumping Stations	W25-023	SX21061012	7,112,000	0.83	0.83	0.91	1.01	61	44,616	74%	8,516
McCreary County Water District	Phase 1 - Marshes Siding AC Waterline Replacements	W25-013	WX21147041	3,657,000	0.52	0.52	0.54	0.56	59	34,903	58%	15,175
City of Wingo	Asbestos Cement Line Replacement	W25-068	WX21083086	825,000	0.13	0.14	0.19	0.32	58	48,401	80%	617
Village of Buckhorn	Buckhorn Radio Read Meter Project	W25-130	WX21193083	319,980	-25.24	-28.23	-56.47	NA	58	48,501	81%	826
Crittenden-Livingston Counties Water District	CLWD Water Treatment Plant Expansion--Phase II	W25-046	WX21055021	26,826,575	0.49	0.52	0.68	0.99	58	48,808	81%	8,346
Martin County Sanitation District	Inez Wastewater System Improvement Project	W25-084	SX21159013	4,836,550	0.73	0.73	1.09	2.15	57	38,804	64%	1,208
Martin County Sanitation District	Warfield Wastewater Treatment Plant Upgrade	W25-085	SX21159014	1,540,513	1.33	1.33	1.64	2.15	57	38,804	64%	1,208
Martin County Sanitation District	Save A Lot Lift Station Improvements	W25-086	SX21159016	125,000	2.05	2.05	2.10	2.15	57	38,804	64%	1,208

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
Martin County Sanitation District	Martin County Sanitation District- Saltwell Lift Station Improvements	W25-087	SX21159019	320,000	1.90	1.90	2.02	2.15	57	38,804	64%	1,208
Greenup County Fiscal Court	Greenup Joint Sewer Agency Emergency Improvements	W25-106	SX21089143	300,000	0.86	0.86	0.90	0.94	57	47,139	78%	187
City of Albany	Albany WTP A & B Repairs and Rehab	W25-011	WX21053036	1,410,776	2.20	2.20	2.32	2.46	56	43,555	72%	9,042
Providence Water Works	Providence Tank Dedicated Line	W25-048	WX21233095	2,990,000	0.01	0.13	0.15	0.18	56	50,101	83%	3,353
City of Jackson	Lake Point Sewer Extension	W25-095	SX21025015	1,580,000	1.05	1.05	1.11	1.17	55	33,238	55%	2,966
City of Catlettsburg	Catlettsburg: WWTP Improvements - Design and Bidding, Monitoring	W25-075	SX21019097	1,250,000	0.26	0.26	0.29	0.33	55	39,971	66%	2,329
Perry County Sanitation District	Perry County Sanitation District Debt Relief Project	W25-018	NA	1,280,540	0.21	0.21	0.29	0.45	55	42,583	71%	1,527
Sandy Hook	Sandy Hook Sewer System I & I Remediation	W25-016	SX21063010	916,000	0.54	0.54	1.08	NA	54	21,846	36%	728
Southern Water and Sewer District	Financial Assistance	W25-070	NA	4,584,241	1.30	1.30	1.30	1.30	53	38,782	64%	16,773
Southern Water and Sewer District	Water Main Replacement (Sidelines) Project	W25-070	WX21071013	3,234,390	0.37	1.18	1.26	1.34	53	38,782	64%	16,773
Southern Water and Sewer District	Brush Creek Tank Replacement	W25-070	WX21071021	843,500	0.80	1.29	1.32	1.34	53	38,782	64%	16,773
Letcher County Water and Sewer District	HWY 510 / Gordon Water Line Extensions	W25-132	WX21133016	4,353,000	0.44	0.44	0.64	1.14	53	39,852	66%	9,713
Cave Run Water Commission	Regional Water Treatment Plant Rehab and Expansion	W25-099	WX21165034	1,000,000	0.83	0.83	0.89	0.96	53	46,939	78%	9,067
City of Smithland	Smithland Wastewater Treatment Plant Project	W25-052	SX21139023	5,600,000	-0.11	-0.14	-0.27	-6.89	52	63,829	106%	280
City of Frenchburg	Mountain Ridge Road & Ridge Runner Water Main Extension	W25-100	WX21165017	452,400	1.55	1.55	1.66	1.78	51	43,567	72%	5,230
McKinney Water District	McKinney Water Project Phase 3	W25-002	WX21137065	1,207,048	0.85	0.89	1.10	1.43	50	49,284	82%	4,075
City of Paris	Valve Replacement Program & 8th St Water Line Replacement	W25-064	WX21017014	1,375,000	0.90	4.80	5.20	5.80	50	50,231	84%	12,483
City of Fleming-Neon	Waterline Improvement Project Phase 3	W25-134	WX21133038	3,592,000	0.23	0.23	0.26	0.29	50	53,510	89%	2,774
CAWOOD WATER DISTRICT	CWD WATER TREATMENT PLANT REFURBISHING	W25-152	WX21095025	1,823,000	1.20	1.20	1.35	1.54	49	31,825	53%	4,133
City of Jackson	Jackson New Wastewater Treatment Plant Project	W25-092	SX21025017	10,900,000	0.48	0.48	0.61	0.85	49	33,238	55%	2,966
City of Fulton	Fulton Lead Water Service Line and Meter Replacement Project - Phase I	W25-121	WX21075019	3,469,682	1.02	1.02	1.16	1.33	49	35,446	59%	3,073
City of Fulton	Fulton Lead Water Service Line and Meter Replacement Project -Phase 2	W25-122	WX21075021	2,751,038	1.08	1.08	1.19	1.33	49	35,446	59%	3,073

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
Martin County Water District	Water System Controls and Raw Water Modifications Phase III	W25-078	WX21159017	2,563,852	0.48	0.48	0.55	0.64	49	38,804	64%	1,208
Martin County Water District	Coldwater-Water Improvement Project	W25-079	WX21159023	3,410,000	0.44	0.44	0.52	0.64	49	38,804	64%	1,208
Martin County Water District	Old Route 3- Water Improvement Project	W25-080	WX21159024	5,066,000	0.39	0.39	0.48	0.64	49	38,804	64%	1,208
Martin County Water District	Inez Waterline Replacement	W25-077	WX21159027	5,000,000	0.39	0.39	0.48	0.64	49	38,804	64%	1,208
Troublesome Creek Environmental Authority	HWY 80 Sewer Collection Project Phase III	W25-090	SX21193020	500,000	-1.00	-1.00	-1.00	-1.10	47	37,444	62%	678
City of Benham	Benham Water System Improvements	W25-133	WX21095018	1,250,000	2.99	2.99	4.05	6.28	47	47,186	78%	701
Salyersville Water Works	Salyersville Water Works - Meters Replacement	W25-040	WX21153040	1,922,257	1.23	1.23	1.37	1.55	46	30,024	49.9%	1,984
City of Olive Hill	Olive Hill General Wastewater Improvements and Flood Control	W25-066	SX21043047	550,000	0.00	0.00	0.00	0.00	46	54,891	91%	1,775
City of Manchester	Horse Creek Asbestos Water Line Replacement	W25-063	WX21051002	1,654,000	2.99	2.99	3.18	3.41	45	35,537	59%	11,806
City of Stanford*	Water Supply Improvements	W25-118	WX21137066	15,847,080	0.31	0.34	0.50	0.95	44	53,123	88%	7,753
Magoffin County Water District	Connection to 24" Transmission Main at US 460	W25-065	WX21115031	4,726,000	1.24	1.24	1.74	2.92	43	33,630	56%	4,361
Hyden-Leslie County Water District	City Tank Replacement	W25-131	WX21131004	3,000,000	1.46	1.46	1.67	1.95	43	38,431	64%	9,677
City of Jamestown	Water Treatment Plant Chemical Feed Improvements	W25-012	WX21207040	1,519,000	0.49	0.49	0.51	0.54	43	39,157	65%	7,256
Breathitt County Water District	Hunting Creek Waterline Project	W25-127	WX21025041	4,000,000	-1.05	-1.05	-1.43	-2.26	43	39,224	65%	7,256
City of Monticello	Sanitary Sewer Improvements - Phase 1 and Carter Road	W25-138	SX21231017	8,772,000	1.09	1.09	1.23	1.42	43	42,840	71%	2,741
Montgomery County Water District #1	Montgomery County Water District #1 Contcrete Asbestos Pipe Replacement	W25-104	WX21173109	400,000	0.05	0.05	0.08	0.33	43	45,505	76%	1,662
City of Louisa	Louisa System Consolidation	W25-074	SX21127034	1,418,550	0.81	0.81	0.83	0.85	42	49,355	82%	3,789
City of Greenup	New Water Intake Structure	W25-062	WX21089013	16,000,000	0.71	0.77	1.19	2.62	42	53,675	89%	9,719
Peaks Mill Water District (PMWD)	PMWD - Automated Meter Reading	W25-091	WX21073036	745,000	-0.01	-0.01	-0.02	-0.02	42	85,744	142%	2,846
Irvine Municipal Utilities	City of Irvine Sanitary Sewer Improvements	W25-069	SX21065009	3,053,000	0.81	0.81	0.90	1.02	41	34,546	57%	4,527
City of Elkton	Elkton-HWY 181 North Sewer Main Extension	W25-043	SX21219012	750,000	1.47	1.47	1.56	1.66	41	40,237	67%	2,096
CUMBERLAND FALLS HIGHWAY WATER DISTRICT	CFHWD ASBESTOS-CEMENT TRANSITE WATER MAIN REPLACEMENT	W25-150	APPLIED FOR	1,689,700	2.00	2.00	2.23	2.51	41	41,226	69%	9,409
City of Beattyville	Beattyville Sewer Replacement Project Phase 2	W25-139	SX21129011	2,000,000	1.31	1.31	1.42	1.55	40	28,255	47%	3,138

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
SOUTH HOPKINS WATER DISTRICT	SHWD Water System Improvements and New Administration Office	W25-026	WX21107077	29,020,300	0.17	0.18	0.34	2.42	40	85,744	142%	2,846
Reid Village Water District	Radio Read Meter Replacement Project Phase II	W25-112	WX21173191	350,000	0.71	0.72	0.78	0.86	38	58,863	98%	2,612
City of Science Hill	Science Hill Wastewater Treatment Plant Upgrades	W25-120	SX21199013	2,599,906	7.24	7.24	14.48	NA	37	38,739	64%	1,159
Hopkinsville Water Environment Authority	Phase IV - US-41A WME, EST & EST Rehab	W25-084	WX21047013	14,500,000	1.25	1.25	1.29	1.34	37	44,268	74%	34,959
Hopkinsville Water Environment Authority	Commerce Park II - SLE, SPS, & FM	W25-083	SX21047037	31,500,000	1.15	1.15	1.24	1.34	37	44,268	74%	34,959
Hopkinsville Water Environment Authority	Commerce Park II - WME & EST	W25-082	WX21047044	21,000,000	1.21	1.21	1.27	1.34	37	44,268	74%	34,959
Hopkinsville Water Environment Authority	Phase VI - 36" Water Main Extension	W25-081	WX21047043	19,000,000	1.22	1.22	1.28	1.34	37	44,268	74%	34,959
City of Hustonville	Hustonville Water Improvements Phase 2B	W25-199	WX21137061	3,447,950	-0.20	-0.22	-0.35	-0.83	36	49,769	83%	4,068
Green-Taylor Water District	2024 Extensions & Improvements	W25-119	WX21087031	2,090,000	1.38	1.40	1.52	1.66	36	50,902	85%	11,334
City of Jeffersonville	City of Jeffersonville System Wide Telemetry Installation	W25-102	WX21173189	416,060	1.55	1.58	1.71	1.88	36	51,386	85%	4,883
Big Sandy Water District	Old U.S. 23 Water Transmission Line Replacement	W25-144	WX21019076	1,440,000	2.26	2.29	2.43	2.58	36	58,448	97%	13,499
Nicholas County Water District^	Nicholas County WD Debt Management	W25-116	N/A	1,444,823	1.08	1.10	1.23	1.40	36	56,243	94%	3,635
Western Lewis-Rectorville Water & Gas District	Office Tank	W25-003	WX21161022	2,148,850	0.81	0.81	0.93	1.09	35	43,251	72%	4,626
Muhlenberg County Water District #3	MCWD #3 Water System Equipment Purchase Project	W25-025	WX21177057	200,000	11.67	11.67	23.34	77819.00	35	45,436	76%	4,905
WESTERN ROCKCASTLE WATER ASSOCIATION	CONTRACT 14 - WATER SYSTEM IMPROVEMENTS	W25-008	WX21203009	3,646,000	0.47	0.47	0.58	0.77	35	46,884	78%	10,086
City of Mount Sterling	MSWS Greenbriar Dam Rehabilitation Phase II	W25-107	WX21173194	6,600,000	2.72	2.81	3.27	3.90	34	48,970	81%	13,152
Louisville Jefferson County Metropolitan Sewer District	Pioneer Village Expansion	W25-142	SX21029047	31,900,000	1.60	1.60	1.60	1.60	34	68,378	114%	783,255
Dawson Springs Water & Sewer System	Dawson Springs - Tank Rehabilitation and Line Replacements	W25-037	WX21107078	3,497,000	0.07	0.07	0.08	0.10	33	34,748	58%	1,141
City of Lebanon/Lebanon Water Works Co Inc	Water Meter and Service Line Replacement	W25-088	WX21155063	10,000,000	1.24	1.24	1.49	1.88	33	37,843	63%	6,412
City of Hawesville	Regionalization Water System Improvements-Phase 1	W25-089	WX21091106	2,072,860	NA	NA	NA	NA	32	59,824	99%	2,949

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
Knott County Water and Sewer District	Caney Wastewater Treatment Plant (WWTP)	W25-136	SX21119019	1,602,050	1.60	1.60	1.66	1.73	31	34,155	57%	459
City of Morehead	Morehead Utility Plant Board US 60 Sewer Line Rehab	W25-105	SX21205041	5,285,290	1.92	1.92	2.03	2.15	31	45,746	76%	16,051
South Eastern Water Association	Sandy Gap Area Improvements - Phase 3	W25-054	WX21199151	1,905,000	2.29	2.31	2.41	2.51	30	48,564	81%	15,217
South Eastern Water Association	2023 Various Waterline Extensions	W25-054	WX21199153	848,000	2.41	2.42	2.46	2.51	30	48,564	81%	15,217
South Eastern Water Association	Nelson Valley Area System Improvements	W25-054	WX21199158	249,000	2.48	2.48	2.50	2.51	30	48,564	81%	15,217
South Eastern Water Association	Tateville Area System Improvements	W25-054	WX21199159	205,000	2.49	2.49	2.50	2.51	30	48,564	81%	15,217
South Eastern Water Association	Dry Branch Road Waterline Replacement	W25-054	WX21199160	343,000	2.47	2.47	2.49	2.51	30	48,564	81%	15,217
South Eastern Water Association	Elihu Rush Area System Improvements	W25-054	WX21199161	640,400	2.43	2.44	2.47	2.51	30	48,564	81%	15,217
South Eastern Water Association	KY 39 Waterline Replacement	W25-054	WX21199162	2,162,000	2.26	2.28	2.39	2.51	30	48,564	81%	15,217
South Eastern Water Association	Malvin Hill Church Road Waterline Extension	W25-054	WX21199163	209,000	2.48	2.49	2.50	2.51	30	48,564	81%	15,217
Sharpsburg Water District	Reynoldsville Tank and Whetstone Tank Rehab Project	W25-147	WX21011042	1,407,000	1.13	1.18	1.44	1.83	30	49,320	82%	3,538
City of Carlisle	Phase 2 - Drinking Water System Improvements	W25-101	WX21181006	1,906,653	0.82	0.86	1.09	1.47	30	53,922	90%	2,063
Ohio County Water District	IPE- North Water Main Project	W25-032	WX21183052	6,196,000	1.21	1.23	1.35	1.49	30	55,041	91%	14,967
Grant County Sanitary Sewer District	Wastewater Treatment Plant Upgrade	W25-044	SX21081003	6,645,000	0.77	0.83	1.27	2.72	30	55,807	93%	5,455
Ledbetter Water District	Ledbetter Debt Reduction	W25-058	N/A	1,100,000	0.82	0.86	0.95	1.06	30	68,430	114%	2,631
Ledbetter Water and Sewer District	Ledbetter WTP Expansion and New Well Source Project	W25-060	WX21139035	2,337,860	0.65	0.71	0.85	1.06	30	68,430	114%	2,631
City of Morganfield	WTP Chemical Storage and Feed System	W25-039	WX21225065	485,000	0.68	1.57	1.60	1.64	28	58,047	96%	4,701
Owensboro Municipal Utilities	Water AMI Project	W25-031	WX21059112	5,000,000	0.80	1.50	1.50	1.50	26	52,897	88%	60,473
WESTERN PULASKI COUNTY WATER DISTRICT	FAUBUSH/NANCY AREA WATER TRANSMISSION MAIN - PHASE 2	W25-007	WX21199156	7,195,000	1.07	1.10	1.23	1.40	26	55,246	92%	17,482
Farmdale Sanitation District	Farmdale SD Interceptor Sewer System Phase 1	W25-024	SX21073087	8,000,000	0.21	0.24	0.46	7.32	26	71,537	119%	4,184
City of Owingsville	WWTP Disinfection Upgrade and Sewer Line Replacement Project	W25-103	SX21011002	200,000	1.08	1.08	1.11	1.13	25	41,732	69%	2,101
City of Maysville	Mayslick Water Service Upgrade Project	W25-015	WX21161054	4,323,010	0.21	0.88	0.95	1.03	25	44,262	74%	11,097
City of West Liberty	West Liberty Raw Water Intake Pump Replacement Project	W25-111	WX21175064	700,000	0.52	0.52	0.53	0.55	25	48,044	80%	3,343
HENDERSON COUNTY WATER DISTRICT	HCWD Water Loss Project	W25-038	WX21101141	1,125,000	0.74	0.76	0.78	0.81	22	67,407	112%	15,526
Edmonson County Water District	Edmonson County Water District Tank Rehab	W25-097	WX21061037	860,000	1.35	1.35	1.37	1.40	20	50,748	84%	17,848

Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
Edmonson County Water District	Edmonson County Water Zone Metering	W25-096	WX21061038	981,154	1.34	1.34	1.37	1.40	20	50,748	84%	17,848
London Utility Commission	Laurel River Lake Raw Water Intake Improvements	W25-017	WX21125044	2,550,000	2.97	3.00	3.16	3.34	20	51,865	86%	8,855
Bath County Water District	Bath County Water District Naylor Creek and Generators Project	W25-098	WX21011016	333,500	2.60	2.65	2.85	3.09	20	51,926	86%	10,832
Paducah McCracken County Joint Sewer Agency	Woodlawn WWTP Expansion	W25-020	sx21145036	7,060,000	0.70	2.27	2.37	2.49	20	52,586	87%	4,262
City of Campbellsville	Campbellsville Wastewater Treatment Plant Improvements	W25-034	SX21217018	6,313,000	1.93	1.97	2.11	2.28	20	54,793	91%	12,175
Parksville Water District*	PWD KY WWATERS 2024 System Upgrade	W25-108	WX21021041	972,000	0.72	0.74	0.84	0.97	20	58,648	98%	3,818
Regional Water Resource Agency	Locust Force Main Replacement/Rehabilitation	W25-049	SX21059074	12,424,000	1.42	1.42	1.46	1.49	20	64,238	107%	36,590
Glasgow Water Company	Lucas Water Treatment Plant Expansion	W25-022	WX21009047	52,700,000	0.68	0.73	1.00	1.62	18	50,969	85%	38,860
Springfield Water and Sewer Commission	Industry Park Water Line Improvements and Elevated Tower	W25-087	WX21229029	4,876,500	1.01	1.05	1.13	1.23	16	63,910	106%	10,757
Springfield Water and Sewer Commission	SWSC AMR and Smart Meter Water Meter Replacement	W25-086	WX21229030	2,174,000	1.12	1.14	1.18	1.23	16	63,910	106%	10,757
Greenville Utilities Commission	Greenville WWTP Improvements Project	W25-051	SX21177035	12,673,000	0.90	1.01	1.26	1.68	16	67,822	113%	5,352
Sanitation District #1 of Northern Kentucky	KY17 Corridor Tunnel (North of Lakeview)	W25-045	SX21117020	18,593,463	2.70	2.72	2.74	2.77	16	76,904	128%	224,757
City of Frankfort	Frankfort Sewer - Willow Pump Station Force Main Redirection	W25-149	SX21073089	3,884,100	1.39	1.40	1.42	1.44	10	60,521	101%	36,149
City of Frankfort	Frankfort Emerging Contaminant Study	W25-047	N/A	500,000	1.44	1.44	1.44	1.44	10	60,521	101%	36,149
City of Frankfort	Frankfort Sewer - Lower PC3	W25-141	SX21073091	12,898,500	1.27	1.31	1.37	1.44	10	60,521	101%	36,149
City of Frankfort	Frankfort Sewer - Signal Ridge Tunnel	W25-177	SX21073095	6,210,000	1.36	1.38	1.41	1.44	10	60,521	101%	36,149
Nebo Water District	KY 630 Waterline Upgrade	W25-036	WX21107079	1,933,000	0.61	0.73	1.10	2.21	10	73,336	122%	3,785
City of Taylorsville	Taylorsville Asbestos Cement & Cast Iron Waterline Replacement	W25-145	WX21215072	1,450,000	1.95	2.00	2.09	2.19	10	97,855	163%	20,829
Northern Madison County Sanitation District	NMCSD - Madison Village Collection System Rehab	W25-148	SX21151039	5,431,500	0.90	0.96	1.08	1.24	10	129,116	215%	3,200

* Project eligibility and/or score has been amended since November 7, 2024, KIA board meeting. Amended evaluation and score will be presented for approval at the board's December 2024 meeting.

^ Project was inadvertently omitted from the presentation made at the November 2024 KIA board meeting. The project has been evaluated and will be presented at the board's December 2024 meeting.

Attachment B Kentucky Water and Wastewater Assistance for Troubled or Economically Restrained Systems (KY WWATERS) NO Corrective Action Plan Submitted - Scoring and Financing Recommendations												
Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	MHI	% of State MHI	Population
					P & I	P	50% P	Grant				
City of Campton	2023 WTP Improvement Project	W25-072	WX21237018	199,304	-0.28	-0.28	-0.28	-0.29	64	28,277	47%	5,910
City of Campton	City of Campton Waterline Replacement - Phase 1	W25-071	WX21237021	3,602,000	-0.18	-0.18	-0.22	-0.29	64	28,277	47%	5,910
Powell's Valley Water District	Ballard Branch Pump Station	W25-137	WX21197019	329,042	1.30	1.31	1.36	1.40	38	49,298	82%	5,787
Powell's Valley Water District	2020 Water Improvements and Enhancement Project	W25-135	WX21197021	1,295,610	1.07	1.10	1.23	1.40	38	49,298	82%	5,787
Lincoln County Sanitation District	Lincoln Co. Sanitation District Phase 3 US 127 Corridor Construction	W25-004	SX21137024	7,417,402	0.45	0.48	0.67	1.12	36	48,826	81%	1,604
The City of Russell	City of Russell New Treatment Plant	W25-059	WX21089135	33,200,000	0.05	0.06	0.09	0.16	34	82,531	137%	2,286
Pikeville City	Pikeville Water Treatment Plant Upgrades	W25-029	WX21195070	8,789,000	1.00	1.00	1.31	1.89	31	41,896	70%	10,600
Pikeville City	Pikeville WWTP Corrosion Rehabilitation & Oder Control	W25-030	SX21195042	1,561,600	1.60	1.60	1.80	1.90	31	41,896	70%	10,600

Attachment C													
Kentucky Water and Wastewater Assistance for Troubled or Economically Restrained Systems (KY WWATERS)													
Insufficient Information Submitted - No Score or Financing Recommendation													
Applicant	Project Name	Financing Number	WRIS Number	Amount Requested	Financing Recommendation Debt Service Ratio				Weighted Score	Single Score	MHI	% of State MHI	Population
					P & I	P	50% P	Grant					
Lancaster		W25-042	N/A	770,000									
New Haven		W25-053	N/A	N/A									
Clark County Sanitation District		W25-001	N/A	3,065,462									
Wolfe County Sanitation District	Hazel Green Wastewater Collection System PH 2	W25-125	SX21237006	4,077,000									
City of Hazard^	Hazard Emergency Tank Replacement Phase 2	W25-115	WX21193049	5,650,000									
^ Project was inadvertently omitted from the presentation made at the November 2024 KIA board meeting. The project will be presented at the board's December 2024 meeting.													

Attachment D

**Kentucky Infrastructure Authority
Kentucky WWATERS
Executive Summaries and Score Sheets
Approved by the KIA Board
November 7, 2024**

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris October 7, 2024 W25-073	
BORROWER		CITY OF MARTIN WATER WORKS FLOYD COUNTY		
BRIEF DESCRIPTION Non- Capital Project - Debt Service The City of Martin and Martin Water Works are seeking debt service forgiveness to alleviate financial pressures and enhance operational flexibility. Assistance with debt repayment will empower the city to allocate resources more effectively, ensuring consistent service delivery and timely maintenance of critical infrastructure. By reducing the burden of debt, Martin can focus on making essential repairs and improvements to the water system, ultimately providing safer and more reliable services to residents. This financial relief is crucial for sustaining the community's growth and addressing immediate infrastructure needs.				
PROJECT FINANCING Fund KYWWATERS Loan		\$300,000	PROJECT BUDGET Administrative Expenses Other	\$0 300,000
TOTAL		\$300,000	TOTAL	\$300,000
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 1, 2025 October 1, 2025 October 1, 2026		
DEBT PER CUSTOMER	Existing	\$488		
RESIDENTIAL RATES				
	Current	Users 465	Avg. Bill \$0.00	(for 4,000 gallons)
	Additional	0	\$0.00	(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 2021	(75,841)	34,963	(110,804)	-2.2
Audited 2022	133,436	34,674	98,762	3.8
Audited 2023	(58,492)	34,960	(93,452)	-1.7

Scoring			Rubrick	Metrics		
CITY OF MARTIN WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$27,397	State MHI \$60,183	Percentage 45.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.17	2022 DCR 3.85	2023 DCR -1.67
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.36	2022 APT 3.92	2023 APT 4.19
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 72.90	2022 ARD 57.15	2023 ARD 83.18
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		82				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-073 SX21071018
BORROWER		CITY OF MARTIN WATER WORKS FLOYD COUNTY	
BRIEF DESCRIPTION Capital Infrastructure Project for WWATERS consideration is a WWTP rehab: Wastewater Plant Rehabilitation SX21071018 WWTP is failing and has NOV. This project is partially funded. Remove accumulated "Solids" from the inner and outer ditch of the Martin plant. install a mechanically cleaner screen to minimize the recurrence of this problem. Will purchase one new pump. The operator is hosing active treatment volume to accumulating solids operator experiencing difficulty in meeting efficient limitations			
PROJECT FINANCING Fund KYWWATERS Loan \$205,000		PROJECT BUDGET Administrative Expenses \$4,387 Eng - Design / Const 22,195 Construction 159,500 Contingency 15,950	
TOTAL \$205,000		TOTAL \$202,032	
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Summit Engineering	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 1, 2025 October 1, 2025 October 1, 2026	
DEBT PER CUSTOMER	Existing	\$488	
RESIDENTIAL RATES			
	Current	Users 465	Avg. Bill \$47.52 (for 4,000 gallons)
	Additional	0	\$47.52 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	(75,841)	34,963	(110,804) -2.2
Audited 2022	133,436	34,674	98,762 3.8
Audited 2023	(58,492)	34,960	(93,452) -1.7

Scoring			Rubrick	Metrics		
CITY OF MARTIN WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$27,397	State MHI \$60,183	Percentage 45.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.17	2022 DCR 3.85	2023 DCR -1.67
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.36	2022 APT 3.92	2023 APT 4.19
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 72.90	2022 ARD 57.15	2023 ARD 83.18
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		82				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	October 7, 2027	
KY WWATERS FUND		KIA Loan Number	W25-073	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21071011	
BORROWER		CITY OF MARTIN WATER WORKS FLOYD COUNTY		
BRIEF DESCRIPTION				
Water Loss Reduction Project - WX21071011				
The project includes the following components:				
(1) acquire and install new automatic radio read meters and ready equipment				
(2) acquire and install new billing server and work station				
(3) acquire and install new billing software				
(4) acquire and install 16 new 6-inch gate valves				
(5) acquire and install 6 new flushing hydrants				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$622,800	Administrative Expenses	\$25,400	
		Eng - Design / Const	52,000	
		Eng - Insp	37,200	
		Construction	462,000	
		Contingency	46,200	
TOTAL	\$622,800	TOTAL	\$622,800	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	465	\$47.52 (for 4,000 gallons)	
	Additional	0	\$47.52 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(75,841)	34,963	(110,804)	-2.2
Audited 2022	133,436	34,674	98,762	3.8
Audited 2023	(58,492)	34,960	(93,452)	-1.7

Scoring			Rubrick	Metrics		
CITY OF MARTIN WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$27,397	State MHI \$60,183	Percentage 45.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.17	2022 DCR 3.85	2023 DCR -1.67
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.36	2022 APT 3.92	2023 APT 4.19
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 72.90	2022 ARD 57.15	2023 ARD 83.18
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		82				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-021 WX21195009	
BORROWER		CITY OF ELKHORN CITY PIKE COUNTY		
BRIEF DESCRIPTION				
1) WX21195009 Elkhorn City Water Loss Reduction Project - \$1,283,838 Project consists of the purchase and installation of approximately 600 radio read meters within the City of Elkhorn City service area. The proposed project also includes the installation of the necessary hardware and software to properly operate the new meter reading system. This project will provide and enable the City of Elkhorn City the ability to more efficiently receive monthly water usage totals. The project also improves the City's billing system to near real-time consumption. The new radio reading meter system will eliminate the expense of periodic trips to each physical location to read a meter. Project will install approximately 1420 LF 2", approximately 2088 LF 4", and approximately 5850 LF 6" water line. This project will provide and enable the City of Elkhorn City the ability to more efficiently receive monthly water usage totals. The project also improves the City's billing system to near real-time consumption. The new radio reading meter system will eliminate the expense of periodic trips to each physical location to read a meter. New water line will help eliminate leaks.				
2)Non-capital: debt service - \$1,296,212.47 Elkhorn City and Elkhorn City Water Works are requesting debt service forgiveness to help ease the repayment burden of loans from the Kentucky Infrastructure Authority (KIA) and USDA. This financial assistance will allow the city to redirect resources toward enhancing service delivery and addressing pressing infrastructure needs. By alleviating debt-related pressures, Elkhorn City can focus on essential repairs and upgrades to the water system, ensuring reliable and safe water access for all residents. This support is crucial for bolstering community resilience and promoting long-term growth.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,580,050	Administrative Expenses	\$53,800	
		Eng - Design / Const	94,200	
		Eng - Insp	59,400	
		Construction	978,580	
		Contingency	97,858	
		Pay Off Existing Debt	1,296,212	
TOTAL	\$2,580,050	TOTAL	\$2,580,050	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Summit Engineering		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	July 15, 2025		
	Construction Stop	7/1//2026		
DEBT PER CUSTOMER	Existing	\$2,298		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	564	\$48.52 (for 4,000 gallons)	
	Additional	0	\$48.52 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	0	0	0	n/a
Audited 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a

Scoring			Rubrick	Metrics		
CITY OF ELKHORN CITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,160	State MHI \$60,183	Percentage 73.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR #DIV/0!	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT #DIV/0!	2022 APT #DIV/0!	2023 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD #VALUE!	2022 ARD #VALUE!	2023 ARD #VALUE!
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points			50% or More
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		82				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-113 WX21203011	
BORROWER		CITY OF BRODHEAD 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		
Fund KYWWATERS Loan	\$369,955	Administrative Expenses	\$4,300	
		Eng - Design / Const	27,775	
		Eng - Other	2,000	
		Construction	304,880	
		Contingency	31,000	
TOTAL	\$369,955	TOTAL	\$369,955	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	September 1, 2024 October 1, 2024 November 1, 2024		
DEBT PER CUSTOMER	Existing	\$770		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	574	\$8.98 (for 4,000 gallons)	
	Additional	0	\$8.98 (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
Int. P & L 2022	2,577	33,394	(30,816)	0.1
Int. P & L 2023	(6,011)	33,394	(39,405)	-0.2
Int. P & L 2024	(69,773)	33,394	(103,167)	-2.1

Scoring			Rubrick	Metrics		
CITY OF BRODHEAD						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,052	State MHI \$60,183	Percentage 54.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR 0.08	2023 DCR -0.18	2024 DCR -2.09
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2022 APT #DIV/0!	2023 APT #DIV/0!	2024 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 0.00	2023 ARD 0.00	2024 ARD 0.00
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		81				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-146 SX21223020
BORROWER		TRIMBLE COUNTY FISCAL COURT TRIMBLE COUNTY	
BRIEF DESCRIPTION			
This project will construction a septage receiving station at the Bedford Wastewater Treatment Plant (WWTP). The station is anticipated to include:			
1. Septage receiving equipment (grinder system), 2. Building to house equipment and controls, 3. Headworks upgrades including new influent screen, 4. Yard piping improvements, 5. Controls/monitoring/sampling equipment, and 6. Equalization/storage tank.			
Trimble County Fiscal Court is serving as the applicant on behalf of the City of Bedford/Bedford Wastewater via interlocal agreement. The Fiscal Court has ample capacity to manage the award and will work with all project stakeholders to ensure project objectives are met efficiently and effectively.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,320,000	Administrative Expenses	\$20,000
		Eng - Design / Const	140,000
		Eng - Insp	60,000
		Construction	1,000,000
		Contingency	100,000
TOTAL	\$1,320,000	TOTAL	\$1,320,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Strand Associates	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	October 31, 2025 January 1, 2026 December 31, 2026	
DEBT PER CUSTOMER	Existing	\$1,399	
RESIDENTIAL RATES	Current Additional	Users 297 0	Avg. Bill \$47.58 (for 4,000 gallons) \$47.58 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2020	30,599	31,100	(501) 1.0
Audited 2021	8,581	35,915	(27,334) 0.2
Audited 2022	(45,965)	91,599	(137,564) -0.5

Scoring			Rubrick	Metrics		
TRIMBLE COUNTY FISCAL COURT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,131	State MHI \$60,183	Percentage 78.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.98	2021 DCR 0.24	2022 DCR -0.50
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2020 APT 97.58	2021 APT 2.90	2022 APT 0.80
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 38.52	2021 ARD 38.65	2022 ARD 42.02
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		81				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-117 SX21203007
BORROWER	CITY OF BRODHEAD ROCKCASTLE COUNTY		
BRIEF DESCRIPTION			
The project includes purchasing eight (8) pumps to replace and/or backup old and worn out pumps though out the Brodhead sewer system. The project also includes replacing the effluent meter at the WWTP that is no longer functional.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$213,800	Administrative Expenses	\$1,300
		Eng - Design / Const	6,500
		Construction	6,000
		Equipment	200,000
TOTAL	\$213,800	TOTAL	\$213,800
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	GRW Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	April 1, 2025 May 1, 2025 June 1, 2025	
DEBT PER CUSTOMER	Existing	\$770	
OTHER DEBT		See Attached	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	574	\$8.98 (for 4,000 gallons)
	Additional	0	\$8.98 (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
Int. P & L 2022	2,577	33,394	(30,816) 0.1
Int. P & L 2023	(6,011)	33,394	(39,405) -0.2
Int. P & L 2024	(69,773)	33,394	(103,167) -2.1

Scoring			Rubrick	Metrics		
CITY OF BRODHEAD						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$29,023	State MHI \$60,183	Percentage 48.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR 0.08	2023 DCR -0.18	2024 DCR -2.09
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT #DIV/0!	2023 APT #DIV/0!	2024 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 0.00	2023 ARD 0.00	2024 ARD 0.00
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		78				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-033	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21225067	
BORROWER		CITY OF STURGIS UNION COUNTY		
BRIEF DESCRIPTION				
Construct 6,429 LF of 6-inch PVC to replace failing ductile iron pipe that was constructed in the 1930's. The sections to be replaced are broken down into the following:				
1. Thirteenth Street beginning at Main Street intersection and ending at Giles Street - 2,661 LF				
2. Along Main Street beginning at Fourteenth Street intersection and ending at Sixth Street - 2,973 LF				
3. Along First Street beginning at Main Street intersection and ending at Kelsey Street - 795 LF				
These line replacements will be constructed using 6-inch PVC Class 235 water main and will involve trenching, laying and native bedding material backfill of 42 inches. Also included will be 40 customer service main reconnections.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,804,530	Administrative Expenses	\$25,000	
		Planning	25,000	
		Eng - Design / Const	105,000	
		Eng - Insp	66,000	
		Construction	1,218,100	
		Contingency	365,430	
TOTAL	\$1,804,530	TOTAL	\$1,804,530	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,511		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	539	\$71.12 (for 4,000 gallons)	
	Additional	0	\$71.12 (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 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a
Int. P & L 2024	115,648	111,523	4,124	1.0

Scoring			Rubrick	Metrics		
CITY OF STURGIS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,273	State MHI \$60,183	Percentage 70.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR N/A	2023 DCR N/A	2024 DCR 1.04
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		75				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND			Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-050 WX21225068
BORROWER		CITY OF STURGIS UNION COUNTY		
BRIEF DESCRIPTION				
Rehabilitation of aging and debilitated water lines within the city				
1.Abandon existing CI 8” watermain under Hwy 109 to wet tap 8” watermain East of Waller Omer rd. to the West side and turn to bore 18’ HPDE casting under Hwy 109 to south Hwy 109 and wet tap 8” main on the south of 109 and continue to west side of Hwy 2918 for approx.. 400’ to serve 6 homes and install a flushing hydrant and valve.				
2.Replace 180 LF of waterline following an alley on the E side of Fourth St between Main St. and Monroe St.				
3.Replace 4” waterline from the 6” main to the River Oak Apartments				
4.Replace waterline from Main St. to Kelsey 1120 LF				
These issues have contributed greatly to the water loss percentage through the City of Sturgis.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$235,392	Eng - Design / Const	30,000	
		Eng - Insp	22,000	
		Construction	152,792	
		Contingency	30,600	
TOTAL	\$235,392	TOTAL	\$235,392	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2025 August 1, 2025 October 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,511		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	539	\$71.12 (for 4,000 gallons)	
	Additional	0	\$71.12 (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 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a
Int. P & L 2024	115,648	111,523	4,124	1.0

Scoring			Rubrick	Metrics		
CITY OF STURGIS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,273	State MHI \$60,183	Percentage 70.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR N/A	2023 DCR N/A	2024 DCR 1.04
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		75				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-093 WX21137067	
BORROWER		CITY OF CRAB ORCHARD LINCOLN COUNTY		
BRIEF DESCRIPTION				
The City completed nearly \$60,000 in repairs to their Elevated Water Tank in 2022. At that time, they addressed emergency repairs and critical safety upgrades. The second phase of rehabilitation will complete further repairs and safety upgrades, including foundation repairs, exterior cleaning, and coating.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$82,250	Construction	68,500	
		Contingency	13,750	
TOTAL	\$82,250	TOTAL	\$82,250	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 26, 2025 June 26, 2025 August 26, 2025		
DEBT PER CUSTOMER	Existing	\$516		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	580	\$41.00 (for 4,000 gallons)	
	Additional	0	\$41.00 (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 2021	30,575	54,795	(24,220)	0.6
Audited 2022	(43,042)	56,560	(99,602)	-0.8
Audited 2023	(31,680)	61,065	(92,745)	-0.5

Scoring			Rubrick	Metrics		
CITY OF CRAB ORCHARD						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$31,722	State MHI \$60,183	Percentage 52.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.56	2022 DCR -0.76	2023 DCR -0.52
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.88	2022 APT 6.34	2023 APT 9.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 31.89	2022 ARD 36.50	2023 ARD 30.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		73				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-153	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21095026	
BORROWER	BLACK MOUNTAIN UTILITY DISTRICT HARLAN COUNTY			
BRIEF DESCRIPTION				
The proposed project consists of two extensions (approximately 5,800 LF of 3" PVC line to serve six existing homes and a campground) to the District's distribution system; the replacement of approximately 15,000 LF of existing leak prone 4-inch water line on US 421 north of the community of Bledsoe; the installation of five hydro-pneumatic booster pump stations to serve existing customers that are at some of the higher elevations in the distribution system and often experience loss pressure; and new meters to plug into the District's change-out testing program.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,022,100	Administrative Expenses	\$45,000	
		Legal Expenses	10,000	
		Land, Easements	35,000	
		Eng - Design / Const	166,800	
		Eng - Insp	98,800	
		Eng - Other	30,000	
		Construction	2,205,700	
		Equipment	210,200	
		Contingency	220,600	
TOTAL	\$3,022,100	TOTAL	\$3,022,100	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening	September 15, 2025		
	Construction Start	November 15, 2025		
	Construction Stop	May 15, 2026		
DEBT PER CUSTOMER	Existing	\$351		
OTHER DEBT				
See Attached				
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,399	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (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 2021	107,415	135,059	(27,644)	0.8
Unaudited P & L 2022	(158,667)	133,724	(292,391)	-1.2
Unaudited P & L 2023	24,347	133,152	(108,805)	0.2

Scoring			Rubrick	Metrics		
BLACK MOUNTAIN UTILITY DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$36,136	State MHI \$60,183	Percentage 60.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.80	2022 DCR -1.19	2023 DCR 0.18
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.01	2022 APT 7.36	2023 APT 6.70
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.77	2022 ARD 22.89	2023 ARD 28.38
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		73				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-028 SX21039019	
BORROWER		CITY OF ARLINGTON CARLISLE COUNTY		
BRIEF DESCRIPTION				
Repair all points of failures along the sewer main found by the CCTV investigation including breaks, joint separations, settlement of pipe main, and impassible areas likely due to failures in the main.				
• Replace each sewer lateral tie-in to the main. If there is flow in the lateral at that time with no water being used then investigate the individual sewer lateral to find the source of I & I.				
• Raise each manhole rim currently below the 100-Year Floodplain Elevation to be at or above the 100-year flood elevation This would include manholes below and minimum height to raise or installed sealed lids:				
• A2 – 3.8', • A3 – 3.6', • A4 – 2.9', • A5 – 0.2', • B – 4.0',, B1 – 3.3', • B2 – 1.6', • B3 – 2.6'. A USDA Search grant assisted with the preliminary engineering and scoping of the lines for this project.				
PROJECT FINANCING		PROJECT BUDGET		
		Eng - Design / Const	67,115	
		Construction	635,600	
		Contingency	215,615	
TOTAL	\$934,330	TOTAL	\$934,330	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bacon Farmer Workman Engineering & Testing, Inc		
PROJECT SCHEDULE	Bid Opening	May 8, 2023		
	Construction Start	February 1, 2023		
	Construction Stop	August 28, 2025		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	38	\$39.05 (for 4,000 gallons)	
	Additional	0	\$39.05 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(42,952)	0	(42,952)	n/a
Audited 2022	(49,468)	0	(49,468)	n/a
Audited 2023	(65,462)	0	(65,462)	n/a

Scoring			Rubrick	Metrics		
CITY OF ARLINGTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,122	State MHI \$60,183	Percentage 63.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA, no debt	2022 DCR NA, no debt	2023 DCR NA, no debt
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT #DIV/0!	2022 APT 0.00	2023 APT 0.00
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 66.48	2022 ARD 41.07	2023 ARD 47.01
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		73				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-057 SX21133032
BORROWER		CITY OF JENKINS LETCHER COUNTY	
BRIEF DESCRIPTION			
This project will include 10,100 LF of 8" SDR35 PVC Gravity Sewer Pipe, 39 of the 4' Concrete manholes and 83 of the 20' lateral stubs. This project is to extend sewer service to the planned Grand View High Ground Subdivision located in Jenkins, KY. This subdivision in Phase I will include 115 .30 acre lots for survivors of the 2022 1,000 year flood event that ravaged eastern Kentucky. The flood damaged nearly 9,000 houses in the region and took the lives of 43 people. The region was already in a housing shortage crisis before the flood, now it has exacerbated the issue causing increased outmigration and an increased desperation among residents to the point some are living in RV's, storage sheds and with family as they just can't find housing or afford it. It is critical that the region develop adequate housing to not only house current residents, but to attract new residents and businesses to the region. Businesses will not locate to the area if the workforce is not readily available to fill positions. This project is a critical need for not only Letcher County, but the entire region.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$2,165,000	Administrative Expenses	\$50,000
		Legal Expenses	10,000
		Planning	5,000
		Eng - Design / Const	145,000
		Eng - Insp	88,000
		Eng - Other	15,000
		Construction	1,683,500
		Contingency	168,500
TOTAL	\$2,165,000	TOTAL	\$2,165,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 30, 2025 August 30, 2025 March 30, 2026	
DEBT PER CUSTOMER	Existing	\$16,694	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	677	\$40.59 (for 4,000 gallons)
	Additional	115	\$40.59 (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 2021	77,657	186,671	(109,014) 0.4
Audited 2022	131,308	147,596	(16,288) 0.9
Audited 2023	149,204	188,650	(39,446) 0.8

Scoring			Rubrick	Metrics		
CITY OF JENKINS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$26,500	State MHI \$60,183	Percentage 44.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.42	2022 DCR 0.89	2023 DCR 0.79
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.66	2022 APT 9.13	2023 APT 5.40
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 34.43	2022 ARD 32.78	2023 ARD 51.31
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		72				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-094	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21137025	
BORROWER		CITY OF CRAB ORCHARD LINCOLN COUNTY		
BRIEF DESCRIPTION				
This project will replace a failing generator and upgrade electrical service at the City's Main Lift Station, which will extend the service life of the pumps. Due to the limited electrical service and frequent brownouts, the existing generator is burning out and the station is unable to run both pumps during high rainfall events, leading to overflows. This project will allow the City to extend the service life of the station and the existing pumps.				
In addition, this project will address the root cause of overflows in I&I. KY Rural Water is completing a CCTV investigation of the gravity sewer system. Approximately 2,000 feet of sewers and nearly 180 manholes require lining and resurfacing to address the most problem areas.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,670,640	Eng - Design / Const	102,500	
		Eng - Insp	70,900	
		Eng - Other	11,400	
		Construction	1,350,840	
		Contingency	135,000	
TOTAL	\$1,670,640	TOTAL	\$1,670,640	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates, Inc.		
PROJECT SCHEDULE	Bid Opening	October 20, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,110		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	345	\$41.00 (for 4,000 gallons)	
	Additional	0	\$41.00 (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	30,575	54,795	(24,220)	0.6
Audited 2020	(43,042)	56,560	(99,602)	-0.8
Audited 2021	(31,680)	61,065	(92,745)	-0.5

Scoring			Rubrick	Metrics		
CITY OF CRAB ORCHARD						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,331	State MHI \$60,183	Percentage 47.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.56	2020 DCR -0.76	2021 DCR -0.52
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 3.88	2020 APT 6.34	2021 APT 9.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 31.89	2020 ARD 36.50	2021 ARD 30.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		72				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-009 SX21203008	
BORROWER		CITY OF MOUNT VERNON ROCKCASTLE COUNTY		
BRIEF DESCRIPTION				
An existing dry pit sewage lift station with a capacity of 250 GPM is located behind the Mount Vernon Church of God on Hunter Street. This lift station experiences frequent maintenance issues and outages due to its age and deteriorated condition. Because this station is a dry pit system and is in poor condition, maintenance of the system involves risk to worker safety.				
This project intends to replace the existing lift station with a new lift station of equal capacity. In this alternative, an existing manhole will be replaced with a new wet well outfitted with submersible pumps. The controls for this new station will be accessible above ground, and the existing dry pit station will be decommissioned and safely abandoned.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$928,575	Administrative Expenses	\$10,000	
		Legal Expenses	20,000	
		Land, Easements	150,000	
		Planning	35,715	
		Eng - Design / Const	55,715	
		Eng - Insp	42,860	
		Eng - Other	14,285	
		Construction	500,000	
		Contingency	100,000	
TOTAL	\$928,575	TOTAL	\$928,575	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	February 14, 2025 February 28, 2025 June 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,713		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,076	\$24.65 (for 4,000 gallons)	
	Additional	0	\$24.65 (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 2021	120,292	428,377	(308,085)	0.3
Audited 2022	279,670	434,265	(154,595)	0.6
Audited 2023	312,721	403,649	(90,928)	0.8

Scoring			Rubrick	Metrics		
CITY OF MOUNT VERNON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,143	State MHI \$60,183	Percentage 58.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.28	2022 DCR 0.64	2023 DCR 0.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.43	2022 APT 13.76	2023 APT 19.03
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 39.33	2022 ARD 47.17	2023 ARD 50.04
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		71				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-010 SX21203191	
BORROWER		CITY OF MOUNT VERNON ROCKCASTLE COUNTY		
BRIEF DESCRIPTION The Mount Vernon WWTP has exceeded th design life and equipment is failing and unable to treat the raw wastewater reliably. In addition, there is no land available at the existing site to construct a new treatment facility. Significant industrial growth is expected with the new Mega Site development. 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 \$12.6 million in construction cost.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,600,000	Administrative Expenses Construction	\$0 12,600,000	
TOTAL	\$12,600,000	TOTAL	\$12,600,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	April 30, 2025 May 31, 2025 October 31, 2026		
DEBT PER CUSTOMER	Existing	\$1,422		
RESIDENTIAL RATES				
	Current Additional	Users 2,809 0	Avg. Bill \$24.65 (for 4,000 gallons) \$24.65 (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 2021	120,292	428,377	(308,085)	0.3
Audited 2022	279,670	434,265	(154,595)	0.6
Audited 2023	312,721	403,649	(90,928)	0.8

Scoring			Rubrick	Metrics		
CITY OF MOUNT VERNON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,143	State MHI \$60,183	Percentage 58.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.28	2022 DCR 0.64	2023 DCR 0.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.43	2022 APT 13.76	2023 APT 19.03
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 39.33	2022 ARD 47.17	2023 ARD 50.04
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		71				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-110 WX21175063
BORROWER		MORGAN COUNTY WATER DISTRICT MORGAN COUNTY	
BRIEF DESCRIPTION Morgan County Water District (MCWD) is currently facing severe financial and managerial challenges, with a newly formed board struggling to maintain operations due to insufficient funds for monthly bills and operational costs. The district is applying for \$500,000 in WWATERS funding to help bolster its financial capacity and sustain its water system. The MCWD owes the Cave Run Water Commission over \$200,000 for wholesale water purchases, with unpaid bills accumulating since October 2023. Additionally, the district has approximately \$85,000 in outstanding bills for other expenses. Compounding the financial strain, there is a balloon loan payment of \$150,000 due in May 2025. Morgan County is also bracing for further expenses related to legal and accounting services. The combination of these financial obligations and the need for essential services has placed the MCWD in a precarious position, highlighting the urgency for external funding and support to stabilize the district and ensure continued water service to its customers.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$500,000	Relocation Expense & Payments	500,000
TOTAL	\$500,000	TOTAL	\$500,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	N/A N/A N/A	
DEBT PER CUSTOMER	Existing	\$10,880	
RESIDENTIAL RATES	Current Additional	<u>Users</u> 3,060 0	<u>Avg. Bill</u> \$69.59 (for 4,000 gallons) \$69.59 (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 2021	401,329	383,864	17,465 1.0
Audited 2022	366,912	240,966	125,946 1.5
Audited 2023	102,079	314,650	(212,571) 0.3

Scoring			Rubrick	Metrics		
MORGAN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,157	State MHI \$60,183	Percentage 78.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.8%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.05	2022 DCR 1.52	2023 DCR 0.32
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.79	2022 APT 51.25	2023 APT 29.82
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.42	2022 ARD 24.32	2023 ARD 21.97
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		71				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-067	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21109001	
BORROWER	CITY OF MCKEE JACKSON COUNTY			
BRIEF DESCRIPTION				
The Phase 1 Wastewater System Rehabilitation will address known excessive I/I in the North KY 89 sewershed and four gravity creek crossings in two other sewershed to reduce the flow rates to the WWTP which has been inundated by I/I with flow rates more than double the KPDES limits of the WWTP.				
The existing collection system is gravity sewer that follows along Bills Branch Creek. The system has known deficiencies and sources of I/I. The proposed project would install a new low pressure sewer system with residential grinders and a new lift station that will serve McKee Elementary School and the Jackson Valley Apartments. The project would also include improvements at the WWTP blower building by installing energy efficient blowers, controls, light fixtures and Variable Frequency Drives. The new lift station would also include premium efficiency motors with VFD controls to limit energy consumption.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,702,099	Administrative Expenses	\$50,000	
HB303 Reallocation 3c-2017	237,901	Legal Expenses	5,000	
		Land, Easements	8,930	
		Planning	10,000	
		Eng - Design / Const	120,300	
		Eng - Insp	73,800	
		Eng - Other	25,500	
		Construction	1,490,250	
		Contingency	156,220	
TOTAL	\$1,940,000	TOTAL	\$1,940,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	March 1, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	December 1, 2025		
DEBT PER CUSTOMER	Existing	\$3,049		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	236	\$34.07 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	47,321	70,531	(23,210)	0.7
Audited 2021	95,726	74,426	21,300	1.3

Scoring			Rubrick	Metrics		
CITY OF MCKEE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$21,560	State MHI \$60,183	Percentage 35.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.67	2020 DCR NA	2021 DCR 1.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 37.59	2020 APT NA	2021 APT 26.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 27.25	2020 ARD NA	2021 ARD 28.01
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		70				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-143 No WRIS - Non Capital	
BORROWER		LIVINGSTON MUNICIPAL WATER WORKS ROCKCASTLE COUNTY		
BRIEF DESCRIPTION				
The use of this funding will go towards paying for forensic audits for the years of 2019 and 2023 to return the City of Livingston to compliance. Due to the investigation being conducted for the years of 2018-2022, the Department of Local Government is requesting we conduct forensic audits and reconstruct the financial situations that occurred during those time periods. Due to the lack of state funding because of the audits not being complete in the past, the city's funding has been very limited. A portion of the requested funds will also go towards debt relief to the USDA Loan and Woods Creek water service. The City of Livingston has been working diligently to return to compliance in order to move forward.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$220,178	Other	220,178	
TOTAL	\$220,178	TOTAL	\$220,178	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	N/A N/A N/A		
DEBT PER CUSTOMER	Existing	N/A		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	162	\$23.00 (for 4,000 gallons)	
	Additional	0	\$23.00 (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 2021	(12,306)	0	(12,306)	n/a
Audited 2022	0	0	0	n/a
Audited 2023	0	0	0	n/a

Scoring			Rubrick		Metrics	
LIVINGSTON MUNICIPAL WATER WORKS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$30,085	State MHI \$60,183	Percentage 50.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA	2022 DCR NA	2023 DCR NA
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT NA	2022 APT NA	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD NA	2022 ARD NA	2023 ARD NA
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		68				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-061 SX21027005	
BORROWER		CITY OF CLOVERPORT BRECKINRIDGE COUNTY		
BRIEF DESCRIPTION				
This proposed project will include the construction of a new wastewater treatment plant and increase capacity to 0.3 MGD. The new plant will provide improved treatment/effluent and allow for more efficient management of the system. VFDs and SCADA will be installed further improving energy efficiencies and control over the plant operations.				
The existing wastewater treatment plant is over 55 years old and is in poor condition. The existing plant has many functional problems and equipment that has outlived its useful life. The City is under an agreed order regarding violations with the treatment plant.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,171,000	Administrative Expenses	\$30,000	
		Legal Expenses	10,000	
		Planning	50,000	
		Eng - Design / Const	388,000	
		Eng - Insp	263,000	
		Eng - Other	50,000	
		Construction	5,800,000	
		Contingency	580,000	
TOTAL	\$7,171,000	TOTAL	\$7,171,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	September 22, 2026 November 15, 2026 November 30, 2027		
DEBT PER CUSTOMER	Existing	\$846		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	416	\$43.43 (for 4,000 gallons)	
	Additional	0	\$43.43 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	41,279	70,945	(29,666)	0.6
Audited 2022	0	0	0	n/a
Audited 2023	38,735	39,277	(542)	1.0

Scoring			Rubrick	Metrics		
CITY OF CLOVERPORT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,250	State MHI \$60,183	Percentage 55.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.58	2022 DCR NA	2023 DCR 0.99
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.55	2022 APT N/A	2023 APT 3.10
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.50	2022 ARD N/A	2023 ARD 38.76
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		67				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-056 WX21133081
BORROWER	CITY OF JENKINS LETCHER COUNTY		
BRIEF DESCRIPTION			
This project includes 11,500 LF of 6" PVC waterline, 15 of the 6" D.I.M.J. Gate Valve and Box, 10 of the flushing hydrant assembly, type 1, 83 of the 5/8" x 3/4" tandem setter tub w/ IPRV and 83 of the Sensus Iperl Meter with Radio Read. It also consists of 3,000 LF of the 3/4" PE CL200 service line, 2 combination air relief valve, 1 duplex pump station, 2 of the 100,000 gallon Water Storage Tank and Valve vault, and 10 waterline markers. This project is to extend water service to the planned Grand View High Ground Subdivision located in Jenkins, KY. This subdivision in Phase I will include approximately 115 .30 acre lots for survivors of the 2022 1,000 year flood event that ravaged eastern Kentucky. The flood damaged nearly 9,000 houses in the region and took the lives of 43 people. The region was already in a housing shortage crisis before the flood, now it has exacerbated the issue causing increased outmigration and an increased desperation among residents to the point some are living in RV's, storage sheds and with family as they just can't find housing or afford it. It is critical that the region develop adequate housing to not only house current residents, but to attract new residents and businesses to the region. Businesses will not locate to the area if the workforce is not readily available to fill positions. This project is a critical need for not only Letcher County, but the entire region.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$2,835,000	Administrative Expenses	\$50,000
		Legal Expenses	10,000
		Planning	5,000
		Eng - Design / Const	183,500
		Eng - Insp	106,500
		Eng - Other	15,000
		Construction	2,241,250
		Contingency	223,750
TOTAL	\$2,835,000	TOTAL	\$2,835,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 30, 2025 August 30, 2025 March 30, 2026	
DEBT PER CUSTOMER	Existing	\$13,487	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	838	\$40.59 (for 4,000 gallons)
	Additional	115	\$40.59 (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 2021	77,657	186,671	(109,014) 0.4
Audited 2022	131,308	147,596	(16,288) 0.9
Audited 2023	149,204	188,650	(39,446) 0.8

Scoring			Rubrick	Metrics		
CITY OF JENKINS						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,631	State MHI \$60,183	Percentage 47.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.42	2022 DCR 0.89	2023 DCR 0.79
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.66	2022 APT 9.13	2023 APT 5.40
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 34.43	2022 ARD 32.78	2023 ARD 51.31
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		66				

EXECUTIVE SUMMARY			Reviewer	Sandy Sanders
KENTUCKY INFRASTRUCTURE AUTHORITY			Date	November 7, 2024
KY WWATERS FUND			KIA Loan Number	W25-019
REVOLVING LOAN / GRANT FUND			WRIS Number	SX 21155015
BORROWER		CITY OF BRADFORDSVILLE MARION COUNTY		
BRIEF DESCRIPTION				
The proposed Phase 2 project is to continue I&I Rehabilitation begun approximately 3 years ago to address an Agreed Order issued by EEC Enforcement. Phase 2 will include approximately 6,000 LF of CCTV Investigation, 3,000 LF of CIPP Sewer Line Rehabilitation, Rehabilitaiton or Replacement of approximately 30 manholes, and an estimated 15 ea. Sewer Line Point Repairs. Included in the project will be planning, project administration, engineering, design, plans and specifications, construction administration and construction inspection. Completion of this project will comply with the Agreed Order Corrective Action Plan approved by EEC Enforcement. Copies of the Agreed Order, Corrective Action Plan, and letter from EEC Enforcement approvign the CAP are attached.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$747,500	Administrative Expenses	\$15,000	
		Planning	10,000	
		Eng - Design / Const	57,000	
		Eng - Insp	28,500	
		Construction	570,000	
		Contingency	67,000	
TOTAL	\$747,500	TOTAL	\$747,500	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	Jun-25		
	Construction Start	Jul-25		
	Construction Stop	Dec-25		
DEBT PER CUSTOMER	Existing	\$285		
	Proposed	\$285		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	136	\$51.69 (for 4,000 gallons)	
	Additional	0	\$51.69 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,326	7,140	186	1.0
Audited 2022	6,472	5,812	660	1.1
Audited 2023	(2,032)	7,281	(9,313)	-0.3
2024	(6,793)	50	(6,843)	-135.9

Scoring			Rubrick	Metrics		
CITY OF BRADFORDSVILLE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$30,055	State MHI \$60,183	Percentage 49.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.1%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.03	2022 DCR 1.11	2023 DCR -0.28
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 21.51	2022 APT 4.46	2023 APT 11.42
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.30	2022 ARD 54.45	2023 ARD 33.69
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		66				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Russell Neal November 7, 2024 W25-129 SX21167028	
BORROWER	MERCER COUNTY SANITATION DISTRICT MERCER COUNTY			
BRIEF DESCRIPTION				
In accordance with the Mercer County Sanitation District's 2006 Regional Facilities Plan, providing sanitary sewer service to the areas around Herrington Lake is a high priority. The residential communities in the Herrington Lake Watershed are currently served by aging septic tanks and two small package treatment plants. This project will allow the communities around the lake to be served with individual grinder pump stations and small diameter force mains that lead to a regional pump station. The pump station will pump flow through an 8-IN force main that will run down SR 152 and into the Burgin Central Pump Station which currently pumps flow to Danville for treatment.				
This project will study the route and then design and construct a force main along SR 152 from the Burgin Central Pump Station, east approx. 20,000 feet towards Herrington Lake where it will end at a regional pump station. From there this first phase project will connect three communities to serve a total of 252 new customers with grinder pumps and small diameter force mains: Chimney Rock, Bradshaw’s Camp, and Herrington Woods.				
The force main and pump station will provide the backbone for additional future projects that would connect these other communities: Cane Run Camp (37 customers), Ashley’s Camp (45 customers), Hager’s Camp (26 customers), Paradise Camp (33 customers), and Lakeview Point (340 customers), to the pump station via grinder pumps and small diameter force main systems for a total of an additional 481 customers served.				
Providing public sewer to this area will alleviate the waste that makes its way into the lake through ill-functioning septic systems. The project would also decommission the Chimney Rock package plant and turn it into a pump station. Providing public sewer to this area will open up development opportunities for additional homes and businesses as well as local marina upgrades and expansions.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$11,153,992	Administrative Expenses	\$10,000	
		Legal Expenses	10,000	
		Land, Easements	30,000	
		Planning	40,000	
		Eng - Design / Const	679,102	
		Eng - Insp	591,208	
		Construction	8,291,846	
		Contingency	1,501,836	
TOTAL	\$11,153,992	TOTAL	\$11,153,992	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates, inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 1, 2026 January 1, 2027 April 1, 2028		
DEBT PER CUSTOMER	Existing	\$82,823		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	59	\$70.76 (for 4,000 gallons)	
	Additional	252	\$70.76 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	174,368	238,284	(63,916)	0.7
Audited 2022	172,317	249,893	(77,576)	0.7
Audited 2023	283,728	231,541	52,187	1.2

Scoring			Rubrick	Metrics		
MERCER COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,827	State MHI \$60,183	Percentage 97.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.73	2022 DCR 0.69	2023 DCR 1.23
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.22	2022 APT 2.87	2023 APT 2.66
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 63.11	2022 ARD 60.67	2023 ARD 55.19
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		66				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-085	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21171022	
BORROWER	CITY OF GAMALIEL MONROE COUNTY			
BRIEF DESCRIPTION				
The City of Gamaliel operates a 0.1MGD Wastewater Treatment Plant (WWTP) with a Collection System consisting of 181 low pressure pumps feeding 5 lift stations. Both the WWTP and the Collection System are in need of upgrade and repairs.				
The WWTP consist of a packaged steel construction Oxidation Ditch with integral Circular Clarifier. Chlorination was replaced with UV in 2015 and the existing chlorine contact tank is now used for effluent flow measurement and has aeration added. Repairs and maintenance are needed to keep the plant operational including a structural evaluation of the 30+ year old plant. Also needed are upgrades to the oxidation ditch to gain significant energy savings by ugrading antiquated motors, obtaining more efficient aerators and introducing an oxygen control mixer. The Clarifier structural steel is corroded to the point that failure is a concern. The scum trough is also corroded to the point that it is nearly inoperable.				
The collection system lift stations are in need of upgrade and repair and new gates and fencing repairs are needed at the lift stations for adequate security.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,009,600	Administrative Expenses	\$40,000	
		Eng - Design / Const	438,000	
		Eng - Insp	360,000	
		Eng - Other	205,000	
		Construction	3,966,600	
TOTAL	\$5,009,600	TOTAL	\$5,009,600	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers		
PROJECT SCHEDULE	Bid Opening	July 1, 2026		
	Construction Start	August 1, 2026		
	Construction Stop	January 1, 2028		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	200	\$39.50 (for 4,000 gallons)	
	Additional	0	\$39.50 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(91,208)	16,600	(107,808)	-5.5
Audited 2022	(90,446)	19,758	(110,204)	-4.6
Audited 2023	(106,068)	0	(106,068)	n/a

Scoring			Rubrick	Metrics		
CITY OF GAMALIEL						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,843	State MHI \$60,183	Percentage 57.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -5.49	2022 DCR -4.58	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.52	2022 APT 1.61	2023 APT 2.86
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 8.02	2022 ARD 6.27	2023 ARD 2.86
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		65				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-109 N/A	
BORROWER	MOUNTAIN WATER DISTRICT PIKE COUNTY			
BRIEF DESCRIPTION Payment of the following debt obligations: KIA LOAN DEBT A-16-079 - Residential Grinder Station Project Remaining balance as of January 1, 2025 - \$199,667.95 Annual Amount Paid: \$16,148.74 Monthly Amount Paid: \$1,345.72				
PROJECT FINANCING Fund KYWWATERS Loan		\$1,155,542	PROJECT BUDGET Administrative Expenses Other	\$0 1,155,542
TOTAL		\$1,155,542	TOTAL	\$1,155,542
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	0		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing	\$1,006		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
	Additional	16,585 0	\$54.91 (for 4,000 gallons) \$54.91 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,720,178	1,846,021	(125,843)	0.9
Audited 2022	1,257,774	2,372,429	(1,114,655)	0.5
Audited 2023	1,119,107	1,653,336	(534,229)	0.7

Scoring			Rubrick	Metrics		
MOUNTAIN WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,904	State MHI \$60,183	Percentage 69.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.93	2022 DCR 0.53	2023 DCR 0.68
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.94	2022 APT 1.84	2023 APT 1.15
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 38.71	2022 ARD 46.07	2023 ARD 47.01
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		65				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-114	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21195067	
BORROWER	MOUNTAIN WATER DISTRICT PIKE COUNTY			
BRIEF DESCRIPTION The purpose of this project is to make urgently needed repairs to the Russell Fork Water Treatment Plant, which is the primary source of water for Mountain Water District's 16,513 existing water customers. The water treatment plant is now reaching twenty (20) years of age, and many of the components have past their life expectancy. This plant is the heart of Mountain Water District's system and must undergo an upgrade of its aging infrastructure to continue to provide the high quality, potable water service that our customers need and deserve. The project includes upgrades to the discharge line size that backwashes the plant into the lagoons. This project will also rehabilitate or replace the plant's chemical ventilation system that is imperative for the control of harmful fumes and the improvement of air quality for the safety of our plant employees who staff the plant 24 hours per day/7				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,454,000	Administrative Expenses	\$30,000	
		Planning	31,000	
		Eng - Design / Const	134,000	
		Eng - Insp	119,000	
		Eng - Other	35,000	
		Construction	1,912,500	
		Contingency	192,500	
TOTAL	\$2,454,000	TOTAL	\$2,454,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	7-21 days post advertisement summer, 2025 summer, 2026		
DEBT PER CUSTOMER	Existing	\$1,006		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	16,585	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (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 2021	1,720,178	1,846,021	(125,843)	0.9
Audited 2022	1,257,774	2,372,429	(1,114,655)	0.5
Audited 2023	1,119,107	1,653,336	(534,229)	0.7

Scoring			Rubrick	Metrics		
MOUNTAIN WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,904	State MHI \$60,183	Percentage 69.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.93	2022 DCR 0.53	2023 DCR 0.68
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.94	2022 APT 1.84	2023 APT 1.15
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 38.71	2022 ARD 46.07	2023 ARD 47.01
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		65				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-154 WX21235013
BORROWER		WHITLEY COUNTY WATER DISTRICT WHITLEY COUNTY	
BRIEF DESCRIPTION			
The project will replace old deteriorated often undersized lines in eight areas of the existing distribution system and extend a transmission main from the City of Williamsburg system to the District's existing distribution system along KY 92 West. The lines planned for replacement are significant contributors to the District's unacceptably high water loss. The transmission main will allow the District to replace the McCreary County Water District (MCWD) as a wholesale source with the City of Williamsburg. The new lines will consist of approximately 800 LF of 8-inch; 2,700 LF of 6-inch; 45,100 LF of 4-inch; and 8,200 LF of 3-inch PVC waterline. The connection to the Williamsburg system will require approximately 27,300 LF of 6-inch waterline and a booster pump station.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$3,290,000	Administrative Expenses	\$50,110
		Legal Expenses	25,000
		Land, Easements	25,000
		Planning	18,000
		Eng - Design / Const	232,400
		Eng - Insp	128,000
		Eng - Other	30,000
		Construction	2,455,900
		Contingency	325,590
TOTAL	\$3,290,000	TOTAL	\$3,290,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	KENVIRONS	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	September 15, 2025 November 1, 2025 November 1, 2026	
DEBT PER CUSTOMER	Existing	\$4,921	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	3,844	\$45.57 (for 4,000 gallons)
	Additional	0	\$45.57 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	476,692	325,260	151,432 1.5
Int. P & L 2022	425,248	306,330	118,918 1.4
Int. P & L 2023	622,197	296,435	325,762 2.1

Scoring			Rubrick	Metrics		
WHITLEY COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,984	State MHI \$60,183	Percentage 71.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.47	2022 DCR 1.39	2023 DCR 2.10
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.71	2022 APT 17.55	2023 APT 13.08
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 30.08	2022 ARD 51.45	2023 ARD 49.74
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		65				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-014 WX21057030	
BORROWER		CITY OF BURKESVILLE CUMBERLAND COUNTY		
BRIEF DESCRIPTION				
Replace drinking water distribution lines in an approximately .20 square mile area of the City of Burkesville bounded by N Main Street, Oakland Street, N King St, and 7th Street. The majority of lines in this area are 1935 era cast iron lines that exhibit signs of tuberculation and degradation. Phase 1 encompasses Oakland St and Woodland (City Street 1010) and connecting streets.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,646,875	Administrative Expenses	\$10,000	
		Eng - Design / Const	94,000	
		Eng - Insp	60,000	
		Eng - Other	25,000	
		Construction	1,217,875	
		Contingency	240,000	
TOTAL	\$1,646,875	TOTAL	\$1,646,875	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	GRW		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Apr-25 Apr-25 Oct-25		
DEBT PER CUSTOMER	Existing	\$4,975		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	818	\$34.28 (for 4,000 gallons)	
	Additional	0	\$34.28 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	337,162	494,058	(156,896)	0.7
Audited 2022	250,333	283,449	(33,116)	0.9
Audited 2023	239,744	700,185	(460,441)	0.3

Scoring			Rubrick	Metrics		
CITY OF BURKESVILLE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,447	State MHI \$60,183	Percentage 47.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.68	2022 DCR 0.88	2023 DCR 0.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.17	2022 APT 9.15	2023 APT 10.14
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 71.42	2022 ARD 35.18	2023 ARD 30.61
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		64				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-126	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21045018	
BORROWER	CITY OF LIBERTY CASEY COUNTY			
BRIEF DESCRIPTION				
The source of water for the City of Liberty and Casey County is Lake Liberty. Lake Liberty was constructed in 1975 and the 80-acre lake replaced a totally inadequate source on the upper Green River which left the City of Liberty out of water on numerous occasions. The City of Liberty proposes to construct a second lake to supplement Lake Liberty. The Lake would be similar in size (which doubles the water supply), and would be located in the adjacent valley to the east. Water from this second lake would be pumped to Lake Liberty in order to avoid the severe drawdown of the impoundment now being experienced.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$9,044,000	Administrative Expenses	\$60,000	
		Land, Easements	261,000	
		Planning	194,000	
		Eng - Design / Const	402,000	
		Eng - Insp	302,000	
		Eng - Other	70,000	
		Construction	4,021,000	
		Contingency	358,000	
		Other	3,376,000	
TOTAL	\$9,044,000	TOTAL	\$9,044,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky		
PROJECT SCHEDULE	Bid Opening	June 15, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$35,607		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	915	\$52.25 (for 4,000 gallons)	
	Additional	0	\$52.25 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	429,790	502,045	(72,255)	0.9
Audited 2022	608,093	500,961	107,132	1.2
Audited 2023	313,014	500,525	(187,511)	0.6

Scoring			Rubrick	Metrics		
CITY OF LIBERTY						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$29,397	State MHI \$60,183	Percentage 48.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.86	2022 DCR 1.21	2023 DCR 0.63
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 7.30	2022 APT 16.88	2023 APT 7.25
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 37.89	2022 ARD 37.95	2023 ARD 35.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		64				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-041 WX21105009	
BORROWER		CITY OF COLUMBUS HICKMAN COUNTY		
BRIEF DESCRIPTION				
The city's water treatment plant needs various upgrades. The upgrades are, but not limited to, replacing outdated and deteriorating equipment including valves, well meters, disinfectant chlorination piping, piping for the high service pumps, electrical service components and security fencing, at the water treatment plant and wells. Additionally, the deteriorating and obsolete clearwell at the plant needs to be removed to prevent infiltration into the treated water supply. The project would include demolishing the old WTP structure and building the larger WTP. Project would also consist of installing a generator at the plant for an alternative power supply. Finally, to address real water loss, a large-scale customer water meter replacement is necessary.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,800,000	Administrative Expenses	\$75,000	
		Eng - Design / Const	203,000	
		Eng - Insp	120,000	
		Eng - Other	35,000	
		Construction	1,242,000	
		Contingency	125,000	
TOTAL	\$1,800,000	TOTAL	\$1,800,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2025 August 1, 2025 February 1, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	100	\$47.50 (for 4,000 gallons)	
	Additional	0	\$47.50 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
UNAUDITED FIN STMNT 2021	(944)	0	(944)	n/a
UNAUDITED FIN STMNT 2022	2,120	0	2,120	n/a
UNAUDITED FIN STMNT 2023	(2,265)	0	(2,265)	n/a

Scoring			Rubrick	Metrics		
CITY OF COLUMBUS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$36,450	State MHI \$60,183	Percentage 60.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA	2022 DCR NA	2023 DCR NA
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT NA	2022 APT NA	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 0.00	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points	50% or More		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		64				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-076 SX21133023	
BORROWER		CITY OF WHITESBURG LETCHER COUNTY		
BRIEF DESCRIPTION				
The Whitesburg I&I Phase I project marks the initial phase of a Sewer System Evaluation Survey (SSES) program. This phase will involve the TV inspection and smoke testing of approximately 51,000 linear feet of sewer line, followed by a comprehensive report detailing the findings and providing rehabilitation recommendations. The subsequent phase will focus on addressing the sewer line deficiencies identified, with priority given to those that are most critical and cost-effective to repair or replace. The rehabilitation process will continue in a prioritized manner until the available funds are fully utilized. Need for Project: The City of Whitesburg's sewer system sustained significant damage during the 2022 flood, compromising the integrity of the sewer facilities. Post-flood, the city has received multiple violations from the Division of Water due to exceedances in Biochemical Oxygen Demand (BOD) and BOD percent removal. The floodwaters inundated the sewer collection lines, leading to saturated bedding and backfill, which in turn increased the external pressure on the pipes, causing structural damage to the pipe walls, seams, and manholes. As floodwaters receded, groundwater movement further eroded the soil supporting the sewer infrastructure, leading to the loss of vital bedding material that is essential for the stability and longevity of the sewer lines and manholes. This project is crucial for promoting public health and ensuring compliance with the Clean Water Act, as it aims to restore and reinforce the damaged sewer infrastructure, thereby preventing further environmental violations and safeguarding the community's health and safety.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,650,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Land, Easements	10,000	
		Planning	10,000	
		Eng - Design / Const	228,000	
		Eng - Insp	125,000	
		Eng - Other	55,000	
		Construction	2,870,000	
		Contingency	292,000	
TOTAL	\$3,650,000	TOTAL	\$3,650,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering INC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 15, 2025 August 1, 2025 March 30, 2026		
DEBT PER CUSTOMER	Existing	\$1,976		
OTHER DEBT		See Attached		
RESIDENTIAL RATES	Current	Users 780	Avg. Bill \$28.07 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(714,113)	204,141	(918,254)	-3.5
Audited 2022	103,996	154,469	(50,473)	0.7
Audited 2023	N/A	N/A	N/A	N/A

Scoring			Rubrick	Metrics		
CITY OF WHITESBURG						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,918	State MHI \$60,183	Percentage 58.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -3.50	2022 DCR 0.67	2023 DCR N/A
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 74.01	2022 APT 4.81	2023 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.10	2022 ARD 33.94	2023 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		63				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-140 WX21119029	
BORROWER		THE CITY OF HINDMAN KNOTT COUNTY		
BRIEF DESCRIPTION				
Construction will Include the installation of new residential meters with Radio-Read heads. Installation of a new Radio Read system including remote reading laptops with receivers and mainframe office computer. This project will improve the system's efficiency by reducing the time and human errors of visually reading meters.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$808,500	Administrative Expenses	\$50,000	
CDBG	808,500	Planning	5,000	
		Eng - Design / Const	115,000	
		Eng - Insp	72,000	
		Construction	1,250,000	
		Contingency	125,000	
TOTAL	\$1,617,000	TOTAL	\$1,617,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 15, 2025 September 1, 2025 May 31, 2025		
DEBT PER CUSTOMER	Existing	\$5,464		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	650	\$36.29 (for 4,000 gallons)	
	Additional	0	\$36.29 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	15,426	73,411	(57,985)	0.2
Audited 2021	2,651	59,412	(56,761)	0.0
Audited 2022	92,781	99,498	(6,717)	0.9

Scoring			Rubrick	Metrics		
THE CITY OF HINDMAN						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$36,048	State MHI \$60,183	Percentage 59.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.21	2021 DCR 0.04	2022 DCR 0.93
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 26.36	2021 APT 10.26	2022 APT 8.63
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 34.99	2021 ARD 35.43	2022 ARD 40.94
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		63				

Scoring			Rubrick	Metrics		
COUNTY FISCAL COURT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,210	State MHI \$60,183	Percentage 81.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.44	2022 DCR 2.74	2023 DCR 1.69
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 14.51	2022 APT 57.63	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 28.26	2022 ARD 36.25	2023 ARD 44.31
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		62				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-124 SX21189007	
BORROWER		CITY OF BOONVILLE OWSLEY COUNTY		
BRIEF DESCRIPTION				
This project aims to re-direct the flow of a significant portion of the City of Booneville's sewage, eliminating the need for a sewer pump station and a river crossing. By utilizing gravity flow, wastewater will be re-routed to an existing pump station that will be upgraded to manage the increased volume. The upgraded pump station will then channel the wastewater directly to the city's wastewater treatment plant (WWTP). This re-direction will allow the city to abandon one river crossing and reduce the flow at two others. The project includes the installation of energy-efficient electrical components, variable frequency drives (VFDs), and a Supervisory Control and Data Acquisition (SCADA) system for enhanced monitoring and control. Need for Project: This project is critical for promoting public health and ensuring compliance with the Clean Water Act. The current wastewater flow is inefficient, requiring multiple pumps around the city due to the old wastewater treatment plant's location on the opposite side of town. This system has led to significant inflow and infiltration (I&I) issues and frequent maintenance problems. By eliminating a pump station and a problematic river crossing, the project will reduce the city's operational costs, particularly the high monthly electric bills, and improve the reliability of the wastewater system. The re-direction of flow to the new WWTP will enhance the city's ability to manage wastewater effectively, reducing the risk of contamination and ensuring better environmental stewardship.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$274,000	Administrative Expenses	\$50,000	
FEMA	750,000	Legal Expenses	10,000	
		Relocation Expense & Payments	10,000	
		Planning	10,000	
		Eng - Design / Const	73,000	
		Eng - Insp	48,000	
		Eng - Other	25,000	
		Construction	726,000	
		Contingency	72,000	
TOTAL	\$1,024,000	TOTAL	\$1,024,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	October 1, 2022 September 1, 2025 April 1, 2026		
DEBT PER CUSTOMER	Existing	\$24,265		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	279	\$34.26 (for 4,000 gallons)	
	Additional	0	\$34.26 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	125,537	180,219	(54,682)	0.7
Audited 2022	99,989	154,493	(54,504)	0.6
Audited 2023	(281,167)	221,829	(502,996)	-1.3

Scoring			Rubrick	Metrics		
CITY OF BOONVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,551	State MHI \$60,183	Percentage 57.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.70	2022 DCR 0.65	2023 DCR -1.27
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 17.43	2022 APT 32.92	2023 APT 1.81
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 25.39	2022 ARD 44.37	2023 ARD 56.48
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		61				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-006	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21057029	
BORROWER	CUMBERLAND COUNTY WATER DISTRICT CUMBERLAND COUNTY			
BRIEF DESCRIPTION				
The Cumberland County Water District (CCWD) intends to install approximately 5,400 LF of 6-inch water line along KY Highway 61 in Adair County (installed by Columbia/Adair Utilities District (CAUD) (paid through CCWD funding) and approximately 23,000 LF of new 6-inch water line to connect to the existing CAUD water line at the county line and extend to the existing CCWD water line. A new master meter will be installed to serve as a wholesale connection point along with two pressure reducing stations.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,285,000	Administrative Expenses	\$12,500	
		Legal Expenses	12,500	
		Eng - Design / Const	151,000	
		Eng - Insp	91,000	
		Eng - Other	60,000	
		Construction	1,779,000	
		Contingency	179,000	
TOTAL	\$2,285,000	TOTAL	\$2,285,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MONARCH ENGINEERING, INC.		
PROJECT SCHEDULE	Bid Opening	July 7, 2025		
	Construction Start	October 6, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,568		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,954	\$51.91 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	173,296	327,546	(154,250)	0.5
Audited 2021	383,202	204,094	179,108	1.9
Audited 2022	165,677	262,933	(97,256)	0.6

Scoring			Rubrick	Metrics		
CUMBERLAND COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,474	State MHI \$60,183	Percentage 65.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.53	2021 DCR 1.88	2022 DCR 0.63
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 0.47	2021 APT 1.12	2022 APT 1.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 31.44	2021 ARD 30.76	2022 ARD 37.47
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		61				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-005	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21057022	
BORROWER	CUMBERLAND COUNTY WATER DISTRICT CUMBERLAND COUNTY			
BRIEF DESCRIPTION				
The proposed improvements consist of the installation of approximately 18,000 L.F. of 8-inch, 6-inch, 4-inch and 3-inch water line and appurtenances will be installed to replace existing aging and/or undersized Asbestos Cement (AC) water lines in the Marrowbone Community of Cumberland County. The lines scheduled for replacement are adjacent to Kentucky Highway 90, Ellis Road, Welby Garmon Road, Doc Needham Road, Kentucky Highway 3115, Park Road No. 1, Marrowbone Park Road, Pitcock Drive, Anderson Drive, Sawmill Road, Mosby Drive, and Roadside Spur Road. In addition to the main line replacements, aging service lines and meter settings will also be replaced through this project.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,500,000	Administrative Expenses	\$10,000	
		Legal Expenses	15,000	
		Land, Easements	8,500	
		Eng - Design / Const	163,000	
		Eng - Insp	97,000	
		Eng - Other	20,000	
		Construction	1,955,500	
		Contingency	196,000	
TOTAL	\$2,500,000	TOTAL	\$2,465,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	MONARCH ENGINEERING, INC.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	March 1, 2025 July 1, 2025 March 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,568		
RESIDENTIAL RATES	Current	<u>Users</u> 2,954	<u>Avg. Bill</u> \$51.91 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	173,296	327,546	(154,250)	0.5
Audited 2021	383,202	204,094	179,108	1.9
Audited 2022	165,677	262,933	(97,256)	0.6

Scoring			Rubrick	Metrics		
CUMBERLAND COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,474	State MHI \$60,183	Percentage 65.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.53	2021 DCR 1.88	2022 DCR 0.63
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 0.47	2021 APT 1.12	2022 APT 1.32
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 31.44	2021 ARD 30.76	2022 ARD 37.47
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		61				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-023 SX21061012	
BORROWER		CAVELAND SANITATION AUTHORITY, INC D/B/A CAVELAND ENVIRONMENTAL AUTHORITY BARREN COUNTY		
BRIEF DESCRIPTION				
The proposed project will consist of installing two pumping stations. One will be located at the treatment plant site with 17,000 feet of 6-inch force main and the other one located on a higher elevation with a 10,000-feet of 6-inch force main to connect at the Caveland Environmental Chalybeate line. The project will also eliminate a wastewater treatment facility at the City of Brownsville (KY0023396) and a discharge to Green River located at Latitude (N) 37* 11` 48.889” Longitude (W) 86* 16` 27.149”. Furthermore, the project will allow the connection of the Kyrock Elementary School. The total construction cost is \$4,350,200.00 The pay off of the Rural Development loan for the Sewer Plant is \$501,000.00.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,112,000	Administrative Expenses	\$95,000	
		Eng - Other	500,000	
		Construction	5,925,000	
		Contingency	592,000	
TOTAL	\$7,112,000	TOTAL	\$7,112,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Water Management Services		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 22, 2025 July 1, 2025 April 1, 2026		
DEBT PER CUSTOMER	Existing	\$63,199		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	477	\$22.90 (for 4,000 gallons)	
	Additional	126	\$22.90 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	846,584	2,177,888	(1,331,304)	0.4
Audited 2022	975,598	1,060,237	(84,639)	0.9
Audited 2023	1,090,869	1,085,093	5,776	1.0

Scoring			Rubrick	Metrics		
CAVELAND SANITATION AUTHORITY, INC D/B/A CAVELAND ENVIRONMENTAL AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,616	State MHI \$60,183	Percentage 74.1%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.39	2022 DCR 0.92	2023 DCR 1.01
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.30	2022 APT 5.66	2023 APT 3.72
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 26.26	2022 ARD 24.20	2023 ARD 42.23
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	10	if yes, 10 points			Yes
12	Regionalization, consolidation, or partnerships	10	if yes, 10 points			Yes
		61				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Milward Dedman November 7, 2024 W25-013 WX21147041
BORROWER		MCCREARY COUNTY WATER DISTRICT MCCREARY COUNTY	
BRIEF DESCRIPTION			
This project will replace approximately 26,700 LF of existing 4-inch and 6-inch Asbestos-Concrete waterline in the Marshes Siding and Whitley City areas of McCreary County. A few portions of existing AC waterline will be put out of service via a cut and cap. Proposed lines will be 4-inch and 6-inch PVC. All side roads served from the existing AC waterline will need to be reconnected to the new main.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$3,657,000	Administrative Expenses	\$20,000
		Eng - Design / Const	217,000
		Eng - Insp	120,000
		Construction	3,000,000
		Contingency	300,000
TOTAL	\$3,657,000	TOTAL	\$3,657,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Jun-25 Aug-25 May-26	
DEBT PER CUSTOMER	Existing	\$2,279	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	6,041	\$44.50 (for 4,000 gallons)
	Additional	0	\$44.50 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	1,168,864	2,305,090	(1,136,226) 0.5
Audited 2022	819,671	1,459,875	(640,204) 0.6
Audited 2023	0	0	0 n/a

Scoring			Rubrick	Metrics		
MCCREARY COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,903	State MHI \$60,183	Percentage 58.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.51	2022 DCR 0.56	2023 DCR NA
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.16	2022 APT 1.10	2023 APT NA
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.68	2022 ARD 34.57	2023 ARD NA
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		59				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-068 WX21083086
BORROWER		CITY OF WINGO GRAVES COUNTY	
BRIEF DESCRIPTION			
This project will consist of replacing asbestos cement waterlines that were originally installed in 1968. This area of the system has several breaks and can cause asbestos cement fibers to enter the drinking water. The replacement will be concentrated in a heavy residential area north of town. Along with the replacement of the water main, the City will also replace the customer meters.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$825,000	Administrative Expenses	\$20,000
		Land, Easements	20,000
		Eng - Design / Const	60,000
		Eng - Insp	41,750
		Construction	621,050
		Contingency	62,200
		Other	-
TOTAL	\$825,000	TOTAL	\$825,000
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Oct-25 Jan-25 Jul-26	
DEBT PER CUSTOMER	Existing	\$7,958	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	281	\$25.40 (for 4,000 gallons)
	Additional	0	\$25.40 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	0	0	0 n/a
Audited 2022	0	0	0 n/a
Audited 2023	6,838	21,574	(14,736) 0.3

Scoring			Rubrick	Metrics		
CITY OF WINGO						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,401	State MHI \$60,183	Percentage 80.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR N/A	2022 DCR N/A	2023 DCR 0.32
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT N/A	2022 APT N/A	2023 APT 35.77
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD N/A	2022 ARD N/A	2023 ARD 29.57
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		58				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-130 WX21193083
BORROWER		VILLAGE OF BUCKHORN PERRY COUNTY	
BRIEF DESCRIPTION The Village of Buckhorn is undertaking a modernization project to replace its existing Manual Read water meters with a new and advanced Radio Read Meter system. This initiative aims to enhance the efficiency, accuracy, and reliability of water usage data collection for approximately 300 residential properties, one local school, and one state park within the Village. The existing meters within the Village of Buckhorn are old and no longer read accurately. In addition to infrastructure improvements, the funding will help Buckhorn address its financial obligations, including paying off its debt to the City of Hazard. This financial relief will improve Buckhorn's fiscal health and strengthen relationships with neighboring communities, fostering regional cooperation and support.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$319,980	Equipment	141,397
		Other	178,583
TOTAL	\$319,980	TOTAL	\$319,980
REPAYMENT	Rate	0.75%	
	Term	30 Years	
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening	n/a	
	Construction Start	n/a	
	Construction Stop	n/a	
DEBT PER CUSTOMER	Existing	\$0	
RESIDENTIAL RATES			
		Users	Avg. Bill
	Current	302	\$42.00 (for 4,000 gallons)
	Additional	0	\$42.00 (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
Int. Unaudited 2022	(86,591)	0	(86,591) n/a
Int. Unaudited 2023	(119,180)	0	(119,180) n/a
Int. Unaudited 2024	(301,130)	0	(301,130) n/a

Scoring			Rubrick	Metrics		
VILLAGE OF BUCKHORN						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,501	State MHI \$60,183	Percentage 80.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2022 DCR #DIV/0!	2023 DCR #DIV/0!	2024 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT #DIV/0!	2023 APT #DIV/0!	2024 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 0.00	2023 ARD 0.00	2024 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		58				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-046	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21055021	
BORROWER		CRITTENDEN-LIVINGSTON COUNTIES WATER DISTRICT LIVINGSTON COUNTY		
BRIEF DESCRIPTION				
This project will expand the Crittenden-Livingston Water Treatment Plant from 2 MGD to 4 MGD and make other improvements to include raw water intake improvements, site work and plant piping, and an additional Cumberland River Crossing in southern Livingston County. All pumps and other treatment plant components added in the expansion will be equipped with VFD's, SCADA, and will be energy efficient . This phase also includes installing an additional generator to work with existing on-site generator and a Jackson Purchase Energy Service upgrade. This phase will also address compliance for emerging contaminants such as PFAS and microplastics.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$26,826,575	Administrative Expenses	\$50,000	
Funding Source 2	7,000,000	Legal Expenses	450,000	
		Planning	150,000	
		Eng - Design / Const	3,501,575	
	-	Construction	27,000,000	
	-	Contingency	2,675,000	
TOTAL	\$33,826,575	TOTAL	\$33,826,575	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	November 15, 2025		
	Construction Start	December 15, 2026		
	Construction Stop	June 15, 2028		
DEBT PER CUSTOMER	Existing	\$10,466		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,705	\$66.76 (for 4,000 gallons)	
	Additional	0	\$66.76 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,423,803	941,357	482,446	1.5
Audited 2022	1,285,822	1,215,687	70,135	1.1
Compiled 2023	974,733	981,366	(6,633)	1.0

Scoring			Rubrick	Metrics		
CRITTENDEN-LIVINGSTON COUNTIES WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,808	State MHI \$60,183	Percentage 81.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.06	2023 DCR 0.99
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 13.99	2022 APT 6.94	2023 APT 6.38
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 32.29	2022 ARD 30.64	2023 ARD 30.07
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	10	if yes, 10 points			Yes
12	Regionalization, consolidation, or partnerships	10	if yes, 10 points			Yes
		58				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-084 SX21159013	
BORROWER		MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY		
BRIEF DESCRIPTION				
The Inez Wastewater Treatment Plant (WWTP) was originally constructed in 1989, one oxidation ditch and one clarifier. The WWTP underwent a modification in 2011 adding a second clarifier. The original clarifier was never upgraded or modified and is beyond its useful life, currently inoperable. The Scope of Work for the WWTP Improvements Project includes but is not limited to site work, the addition of an oxidation ditch, septage receiving station, belt filter press, sludge hauling equipment and the construction of a solids processing building. The project includes the installation of a new influent flow meter, additional valves, yard piping, supervisory control and data acquisition (SCADA), and upgrades to the electrical system. Also included is the rehabilitation of the existing equipment, the addition of a sludge storage & drainage pad, piping relocation, rehabilitation of the original clarifier, installation of site conduit, wiring, and repairing the entry road leading to the Plant. The project also seeks to replace pump stations #1 (Black Log Rd) and #2 (Hardin Bottom), replace floats and add level transducers, electrical upgrades, and the installation of ten (10) grinder pumps throughout the collection system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,836,550	Planning	10,000	
		Eng - Design / Const	234,000	
		Eng - Insp	188,000	
		Eng - Other	93,000	
		Construction	2,981,000	
		Contingency	1,330,550	
TOTAL	\$4,836,550	TOTAL	\$4,836,550	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	October 1, 2025		
DEBT PER CUSTOMER	Existing	\$14,208		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	616	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,804	State MHI \$60,183	Percentage 64.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		57				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024
KY WWATERS FUND		KIA Loan Number	W25-085
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21159014
BORROWER		MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY	
BRIEF DESCRIPTION			
Section 1 – The Scope of Work of the Warfield Wastewater Treatment Plant includes but is not limited to the addition of a septage receiving station and mechanical screen, site work, piping and valves, electrical upgrades and the demolition of the a package treatment plant that previously served the Dempsey Housing Project.			
Section 2 – The Scope of Work of the Warfield Wastewater Collection System includes site work around pump station #1, replace floats and level transducer, installation of grinder pumps, electrical upgrades and the construction of pump station #2.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,540,513	Planning	10,000
		Eng - Design / Const	89,000
		Eng - Insp	84,000
		Eng - Other	37,000
		Construction	1,138,563
		Contingency	181,950
TOTAL	<u>\$1,540,513</u>	TOTAL	<u>\$1,540,513</u>
REPAYMENT	Rate	0.00%	
	Term	30 Years	
PROFESSIONAL SERVICES	Engineer	Prime AE	
PROJECT SCHEDULE	Bid Opening	August 1, 2025	
	Construction Start	October 1, 2025	
	Construction Stop	October 1, 2026	
DEBT PER CUSTOMER	Existing	\$37,887	
OTHER DEBT		See Attached	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	231	\$62.62 (for 4,000 gallons)
	Additional	0	\$62.62 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565) -0.1
Audited 2022	(13,214)	83,004	(96,218) -0.2
Audited 2023	178,935	83,292	95,643 2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,817	State MHI \$60,183	Percentage 79.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		57				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-086	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21159016	
BORROWER	MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY			
BRIEF DESCRIPTION				
Aging infrastructure presents a unique challenge for smaller utilities like Martin County Sanitation District. The Save A Lot Lift Station (Station) wa installed in the late 1990's and is beyond its useful life. The lift Station is currently not operational and is a constant Sanitary Sewer Overflow (SSO) that discharges into Preston Branch. The Lift Station provides sanitary service service to an approximately 15,000 sqaure foot grocery store and 15,000 square foot office space. The duplex station, associated and electrical components are envisioned to replace the sailed system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$125,000	Administrative Expenses	\$5,000	
		Eng - Design / Const	20,000	
		Construction	50,000	
		Equipment	45,000	
		Contingency	5,000	
TOTAL	\$125,000	TOTAL	\$125,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,643		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,804	State MHI \$60,183	Percentage 64.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		57				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND			Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-087 SX21159019
BORROWER		MARTIN COUNTY SANITATION DISTRICT MARTIN COUNTY		
BRIEF DESCRIPTION				
The Saltwell Lift Station (Saltwell) is a primary lift station in the sanitary system. The majority of the flows from the southern portion of the system flows through Saltwell. This lift station has had decades of improper maintenance causing it to fail. Failures in this station includes both pumps, piping failure, electrical panel failure and guide rail failure. The proposed project would replace the two 375 gallon per minute (GPM) pumps, motors, guide rails, duplex pump control panel, floats, piping and associated electrical appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$320,000	Administrative Expenses	\$10,000	
		Legal Expenses	1,000	
		Eng - Design / Const	42,250	
		Eng - Insp	20,000	
		Construction	234,300	
		Contingency	12,450	
TOTAL	\$320,000	TOTAL	\$320,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Prime AE		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 1, 2025 October 1, 2025 December 1, 2025		
DEBT PER CUSTOMER	Existing	\$2,643		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(7,634)	82,931	(90,565)	-0.1
Audited 2022	(13,214)	83,004	(96,218)	-0.2
Audited 2023	178,935	83,292	95,643	2.1

Scoring			Rubrick	Metrics		
MARTIN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,804	State MHI \$60,183	Percentage 64.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -0.09	2022 DCR -0.16	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.91	2022 APT 1.32	2023 APT 1.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.75	2022 ARD 43.19	2023 ARD 71.82
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		57				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-106 SX21089143
BORROWER		GREENUP COUNTY FISCAL COURT GREENUP COUNTY	
BRIEF DESCRIPTION As the wastewater treatment facilities move forward with plans to regionalize two package treatment plants and potential decommission problematic sewer treatment plants, Greenup Joint Sewer Agency will require some improvements to operate until final plans are made. The belt press is out of date and barely operational. It will need to be rebuilt to continue operation as options are explored as to keeping this treatment plant or moving their flow to Greenup County Environmental Commission. The motor controls throughout the plant are failing. Regardless of actions taken in the future, this plant will need to operate for the next few years. To do this and prevent bypassing or other issues, the motor controls will need to be replaced.			
PROJECT FINANCING Fund KYWWATERS Loan 			

Scoring			Rubrick	Metrics		
GREENUP COUNTY FISCAL COURT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,139	State MHI \$60,183	Percentage 78.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.86	2021 DCR 0.81	2022 DCR 0.94
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 4.71	2021 APT 2.92	2022 APT 4.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 39.36	2021 ARD 36.40	2022 ARD 31.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		57				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-011 WX21053036	
BORROWER		CITY OF ALBANY CLINTON COUNTY		
BRIEF DESCRIPTION				
The project consists of new generators at both WTP-A and WTP-B, replacement of failed turbidimeters, rehabilitation of one raw water pump, and rehabilitation of the gravity filters at WTP-B.				
The location of WTP-A and WTP-B are remote. Both plants are in close proximity to each other - within 200 yards. Both plants have separate power feeds. Both Water Treatment Plants continue to experience power reliability issues and with no backup generator at either plant this causes considerable problems given the demands on the plants and the capacity issues. These funds would be used to install two backup generators with Automatic Transfer Switches providing backup power for both WTP-A and WTP-B.				
Replace 5 failed Hach Turbidimeters and Controllers. Rehabilitating the failed raw water pump. Albany has four raw water pumps, one of which is non functional. Layne has pulled the pump and provided a report with recommended repairs. Due to 3M adhesive issues the three (3) filters at water treatment plant WTP-B are in danger of failing. This 3M adhesive issue is a known issue across the water treatment industry. S4 Water has provided a quote to correct this issue at a cost of \$64,556 per filter. There are three filters.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,410,776	Administrative Expenses	\$40,000	
		Eng - Design / Const	112,000	
		Eng - Insp	33,000	
		Construction	1,164,776	
		Contingency	61,000	
TOTAL	\$1,410,776	TOTAL	\$1,410,776	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers, INC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	January 31, 2025 March 15, 2025 August 15, 2025		
DEBT PER CUSTOMER	Existing	\$4,097		
RESIDENTIAL RATES				
	Current	Users 5,103	Avg. Bill \$34.04 (for 4,000 gallons)	
	Additional	0	\$34.04 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	372,214	345,111	27,103	1.1
Audited 2022	265,798	437,337	(171,539)	0.6
Audited 2023	986,396	334,968	651,428	2.9

Scoring			Rubrick	Metrics		
CITY OF ALBANY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$43,555	State MHI \$60,183	Percentage 72.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.08	2022 DCR 0.61	2023 DCR 2.94
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.67	2022 APT 10.18	2023 APT 13.47
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 50.23	2022 ARD 38.08	2023 ARD 66.90
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points			50% or More
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		56				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-048	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21233095	
BORROWER		PROVIDENCE WATER WORKS WEBSTER COUNTY		
BRIEF DESCRIPTION				
This project includes the construction of 10,000 LF of 12-inch SDR21 PVC transmission line from the Water Treatment Plant located at 625 Cedar Street to the McElroy water storage tanks site. This would be a dedicated transmission line, used only to fill tanks, allowing the freshest water to fill the tanks directly and improve the overall water quality for customers. The project will benefit 5,000 underserved residents, including those in the City of Providence as well as those in the community of Diamond and areas outside the city.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,990,000	Administrative Expenses	\$58,000	
		Legal Expenses	20,500	
		Planning	15,000	
		Eng - Design / Const	159,000	
		Eng - Insp	111,000	
		Construction	2,386,500	
		Contingency	240,000	
TOTAL	\$2,990,000	TOTAL	\$2,990,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$200		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,683	\$25.76 (for 4,000 gallons)	
	Additional	0	\$25.76 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	157,649	310,296	(152,647)	0.5
Audited 2021	124,367	311,048	(186,681)	0.4
Audited 2022	40,164	217,170	(177,006)	0.2

Scoring			Rubrick	Metrics		
PROVIDENCE WATER WORKS						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,101	State MHI \$60,183	Percentage 83.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.51	2021 DCR 0.40	2022 DCR 0.18
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 2.50	2021 APT 3.54	2022 APT 4.50
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 227.82	2021 ARD 226.76	2022 ARD 240.99
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		56				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Russell Neal November 7, 2024 W25-095 SX21025015
BORROWER		CITY OF JACKSON BREATHITT COUNTY	
BRIEF DESCRIPTION			
This project will include 3700 LF of 8" SDR35 PVC Gravity sewer pipe, 600 LF of 3" SDR21 PVC Force main, 1 sewer lift station, 1 upgrade to church lift station, 16 of the 4' concrete manholes, and 15 of the 20' lateral stubs.			
Since 2003, the county has experienced 20 FEMA declared disasters. Breathitt County recorded experiences of flooding and severe storms, with flooding being a major burden on the county. Due to its location, the Jackson WWTP experienced flooding during the last two floods when flood levels reached major levels of over 39 ft in 2021, and a record level of over 43 ft in 2022; presidentially declared disasters 4595 & 4663. The flood damaged and/or demolished already aged critical infrastructure, telephone, electricity, internet, businesses, bridges, housing, schools, emergency vehicles, basic roadways and displaced many residents. The City is eligible for FEMA assistance under DR4594 & DR-4663 for damages, however, the City must pay 100% of the expenses upfront and request reimbursement from FEMA for 75%. This has required the City to take on loans to rebuild the City. The damage has resulted in a significant financial strain for the City. Repairing and rebuilding infrastructures are crucial for the City's economic development and population growth. Several displaced residents of these counties have relocated due to the area's inability to build back fast enough, especially in housing.			
The City is working to rebuild 119 houses for flood survivors and other future housing. The sewer extension and lift station will provide sewer to those housing developments.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,580,000	Administrative Expenses	\$50,000
		Legal Expenses	\$25,000
		Planning	5,000
		Eng - Design / Const	110,000
		Eng - Insp	69,000
		Eng - Other	20,000
		Construction	1,183,000
		Contingency	118,000
TOTAL	\$1,580,000	TOTAL	\$1,580,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Jul-25 Sep-25 Apr-26	
DEBT PER CUSTOMER	Existing	\$5,532	
RESIDENTIAL RATES	Current Additional	<u>Users</u> 1,009 119	<u>Avg. Bill</u> \$53.38 (for 4,000 gallons) \$53.38 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	410,419	646,450	(236,031) 0.6
Audited 2022	475,222	593,476	(118,254) 0.8
Audited 2023	537,922	460,238	77,684 1.2

Scoring			Rubrick	Metrics		
CITY OF JACKSON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,238	State MHI \$60,183	Percentage 55.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.63	2022 DCR 0.80	2023 DCR 1.17
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.72	2022 APT 7.78	2023 APT 10.46
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 47.46	2022 ARD 44.54	2023 ARD 45.56
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		55				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-075 SX21019097
BORROWER		CITY OF CATLETTSBURG BOYD COUNTY	
BRIEF DESCRIPTION			
HDR will design improvements to the Catlettsburg WWTP in accordance with the approved CAP DOW-20-3-0285. Design will include Civil/Process, Electrical, and Structural disciplines.			
Specific improvements will include the following: A. Replace influent Parshall flume with new flow meter B. Modify influent splitter box, including replacement of slide gates C. Replace transfer pipes in existing treatment (Davco) units D. Modify grit chamber to reduce overflows in the unit Deliverables will include Drawings, Specifications, and Opinion of Probable Construction Cost (OPCC) for the improvements. HDR will submit project to Kentucky Division of Water (KDOW) for review and approval of construction permit. HDR will provide Bidding services to include pre-bid meeting, response to Requests for Information (RFIs) from prospective Bidders, Addenda as required, bid tabulation, bid package as required for regulatory and funding agencies, and bid recommendation. E. Construction Monitoring by Engineer F. Construction Project Administration G. Construction			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,250,000	Eng - Design / Const	1,250,000
TOTAL	\$1,250,000	TOTAL	\$1,250,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	HDR Engineering	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 15, 2025 August 15, 2025 April 1, 2026	
DEBT PER CUSTOMER	Existing	\$5,233	
RESIDENTIAL RATES			
	Current	Users 2,497	Avg. Bill \$42.51 (for 4,000 gallons)
	Additional	0	\$42.51 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	(82,270)	34,674	(116,944) -2.4
Audited 2022	95,475	34,673	60,802 2.8
Audited 2023	52,425	159,223	(106,798) 0.3

Scoring			Rubrick	Metrics		
CITY OF CATLETTSBURG						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,971	State MHI \$60,183	Percentage 66.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR -2.37	2022 DCR 2.75	2023 DCR 0.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.45	2022 APT 7.35	2023 APT 12.87
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 32.14	2022 ARD 62.62	2023 ARD 30.12
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		55				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-018	
REVOLVING LOAN / GRANT FUND		WRIS Number	KYP000034 & KY0107786	
BORROWER		PERRY COUNTY SANITATION DISTRICT PERRY COUNTY		
BRIEF DESCRIPTION				
The Perry County Sanitation District will use the funds to pay off the USDA Rural Development loan #92-02 in the amount of \$86,500.00 and for KIA loan #A12-28 in the amount of \$1,194,039.83.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$ 1,280,539.83	Other - Debt Relief	\$ 1,280,539.83	
TOTAL	\$ 1,280,539.83	TOTAL	\$ 1,280,539.83	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	NA		
PROJECT SCHEDULE	Bid Opening	January 15, 2025		
	Construction Start	January 15, 2025		
	Construction Stop	April 15, 2025		
DEBT PER CUSTOMER	Existing	\$2,327		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	556	\$39.00 (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
Financial Statement 2020	49,936	53,669	(3,733)	0.9
Financial Statement 2021	34,042	114,008	(79,966)	0.3
Financial Statement 2022	16,606	36,610	(20,004)	0.5
Finanical Statement 2023	(28,215)	35,416	(63,631)	-0.8

Scoring			Rubrick	Metrics		
PERRY COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,583	State MHI \$60,183	Percentage 70.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.93	2021 DCR 0.30	2022 DCR 0.45
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2020 APT 0.00	2021 APT 0.00	2022 APT 0.00
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 58.98	2021 ARD 87.23	2022 ARD 99.03
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		55				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Milward Dedman November 7, 2024 W25-016 SX21063010	
BORROWER		CITY OF SANDY HOOK ELLIOTT COUNTY		
BRIEF DESCRIPTION Sandy Hook Sewer System I/I Remediation. This application seeks funding for completion of rehab of the existing Sandy Hook wastewater collection system. This is necessary to eliminate overflows within the collection system lines, pump stations. It should be noted Sandy Hook has a separate project, now fully funded (By ARC and the State Finance Cabinet) for "equipment replacement " at the Sandy Hook Wastewater Treatment Plant. During heavy rain events, the flows within the collection system ramp up to sometimes 4-5 times the normal dry weather flows. This taxes the capacity of the existing collection system and lift stations.				
PROJECT FINANCING Fund KYWWATERS Loan\$916,000		PROJECT BUDGET Administrative Expenses\$14,000 Planning5,000 Eng - Design / Const58,000 Eng - Insp41,000 Eng - Other75,000 Construction657,000 Contingency66,000		
TOTAL\$916,000		TOTAL\$916,000		
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	E. L. Robinson Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 30,2025 Sep-25 Mar-26		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES				
	Current	Users245	Avg. Bill\$24.00 (for 4,000 gallons)	
	Additional	0	\$24.00 (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 2021	(57,702)	0	(57,702)	n/a
Audited 2023	16,496	0	16,496	n/a

Scoring			Rubrick	Metrics		
CITY OF SANDY HOOK						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$21,846	State MHI \$60,183	Percentage 36.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR NA	2023 DCR NA	2024 DCR NA
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.69	2023 APT 5.95	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 43.86	2023 ARD 36.42	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		54				

EXECUTIVE SUMMARY		Reviewer	John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024
KY WWATERS FUND		KIA Loan Number	W25-070
REVOLVING LOAN / GRANT FUND		WRIS Number	Financial assistance,
BORROWER		SOUTHERN WATER AND SEWER DISTRICT FLOYD COUNTY	
BRIEF DESCRIPTION Southern Water and Sewer District is seeking debt service forgiveness to reduce the repayment burden of loans from the Kentucky Infrastructure Authority (KIA), USDA and incurred past service debts (City of Pikeville current past due of \$55,751.94), Hayes Pipe (\$20,397.65), Hendrickson Enterprises LLC (\$20,377.04), CITCO Water (\$14,042.00). This financial assistance will enable the district to better allocate resources, enhance service delivery, and address urgent infrastructure needs. By easing the financial strain, Southern Water and Sewer District can focus on making necessary repairs and improvements to its water and sewer systems, ensuring safe and reliable services for all customers. This support is essential for strengthening community resilience and supporting sustainable development.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$4,584,241	Other	4,584,241
TOTAL	\$4,584,241	TOTAL	\$4,584,241
REPAYMENT	Rate	0.00%	
	Term	30 Years	
PROFESSIONAL SERVICES	Engineer	N/A	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop		
DEBT PER CUSTOMER	Existing	\$759	
OTHER DEBT		See Attached	
RESIDENTIAL RATES			
		<u>Users</u>	<u>Avg. Bill</u>
	Current	5,410	\$24.40 (for 4,000 gallons)
	Additional	0	\$24.40 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2020	1,256,257	938,326	317,931 1.3
Audited 2021	1,336,501	764,691	571,810 1.7
Audited 2022	1,079,826	805,879	273,947 1.3

Scoring			Rubrick	Metrics		
SOUTHERN WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,782	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.75	2022 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.81	2021 APT 0.00	2022 APT 4.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 126.76	2021 ARD 146.12	2022 ARD 131.33
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		53				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-070 WX21071013	
BORROWER		SOUTHERN WATER AND SEWER DISTRICT FLOYD COUNTY		
BRIEF DESCRIPTION				
This Project will replace aging/deteriorated, improperly installed and inappropriate type of waterlines and customer services that are sources of continuing water loss problems due to breakage or failure, this project will help reduce the District's high percentage of water loss, for which KY PSC has cited the District. Areas to be replaced are: Biggs Branch 3", (10,600') Customers – 50 = \$229,000.00; Akers Branch 3", (2,200') Customers – 6 = \$41,400.00; Keathley Fork 4", (6,400') Customers – 15 = \$123,000.00; Cager Branch 3", (2,700') Customers – 10 = \$54,000.00; Left Fork of Toler 3", (15,900') Customers – 60 = \$322,000.00; Meade Branch 3", (1,100') 3", Customers – 8 = \$27,000.00; Tan Yard 3", (3,200') Customers – 20 = \$76,000.00; Tinker Fork 3", (10,600') Customers – 50 = \$229,000.00; Rolling Stone Branch 3", (1,600') Customers – 10 = \$38,000.00; Muddy Gut 4" ,(2,900') Customers – 20 = \$74,400.00; Andy Branch 3", (1,200') Customers – 12 = \$34,800.00; Smokey Branch 3", (3,500') Customers – 15 = \$73,500.00; River Road 4", (1,500') Customers - 25 = \$210,732.00.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,234,390	Administrative Expenses	\$47,390	
		Legal Expenses	15,000	
		Land, Easements	10,000	
		Eng - Design / Const	191,250	
		Eng - Insp	165,750	
		Construction	2,550,000	
		Contingency	255,000	
TOTAL	\$3,234,390	TOTAL	\$3,234,390	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing	\$759		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	5,410	\$43.16 (for 4,000 gallons)	
	Additional	0	\$43.16 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,256,257	938,326	317,931	1.3
Audited 2021	1,336,501	764,691	571,810	1.7
Audited 2022	1,079,826	805,879	273,947	1.3

Scoring			Rubrick	Metrics		
SOUTHERN WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,782	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.75	2022 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.81	2021 APT 0.00	2022 APT 4.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 126.76	2021 ARD 146.12	2022 ARD 131.33
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		53				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-070 WX21071021	
BORROWER		SOUTHERN WATER AND SEWER DISTRICT FLOYD COUNTY		
BRIEF DESCRIPTION				
Southern Water & Sewer District proposes to replace the Brush Creek tank, the existing tank has had numerous leakage problems in the last 2 years. Repairs to leaks were just completed but are anticipated to only be temporary in nature. These leaks contribute to SW&SD's water loss and loss of storage in the distribution system. A static mixing system shall be installed to assist in DBP production. Project will include SCADA and installation of security system.The existing tank is 50,000 gallons to be replaced with an 80,000 gallon tank.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$843,500	Administrative Expenses	\$7,500	
		Land, Easements	15,000	
		Eng - Design / Const	60,000	
		Eng - Insp	46,000	
		Eng - Other	50,000	
		Equipment	550,000	
		Contingency	65,000	
TOTAL	\$843,500	TOTAL	\$793,500	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing		\$759	
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	5,410	\$43.16 (for 4,000 gallons)	
	Additional	0	\$43.16 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,256,257	938,326	317,931	1.3
Audited 2021	1,336,501	764,691	571,810	1.7
Audited 2022	1,079,826	805,879	273,947	1.3

Scoring			Rubrick	Metrics		
SOUTHERN WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,782	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.75	2022 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.81	2021 APT 0.00	2022 APT 4.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 126.76	2021 ARD 146.12	2022 ARD 131.33
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		53				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-132 WX21133016
BORROWER		LETCHER COUNTY WATER AND SEWER DISTRICT LETCHER COUNTY	
BRIEF DESCRIPTION The proposed project will involve the installation of approximately 10,000 LF of 6-inch water main, 3,000 LF of 3-Inch water main, a 150 gpm booster pump station, a 100,000 gallon ground storage water tank, a regional interconnect with BMUD, and 100 residential meter settings. The project will provide approximately 100 residents in the HWY 510 / Gordon area with first-time access to public water. The project will also provide the the infrastructure needed to extend water service to an additional 150 residents in subsequent projects. LCWSD will rely on a regional interconnect with BMUD for source water. The project should reduce the local populations reliance one on wells and cisterns to support domestic activities and as a result, improve human health in by limiting public exposure to contaminated ground water. In addition, the project will provide critical infrastructure needed to foster economic growth in the region.			
PROJECT FINANCING Fund KYWWATERS Loan\$4,353,000		PROJECT BUDGET Administrative Expenses\$40,000 Legal Expenses15,000 Land, Easements30,000 Eng - Design / Const289,000 Eng - Insp168,000 Eng - Other10,000 Construction3,291,000 Contingency300,000 Other210,000 TOTAL\$4,353,000	
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Procurement In-Progress	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 12, 2025 August 15, 2024 December 31, 2025	
DEBT PER CUSTOMER	Existing	\$676	
RESIDENTIAL RATES			
	Current Additional	Users 2,922 0	Avg. Bill \$53.16 (for 4,000 gallons) \$53.16 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2020	215,695	164,460	51,2351.3
Audited 2021	144,312	164,659	(20,347)0.9
Audited 2022	105,654	92,772	12,8821.1

Scoring			Rubrick	Metrics		
LETCHER COUNTY WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,852	State MHI \$60,183	Percentage 66.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.31	2021 DCR 0.88	2022 DCR 1.14
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 8.97	2021 APT 9.84	2022 APT 10.56
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 45.13	2021 ARD 39.68	2022 ARD 45.31
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	0	if yes, 10 points	No		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		53				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-099 WX21165034	
BORROWER		CAVE RUN WATER COMMISSION MENIFEE COUNTY		
BRIEF DESCRIPTION				
The Cave Run Water Commission is undertaking a comprehensive rehabilitation and expansion of its existing 2.0 million gallons per day (MGD) Water Treatment Plant (WTP) to ensure a reliable and sustainable water supply for the communities it serves. The project will be completed in multiple phases, focusing on both immediate and long-term needs to accommodate growing water demand and regulatory requirements.				
Phase 1: Preliminary Planning and Design				
1) Conduct a Water Allocation Study in collaboration with the U.S. Army Corps of Engineers (USACE) to determine the feasibility of increasing raw water withdrawal from Cave Run Lake. 2) Perform a Feasibility Study to evaluate the current plant's capacity and infrastructure needs. The study will identify necessary improvements, which may include: Construction of new or upgraded components for the Water Treatment Plant; Additional raw water intake structures to support increased withdrawal capacity; Upgrades to raw water transmission lines; Construction of new water storage tanks to enhance storage capacity; and Extension of finished water transmission lines from the WTP to new or existing storage facilities. 3) Develop detailed engineering designs and obtain necessary permits and regulatory approvals to advance to the construction phase.				
Phase 2: Design and Engineering				
Based on the outcomes of Phase 1, finalize detailed engineering plans and specifications for all infrastructure components. Secure all required environmental and regulatory clearances to proceed with construction.				
Phase 3: Construction and Commissioning				
Implement the construction and upgrade activities as outlined in the design phase, ensuring minimal disruption to current water services. Test and commission the expanded WTP and associated infrastructure to confirm compliance with capacity, water quality, and regulatory standards.				
This project is requesting \$1,000,000 from WWATERS for preliminary planning and design.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,000,000	Legal Expenses	50,000	
		Land, Easements	385,000	
		Planning	15,000	
		Eng - Other	350,000	
		Contingency	100,000	
		Other	100,000	
TOTAL	\$1,000,000	TOTAL	\$1,000,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	February 1, 2027		
	Construction Start	March 1, 2027		
	Construction Stop	December 31, 2028		
DEBT PER CUSTOMER	Existing	\$1,296,728		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3	\$11.60 (for 4,000 gallons)	
	Additional	0	\$11.60 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	420,448	191,623	228,825	2.2
Audited 2021	315,372	207,957	107,415	1.5
Audited 2022	200,036	207,737	(7,701)	1.0

Scoring			Rubrick	Metrics		
CAVE RUN WATER COMMISSION						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$46,939	State MHI \$60,183	Percentage 78.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 2.19	2021 DCR 1.52	2022 DCR 0.96
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 5.97	2021 APT 7.10	2022 APT 3.70
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 42.62	2021 ARD 37.26	2022 ARD 40.55
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	10	if yes, 10 points			Yes
12	Regionalization, consolidation, or partnerships	10	if yes, 10 points			Yes
		53				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	WD-052	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21139023	
BORROWER	CITY OF SMITHLAND LIVINGSTON COUNTY			
BRIEF DESCRIPTION				
This project will construct a new 0.3 MGD Wastewater Treatment Plant (WWTP) to serve the City of Smithland and surrounding area. The project will include planning, design, funding assistance, construction services, and resident project representation. The proposed plant will be of a modular "package" plant design with full redundancy and peak flow pumping capability.				
The project will include influent screening, aeration, clarification, PAA disinfection, sludge return, and effluent pumping.				
This project is needed in order to comply with an Agreed Order that has frequently been violated. This Agreed Order has manifested into a Consent Judgement and must be addressed. The project will address chronic maintenance and operation issues, unreported and unpermitted bypasses, significant and ongoing effluent limit exceedances, failure to follow correct sampling and testing procedures, numerous failures to monitor and report, and failing to secure access to the WWTP. This project will also take existing facultative lagoon treatment pond out of service which is the ultimate desire of the Division of Water and Division of Enforcement.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,600,000	Planning	20,000	
		Eng - Design / Const	330,000	
		Eng - Insp	220,000	
		Eng - Other	30,000	
		Construction	5,000,000	
TOTAL	\$5,600,000	TOTAL	\$5,600,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening	September 30, 2025		
	Construction Start	October 15, 2025		
	Construction Stop	November 30, 2027		
DEBT PER CUSTOMER	Existing	\$351		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	180	\$54.71 (for 4,000 gallons)	
	Additional	0	\$54.71 (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
INT P&L 2022	27,796	3,872	23,925	7.2
INT P&L 2023	(5,201)	3,877	(9,078)	-1.3
INT P&L 2024	(26,703)	3,877	(30,580)	-6.9

Scoring			Rubrick	Metrics		
CITY OF SMITHLAND						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$63,829	State MHI \$60,183	Percentage 106.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2022 DCR 7.18	2023 DCR -1.34	2024 DCR -6.89
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		52				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-100 WX21165017
BORROWER		CITY OF FRENCHBUG MENIFEE COUNTY	
BRIEF DESCRIPTION			
The proposed project to extend the City of Frenchburg Water System involves installing approximately 5,000 linear feet (LF) of 3-inch PVC water main. The extension will run down HWY 1274, along Ridge Road, and Ridge Runner Road, crossing under HWY 1274 to reach Mountain Ridge and Ridge Runner Road. This project aims to provide potable drinking water to approximately 13 new customer service connections, which currently do not have access to a potable water source.			
The project will increase the serviceable households of the City of Frenchburg by approximately 2%, expanding the system's coverage to more areas within Menifee and Bath Counties. Additionally, the project includes installing four blow-off hydrants along Mountain Ridge Road and Ridge Runner Road to ensure adequate water quality and maintenance capabilities.			
Overall, this extension project will enhance the City of Frenchburg's water distribution network, providing critical infrastructure improvements to serve the needs of new customers.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$452,400	Administrative Expenses	\$9,400
		Eng - Design / Const	38,000
		Eng - Insp	29,000
		Construction	341,000
		Contingency	35,000
TOTAL	\$452,400	TOTAL	\$452,400
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 20, 2025 July 1, 2025 December 31, 2025	
DEBT PER CUSTOMER	Existing	\$403	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	3,004	\$32.83 (for 4,000 gallons)
	Additional	0	\$32.83 (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
Unaudited FS 2020	255,326	107,022	148,304 2.4
Audited 2021	35,955	102,974	(67,019) 0.3
Unaudited FS 2022	181,270	101,907	79,364 1.8

Scoring			Rubrick	Metrics		
CITY OF FRENCHBUG						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$43,567	State MHI \$60,183	Percentage 72.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 2.39	2021 DCR 0.35	2022 DCR 1.78
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT N/A	2021 APT 17.21	2022 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD N/A	2021 ARD 47.69	2022 ARD N/A
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		51				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-002	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21137065	
BORROWER	MCKINNEY WATER DISTRICT LINCOLN COUNTY			
BRIEF DESCRIPTION				
The McKinney Water District is undertaking a project to develop, correct and improve the existing water system. The District is and has been experiencing a recurring water loss problem for many years. The existing system is aging and much of the system has been built by others in a manner that does not lend itself to longevity. The District will develop a project to include the following: 1) Upgrade the existing customer meters in the system to an automated reading system. 2) Develop and install a master check meter system to identify areas with water leak trouble to help eliminate leaks both now and continuing into the future. 3) Develop and implement a plan to repair known trouble areas for both water mains and service lines that shows to be constantly leak prone. 4) Replace inoperable main valves, service lines, and meter setters in areas of high water loss. The McKinney Water District is and has been suffering with a high water loss for many years. The water loss is near of above the 30% level on a recurring and continuing bases. The PSC has issued a notice to the District to get the water loss down to below 15%. The area served by the District is a very low income area of Lincoln County with low to moderate income level of near 65%. The District has difficulty raising enough funds to implement a project to improve and repair the existing system from rates.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,207,048	Administrative Expenses	\$50,000	
ARC	500,000	Legal Expenses	20,000	
Surcharge	285,000	Eng - Design / Const	105,000	
		Eng - Insp	45,000	
		Construction	1,100,000	
		Equipment	30,000	
		Contingency	110,000	
		Other	532,048	
TOTAL	\$1,992,048	TOTAL	\$1,992,048	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	AGE Engineering Services		
PROJECT SCHEDULE	Bid Opening	September 1, 2025		
	Construction Start	January 1, 2026		
	Construction Stop	August 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,703		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,912	\$44.88 (for 4,000 gallons)	
	Additional	0	\$44.88 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	21,838	120,672	(98,834)	0.2
Audited 2022	74,590	27,852	46,738	2.7
Audited 2023	94,820	66,116	28,704	1.4

Scoring			Rubrick	Metrics		
MCKINNEY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,284	State MHI \$60,183	Percentage 81.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.18	2022 DCR 2.68	2023 DCR 1.43
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 11.64	2022 APT 11.37	2023 APT 12.41
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 26.88	2022 ARD 27.80	2023 ARD 32.24
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		50				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-064 WX21017014	
BORROWER		CITY OF PARIS BOURBON COUNTY		
BRIEF DESCRIPTION				
This project will replace aging infrastructure including faulty valves and a 1200 LF section of cast iron water line that has reached the end of its useful life and is experiencing frequent breaks and failures. The replacement line will be 6" DIP. This project will also replace approximately 25 to 35 water valves of various sizes chosen strategically throughout the city's system to allow for improved operation and ability to isolate sections of line in case of maintenance or emergency. Lastly, the project will include the development of a hydraulic model to help the City of Paris better understand, analyze, and optimize system performance.				
Replace aging and inoperable water infrastructure in order to better serve the public in the City of Paris. The line to be replaced has required repair at least once per year over the past 8 years, with one failure resulting in water loss of approximately 3.6 million gallons. Due to inoperable valves, the City is currently unable to utilize one of their water storage tanks, which eliminates redundancy in their system and places the community at a higher level of risk. Completion of the hydraulic model will allow the City to intelligently plan for capital improvements and more accurately evaluate new development and opportunities for economic growth.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,375,000	Administrative Expenses	\$25,000	
		Legal Expenses	5,000	
		Relocation Expense & Payments	30,000	
		Planning	80,000	
		Eng - Design / Const	83,000	
		Construction	1,050,000	
		Contingency	102,000	
TOTAL	\$1,375,000	TOTAL	\$1,375,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	November 21, 2025 February 1, 2026 August 1, 2026		
DEBT PER CUSTOMER	Existing	\$784		
RESIDENTIAL RATES				
	Current	Users 5,244	Avg. Bill N/A (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	346,039	388,766	(42,727)	0.9
Audited 2022	458,705	208,656	250,049	2.2
Audited 2023	1,233,084	212,063	1,021,021	5.8

Scoring			Rubrick	Metrics		
CITY OF PARIS						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,231	State MHI \$60,183	Percentage 83.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.89	2022 DCR 2.20	2023 DCR 5.81
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.29	2022 APT 2.23	2023 APT 1.70
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 105.45	2022 ARD 85.72	2023 ARD 56.77
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		50				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-134 WX21133038	
BORROWER		CITY OF FLEMING-NEON LETCHER COUNTY		
BRIEF DESCRIPTION				
In order to combat high water loss due to aging water lines, the City of Fleming Neon is planning to replace and modernize their water system. When the original system was created, GIS mapping was not available and data and information as to locations, line size and material have been lost over the years, making it almost impossible to detect or prevent breaks.				
Phase 3 will include 14,500 LF of 6" PVC waterline, 12,000 LF of 3" PVC waterline, 6 each of the 6" D.I.M.J. gate valve and box, 6 each of the 3" D.I.M.J. gate valve and box, 6 each flushing hydrant assembly, type 1 and 10 each flushing hydrant assembly, type 3. It also includes 240 each of the 5/8" X 3/4" tandem setter tub w/ IPRV, 240 sensus meters with radio read, 12,000 LF of 3/4" PE service line, 3 air relief valves, 2 of the 8" directional drills, 1 of the 6" directional drills, 2 creek crossing leak detection assembly, 150 LF of HWY X-ing Bore and Jack 12.75" STL casing w. carrier pipe, 1 master meter & Vault and 8 waterline markers.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,592,000	Administrative Expenses	\$50,000	
		Legal Expenses	5,000	
		Planning	5,000	
		Eng - Design / Const	227,000	
		Eng - Insp	125,000	
		Eng - Other	10,000	
		Construction	2,882,620	
		Contingency	287,380	
TOTAL	\$3,592,000	TOTAL	\$3,592,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening	July 20, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,223		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	993	\$50.78 (for 4,000 gallons)	
	Additional	0	\$50.78 (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 2020	117,490	115,656	1,834	1.0
Audited 2021	45,729	390,483	(344,754)	0.1

Scoring			Rubrick	Metrics		
CITY OF FLEMING-NEON						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,510	State MHI \$60,183	Percentage 88.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.02	2021 DCR 0.12	2023 DCR 0.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 4.72	2021 APT 2.42	2023 APT 15.70
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 38.96	2021 ARD 39.30	2023 ARD 32.14
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		50				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-152	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21095025	
BORROWER		CAWOOD WATER DISTRICT HARLAN COUNTY		
BRIEF DESCRIPTION				
The Cawood Water District's water treatment plant (wtp) was originally constructed in 1991 (33 years ago) with an additional treatment train added in 1997 (27 years ago). Many of the components of the wtp are still original, are beginning to breakdown and are no longer being manufactured. Plus the metal treatment basins are in dire need of refurbishing with failing coatings and pitting of the underlying metal. In short it is time for a complete refurbishing of the wtp.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,823,000	Administrative Expenses	\$30,000	
		Legal Expenses	5,000	
		Eng - Design / Const	120,000	
		Eng - Insp	74,000	
		Eng - Other	10,000	
		Construction	1,440,000	
		Contingency	144,000	
TOTAL	\$1,823,000	TOTAL	\$1,823,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	June 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,050		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
		1,846	\$0.00 (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	38,886	119,240	(80,354)	0.3
Audited 2020	67,566	119,782	(52,216)	0.6
Audited 2021	333,723	217,182	116,541	1.5
Audited 2022	212,475	112,922	99,553	1.9
Compilation Statement 2023	121,795	113,330	8,465	1.1

Scoring			Rubrick	Metrics		
CAWOOD WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$31,825	State MHI \$60,183	Percentage 52.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.33	2020 DCR 0.56	2021 DCR 1.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 0.00	2020 APT 0.00	2021 APT 12.87
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 49.22	2020 ARD 63.34	2021 ARD 46.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		49				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-092 SX21025017	
BORROWER		CITY OF JACKSON BREATHITT COUNTY		
BRIEF DESCRIPTION The City proposes to construct a new wastewater treatment plant (WWTP) in a different location with modern equipment and a more efficient process. Looking to build a 1 million gallon per day plant. Funding will be used to construct a new WWTP, with a lift station, a force main, gravity collection system and a backup generator. Also, the engineering company will decommission the existing plant once the new one is constructed. Other related costs will budget for administration fees, legal fees, land, appraisals, easements, and environmental/Geological reports. Engineering costs will consist of a Preliminary Engineering Report, facilities plan update, design, contract administration, resident observation, permitting, and study assistance (Geotechnical, Environmental, etc.). Since 2003, the county has experienced 20 FEMA declared disasters. Breathitt County recorded experiences of flooding and severe storms, with flooding being a major burden on the county. Due to its location, the Jackson WWTP experienced flooding during the last two floods when flood levels reached major levels of over 39 ft in 2021, and a record level of over 43 ft in 2022; presidentially declared disasters 4595 & 4663. The facility & equipment suffered damage in the past two floods that recorded over \$61,000. The City of Jackson initiated the idea to move the WWTP to prevent further damage and upgrade mitigation measures for future disasters. In addition, the project will obtain a backup generator that will assist the plant to be more resilient in a disaster. Without electricity, sewage will go to the holding tank awaiting processing. If the plant becomes full, the City will have no alternative but to shut of services. This is a severe problem regarding shutting services off to hospitals, schools, nursing homes, etc. to our vulnerable population. The project will update its infrastructure and equipment which will effectively reduce the risk of KPDES permit violations that affect the health of the community. Relocating the plant out of the floodplain will reduce the risk of future damage due to flooding events. It will also build resiliency by protecting critical infrastructure. The project will also provide a backup generator that will allow the plant to process waste instead of risking the overflow of the storage tank resulting in the City shutting off sewer services during a longer power outage. This will increase land value for those residents and prevent sewer odor from hindering future economic development. It will also provide the much needed capacity to add on 119 housing developments for flood survivors.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$10,900,000	Administrative Expenses	\$150,000	
Funding Source 2	13,000,000	Legal Expenses	15,000	
		Land, Easements	1,185,000	
		Relocation Expense & Payments	202,000	
		Eng - Design / Const	1,459,000	
		Eng - Insp	815,000	
		Eng - Other	428,000	
		Construction	17,816,000	
		Contingency	1,830,000	
TOTAL	\$23,900,000	TOTAL	\$23,900,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 30, 2025 September 30, 2025 April 30, 2026		
DEBT PER CUSTOMER	Existing	\$4,611		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,009	\$53.38 (for 4,000 gallons)	
	Additional	119	\$53.38 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	595,415	646,450	(51,035)	0.9
Audited 2022	377,919	593,456	(215,537)	0.6
Audited 2023	393,334	460,238	(66,904)	0.9

Scoring			Rubrick	Metrics		
CITY OF JACKSON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,238	State MHI \$60,183	Percentage 55.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.92	2022 DCR 0.64	2023 DCR 0.85
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.72	2022 APT 7.78	2023 APT 10.46
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 47.46	2022 ARD 46.39	2023 ARD 45.56
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		49				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-121 WX21075019
BORROWER		CITY OF FULTON FULTON COUNTY	
BRIEF DESCRIPTION			
Over the last two years, the City of Fulton has proactively been taking steps to address utility problems and to identify the needs to have resilient infrastructure for the community. In 2024, the City was awarded a Delta Regional Authority (DRA) Strategic Planning Grant to develop a Comprehensive Water Management Plan and to perform a Utility Rate Study and Water Modeling Study to identify the needs of the utility systems. This study will be completed in the summer of 2025. Prior to this study, the City contracted Reveal Underground Services to conduct a leak detection study of the water system. This resulted in identifying numerous significant leaks at meter locations and within the water lines. The city water loss data indicates the percentage of loss rising each year since 2021 and currently is over 41%. This loss is costing the City approximately \$153,247.41 annually. This project is divided into two phases due to the overall cost for each area. See attached map. Phase one (1) of this project will replace approximately 1,300 feet of 1-inch galvanized pipe, 5,250 feet of 4-inch, and 19,285 feet of 6-inch Cast iron pipe. The total number of customers served with the replacement of water meter settings within this corridor of the project scope is 307. The City of Fulton has 1700 customers district wide that are dependent on the municipal water system. Fulton is classified as an economic and historically disadvantaged community without the funds to repair and replace the current system. It also has a Median Household Income as identified in Census Data of 2022 of \$33,090. This falls 45% below the State Median Income of \$59,341. Many of the water and service lines in the project area consist of lead pipes exposing these families to the dangers of lead-based hazards. This project will help bring the city into compliance with U.S. Environmental Protection Agency (EPA) ruling (40 CFR § 141.84) by replacing lead service lines located as part of this project. This project will also resolve the City's extensive water loss, improve quality of life for end-users, provide improved fire protection with placement of new fire hydrants, increase reliability of service, and improve overall water quality.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$3,469,682	Administrative Expenses	\$1,000
		Eng - Design / Const	222,902
		Eng - Insp	123,492
		Eng - Other	35,000
		Construction	3,087,288
TOTAL	\$3,469,682	TOTAL	\$3,469,682
REPAYMENT	Rate	0.00%	
	Term	30 Years	
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening	May 25, 2025	
	Construction Start	June 1, 2025	
	Construction Stop	June 30, 2026	
DEBT PER CUSTOMER	Existing	\$3,579	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	1,693	\$35.09 (for 4,000 gallons)
	Additional	0	\$35.09 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2020	522,475	390,299	132,176 1.3
Audited 2021	698,397	422,726	275,671 1.7
Audited 2022	508,562	381,334	127,228 1.3

Scoring			Rubrick	Metrics		
CITY OF FULTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,446	State MHI \$60,183	Percentage 58.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.65	2022 DCR 1.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.44	2021 APT 2.86	2022 APT 7.61
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 36.70	2021 ARD 33.40	2022 ARD 33.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		49				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-122 WX21075021	
BORROWER	CITY OF FULTON FULTON COUNTY			
BRIEF DESCRIPTION				
Over the last two years, the City of Fulton has proactively been taking steps to address utility problems and to identify the needs to have resilient infrastructure for the community. In 2024, the City was awarded a Delta Regional Authority (DRA) Strategic Planning Grant to develop a Comprehensive Water Management Plan and to perform a Utility Rate Study and Water Modeling Study to identify the needs of the utility systems. This study will be completed in the summer of 2025. Prior to this study, the City contracted Reveal Underground Services to conduct a leak detection study of the water system. This resulted in identifying numerous significant leaks at meter locations and within the water lines. The city water loss data indicates the percentage of loss rising each year since 2021 and currently is over 41%. This loss is costing the City approximately \$153,247.41 annually.				
This project is divided into two phases due to the overall cost for each area. See attached map. Phase two (2 of this project will replace approximately 610 feet of 1-inch galvanized pipe, 5,642 feet of 4-inch and 12,970 feet of 6-inch Cast Iron pipe. The total number of customers served that will have water meter settings replaced within this corridor of the project scope is 191.				
The City of Fulton has 1700 customers district wide that are dependent on the municipal water system. Fulton is classified as an economic and historically disadvantaged community without the funds to repair and replace the current system. It also has a Median Household Income as identified in Census Data of 2022 of \$33,090. This falls 45% below the State Median Income of \$59,341. Many of the water and service lines in the project area consist of lead pipes exposing these families to the dangers of lead-based hazards. This project will help bring the city into compliance with U.S. Environmental Protection Agency (EPA) ruling (40 CFR § 141.84) by replacing lead service lines located as part of this project. This project will also resolve the City's extensive water loss, improve quality of life for end-users,provide improved fire protection with placement of new fire hydrants, increase reliability of service, and improve overall water quality.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,751,038	Administrative Expenses	\$1,000	
		Eng - Design / Const	185,034	
		Eng - Insp	111,262	
		Eng - Other	35,000	
		Construction	2,418,742	
TOTAL	\$2,751,038	TOTAL	\$2,751,038	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 25, 2025 June 1, 2025 June 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,579		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,693	\$35.09 (for 4,000 gallons)	
	Additional	0	\$35.09 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	522,475	390,299	132,176	1.3
Audited 2021	698,397	422,726	275,671	1.7
Audited 2022	508,562	381,334	127,228	1.3

Scoring			Rubrick	Metrics		
CITY OF FULTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,446	State MHI \$60,183	Percentage 58.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.34	2021 DCR 1.65	2022 DCR 1.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.44	2021 APT 2.86	2022 APT 7.61
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 36.70	2021 ARD 33.40	2022 ARD 33.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		49				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-078	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21159017	
BORROWER		MARTIN COUNTY WATER DISTRICT MARTIN COUNTY		
BRIEF DESCRIPTION				
1) Replacement of Treatment Unit No. 2's Sludge Collector Drive, 2) An additional 20-Foot Section of the 10-inch DR 11 HDPE 4710 Pipe and an additional 20-Foot Section of 12" DR11 HDPE Pipe, 3) Paving of the Access Road at the Raw Water Intake Site, 4) Replacement of Carbon Steel Tube Settler Supports with 304/304L Stainless Steel Supports, 5) 60-Foot and 20-Foot Sections of 10-inch DR11 HDPE 4710 Flanged Pipe, 6) A second Pump Trailer, 7) Various Unit Price items, 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,563,852	Administrative Expenses	\$72,000	
		Legal Expenses	5,000	
		Planning	5,000	
		Eng - Design / Const	75,429	
		Eng - Insp	131,763	
		Construction	1,922,148	
		Contingency	352,512	
TOTAL	\$2,563,852	TOTAL	\$2,563,852	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 15, 2022		
	Construction Start	October 15, 2022		
	Construction Stop	October 15, 2023		
DEBT PER CUSTOMER	Existing	\$2,776		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	0	if yes, 10 points	No		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		49				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-079	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21159023	
BORROWER		MARTIN COUNTY WATER DISTRICT MARTIN COUNTY		
BRIEF DESCRIPTION				
In an effort to upgrade the system, improve service to its customers and reduce the water loss of the system, the District intends to undertake the Coldwater Improvement Project. The project will replace approximately 39,600 linear feet of existing 3-inch through 12- inch waterline with C-900 waterline. As part of the process, new service line will be installed and a new water meter will be set for approximately 240 customers. This will also aid the District in replacing its aged water meters in its system. The project received a \$5,000,000 Congressional Earmark to assist with this project.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,410,000	Administrative Expenses	\$50,000	
Congressional Earmark	5,000,000	Legal Expenses	30,000	
		Land, Easements	25,000	
		Planning	119,500	
		Eng - Design / Const	362,000	
		Eng - Insp	201,500	
		Eng - Other	86,000	
		Construction	6,036,000	
		Contingency	1,500,000	
TOTAL	\$8,410,000	TOTAL	\$8,410,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	October 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,776		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	0	if yes, 10 points	No		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		49				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-080 WX21159024	
BORROWER		MARTIN COUNTY WATER DISTRICT MARTIN COUNTY		
BRIEF DESCRIPTION				
In an effort to upgrade the system, improve service to its customers and reduce water loss, the District intends to undertake the Old Route 3- Water Improvement Project. The project will install approximately 24,500 linear feet of 3-ince through 6-inch waterline, 52 mainline water valves, 1 hydropneumatic booster pumping station, 1 master meter for use in detecting and replace 110 meter settings and the associated service line in the Old Route 3 area of Martin County.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,066,000	Administrative Expenses	\$50,000	
		Land, Easements	20,000	
		Planning	107,000	
		Eng - Design / Const	227,000	
		Eng - Insp	137,000	
		Eng - Other	71,000	
		Construction	3,563,000	
		Contingency	891,000	
TOTAL	\$5,066,000	TOTAL	\$5,066,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 1, 2025 October 1, 2025 October 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,776		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,311	\$62.62 (for 4,000 gallons)	
	Additional	0	\$62.62 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	51,503	215,333	(163,830)	0.2
Audited 2022	215,939	222,822	(6,883)	1.0
Audited 2023	162,597	253,190	(90,593)	0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	0	if yes, 10 points	No		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		49				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-077 WX21159027
BORROWER		MARTIN COUNTY WATER DISTRICT MARTIN COUNTY	
BRIEF DESCRIPTION			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$5,000,000	Administrative Expenses	\$50,000
		Legal Expenses	10,000
		Land, Easements	10,000
		Planning	75,000
		Eng - Design / Const	249,000
		Eng - Insp	148,000
		Eng - Other	28,000
		Construction	3,985,000
		Contingency	445,000
TOTAL	\$5,000,000	TOTAL	\$5,000,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Bell Engineering, Inc.	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 1, 2025 August 1, 2025 May 1, 2026	
DEBT PER CUSTOMER	Existing	\$2,813	
OTHER DEBT		See Attached	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	3,267	\$62.62 (for 4,000 gallons)
	Additional	0	\$62.62 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	51,503	215,333	(163,830) 0.2
Audited 2022	215,939	222,822	(6,883) 1.0
Audited 2023	162,597	253,190	(90,593) 0.6

Scoring			Rubrick	Metrics		
MARTIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,903	State MHI \$60,183	Percentage 71.3%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.24	2022 DCR 0.97	2023 DCR 0.64
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.60	2022 APT 7.36	2023 APT 6.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.60	2022 ARD 38.72	2023 ARD 38.40
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	0	if yes, 10 points	No		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		49				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-090	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21193020	
BORROWER		TROUBLESOME CREEK ENVIRONMENTAL AUTHORITY PERRY COUNTY		
BRIEF DESCRIPTION				
This project will continue the collection system along Highway 80 in Knott and Perry Counties. The project will serve five subdivisions and one road. The subdivisions to be served will be Elk Run (34 households), Pine Valley (45 households), Pine Point (9 households), Memory Mountain (14 households) and Phoenix Place (50 households including town homes). Baker Fork has 7 households. In total there are 159 households for the project that will be serviced with residential grinders. The project will include 6,000 LF of 6" HDPE Force Main, 3,800 LF of 4" HDPE Force Main, 8,400 LF of 3" HDPE of Force Main, 10,900 LF of 2 1/2" HDPE Force Main and 11,000 LF of 1 1/4" HDPE Force Main for Service Line. There will be one lift station (150 GPM) with SCADA/telemetry and odor control. This project will also eliminate the package plant operated by Phoenix Town Homes.				
This project will provide collection service to the new Robinson Elementary School, the previous school having been completely destroyed in the floods of 2022. This project will also supply collection services to the housing developments on HWY 80, which will allow 2022 flood survivors to relocate.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$500,000	Administrative Expenses	\$125,000	
ARC	3,764,000	Legal Expenses	15,000	
Grant	100,380	Planning	5,000	
USACOE	467,000	Eng - Design / Const	289,900	
		Eng - Insp	155,400	
		Eng - Other	39,500	
		Construction	4,001,500	
		Contingency	200,080	
TOTAL	\$4,831,380	TOTAL	\$4,831,380	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	R. M. Johnson Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	February 1, 2025		
	Construction Start	March 1, 2025		
	Construction Stop	March 1, 2027		
DEBT PER CUSTOMER	Existing	\$2,984		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	173	\$22.56 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	857,848	72,324	785,524	11.9
Audited 2022	(288,518)	68,643	(357,161)	-4.2
Audited 2023	(510,019)	479,289	(989,308)	-1.1

Scoring			Rubrick	Metrics		
TROUBLESOME CREEK ENVIRONMENTAL AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$37,444	State MHI \$60,183	Percentage 62.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 11.86	2022 DCR -4.20	2023 DCR -1.06
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 38.75	2022 APT 4.35	2023 APT 11.90
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 42.47	2022 ARD 49.49	2023 ARD 60.76
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		47				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-133	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21095018	
BORROWER	CITY OF BENHAM HARLAN COUNTY			
BRIEF DESCRIPTION				
This project includes funding for four (4) City of Benham audits (Fiscal Years: 2020, 2022, 2023, 2024). Fiscal Year 2024 is included as the anticipated funding period would be nearing the natural end of the 2024 fiscal year.				
This project also includes an in-kind, in-place replacement of the 48-year-old control cable that powers the raw water intake pump which delivers water to Benham's water treatment plant. This replacement includes:				
- approximately 5,500 feet of trench work				
- approximately 5,500 feet of 10 AWG 7/C Type TC THHN Sunlight Resistant 600 Volt AIW-K Direct Burial Cable				
- #8 gravel around the cable in the trench				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,250,000	Planning	25,000	
		Eng - Design / Const	90,000	
		Eng - Insp	58,000	
		Construction	938,500	
		Contingency	138,500	
TOTAL	\$1,250,000	TOTAL	\$1,250,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	n/a		
PROJECT SCHEDULE	Bid Opening	July 3, 2025		
	Construction Start	August 15, 2025		
	Construction Stop	August 30, 2025		
DEBT PER CUSTOMER	Existing	\$942		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	313	\$52.56 (for 4,000 gallons)	
	Additional	0	\$52.56 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	0	0	0	n/a
Audited 2021	231,631	33,031	198,600	7.0
Int. P & L 2022	238,679	38,031	200,648	6.3

Scoring			Rubrick	Metrics		
CITY OF BENHAM						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$47,186	State MHI \$60,183	Percentage 78.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR #DIV/0!	2021 DCR 7.01	2022 DCR 6.28
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT N/A	2021 APT N/A	2022 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD N/A	2021 ARD 46.57	2022 ARD N/A
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		47				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Williams November 7, 2024 W25-040 WX21153040	
BORROWER		SALYERSVILLE WATER WORKS MAGOFFIN COUNTY		
BRIEF DESCRIPTION 1) WX21153040 Salyersville Meters Replacement Project Description: This project will purchase and install approximately 1000 radio-read water meters throughout the water system. Readings collected by radio-read meters will be processed through a central database to facilitate better utility management and accuracy. This project will provide Salyersville Water Works with the ability to more efficiently receive monthly water usage totals and to detect and reduce water loss in the system. This will allow Salyersville Water Works to reduce overall costs, increasing operating efficiency and enhancing customer service. Need: Approximately 55% of meters currently in use are not reading accurately and therefore water loss and revenue loss cannot be tracked. The water plant is operating at capacity so reducing loss is critical. The project also improves the City's billing system to near real-time consumption. The new radio meters will reduce the expense of periodic trips to each physical location to read meters. This project will provide Salyersville Water Works with the ability to more efficiently receive monthly water usage totals and to detect and reduce water loss in the system. Estimated Project Cost: \$700,000 2) Non - Capital funding assistance: Rate Study funding Salyersville badly needs for a rate study to be conducted. KRWA has provided a quote for this service. The rates for both residential and wholesale need to be adjusted. Proposed cost: \$10,550 Please see attachment: Salyersville Rate Study Proposal. 3) Non - Capital funding assistance: Debt service The City of Salyersville and Salyersville Water Works are seeking debt service forgiveness to ease the repayment burden of Kentucky Infrastructure Authority (KIA) and USDA loans. Assistance with debt repayment will provide the city with greater flexibility to enhance service delivery and address critical infrastructure needs. By reducing the financial strain, Salyersville can focus on making necessary repairs and improvements to the water system, ensuring reliable access to clean water for all residents. This support is essential for maintaining community resilience and supporting long-term growth. The exact amount of this funding request is difficult to pin down as the system is behind payments on all debts. The estimated amount is for the 7 largest debts. Estimated amount (Top 7 debts) = \$1,211,706.73 Please see attachment: Debts SWW 7312024 Estimated Total of above items: \$700,000 (Meters) + \$10,550 (Rate Study) + \$1,211,706.73 (Debt Service) = \$1,922,256.73.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,922,257	Administrative Expenses (Part 1)	\$25,000	
		Planning Study (Part 2)	10,550	
		Equipment (Part 1)	650,000	
		Non Capital: Repayment of Existing Debt (Part 3)	1,211,707	
		Other (Part 1)	25,000	
TOTAL	\$1,922,257	TOTAL	\$1,922,257	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Not Required		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	April 20, 2025 July 1, 2025 April 1, 2026		
DEBT PER CUSTOMER	Existing	\$7,280		
RESIDENTIAL RATES				
	Current	Users 891	Avg. Bill \$35.65 (for 4,000 gallons)	
	Additional	0	\$35.65 (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	589,953	314,203	275,750	1.9
Audited 2020	311,850	297,038	14,812	1.0
Audited 2021	379,404	244,000	135,404	1.6

Scoring			Rubrick		Metrics		
SALYERSVILLE WATER WORKS							
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$30,024	State MHI \$60,183	Percentage 49.9%	
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%		
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less	
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided	
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 1.88	2020 DCR 1.05	2021 DCR 1.55	
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 1.07	2020 APT 1.99	2021 APT 1.60	
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 22.63	2020 ARD 21.82	2021 ARD 37.94	
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes	
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%	
10	Issue fully resolved	10	if yes, 10 points			Yes	
11	High level of community support	0	if yes, 10 points			No	
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No	
		46					

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-066 SX21043047	
BORROWER		CITY OF OLIVE HILL CARTER COUNTY		
BRIEF DESCRIPTION				
The City of Olive Hill faces a triple threat of increasing maintenance costs, lack of excess wastewater capacity, and frequent flooding. This is first and foremost a compliance project with additional components to improve the long-term outlook of the system and the area. This project will simultaneously reduce inflow and infiltration through a planned I&I study, subsequent repairs, and increased / restored treatment capacity through rehabilitation and/or upgrade of plant components. The acquisition of equipment to more effectively maintain the system is critical for reducing long-term maintenance costs. These repairs and upgrades will solve compliance issues. The remaining funds will be used towards a 10,000 LF force main line will be extended eastwards to decommission the Counts Crossroads Vocational School package treatment plant and connect roughly 200 new customers.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$550,000	Administrative Expenses	\$10,000	
		Planning	10,000	
		Eng - Design / Const	30,000	
		Construction	400,000	
		Other	100,000	
TOTAL	\$550,000	TOTAL	\$550,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 15, 2025 August 1, 2025 April 1, 2026		
DEBT PER CUSTOMER	Existing	\$12,996		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	906	\$30.00 (for 4,000 gallons)	
	Additional	210	\$30.00 (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
Int. P & L 2021	0	0	0	n/a
Int. P & L 2022	(647,346)	560,291	(1,207,637)	-1.2
Int. P & L 2023	(1,738)	568,265	(570,003)	0.0

Scoring			Rubrick	Metrics		
CITY OF OLIVE HILL						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$54,891	State MHI \$60,183	Percentage 91.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR -1.16	2023 DCR 0.00
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.11	2022 APT 7.15	2023 APT 4.08
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD #DIV/0!	2022 ARD 37.67	2023 ARD 35.01
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		46				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-063 WX21051002	
BORROWER		CITY OF MANCHESTER CLAY COUNTY		
BRIEF DESCRIPTION				
This project includes replacing 27,000 feet of 6-inch asbestos cement water line with 6-inch PVC water line. This portion of the Manchester Distribution system continually has line breaks and creates water loss and pressure issues throughout the system. The replacement of this line will significantly increase the availability of water throughout the system, especially serving the Hospital. The new PVC water line will also have a higher pressure class which will allow the City to increase pressure in this area.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,654,000	Administrative Expenses	\$45,000	
		Eng - Design / Const	110,000	
		Eng - Insp	69,000	
		Construction	1,300,000	
		Contingency	130,000	
TOTAL	\$1,654,000	TOTAL	\$1,654,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 21, 2025 September 1, 2025 March 30, 2026		
DEBT PER CUSTOMER	Existing	\$840		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	4,310	\$23.30 (for 4,000 gallons)	
	Additional	0	\$23.30 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,692,072	429,263	1,262,809	3.9
Audited 2021	1,151,104	397,938	753,166	2.9
Audited 2022	1,326,769	389,169	937,600	3.4

Scoring			Rubrick	Metrics		
CITY OF MANCHESTER						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$35,537	State MHI \$60,183	Percentage 59.1%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 3.94	2021 DCR 2.89	2022 DCR 3.41
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 21.75	2021 APT 8.66	2022 APT 23.35
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2020 ARD 52.99	2021 ARD 58.24	2022 ARD 63.66
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		45				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-065 WX21115031
BORROWER		MAGOFFIN COUNTY WATER DISTRICT MAGOFFIN COUNTY	
BRIEF DESCRIPTION			
Paintsville Utilities (PU) currently supplies water to it's distribution system through a 24" finished water transmission main from the WTP that feeds into the south and west side of town along US 460 and KY 40. Pressures along the 24" transmission main are in general much higher than many areas of Paintsville's distribution system. As a result, the use of pressure-reducing valve stations at connection points to the 24" transmission main has become common in the PU distribution system.			
The US 460 booster pump station (BPS) is an existing BPS that pumps to the US 460 storage tank located along US 460 toward the Magoffin County line. Currently, this BPS runs almost continuously to maintain system demand and fill the US 460 tank. The BPS can no longer adequately fill the US 460 tank and also causes low suction pressure along the existing 6-Inch line supplying the BPS. This project will include a "tie-in" to the existing 24" transmission main near the intersection of Arrowhead Estates Road and US 460 complete with a pressure reducing valve (PRV) station. Also, approximately 6,200 LF of new 8" line will be installed from the "tie-in" point to the existing US 460 BPS. This waterline will include a bore beneath US 460 and necessary appurtenances. Additionally, another approximately 23,800 LF of waterline will be replaced with 8" line from the existing US 460 BPS to the existing US 460 storage tank. Finally, a new tank control valve vault will be installed at the US 460 storage tank.			
Project benefits are as follows: *Increase available volume and suction pressure to US 460 BPS *Help Correct supply and pressure issues for customers upstream of the US 460 BPS Provide a permanent *Provide a permanent supply connection of 150 gpm to Magoffin County along US 460.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$4,726,000	Administrative Expenses	\$50,000
		Legal Expenses	15,000
		Land, Easements	50,000
		Planning	150,000
		Eng - Design / Const	259,000
		Eng - Insp	140,000
		Eng - Other	20,000
		Construction	3,674,000
		Contingency	368,000
TOTAL	\$4,726,000	TOTAL	\$4,726,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Bell Engineering	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 21, 2025 October 1, 2025 June 30, 2026	
DEBT PER CUSTOMER	Existing	\$3,209	
RESIDENTIAL RATES		<u>Users</u> 1,706 0	<u>Avg. Bill</u> \$0.00 (for 4,000 gallons) \$0.00 (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 2021	95,824	117,382	(21,558) 0.8
Audited 2022	19,438	114,512	(95,074) 0.2
Audited 2023	338,219	115,857	222,362 2.9

Scoring			Rubrick	Metrics		
MAGOFFIN COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$33,630	State MHI \$60,183	Percentage 55.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.82	2022 DCR 0.17	2023 DCR 2.92
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.14	2022 APT 6.00	2023 APT 5.40
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 36.06	2022 ARD 30.96	2023 ARD 38.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		43				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-131	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21131004	
BORROWER		HYDEN-LESLIE COUNTY WATER DISTRICT LESLIE COUNTY		
BRIEF DESCRIPTION This project consists of constructing a 1-million-gallon tank, replacing a valve vault, and installing new telemetry & SCADA for the water tank & water system. The project will also include the repair of two filter basins in the Hyden-Leslie County Water District Water Treatment Plant. The Hyden-Leslie County Water District currently has a 1M gallon standpipe water tank that feeds the entire system. The tank was built above underground coal mines, which has led to the tank's concrete foundation being compromised, jeopardizing the safety & structural integrity of the tank. This has resulted in significant chronic water leaks that have been measured at up to 30 gallons per minute. These leaks must be constantly monitored & fixed by the HLCWD. It was determined that the best solution was to relocate the tank. The HLCWD also has two filter basins in the Water Treatment Plant with leaks in the metal walls of the basins. Repair of the filter basin walls is necessary & will include removal of existing filter material & draining of the basins to repair the basins from the inside. This project to replace the 1M gallon water tank & repair the filter basins at the WTP will significantly improve water infrastructure & reduce water loss for the HLCWD.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	7,500	
		Eng - Design / Const	192,000	
		Eng - Insp	110,000	
		Eng - Other	60,000	
		Construction	2,315,000	
		Contingency	255,500	
TOTAL	\$3,000,000	TOTAL	\$3,000,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2025 September 1, 2025 July 18, 1905		
DEBT PER CUSTOMER	Existing	\$54		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	3,608	\$54.74 (for 4,000 gallons)	
	Additional	0	\$54.74 (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 2021	484,636	299,684	184,952	1.6
Audited 2022	663,090	302,220	360,870	2.2
Audited 2023	587,117	301,000	286,117	2.0

Scoring			Rubrick	Metrics		
HYDEN-LESLIE COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,431	State MHI \$60,183	Percentage 63.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.62	2022 DCR 2.19	2023 DCR 1.95
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 9.87	2022 APT 8.09	2023 APT 0.00
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 52.14	2022 ARD 43.33	2023 ARD 44.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		43				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-012 WX21207040
BORROWER		CITY OF JAMESTOWN RUSSELL COUNTY	
BRIEF DESCRIPTION			
The City of Jamestown currently utilizes chlorine gas as the method for disinfection at its water treatment plant. The proposed will convert the existing water treatment plant from chlorine gas disinfection system to liquid sodium hypochlorite system. The project would consist of a New Chemical Feed Building, Bulk Storage Tanks, Transfer Pumps, Day Tanks with new Chemical Feed Pumps, and Yard Piping modifications. The project will improve safety for the operators and the surrounding community.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,519,000	Administrative Expenses	\$10,000
		Eng - Design / Const	104,000
		Eng - Insp	65,000
		Construction	1,220,000
		Contingency	120,000
TOTAL	\$1,519,000	TOTAL	\$1,519,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kenvirons	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Nov-25 Mar-26 Aug-26	
DEBT PER CUSTOMER	Existing	\$2,030	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	3,954	\$41.43 (for 4,000 gallons)
	Additional	0	\$41.43 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	624,300	564,031	60,269 1.1
Audited 2022	443,728	534,151	(90,423) 0.8
Audited 2023	283,613	530,022	(246,409) 0.5

Scoring			Rubrick	Metrics		
CITY OF JAMESTOWN						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,157	State MHI \$60,183	Percentage 65.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.11	2022 DCR 0.83	2023 DCR 0.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.74	2022 APT 5.84	2023 APT 9.25
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 8.64	2022 ARD 6.99	2023 ARD 4.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		43				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-127 WX21025041	
BORROWER		BREATHITT COUNTY WATER DISTRICT BREATHITT COUNTY		
BRIEF DESCRIPTION				
This project will consist of the installation of over 44,000 linear feet of 6-inch, 4-inch and 2-inch PVC waterlines along with a pump station, a water storage tank and other necessary appurtenance in order to provide customers in that area with a reliable source of potable water. This project will provide 1st-time potable water service to approximately 35 residents. Some of whom have relocated to this area after the 2022 flood event.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	5,000	
		Eng - Design / Const	248,000	
		Eng - Insp	135,000	
		Eng - Other	30,000	
		Construction	3,200,000	
		Contingency	322,000	
TOTAL	\$4,000,000	TOTAL	\$4,000,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 15, 2025 September 1, 2025 April 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,359		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,998	\$60.51 (for 4,000 gallons)	
	Additional	35	\$60.51 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	140,449	115,163	25,286	1.2
Audited 2022	6,048	129,157	(123,109)	0.0
Audited 2023	(261,408)	115,778	(377,186)	-2.3

Scoring			Rubrick	Metrics		
BREATHITT COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$39,224	State MHI \$60,183	Percentage 65.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.22	2022 DCR 0.05	2023 DCR -2.26
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 13.07	2022 APT 14.28	2023 APT 22.23
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 38.81	2022 ARD 42.64	2023 ARD 40.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		43				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-138	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21231017	
BORROWER	CITY OF MONTICELLO WAYNE COUNTY			
BRIEF DESCRIPTION				
Provide a "first-time" source of sanitary sewer to approximately 85 customers and improved sewer service to approximately 17 customers in the Phase 1 area, which include Westwood Estates, North Main Street, and Green Acres, as well as customers in the area of Carter Road. Work will include 2,543 LF of 10" Gravity Sewer, 19,375 LF of 8" Gravity Sewer, 2,081 LF of 6" Service Laterals, (110) 4-Ft Diameter Manholes, 2,739 LF of 1.5" sewage force main, 875 LF of 6" sewage force main, (4) Grinder Pumping Stations, and (1) 280 GPM wastewater pump station				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$8,772,000	Administrative Expenses	\$75,000	
		Legal Expenses	65,000	
		Land, Easements	100,000	
		Planning	96,500	
		Eng - Design / Const	455,000	
		Eng - Insp	223,000	
		Eng - Other	142,500	
		Construction	6,922,000	
		Contingency	693,000	
TOTAL	\$8,772,000	TOTAL	\$8,772,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	June 15, 2025		
	Construction Start	September 1, 2025		
	Construction Stop	December 31, 2026		
DEBT PER CUSTOMER	Existing	\$7,934		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,115	\$38.42 (for 4,000 gallons)	
	Additional	87	\$38.42 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	1,497,070	892,224	604,846	1.7
Audited 2021	1,499,912	967,858	532,054	1.5
Audited 2022	1,342,203	944,506	397,697	1.4

Scoring			Rubrick	Metrics		
CITY OF MONTICELLO						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$42,840	State MHI \$60,183	Percentage 71.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.68	2021 DCR 1.55	2022 DCR 1.42
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 15.71	2021 APT 19.32	2022 APT 18.82
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 21.97	2021 ARD 19.68	2022 ARD 17.69
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		43				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-104 WX21173109	
BORROWER		MONTGOMERY COUNTY WATER DISTRICT #1 MONTGOMERY COUNTY		
BRIEF DESCRIPTION				
The Montgomery County Water District #1 is seeking a \$400,000 WWaters funding to fund a critical infrastructure improvement project aimed at replacing aging and potentially hazardous water distribution lines. This project will focus on removing outdated lead and asbestos-cement pipes within the water system to enhance water quality and service reliability for customers.				
The scope of work includes the replacement of 3,067 linear feet of old water lines with new, durable PVC pipes. Specifically, this involves 249 linear feet of 6-inch pipes and 2,818 linear feet of 8-inch pipes that will be replaced throughout the distribution system. A key focus area is Little Joe Street, where the existing 4-inch asbestos-cement (AC) line and 2-inch steel line will be upgraded. The 4-inch AC line will be replaced with a new 4-inch PVC line, significantly reducing the risk of contamination and leaks.				
Additionally, the project will involve the installation of two new hydrants and a small 2-inch flush hydrant to improve fire safety and enhance system flushing capabilities, which is essential for maintaining water quality. These upgrades are crucial for eliminating health risks associated with older materials and for bringing the water distribution system up to modern standards.				
By securing the WWaters grant, Montgomery County Water District #1 aims to address these critical needs, reduce long-term maintenance costs, and ensure a safe, reliable water supply for its residents. The project reflects the District's ongoing commitment to providing high-quality water services and safeguarding public health.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$400,000	Administrative Expenses	\$22,000	
		Legal Expenses	6,000	
		Eng - Design / Const	35,648	
		Eng - Insp	27,648	
		Construction	256,704	
		Contingency	40,000	
		Other	12,000	
TOTAL	\$400,000	TOTAL	\$400,000	
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	August 20, 2025 September 1, 2025 March 31, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	774	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (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 2020	7,156	2,306	4,850	3.1
Audited 2021	9,182	2,257	6,925	4.1
Audited 2022	707	2,143	(1,436)	0.3

Scoring			Rubrick	Metrics		
MONTGOMERY COUNTY WATER DISTRICT #1						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$45,505	State MHI \$60,183	Percentage 75.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 3.10	2021 DCR 4.07	2022 DCR 0.33
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.12	2021 APT 3.44	2022 APT 4.20
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 32.27	2021 ARD 24.33	2022 ARD 26.54
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		43				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND			Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-074 SX21127034
BORROWER		CITY OF LOUISA KENTUCKY LAWRENCE COUNTY		
BRIEF DESCRIPTION				
-The City of Louisa, KY has a need to replace an existing private sanitary sewer system on the north end of the city limits. The private system was installed approximately 40 years ago without inspection and was never taken over by the city due to it not being properly designed and permitted. -Flow from this system is treated by the City's wastewater treatment plant and customers are billed accordingly. -The current owners of the system have requested that the city take it over, however, a city hired engineering firm determined that the system is poorly constructed and maintained and has a history of failures due to deferred maintenance and installed on state right of way without a permit. -The City has determined that the existing infrastructure was constructed, maintained, and located in a manner that prevents simply taking over the system. A new system must be designed, permitted, constructed, and inspected in compliance with Kentucky Division of Water regulations to prevent imminent failure and loss of services to current businesses on the system. -In addition to the imminent failure of the system, there has been an economic impact to the area. The owners of the private system charge an exorbitant connection fee which has hindered development in the area, a heavy commercial area adjacent to US23. Installation of a new system, maintained by the City, would eliminate this barrier to development and allow the city to provide services to additional customers at the normal connection rate, spurring economic development. -Furthermore, the City would like to install new service to the existing homes on Mimosa Drive and install a low pressure force-main back to Emerson Lane to provide service to existing residential and industrial properties along the Big Sandy River and make service and capacity available for future development and allow the city to maintain the system to ensure continued service is available to current and new customers as well as ensure the no environmental impacts occur due to a failure of the current private system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,418,550	Administrative Expenses	\$31,875	
		Planning	53,125	
		Eng - Design / Const	92,000	
		Eng - Insp	78,400	
		Construction	1,062,500	
		Contingency	100,650	
TOTAL	\$1,418,550	TOTAL	\$1,418,550	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	June 1, 2024		
	Construction Start	July 1, 2024		
	Construction Stop	October 1, 2024		
DEBT PER CUSTOMER	Existing	\$2,903,786		
OTHER DEBT	See Attached			
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	13	\$52.16 (for 4,000 gallons)	
	Additional	0	\$52.16 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	738,674	822,875	(84,201)	0.9
Audited 2022	719,160	892,005	(172,845)	0.8
Audited 2023	822,911	963,496	(140,585)	0.9

Scoring			Rubrick	Metrics		
CITY OF LOUISA KENTUCKY						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,355	State MHI \$60,183	Percentage 82.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.90	2022 DCR 0.81	2023 DCR 0.85
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.32	2022 APT 1.65	2023 APT 1.33
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 46.32	2022 ARD 40.69	2023 ARD 41.75
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		42				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-062 WX21089013	
BORROWER		CITY OF GREENUP GREENUP COUNTY COUNTY		
BRIEF DESCRIPTION				
This project proposes to replace the existing primary intake for the City of Greenup floating temporary intake and install a new permanent water intake structure in the Little Sandy River (including pumping, piping, and VFD controls). The new structure will increase the intake capacity from 1 MGD to 3 MGD.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$16,000,000	Administrative Expenses	\$25,000	
		Legal Expenses	10,000	
		Planning	40,000	
		Eng - Design / Const	264,630	
		Eng - Insp	190,880	
		Construction	15,000,000	
		Contingency	469,490	
TOTAL	\$16,000,000	TOTAL	\$16,000,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Howerton Engineering		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	February 28, 2025 April 1, 2025 October 1, 2025		
DEBT PER CUSTOMER	Existing	\$571		
RESIDENTIAL RATES	Current	Users 4,118	Avg. Bill \$63.16 (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	783,277	223,421	559,856	3.5
Audited 2020	552,447	222,974	329,473	2.5
Audited 2021	582,479	222,279	360,200	2.6

Scoring			Rubrick	Metrics		
CITY OF GREENUP						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,675	State MHI \$60,183	Percentage 89.2%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 3.51	2020 DCR 2.48	2021 DCR 2.62
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT 19.00	2020 APT 8.27	2021 APT 9.14
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 50.25	2020 ARD 57.23	2021 ARD 53.78
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		42				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-091 WX21073036	
BORROWER		PEAKS MILL WATER DISTRICT FRANKLIN COUNTY		
BRIEF DESCRIPTION				
This project is for the Peaks Mill Water District (PMWD) to replace its existing AMR Meter System with new AMR/AMI meters, mobile radio equipment and software/billing interface. The current AMR system was installed in 2009 and is approaching the end of its useful life in 2024. Meter batteries are beginning to fail, and some meters are under-registering consumption, leading to high water loss. The project will replace approximately 1,250 meters over a three-year period with AMR and/or AMI metering technology. The project also includes installing leak detection technology on 10% of meters to determine location of leaks for repair or prioritize water main and service line for replacement.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$745,000	Administrative Expenses	\$10,000	
		Legal Expenses	5,000	
		Planning	10,000	
		Eng - Design / Const	60,000	
		Eng - Insp	30,000	
		Construction	150,000	
		Equipment	450,000	
		Contingency	30,000	
TOTAL	\$745,000	TOTAL	\$745,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	BlueWater Kentucky		
PROJECT SCHEDULE	Bid Opening	October 1, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	December 1, 2027		
DEBT PER CUSTOMER	Existing	\$2,525		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,228	N/A (for 4,000 gallons)	
	Additional	0	N/A (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	18,585	100,443	(81,858)	0.2
Audited 2022	(58,675)	100,847	(159,522)	-0.6
UNAudited 2023	(1,786)	100,188	(101,974)	0.0

Scoring			Rubrick	Metrics		
PEAKS MILL WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$85,744	State MHI \$60,183	Percentage 142.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.19	2022 DCR (0.58)	2023 DCR (0.02)
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.35	2022 APT 14.09	2023 APT 7.26
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.81	2022 ARD 28.37	2023 ARD 29.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		42				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-069 SX21065009
BORROWER		CITY OF IRVINE ESTILL COUNTY	
BRIEF DESCRIPTION			
This project will provide upgrades to three various locations of the existing collecting system. Location 1, Whispering Woods Sewer Upgrades, includes the elimination of a community 10,000 gallon failing septic system with a new 8-inch gravity sewer. The new gravity sewer will replace approximately 3,600 LF of deteriorating small diameter gravity sewer (4" and 6") and 1,800 LF of deteriorating 8-inch sewer with new 8-inch PVC sewer. Existing septic tank serves 52 residential and one commercial customer. Location 2, Sweet Lick Branch Sewer Replacement, includes the replacement of 8-inch clay tile sewer and brick manholes along the creek with new PVC sewer and precast manholes. The area sees heavy amount of inflow and infiltration. Location 3, KY 52 Road bore, includes the installation of an 8-inch sewer line beneath KY 52 will eliminates 2,000 LF of small diameter sewer. The new bore reroute the flow and bypasses the need to be pump upstream. The remaining small diameter sewer that corrects flow from businesses along KY 52 will be replaced along with the pump station. This project also includes improvements at the Irvine WWTP to recycle and reuse membrane wash down water.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$3,053,000	Administrative Expenses	\$50,000
		Legal Expenses	35,000
		Land, Easements	35,000
		Planning	123,500
		Eng - Design / Const	173,000
		Eng - Insp	101,000
		Construction	2,275,500
		Contingency	228,500
		Other	31,500
TOTAL	\$3,053,000	TOTAL	\$3,053,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Bell Engineering	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 February 2, 2026 August 1, 2026	
DEBT PER CUSTOMER	Existing	\$4,587	
RESIDENTIAL RATES		<u>Users</u> 2,066 70	<u>Avg. Bill</u> \$35.31 (for 4,000 gallons) \$35.31 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	617,081	416,658	200,423 1.5
Audited 2022	498,826	929,036	(430,210) 0.5
Audited 2023	411,265	404,908	6,357 1.0

Scoring			Rubrick	Metrics		
CITY OF IRVINE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,546	State MHI \$60,183	Percentage 57.4%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.48	2022 DCR 0.54	2023 DCR 1.02
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 9.36	2022 APT 14.49	2023 APT 2.58
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.36	2022 ARD 40.38	2023 ARD 41.05
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		41				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-043 SX21219012	
BORROWER		CITY OF ELKTON TODD COUNTY		
BRIEF DESCRIPTION				
This project will extend approximately five miles of 3" sewer force main and two miles of 6" gravity sewer main from the city of Elkton along HWY 181 North to Todd County Elementary School. This project will eliminate the schools existing package treatment facility.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$750,000	Administrative Expenses	\$22,500	
		Legal Expenses	750	
		Eng - Design / Const	69,000	
		Eng - Insp	45,000	
		Construction	537,750	
		Contingency	75,000	
TOTAL	\$750,000	TOTAL	\$750,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	GRW		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	September 30, 2025 November 1, 2025 October 31, 2026		
DEBT PER CUSTOMER	Existing	\$5,067		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,018	\$54.47 (for 4,000 gallons)	
	Additional	0	\$54.47 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	245,008	416,718	(171,710)	0.6
Audited 2022	286,836	120,189	166,647	2.4
Audited 2023	324,517	195,277	129,240	1.7

Scoring			Rubrick	Metrics		
CITY OF ELKTON						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$40,237	State MHI \$60,183	Percentage 66.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.59	2022 DCR 2.39	2023 DCR 1.66
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 11.71	2022 APT 3.14	2023 APT 6.20
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 53.19	2022 ARD 53.91	2023 ARD 44.10
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		41				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-150 WX21235012	
BORROWER		CUMBERLAND FALLS HIGHWAY WATER DISTRICT WHITLEY COUNTY		
BRIEF DESCRIPTION				
The project will disconnect approximately 3.2 miles of 8-inch and 10.0 miles of 6-inch A-C main from the District's distribution system by laying approximately 10.0 miles of new PVC main and switching the District's users to the new PVC main. The existing users on the 8-inch A-C main will be switched to an existing parallel 12-inch PVC main. The existing A-C mains will be abandoned in-place and not disturbed.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,689,700	Administrative Expenses	\$30,000	
		Legal Expenses	5,000	
		Land, Easements	5,000	
		Eng - Design / Const	112,200	
		Eng - Insp	70,000	
		Eng - Other	10,000	
		Construction	1,325,000	
		Contingency	132,500	
TOTAL	\$1,689,700	TOTAL	\$1,689,700	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	KENVIRONS		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	September 1, 2025 November 1, 2025 June 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,261		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	3,850	\$47.40 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	688,352	201,283	487,069	3.4
Audited 2022	631,567	177,572	453,995	3.6
Audited 2023	548,410	218,271	330,139	2.5

Scoring			Rubrick	Metrics		
CUMBERLAND FALLS HIGHWAY WATER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,226	State MHI \$60,183	Percentage 68.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 3.42	2022 DCR 3.56	2023 DCR 2.51
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.44	2022 APT 1.97	2023 APT 1.89
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 127.89	2022 ARD 0.00	2023 ARD 110.51
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		41				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-139	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21129011	
BORROWER		CITY OF BEATTYVILLE LEE COUNTY		
BRIEF DESCRIPTION				
This project will replace the existing vitrified clay gravity sewer pipe in Beattyville with PVC sewer pipe. The City is nearing the completion of Phase 1 of the Beattyville Sewer Replacement Project. Phase 2 will repair and replace the existing vitrified clay gravity sewer pipes that were not able to be repaired in Phase 1. The average flow to wastewater treatment plant frequently exceeds its capacity of 300,000 GPD. Rehabilitation of sewers will improve KPDES permit compliance and extend the operating life of the sewer system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,000,000	Administrative Expenses	\$50,000	
		Legal Expenses	10,000	
		Planning	7,500	
		Eng - Design / Const	135,000	
		Eng - Insp	83,000	
		Eng - Other	45,000	
		Construction	1,525,000	
		Other	144,500	
TOTAL	\$2,000,000	TOTAL	\$2,000,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	August 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,882		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	723	\$52.23 (for 4,000 gallons)	
	Additional	0	\$52.23 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	591,730	343,709	248,021	1.7
Audited 2022	249,713	430,179	(180,466)	0.6
Audited 2023	567,227	365,569	201,658	1.6

Scoring			Rubrick	Metrics		
CITY OF BEATTYVILLE						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,255	State MHI \$60,183	Percentage 47.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	2.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.72	2022 DCR 0.58	2023 DCR 1.55
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.98	2022 APT 5.85	2023 APT 6.22
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 37.98	2022 ARD 29.03	2023 ARD 39.41
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		40				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-026 WX21107077	
BORROWER		SOUTH HOPKINS WATER DISTRICT HOPKINS COUNTY		
BRIEF DESCRIPTION				
South Hopkins Water District has started planning for updates throughout most of the system. The district has suffered huge water loss the last few years due to old lines that are now breaking and causing leaks and is the main reason for water loss. The plans include installing new main lines to the "East" section of the district, installing radio read meters, building a new office and a new shop. The District has had Strand Associates create the PER and is submitted to Rural Development to try and get a loan, however, the district is hoping to receive grant money, if possible to cut back on the loan amount that will in return cut back on how much the district will have to charge the customers for water used. Some of the lines on the district are 50 years old, which is why there are so many leaks.				
This project will replace approximately 44 miles of existing water main that runs along the following routes: US62, KY112, KY454, KY41, KY70, KY3059, KY879, KY1337. The project will replace various diameter water main throughout the system into standard 8 or 12 inch diameter pipe for consistency in sourcing, installation, and maintenance. The project also involves the replace for existing pump stations along US62 and KY112. There is also a proposed addition of a new pump station and tank near Hopkins County Central High School to provide additional water storage and fire protection to the schools. In addition, the project will replace 3100 customers meters and 4 master meters with AMR meters and will construct a new office building and shop. The water district experiences numerous leaks on their AC water lines in the system. These lines are nearly 60 years old and create higher O & M costs and have the potential to be a health hazard. The meters need to be replaced with ARM technology so the district can shorten the time it takes to read meters from 2 weeks to only a few days. The current office building is old and does not have adequate space for all of the staff to work. The new building would allow for separate office space, a conference room, and a drive-thru window.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$29,020,300	Administrative Expenses	\$50,000	
		Planning	80,000	
		Eng - Design / Const	1,379,000	
		Eng - Insp	558,000	
		Construction	23,031,000	
		Equipment	1,472,000	
		Contingency	2,450,300	
TOTAL	\$29,020,300	TOTAL	\$29,020,300	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	STRAND ASSOCIATES		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 20, 2025 July 1, 2025 September 30, 2026		
DEBT PER CUSTOMER	Existing	\$1,516		
OTHER DEBT	See Attached			
RESIDENTIAL RATES	Current Additional	<u>Users</u> 2,953 0	<u>Avg. Bill</u> \$36.51 (for 4,000 gallons) \$36.51 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	33,290	65,178	(31,888)	0.5
Audited 2022	4,047	79,214	(75,167)	0.1
Audited 2023	192,092	79,439	112,653	2.4

Scoring			Rubrick	Metrics		
SOUTH HOPKINS WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,673	State MHI \$60,183	Percentage 85.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.51	2022 DCR 0.05	2023 DCR 2.42
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.63	2022 APT 14.31	2023 APT 8.83
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 38.40	2022 ARD 36.04	2023 ARD 40.09
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		40				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-112 WX21173191	
BORROWER		REID VILLAGE WATER DISTRICT MONTGOMERY COUNTY		
BRIEF DESCRIPTION				
Reid Village Water District proposes a comprehensive replacement of approximately 900 radio-read water meters across its service area as the second phase of its meter upgrade initiative. The current water meters, aged between 11 to 13 years, have become less reliable, leading to potential water loss and loss of revenue due to inaccurate readings. The replacement of these aging meters is essential to improve operational efficiency, enhance water conservation efforts, and ensure accurate billing for customers. The project will leverage partial funding already secured by the Reid Village Water District to facilitate a complete system-wide meter replacement. The new meters will be compatible with the software and training implemented during Phase 1 of the project, allowing for seamless integration and efficient data management. The corrective action plan includes beginning the meter change-out in 2025, with a goal of completion by 2026, contingent on securing additional funding. Regular monitoring of water loss reports will be conducted monthly, and milestones will be reevaluated annually after project completion to ensure effectiveness. The project also emphasizes risk management, with plans to address potential costs arising from damage to meter setters or boxes during replacement. Reid Village Water District seeks \$350,000 in WWATERS funding to support this vital infrastructure improvement, which is crucial for maintaining system sustainability and financial viability. This investment will help the district reduce water loss, improve service reliability, and support the continuous improvement of its water supply system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$350,000	Administrative Expenses	\$8,750	
		Eng - Design / Const	30,000	
		Construction	283,000	
		Contingency	28,250	
TOTAL	\$350,000	TOTAL	\$350,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	March 20, 2025 April 1, 2025 December 31, 2025		
DEBT PER CUSTOMER	Existing	\$731		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,172	\$52.69 (for 4,000 gallons)	
	Additional	0	\$52.69 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	106,660	59,965	46,695	1.8
Audited 2021	83,643	60,342	23,301	1.4
Audited 2022	52,066	60,662	(8,596)	0.9

Scoring			Rubrick	Metrics		
REID VILLAGE WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,863	State MHI \$60,183	Percentage 97.8%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.78	2021 DCR 1.39	2022 DCR 0.86
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 7.62	2021 APT 7.61	2022 APT 8.10
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 35.91	2021 ARD 35.73	2022 ARD 30.35
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		38				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-120 SX21199013	
BORROWER		CITY OF SCIENCE HILL PULASKI COUNTY		
BRIEF DESCRIPTION				
This project includes the expansion of the existing City of Science Hill WWTP to provide an ultimate capacity 0.3 million gallons per (MGD). This represents a doubling of the current capacity of 0.15 MGD. The new treatment plant unit will be constructed at the same site as the existing WWTP, with the existing unit being rehabilitated when the proposed improvements are brought online.				
The components being rehabbed is the existing wastewater treatment package unit itself. The unit is a combination treatment and clarifier train. What is being constructed is a copy of what is there currently. Also, sludge storage and chlorine basins may be modified/rehabilitated to account for the increased capacity.				
VFDs will be installed on blower equipment as well as pumps that are replaced in the project.				
Facility plan is anticipated part of the work.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,599,906	Administrative Expenses	\$50,000	
Funding Source 2	500,094	Legal Expenses	20,000	
		Planning	111,000	
		Eng - Design / Const	175,000	
		Eng - Insp	136,000	
		Eng - Other	56,000	
		Construction	2,320,000	
		Contingency	232,000	
TOTAL	\$3,100,000	TOTAL	\$3,100,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group, PLLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 February 1, 2026 December 31, 2026		
DEBT PER CUSTOMER	Existing	\$2,942		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	410	\$29.92 (for 4,000 gallons)	
	Additional	0	\$29.92 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
No Audited Financials	0	0	0	n/a
No Audited Financials	0	0	0	n/a
No Audited Financials	0	0	0	n/a

Scoring			Rubrick		Metrics	
CITY OF SCIENCE HILL						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$38,739	State MHI \$60,183	Percentage 64.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2022 DCR N/A	2023 DCR N/A	2024 DCR N/A
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT N/A	2023 APT N/A	2024 APT N/A
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD N/A	2023 ARD N/A	2024 ARD N/A
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		37				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-084 WX21047013
BORROWER		HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY	
BRIEF DESCRIPTION			
Construction of a 2,000,000 gallon composite elevated water storage tank.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$14,500,000	Administrative Expenses	\$17,832
		Land, Easements	126,000
		Eng - Design / Const	820,569
		Eng - Insp	223,955
		Eng - Other	12,150
		Construction	13,106,367
		Contingency	193,127
TOTAL	\$14,500,000	TOTAL	\$14,500,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Bell Engineering	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Apr-25 Jun-25 Dec-26	
DEBT PER CUSTOMER	Existing	\$2,373	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	16,025	\$43.05 (for 4,000 gallons)
	Additional	0	\$43.05 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045 1.1
Audited 2022	7,818,213	6,056,476	1,761,737 1.3
Audited 2023	8,234,563	6,128,759	2,105,804 1.3

Scoring			Rubrick	Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,268	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 5.45	2022 ARD 5.77	2023 ARD 4.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		37				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-083	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21047037	
BORROWER		HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY		
BRIEF DESCRIPTION				
Design & Construction of the following:				
Phase A - ~10,500 LF of 15" PVC sewer line extension, with appurtenances. Two (2) existing sewage pumping stations will be decommissioned.				
Phase B - 2MGD Sewage Pumping Station.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$31,500,000	Eng - Design / Const	1,750,000	
		Eng - Other	25,000	
		Construction	24,750,000	
		Contingency	4,975,000	
TOTAL	\$31,500,000	TOTAL	\$31,500,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening	Jan-26		
	Construction Start	Apr-26		
	Construction Stop	Jul-28		
DEBT PER CUSTOMER	Existing	\$2,373		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	16,026	\$43.05 (for 4,000 gallons)	
	Additional	0	\$43.05 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045	1.1
Audited 2022	7,818,213	6,056,476	1,761,737	1.3
Audited 2023	8,234,563	6,128,759	2,105,804	1.3

Scoring			Rubrick	Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,200	State MHI \$60,183	Percentage 73.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 24.78	2022 ARD 23.31	2023 ARD 25.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		37				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-082	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21047044	
BORROWER		HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY		
BRIEF DESCRIPTION This project consists of approximately 29,000 LF of 20" ductile iron water pipe with appurtenances, a 2 MG elevated storage tank, and a 2,100 GPM booster pump station. This project will begin at an existing 16" water main on US-68B, extend along Bradshaw Road (KY-109), thence along John Rivers Road, and end at the booster pump station and elevated storage tank adjacent to the Hopkinsville Commerce Park. The elevated storage tank will interconnect with an existing 12" water main on John Rivers Road, with the resulting system pressure increase allowing the existing commerce park booster pump station and 1 MG ground storage tank to be removed from service.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$21,000,000	Eng - Design / Const	1,435,000	
		Eng - Insp	300,000	
		Eng - Other	15,000	
		Construction	16,000,000	
		Contingency	3,250,000	
TOTAL	\$21,000,000	TOTAL	\$21,000,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Aug-25 Nov-25 Nov-27		
DEBT PER CUSTOMER	Existing	\$2,373		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	16,026	\$43.05 (for 4,000 gallons)	
	Additional	0	\$43.05 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045	1.1
Audited 2022	7,818,213	6,056,476	1,761,737	1.3
Audited 2023	8,234,563	6,128,759	2,105,804	1.3

Scoring			Rubrick	Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,268	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.63%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 24.78	2022 ARD 23.31	2023 ARD 25.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		37				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-081 WX21047043
BORROWER		HOPKINSVILLE WATER ENVIRONMENT AUTHORITY CHRISTIAN COUNTY	
BRIEF DESCRIPTION			
This project will provide a redundant water supply to Ft. Campbell and other areas served along US 41A and the US 68 Bypass.			
#1. 36" Water Transmission Main - Project includes the construction of ~38,000 LF of DIP and appurtenances.			
#2. 24" Water Transmission Main - Project includes the construction of ~2,500 LF of DIP and appurtenances.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$ 19,000,000	Eng - Design / Const Construction Contingency	\$ 1,000,000 15,750,000 2,250,000
TOTAL	\$ 19,000,000	TOTAL	\$ 19,000,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Jan-26 Apr-26 Jul-28	
DEBT PER CUSTOMER	Existing	\$2,373	
RESIDENTIAL RATES	Current	Users 16,025	Avg. Bill \$43.05 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	7,453,397	6,818,352	635,045 1.1
Audited 2022	7,818,213	6,056,476	1,761,737 1.3
Audited 2023	8,234,563	6,128,759	2,105,804 1.3

Scoring			Rubrick	Metrics		
HOPKINSVILLE WATER ENVIRONMENT AUTHORITY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,268	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.63%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.09	2022 DCR 1.29	2023 DCR 1.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.50	2022 APT 3.07	2023 APT 3.79
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 5.45	2022 ARD 5.77	2023 ARD 4.92
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		37				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-089	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21137061	
BORROWER	CITY OF HUSTONVILLE LINCOLN COUNTY			
BRIEF DESCRIPTION				
The project involves the replacement of corroded and failing cast iron 4" and 6" water distribution lines from the Moreland tank area north along KY 2141. Additionally, it will replace 800 failing and inaccurate water meters and add a hydro-pneumatic booster station for Huston Pointe. The project also includes the purchase of an excavator, trailer, and leak detection listening equipment.				
The replacement of these lines is necessary due to frequent breaks and leaks in the existing cast iron pipes, much of which were installed during the original system construction. These issues have hindered the system's ability to adequately bill for water usage, affecting revenues and overall operation. The replacement of the meters will significantly mitigate this issue, ensuring accurate billing and improved financial stability.				
By addressing these critical infrastructure needs, the project will enhance the reliability and efficiency of the water system, improve water quality, and support the economic growth of Hustonville. The improved infrastructure will attract new businesses and residents, boosting the local economy and contributing to a higher median household income. This comprehensive approach aligns with the goals of regionalization, consolidation, and partnerships as outlined in KRS 224A.300, ensuring a sustainable and prosperous future for the community.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,447,950	Administrative Expenses	\$60,000	
		Legal Expenses	10,000	
		Land, Easements	20,000	
		Planning	40,000	
		Eng - Design / Const	196,000	
		Eng - Insp	111,000	
		Construction	2,617,950	
		Contingency	393,000	
TOTAL	\$3,447,950	TOTAL	\$3,447,950	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenviorons, Inc.		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	April 1, 2026		
DEBT PER CUSTOMER	Existing	\$261		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,847	\$38.86 (for 4,000 gallons)	
	Additional	0	\$38.86 (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 2020	97,273	41,401	55,872	2.3
Audited 2021	3,851	41,352	(37,501)	0.1
Audited 2022	(34,313)	41,300	(75,613)	-0.8

Scoring			Rubrick	Metrics		
CITY OF HUSTONVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,769	State MHI \$60,183	Percentage 82.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 2.35	2021 DCR 0.09	2022 DCR -0.83
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 2.35	2021 APT 2.21	2022 APT 2.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 48.96	2021 ARD 39.86	2022 ARD 34.57
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		36				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-119	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21087031	
BORROWER	GREEN-TAYLOR WATER DISTRICT GREEN COUNTY			
BRIEF DESCRIPTION				
The project will include the construction of approximately 9,300 LF of 4-inch and 21,300 LF of 3-inch water mains.				
The project will provide service to previously unserved areas of Taylor and Green, Counties. The proposed extensions will serve Austin Drive, Appleby Drive, Moss Road, Locust Road, and Wall Pike in Taylor County. L.R. Houk Road and Albert Smith Road in Green County.				
In addition, minor improvements are also proposed to the Campbellsville Booster Pump Station, which is located at the GTWD purchase point from the City of Campbellsville. The pump station improvements consist of upgrades to the existing control system to include variable frequency drives.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,090,000	Administrative Expenses	\$5,000	
		Legal Expenses	15,000	
		Land, Easements	10,200	
		Eng - Design / Const	142,800	
		Eng - Insp	87,000	
		Eng - Other	15,000	
		Construction	1,650,000	
		Contingency	165,000	
TOTAL	<u>\$2,090,000</u>	TOTAL	<u>\$2,090,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	June 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	May 1, 2026		
DEBT PER CUSTOMER	Existing	\$665		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,374	\$44.13 (for 4,000 gallons)	
	Additional	10	\$44.13 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	599,577	296,368	303,209	2.0
Audited 2022	797,126	345,793	451,333	2.3
Audited 2023	638,711	385,923	252,788	1.7

Scoring			Rubrick	Metrics		
GREEN-TAYLOR WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,902	State MHI \$60,183	Percentage 84.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.02	2022 DCR 2.31	2023 DCR 1.66
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.30	2022 APT 1.31	2023 APT 1.86
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 59.25	2022 ARD 59.48	2023 ARD 58.12
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		36				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-102 WX21173189	
BORROWER		CITY OF JEFFERSONVILLE MONTGOMERY COUNTY		
BRIEF DESCRIPTION				
The City of Jeffersonville plans to implement a system-wide telemetry upgrade and refurbish the 300,000-gallon elevated storage tank on Kentucky Highway 599 and is applying for \$416,060 in WWATERS funding to support this project.				
Telemetry Upgrade: The upgrade will involve installing five master meters, two pump stations, and one additional pump station with system setup and software integration to interface with the utility's computer system.Tank				
Refurbishment: Refurbishment of the HWY 599 tank will include sandblasting and recoating the interior and installing a new mixer to improve water turnover and mitigate public health risks associated with stale water. The exterior will undergo thorough cleaning with a biodegradable detergent, rust removal, and surface preparation using wire brushes and hand scrapers per SSPC#2 (hand tool cleaning) standards. The exterior will then be spot primed and finished with two coats of Sherwin Williams acrylic paint.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$416,060	Administrative Expenses	\$11,750	
		Eng - Design / Const	30,100	
		Eng - Insp	24,460	
		Construction	322,250	
		Contingency	23,500	
		Other	4,000	
TOTAL	\$416,060	TOTAL	\$416,060	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 20, 2025 July 1, 2025 December 31, 2025		
DEBT PER CUSTOMER	Existing	\$330		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,301	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (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 2020	84,134	76,066	8,068	1.1
Audited 2021	79,997	51,493	28,504	1.6
Audited 2022	136,768	72,851	63,917	1.9

Scoring			Rubrick	Metrics		
CITY OF JEFFERSONVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,386	State MHI \$60,183	Percentage 85.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	8	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		1
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2020 DCR 1.11	2021 DCR 1.55	2022 DCR 1.88
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 4.56	2021 APT 8.64	2022 APT 10.88
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 39.98	2021 ARD 44.02	2022 ARD 42.35
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		36				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-144	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21019076	
BORROWER	BIG SANDY WATER DISTRICT BOYD COUNTY			
BRIEF DESCRIPTION				
This project will include the replacement of approximately 11,000 LF of 12" PVC waterline with 14" HDPE (12" I.D.) waterline along Old U.S. 23 beginning near Calgon Carbon and continuing south along Old U.S. 23 and across new U.S. 23 to water tank south of Whites Creek.				
This will replace an existing critical aging transmission main that is partly in the Big Sandy River backwater with HDPE in a highly industrial area. The waterline is the main transmission line from the Kenova Water Treatment plant to Lawrence & Carter Counties and portions of Boyd County. The Kenova Water Treatment plant provides over 70% of the water source for the Big Sandy Water District and their 4,900 inudtrial, commercial and residential users.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,440,000	Administrative Expenses	\$36,000	
		Legal Expenses	6,000	
		Planning	20,000	
		Eng - Design / Const	103,200	
		Eng - Insp	64,800	
		Eng - Other	10,000	
		Construction	1,089,775	
		Contingency	110,225	
TOTAL	\$1,440,000	TOTAL	\$1,440,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	April 17, 2025		
	Construction Start	June 2, 2025		
	Construction Stop	October 1, 2025		
DEBT PER CUSTOMER	Existing	\$3,572		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,302	\$50.49 (for 4,000 gallons)	
	Additional	0	\$50.49 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	437,057	358,528	78,529	1.2
Audited 2022	502,873	313,969	188,904	1.6
Audited 2023	981,148	380,353	600,795	2.6

Scoring			Rubrick	Metrics		
BIG SANDY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,448	State MHI \$60,183	Percentage 97.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.22	2022 DCR 1.60	2023 DCR 2.58
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.87	2022 APT 16.95	2023 APT 18.27
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 40.89	2022 ARD 37.07	2023 ARD 33.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points			Between 30% and 50%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		36				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-003	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21161022	
BORROWER	WESTERN LEWIS-RECTORVILLE WATER & GAS DISTRICT MASON COUNTY			
BRIEF DESCRIPTION				
The Western Lewis-Rectorville Water & Gas District plans to construct a new 300,000 gallon elevated water storage tank on property they currently own adjacent to their former office building and warehouse. This project will be a benefit to their entire system as it will allow the District to meet growing demand and facilitate more efficient distribution system operation. The current 100,000 gallon tank no longer has the capability to serve the entire system which has grown in capacity since the tank's construction over 30 years ago. This project will also include an expansion to the current SCADA system as well as tank protection, including security locks, signage, and cage guards.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,148,850	Administrative Expenses	\$50,000	
		Legal Expenses	20,000	
		Planning	10,000	
		Eng - Design / Const	19,900	
		Eng - Insp	62,600	
		Eng - Other	28,000	
		Construction	1,895,300	
		Contingency	23,050	
		Other	40,000	
TOTAL	\$2,148,850	TOTAL	\$2,148,850	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Haworth-Meyer-Boleyn Professional Engineers, LLC		
PROJECT SCHEDULE	Bid Opening	May 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,849		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,340	\$42.38 (for 4,000 gallons)	
	Additional	0	\$42.38 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	384,380	210,120	174,260	1.8
Audited 2022	282,259	212,148	70,111	1.3
Audited 2023	230,258	211,017	19,241	1.1

Scoring			Rubrick	Metrics		
WESTERN LEWIS-RECTORVILLE WATER & GAS DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$43,251	State MHI \$60,183	Percentage 71.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.83	2022 DCR 1.33	2023 DCR 1.09
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.69	2022 APT 4.82	2023 APT 9.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 37.70	2022 ARD 40.18	2023 ARD 32.06
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		35				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND				Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-025 WX21177057
BORROWER		MUHLENBERG COUNTY WATER DISTRICT #3 MUHLENBERG COUNTY			
BRIEF DESCRIPTION					
Funds will be utilized to purchase two service trucks to replace two trucks currently being used. One being a 2015 Dodge Ram 1500 and the other a 2017 Dodge Ram 1500. These trucks have considerable mileage on them. The 2015 has 143,794 and the 2017 has 124,668. Replacing the trucks would be a considerable burden to the utility as trucks are a costly, but necessary expense.					
PROJECT FINANCING			PROJECT BUDGET		
Fund KYWWATERS Loan	\$	200,000	Equipment	\$	200,000
TOTAL	\$	200,000	TOTAL	\$	200,000
REPAYMENT	Rate Term	#REF! 30 Years	Est. Annual Payment 1st Payment	\$6,667 6 Mo. after first draw	
PROFESSIONAL SERVICES	Engineer	N/A			
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Jun-25 Jul-25 Aug-25			
DEBT PER CUSTOMER	Existing Proposed	\$0 \$0			
RESIDENTIAL RATES		Users	Avg. Bill		
	Current	2,068	\$0.00 (for 4,000 gallons)		
	Additional	0	\$0.00 (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 2021	153,303	0	153,303	n/a	
Audited 2022	30,907	0	30,907	n/a	
Audited 2023	77,819	0	77,819	n/a	

Scoring			Rubrick	Metrics		
MUHLENBERG COUNTY WATER DISTRICT #3						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$45,436	State MHI \$60,183	Percentage 75.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR #DIV/0!	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.30	2022 APT 1.58	2023 APT 1.15
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 46.34	2022 ARD 47.40	2023 ARD 43.28
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		35				

EXECUTIVE SUMMARY		Reviewer	Russell Neal	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-008	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21203009	
BORROWER	WESTERN ROCKCASTLE WATER ASSOCIATION ROCKCASTLE COUNTY			
BRIEF DESCRIPTION				
Project entails the construction of a new 100,000 Gallon Ground Storage Tank and appurtenances for the Burr Area portion of the water system. The Burr Area will also consist of constructing a new 30 GPM Water Booster Pumps Station to fill the new 100,000 Gall Tank. This will involve a short 4-inch PVC transmission main and appurtenances. In addition, the project entails the rehabilitation of an existing 25,000 gallon ground water storage tank and an existing 50,000 gallon ground water storage tank. Project entails the installation of approximately 3,000 LF of 3-Inch PVC SDR 17 Water Line along Glade Fork Road to serve eight (8) unserved customers, Replacement of an existing 200 GPM with a new 200 GPM pump station, and Replacing the existing SCADA/Telemetry system. There are at total of (15) locations that need SCADA upgrades: Water Office Master, Eight (8) tank sites, and Six (6) pump station sites.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,646,000	Administrative Expenses	\$12,500	
		Legal Expenses	12,500	
		Land, Easements	40,000	
		Eng - Design / Const	229,000	
		Eng - Insp	126,000	
		Eng - Other	25,000	
		Construction	2,910,000	
		Other	291,000	
TOTAL	\$3,646,000	TOTAL	\$3,646,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Monarch Engineering, Inc.		
PROJECT SCHEDULE	Bid Opening	Jul-26		
	Construction Start	Aug-26		
	Construction Stop	Feb-27		
DEBT PER CUSTOMER	Existing	\$2,434		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,070	\$45.48 (for 4,000 gallons)	
	Additional	0	\$45.48 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	230,660	174,691	55,969	1.3
Audited 2022	446,033	161,322	284,711	2.8
Audited 2023	144,089	186,619	(42,530)	0.8

Scoring			Rubrick	Metrics		
WESTERN ROCKCASTLE WATER ASSOCIATION						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$46,884	State MHI \$60,183	Percentage 77.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.32	2022 DCR 2.76	2023 DCR 0.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.69	2022 APT 4.82	2023 APT 9.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 5.99	2022 ARD 5.69	2023 ARD 5.76
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		35				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-107	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21173194	
BORROWER		CITY OF MOUNT STERLING MONTGOMERY COUNTY		
BRIEF DESCRIPTION				
The Greenbriar Dam Rehabilitation Project Phase II addresses critical repairs to the Greenbriar Lake Dam in Montgomery County, Kentucky, which serves as a primary water supply for Mount Sterling. The dam faces significant structural issues, including two active slope failures and spillway erosion, creating an unacceptable safety risk that could result in a dam breach and endanger downstream areas and the city’s water supply.				
Mount Sterling will utilize Cleaner Water Program funds (WX21173180) for emergency repairs. The project involves Interim Risk Reduction Measures (IRRM) to stabilize the dam temporarily. Key actions include replacing failed slopes with stone materials, reinforcing spillway walls, lowering the gravel walking path by 2 feet, modifying the sheet pile wall, and using grouted riprap to mitigate erosion.				
The City is collaborating with an engineering consultant to design these measures, with construction set to begin in Q1 2025 and complete by the end of 2025. Post-construction, ongoing monitoring will ensure the dam's stability during this interim period until a long-term water supply solution is implemented.				
Operating under an Emergency Action Plan (EAP), the City coordinates with agencies like the US Army Corps of Engineers and the Kentucky Dam Safety Section for required permits and regulatory compliance. The IRRM project aims to reduce immediate risks while planning for a permanent resolution to ensure the continued safety and reliability of Mount Sterling's water supply.				
Mount Sterling is applying for \$6,600,000 of WWATERS funding.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,600,000	Administrative Expenses	\$40,000	
		Eng - Design / Const	300,000	
		Eng - Insp	260,000	
		Construction	5,400,000	
		Contingency	600,000	
TOTAL	\$6,600,000	TOTAL	\$6,600,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Schnabel Engineerign		
PROJECT SCHEDULE	Bid Opening	March 25, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$302		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	5,670	\$33.81 (for 4,000 gallons)	
	Additional	0	\$33.81 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	2,083,760	667,133	1,416,627	3.1
Audited 2022	1,308,509	1,338,633	(30,124)	1.0
Audited 2023	2,197,856	336,638	1,861,218	6.5

Scoring			Rubrick	Metrics		
CITY OF MOUNT STERLING						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,970	State MHI \$60,183	Percentage 81.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 3.12	2022 DCR 0.98	2023 DCR 6.53
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 7.57	2022 APT 6.36	2023 APT 0.63
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 48.80	2022 ARD 51.29	2023 ARD 52.52
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		34				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-142	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21029047	
BORROWER	LOUISVILLE-JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT JEFFERSON COUNTY			
BRIEF DESCRIPTION				
This proposed project is part of a regional set of planned improvements in the former Bullitt Co. Sanitation District service area. The project will allow MSD to maximize the benefit of eliminating 3 other WWTP's and several pump stations, redirecting flows to more appropriate treatment facilities (within Jefferson and Bullitt Counties). This individual project will improve an existing problematic wastewater treatment plant and provide adequate capacity for existing and future conditions. Expanding and upgrading this wastewater treatment plant will allow for planned elimination of existing upstream wastewater treatment plants within the Bullitt County service area.				
This project will expand the existing 0.31 MGD Pioneer Village Wastewater Treatment Plant. The initial phase of the project will provide a capacity of 1.0 MGD (with the ability for further expansion to 2.0 MGD) and will include the construction of a new influent pump station located to better serve the watershed and allow for the future eliminations of the Hillview #3 WWTP, Union Tool Pump Station, and the Jewish Hospital Pump Station. The project is scalable and can be implemented in phasing with the WWTP improvements.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$31,900,000	Construction	\$31,900,000	
TOTAL	\$31,900,000	TOTAL	\$31,900,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GPD Group		
PROJECT SCHEDULE	Bid Opening	June 21, 2025		
	Construction Start	September 30, 2025		
	Construction Stop	August 30, 2027		
DEBT PER CUSTOMER	Existing	\$2,798		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	946	\$70.59 (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 2021	221,454,000	136,869,000	84,585,000	1.6
Audited 2022	244,922,000	138,389,000	106,533,000	1.8
Audited 2023	274,638,000	144,616,000	130,022,000	1.9

Scoring			Rubrick	Metrics		
LOUISVILLE-JEFFERSON COUNTY METROPOLITAN SEWER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$68,378	State MHI \$60,183	Percentage 113.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 1.97	2020 DCR 1.61	2021 DCR 1.62
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2019 APT 0.37	2020 APT 0.82	2021 APT 0.84
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2019 ARD 27.33	2020 ARD 26.22	2021 ARD 26.97
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		34				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-037 WX21107078
BORROWER		DAWSON SPRINGS WATER & SEWER SYSTEM HOPKINS COUNTY	
BRIEF DESCRIPTION			
This project will rehabilitate the two water storage tanks in the distribution system, rehabilitate the backwash basin at the water plant, replace water lines along Sycamore, West Hill, and Walnut Streets, and upgrade the filter controls at the water treatment plant. The project also includes the purchase of emergency standby generators for the water plant, intake, and pump stations in the system.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$3,497,000	Administrative Expenses	\$20,000
		Eng - Design / Const	487,000
		Eng - Insp	300,000
		Construction	2,140,000
		Equipment	500,000
		Other	50,000
TOTAL	\$3,497,000	TOTAL	\$3,497,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	GRW	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 30, 2025 September 1, 2025 December 31, 2026	
DEBT PER CUSTOMER	Existing	\$0	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	754	\$35.74 (for 4,000 gallons)
	Additional	0	\$35.74 (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 2021	389,169	205,523	183,646 1.9
Audited 2022	182,760	394,434	(211,674) 0.5
Audited 2023	24,086	250,679	(226,593) 0.1

Scoring			Rubrick	Metrics		
DAWSON SPRINGS WATER & SEWER SYSTEM						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,748	State MHI \$60,183	Percentage 57.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.99%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.89	2022 DCR 0.46	2023 DCR 0.10
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.03	2022 APT 7.50	2023 APT 4.68
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 32.48	2022 ARD 33.42	2023 ARD 34.26
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		33				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-088 WX21155063	
BORROWER		CITY OF LEBANON/LEBANON WATER WORKS CO INC MARION COUNTY		
BRIEF DESCRIPTION Replace all existing traditional water meters that are approximately 20 years old. (approx. 1,000 meters left to replace) with new, more accurate AMR or AMI/smart meter radio-read type water meters to help reduce non-revenue water. Additionally, labor efficiencies will be enhanced with the installation of AMI meters. This will result in customer usage gathering in a more timely, safer manner. Also, the project will include the assessment and mitigation of potential water quality issues throughout the distribution system with the installation of check valves and back flow prevention devices on susceptible customer connections as well as new service lines.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$10,000,000	Administrative Expenses	\$50,000	
		Land, Easements	5,000	
		Planning	35,000	
		Eng - Design / Const	530,000	
		Eng - Insp	327,000	
		Construction	8,222,500	
		Contingency	823,000	
		Other	7,500	
TOTAL	\$10,000,000	TOTAL	\$10,000,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	February 15, 2025 April 1, 2025 January 1, 2026		
DEBT PER CUSTOMER	Existing	\$4,532		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,860	\$24.34 (for 4,000 gallons)	
	Additional	0	\$24.34 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,098,952	514,007	584,945	2.1
Audited 2022	1,530,447	630,685	899,762	2.4
Audited 2023	1,210,943	645,329	565,614	1.9

Scoring			Rubrick	Metrics		
CITY OF LEBANON/LEBANON WATER WORKS CO INC						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$37,843	State MHI \$60,183	Percentage 62.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.14	2022 DCR 2.43	2023 DCR 1.88
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 1.30	2022 APT 0.88	2023 APT 0.64
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 44.56	2022 ARD 44.60	2023 ARD 40.81
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		33				

EXECUTIVE SUMMARY			Reviewer	Jeremy Skinner
KENTUCKY INFRASTRUCTURE AUTHORITY			Date	November 7, 2024
KY WWATERS FUND			KIA Loan Number	W25-089
REVOLVING LOAN / GRANT FUND			WRIS Number	WX21091106
BORROWER		CITY OF HAWESVILLE HANCOCK COUNTY		
BRIEF DESCRIPTION				
The proposed project will reduce water loss, improve redundancy and remove failing infrastructure within the Hawesville's water distribution system prior to the Hancock County Regional Water Treatment Plant (WX21091105) coming online. This project will allow Hawesville to operate in a more financial feasible and responsible manner. The project will replace a section of the distribution system that has had a historically high repair rate (Main Street & Main Cross, Harrison Street and the Judicial Center Booster Station) that will reduce the water loss of the system and provide a more sound operational position prior to becoming a wholesale purchaser. The project will also remove six dead-end water mains that require significant flushing to maintain water quality to the customers within their service area (Coal Bank Hollow & US 60 east to KY 69).				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,072,860	Administrative Expenses	\$0	
		Planning	2,500	
		Eng - Design / Const	131,400	
		Eng - Insp	79,700	
		Eng - Other	15,000	
		Construction	1,676,600	
		Contingency	167,660	
TOTAL	\$2,072,860	TOTAL	\$2,072,860	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bluegrass Engineering		
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$0		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	1,210	\$27.29 (for 4,000 gallons)	
	Additional	0	\$27.29 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	N/A	N/A	N/A	N/A
Audited 2022	N/A	N/A	N/A	N/A
Audited 2023	N/A	N/A	N/A	N/A

Scoring			Rubrick	Metrics		
CITY OF HAWESVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$59,824	State MHI \$60,183	Percentage 99.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	12	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		2 or More
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR #DIV/0!	2022 DCR #DIV/0!	2023 DCR #DIV/0!
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT #DIV/0!	2022 APT #DIV/0!	2023 APT #DIV/0!
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD #DIV/0!	2022 ARD #DIV/0!	2023 ARD #DIV/0!
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		32				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-136 SX21119019	
BORROWER	KNOTT COUNTY WATER AND SEWER DISTRICT KNOTT COUNTY			
BRIEF DESCRIPTION				
Project Description: The proposed project is to construct a new wastewater treatment plant in the Caney community of Knott County. The wastewater treatment plant will be owned and operated by the Knott County Water & Sewer District. The current wastewater treatment plant was damaged in the July 2022 flooding and is damaged beyond repair. This project will consist of construction of a new plant, the new plant will be located on property adjacent to the current plant and this property is out of the floodplain. The project will consist of WWTP Headworks, Sludge Holding Tanks and Sludge Disposal Unit, an on-site Duplex Lift Station 300gpm, a pre-equalization basin, 4 aeration basins, 6 blowers, 2 clarifiers, 2 UV disinfection chambers, a post-aeration basin, a lab building, security fencing, SCADA and control and plant piping.				
Need For Project: Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act: The Caney Wastewater Treatment Plant, adjacent to Alice Lloyd College in Pippa Passes, Kentucky, was severely damaged in the historic July 2022 flood. The current plant, built in the 1960's, is outdated and has reached its useful life. The plant services not only the college, which has a capacity of 1,000 + staff and students, but also the entire Caney community. The proposed project will benefit the community, giving them quality and reliable sewage services. Alice Lloyd College continues to grow, subsequently a more reliable sewage system is needed to accommodate the growing capacity.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,602,050	Administrative Expenses	\$50,000	
HB 1 (2024 RS)	3,500,000	Planning	279,000	
		Eng - Insp	270,800	
	-	Eng - Other	50,000	
	-	Construction	4,047,500	
		Other	404,750	
TOTAL	\$5,102,050	TOTAL	\$5,102,050	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Precision/RMJE		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	February 1, 2025 March 1, 2025 March 1, 2027		
DEBT PER CUSTOMER	Existing	\$5,061		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	102	\$22.56 (for 4,000 gallons)	
	Additional	0	\$22.56 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	817,569	376,328	441,241	2.2
Audited 2022	996,903	68,643	928,260	14.5
Audited 2023	1,170,130	677,576	492,554	1.7

Scoring			Rubrick	Metrics		
KNOTT COUNTY WATER AND SEWER DISTRICT						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$34,155	State MHI \$60,183	Percentage 56.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.17	2022 DCR 14.52	2023 DCR 1.73
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 32.28	2022 APT 8.97	2023 APT 10.74
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 42.47	2022 ARD 35.99	2023 ARD 40.03
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		31				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-105 SX21205041	
BORROWER	CITY OF MOREHEAD ROWAN COUNTY			
BRIEF DESCRIPTION				
The proposed project involves cleaning and installing a 36-inch fold-and-form PVC sewer liner into the existing 36-inch gravity reinforced concrete pipe (RCP) sewer line running parallel to US 60. This sewer line, made of concrete, spans approximately 18,100 linear feet and serves as the main wastewater artery, transporting all wastewater from the Downtown Sewershed to the Wastewater Treatment Plant (WWTP) located off Bullfork Road. The project will start near the Regal manufacturing facility at the discharge point of a 24-inch force main and extend southwest to the WWTP.				
This section of RCP is critical in providing service to the downtown area of Morehead, including Morehead State University, which together account for about 40% of all wastewater delivered to the WWTP. Recent televised inspections of the gravity sewer revealed structural failures, corrosion of the cement exposing steel reinforcements, and significant inflow and infiltration (I/I) issues during non-rain events, indicating that the line is beyond its useful life.				
Additionally, the project will address recent discoveries of corrosion in manholes and pipe sections related to discharges from force mains. These conditions have led to necessary repair work at multiple manholes and sections of the pipe. Evaluations of the existing transmission main determined that the most cost-effective solution is to clean and line the existing 36-inch sewer main and rehabilitate approximately 45 manholes. This approach will provide a long-term, cost-effective solution while allowing the Morehead Utility Plant Board (MUPB) to maintain its level of service for current and future ratepayers.				
To support the completion of this project, MUPB is applying for \$5,285,290 in WWaters funding. This funding will be crucial for addressing the structural failures and ensuring the continued operation and reliability of the wastewater infrastructure.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,285,290	Administrative Expenses	\$40,000	
		Planning	3,500	
		Eng - Design / Const	206,000	
		Eng - Insp	164,000	
		Construction	4,428,900	
		Contingency	442,890	
TOTAL	\$5,285,290	TOTAL	\$5,285,290	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	March 20, 2025 April 1, 2025 October 31, 2025		
DEBT PER CUSTOMER	Existing	\$5,397		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	5,428	\$32.15 (for 4,000 gallons)	
	Additional	0	\$32.15 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	3,963,599	1,362,274	2,601,325	2.9
Audited 2022	4,188,563	1,822,322	2,366,241	2.3
Audited 2023	3,230,253	1,505,272	1,724,981	2.1

Scoring			Rubrick	Metrics		
CITY OF MOREHEAD						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$45,746	State MHI \$60,183	Percentage 76.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.91	2022 DCR 2.30	2023 DCR 2.15
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 0.00	2022 APT 0.00	2023 APT 0.00
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 61.12	2022 ARD 61.75	2023 ARD 52.42
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		31				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054A	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199151	
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY		
BRIEF DESCRIPTION				
This project includes the construction of a new 250,000 Gallon elevated water storage tank to replace the old 50,000 gallon water to storage tank, which will improve the capacity and service to the area, any necessary upgrades at the existing Sandy Gap Pump Station and all necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,905,000	Administrative Expenses	\$10,000	
		Legal Expenses	15,000	
		Eng - Design / Const	123,800	
		Eng - Insp	76,500	
		Construction	1,500,000	
		Contingency	149,700	
		Other	30,000	
TOTAL	<u>\$1,905,000</u>	TOTAL	<u>\$1,905,000</u>	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (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 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-054B WX21199153
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY	
BRIEF DESCRIPTION			
The project consist of the following: 5,400 L.F. of existing 6" waterline replacement with 8" D.I. waterline along US 27 and 3,100 L.F. of existing 6" waterline replacement with 8" PVC waterline along Heather Way and all necessary appurtenances.			
If funds remain at project completion, the following additional waterlines will be constructed; 800 L.F. of existing 4" and 6" waterline replacement with 8" PVC waterline along KY 769, 2,800 L.F. of 4" PVC waterline extension along Mayfield School Road, 300 L.F. of 4" PVC waterline extension along Mark Welborn Road, and 2,600 L.F. of 3" PVC waterline extension along Broyles Road, and all necessary appurtenances.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$848,000	Eng - Design / Const	61,500
Funding Source 2	457,823	Eng - Insp	42,500
		Construction	1,086,919
		Contingency	114,904
TOTAL	\$1,305,823	TOTAL	\$1,305,823
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 April 1, 2026 September 1, 2026	
DEBT PER CUSTOMER	Existing	\$1,383	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	7,931	\$53.41 (for 4,000 gallons)
	Additional	0	\$53.41 (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 2021	1,546,609	743,579	803,030 2.1
Audited 2022	1,510,621	531,568	979,053 2.8
Audited 2023	1,818,809	699,478	1,119,331 2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-054C WX21199158
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY	
BRIEF DESCRIPTION			
The project consists of approximately 2,000 L.F. of 3" waterline extension along Broyles Road and meter reconnects to the 6" waterline along KY 39 from Broyles Road to East Coleman Road in order to abandon the existing AC waterline.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$249,000	Administrative Expenses	\$5,000
		Legal Expenses	10,000
		Planning	15,000
		Eng - Design / Const	21,000
		Eng - Insp	18,500
		Construction	163,000
		Contingency	16,500
TOTAL	\$249,000	TOTAL	\$249,000
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 April 1, 2026 September 1, 2026	
DEBT PER CUSTOMER	Existing	\$1,383	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	7,931	\$53.41 (for 4,000 gallons)
	Additional	5	\$53.41 (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 2021	1,546,609	743,579	803,030 2.1
Audited 2022	1,510,621	531,568	979,053 2.8
Audited 2023	1,818,809	699,478	1,119,331 2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-054D WX21199159	
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY		
BRIEF DESCRIPTION				
The project consists of approximately 1,000 L.F. of 3" waterline replacement along White Lane and Sherry Lane, one new pressure reducing valve along US 27 and all other necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$205,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	10,000	
		Eng - Design / Const	17,800	
		Eng - Insp	16,200	
		Construction	133,000	
		Contingency	13,000	
TOTAL	\$205,000	TOTAL	\$205,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 April 1, 2026 September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (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 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054E	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199160	
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY		
BRIEF DESCRIPTION				
The project consists of approximately 4,100 L.F. of 3" waterline replacement along Dry Branch Road with 4" PVC waterline and all other necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$343,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	28,200	
		Eng - Insp	23,300	
		Construction	238,000	
		Contingency	23,500	
TOTAL	\$343,000	TOTAL	\$343,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	0	\$53.41 (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 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-054F WX21199161
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY	
BRIEF DESCRIPTION			
The project consists of approximately 1,700 L.F. of 3" waterline replacement along B Goff Road, 500 L.F. of 6" waterline replacement under Pitman Creek along Cabin Hollow Road, and 250 L.F. 6" waterline replacement along Cedar Grove Road including a RxR bore replacement and all other necessary appurtenances. The project also will include meter reconnects to the 6" waterline along Rush Branch Road in order to abandon the 4" AC waterline.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$640,400	Administrative Expenses	\$5,000
		Legal Expenses	10,000
		Planning	15,000
		Eng - Design / Const	49,600
		Eng - Insp	36,000
		Construction	477,000
		Contingency	47,800
TOTAL	\$640,400	TOTAL	\$640,400
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 April 1, 2026 July 1, 2026	
DEBT PER CUSTOMER	Existing	\$1,383	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	7,931	\$53.41 (for 4,000 gallons)
	Additional	0	\$53.41 (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 2021	1,546,609	743,579	803,030 2.1
Audited 2022	1,510,621	531,568	979,053 2.8
Audited 2023	1,818,809	699,478	1,119,331 2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-054G WX21199162
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY	
BRIEF DESCRIPTION			
The project consists of approximately 20,000 L.F. of 6" waterline replacement along KY 39 with 6" PVC waterline and all other necessary appurtenances.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$2,162,000	Administrative Expenses	\$5,000
		Legal Expenses	10,000
		Planning	15,000
		Eng - Design / Const	138,400
		Eng - Insp	84,400
		Construction	1,736,000
		Contingency	173,200
TOTAL	\$2,162,000	TOTAL	\$2,162,000
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	December 1, 2025 April 1, 2026 July 1, 2026	
DEBT PER CUSTOMER	Existing	\$1,383	
RESIDENTIAL RATES		<u>Users</u> 7,931 0	<u>Avg. Bill</u> \$53.41 (for 4,000 gallons) \$53.41 (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 2021	1,546,609	743,579	803,030 2.1
Audited 2022	1,510,621	531,568	979,053 2.8
Audited 2023	1,818,809	699,478	1,119,331 2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-054H	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199163	
BORROWER		SOUTH EASTERN WATER ASSOCIATION PULASKI COUNTY		
BRIEF DESCRIPTION				
The project consists of extending approximately 2,650 L.F. of 3" PVC waterline along Malvin Hill Church Road and all necessary appurtenances.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$209,000	Administrative Expenses	\$5,000	
		Legal Expenses	10,000	
		Planning	15,000	
		Eng - Design / Const	17,700	
		Eng - Insp	16,000	
		Construction	131,500	
		Contingency	13,800	
TOTAL	\$209,000	TOTAL	\$209,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	April 1, 2026		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,383		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	7,931	\$53.41 (for 4,000 gallons)	
	Additional	10	\$53.41 (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 2021	1,546,609	743,579	803,030	2.1
Audited 2022	1,510,621	531,568	979,053	2.8
Audited 2023	1,818,809	699,478	1,119,331	2.6

Scoring			Rubrick	Metrics		
SOUTH EASTERN WATER ASSOCIATION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,564	State MHI \$60,183	Percentage 80.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.3%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.08	2022 DCR 2.84	2023 DCR 2.60
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.09	2022 APT 4.96	2023 APT 5.30
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.23	2022 ARD 27.24	2023 ARD 28.34
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2014 W25-147 WX21011042
BORROWER		SHARPSBURG WATER DISTRICT BATH COUNTY	
BRIEF DESCRIPTION			
The Sharpsburg Water District proposes a project to enhance water quality and operational efficiency by replacing outdated water meters and rehabilitating two aging water storage tanks.			
Meter Replacement: The district currently uses manual-read meters from three different brands, which are outdated and inaccurate. The project plans to replace approximately 1,600 customer meters with new radio-read meters compatible with updated software. This will improve billing accuracy, reduce water loss, and free up staff to focus on other essential maintenance tasks.			
Tank Rehabilitation: The project also involves rehabilitating the Reynoldsville and Whetstone water storage tanks, each with a 100,000-gallon capacity. Both tanks have deteriorating coatings that, if left unaddressed, could lead to corrosion, leaks, or structural failure. The rehabilitation will include sandblasting, repainting, and installing new equipment to improve water turnover quality, reducing the risk of stale water. Inspections will ensure that all necessary maintenance is completed.			
The Sharpsburg Water District is applying for \$1,407,000 in WWATERS funding to upgrade its water infrastructure, focusing on replacing outdated meters and rehabilitating two critical water storage tanks.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,407,000	Administrative Expenses	\$30,250
		Legal Expenses	9,750
		Eng - Design / Const	96,000
		Eng - Insp	61,000
		Equipment	1,100,000
		Other	110,000
TOTAL	\$1,407,000	TOTAL	\$1,407,000
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group PLLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	March 20, 2025 April 1, 2025 December 31, 2025	
DEBT PER CUSTOMER	Existing	\$563	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	1,742	\$0.00 (for 4,000 gallons)
	Additional	0	\$0.00 (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 2021	100,365	85,864	14,501 1.2
Audited 2022	78,010	85,837	(7,827) 0.9
Audited 2023	156,221	85,314	70,907 1.8

Scoring			Rubrick	Metrics		
SHARPSBURG WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,320	State MHI \$60,183	Percentage 82.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.17	2022 DCR 0.91	2023 DCR 1.83
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 7.01	2022 APT 7.51	2023 APT 8.69
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.92	2022 ARD 31.83	2023 ARD 34.92
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-101 WX21181006	
BORROWER		CITY OF CARLISLE NICHOLAS COUNTY		
BRIEF DESCRIPTION				
The City of Carlisle's water distribution system is in critical need of refurbishment. The existing system, characterized by numerous small diameter water lines made of unlined cast iron pipes with leaded joints, is severely outdated and prone to corrosion and tuberculation. This deterioration has led to significantly reduced water pressure and flow, with water lines originally 8 inches in diameter now functioning as 6-, 5-, or even 4-inch lines. Similarly, 6-inch lines have been reduced to an effective diameter of 4 inches or smaller. Many of these pipes date back to 1914 and frequently experience breaks and leaks, causing periodic service outages and posing serious health hazards to the community.				
The visible signs of disturbed pavement throughout the project area highlight the frequent and costly repairs that have been necessary due to these aging water lines. The unlined cast iron mains also contribute to a high chlorine demand and the formation of disinfection by-products (DBP), leading to violations of the DBP rule. These issues not only compromise water quality but also result in excessive operation and maintenance costs, further straining the city's resources.				
Addressing these critical infrastructure challenges is imperative for the well-being of Carlisle's residents. This project will replace approximately 1,050 linear feet of 8-inch water main and 1,600 linear feet of 10-inch water main along Main Street, as well as 1,000 linear feet of 4-inch water main along Douglas Court. These upgrades will significantly enhance the reliability and capacity of the water distribution system, ensuring consistent and safe water supply to the community.				
The refurbishment of Carlisle's water distribution system is a vital project that will provide numerous benefits to the community. It will improve water quality, enhance service reliability, reduce maintenance costs, and support economic growth, ultimately contributing to a healthier and more prosperous Carlisle.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,906,653	Legal Expenses	10,000	
		Land, Easements	20,000	
		Planning	10,000	
		Eng - Design / Const	124,393	
		Eng - Insp	55,000	
		Eng - Other	26,000	
		Construction	1,510,235	
		Contingency	151,025	
TOTAL	\$1,906,653	TOTAL	\$1,906,653	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 1, 2025 September 1, 2025 September 1, 2026		
DEBT PER CUSTOMER	Existing	\$367		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,204	\$46.90 (for 4,000 gallons)	
	Additional	0	\$46.90 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	439,686	94,489	345,197	4.7
Audited 2022	(292,405)	94,586	(386,991)	-3.1
Audited 2023	132,986	90,649	42,337	1.5

Scoring			Rubrick	Metrics		
CITY OF CARLISLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,922	State MHI \$60,183	Percentage 89.6%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 4.65	2022 DCR -3.09	2023 DCR 1.47
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 7.19	2022 APT 4.72	2023 APT 14.63
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 25.69	2022 ARD 24.99	2023 ARD 24.32
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-032 WX21183052	
BORROWER		OHIO COUNTY WATER DISTRICT OHIO COUNTY		
BRIEF DESCRIPTION				
This project includes installation of approx. 16,000 LF of new 16- inch and approx. 16,000 LF of new 12-inch PVC water transmission lines from the vicinity of the industrial Park East Tank to the HWY 69. This new transmission line would eliminate the need for the Goshen Booster pump station. This project also includes the replacement of approx. 7,500 LF of new 8-inch water main along US 62 from Goshen Church Road to Third St. in McHenry. Also, the replacement of approx. 2,000 LF of 6-inch waterline near the Echols pump station.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,196,000	Construction	\$4,822,500	
		Land, Easements	55,000	
		Eng - Design / Const	585,000	
		Eng - Other	10,000	
		Contingency	723,500	
TOTAL	\$6,196,000	TOTAL	\$6,196,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	Sep-25 Apr-26 Apr-27		
DEBT PER CUSTOMER	Existing	\$1,004		
RESIDENTIAL RATES	Current	Users 14,967	Avg. Bill \$47.55 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,339,793	823,102	516,691	1.6
Audited 2022	1,093,839	828,855	264,984	1.3
Audited 2023	1,457,271	976,917	480,354	1.5

Scoring	Rubrick	Metrics
OHIO COUNTY WATER DISTRICT		

1	Service area MHI compared to State MHI	10	>50%, 20 points 50%<80%, 15 points 80% >< 100% , 10 points	Utility MHI \$55,041	State MHI \$60,183	Percentage 91.5%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.63	2022 DCR 1.32	2023 DCR 1.49
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.35	2022 APT 3.93	2023 APT 1.23
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 30.42	2022 ARD 30.52	2023 ARD 31.04
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-044 SX21081003
BORROWER		GRANT COUNTY SANITARY SEWER DISTRICT GRANT COUNTY	
BRIEF DESCRIPTION Construction of a 450,000 gallon per day (GPD) sequencing batch reactor (SBR) for biological treatment. Presently, there are four (4) package treatment basins. One (1) existing package treatment basin will be converted to a pre and post equalization basin to help handle peak flows to the SBR and to the disinfection system. Another existing package treatment basin will be converted to a 60,000 gallon aerobic digester. In addition, pumping systems will be installed to work with the pre and post equalization basins, and electrical,			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$6,645,000	Administrative Expenses	\$50,000
Cleaner Water Grant	155,000	Legal Expenses	20,000
		Planning	190,000
		Eng - Design / Const	362,000
		Eng - Insp	250,000
	-	Construction	5,400,000
	-	Contingency	528,000
TOTAL	\$6,800,000	TOTAL	\$6,800,000
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	HMB Engineers, LLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	November 1, 2025 February 1, 2026 October 1, 2027	
DEBT PER CUSTOMER	Existing	\$1,926	
RESIDENTIAL RATES			
	Current	Users 1,660	Avg. Bill \$47.37 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	283,446	190,870	92,576 1.5
Audited 2022	231,511	190,858	40,653 1.2
Audited 2023	263,768	96,813	166,955 2.7

Scoring			Rubrick	Metrics		
GRANT COUNTY SANITARY SEWER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$55,807	State MHI \$60,183	Percentage 92.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.49	2022 DCR 1.21	2023 DCR 2.72
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.27	2022 APT 13.72	2023 APT 16.45
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 12.27	2022 ARD 13.72	2023 ARD 16.45
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-058	
REVOLVING LOAN / GRANT FUND		WRIS Number	No WRIS - Non-Capital	
BORROWER	LEDBETTER WATER DISTRICT LIVINGSTON COUNTY			
BRIEF DESCRIPTION				
Funding will be used to reduce current debt (approximately \$1.1M) held by Ledbetter Water and Sewer District, therefore decreasing the financial hardship placed on the district. This debt reduction project will allow the district to complete other construction projects without raising already high rates.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,100,000	Other - Debt Repayment	1,100,000	
TOTAL	\$1,100,000	TOTAL	\$1,100,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	n/a		
PROJECT SCHEDULE	Bid Opening	n/a		
	Construction Start	n/a		
	Construction Stop	n/a		
DEBT PER CUSTOMER	Existing	\$969		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,251	\$80.32 (for 4,000 gallons)	
	Additional	0	\$80.32 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	324,412	190,864	133,548	1.7
Audited 2022	255,022	316,777	(61,755)	0.8
Audited 2023	170,137	160,391	9,746	1.1

Scoring			Rubrick	Metrics		
LEDBETTER WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$68,430	State MHI \$60,183	Percentage 113.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.70	2022 DCR 0.81	2023 DCR 1.06
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.97	2022 APT 3.35	2023 APT 6.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.87	2022 ARD 28.21	2023 ARD 27.00
8	NOV or Agreed Order	10	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	10	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-060 WX21139035	
BORROWER		LEDBETTER WATER DISTRICT LIVINGSTON COUNTY		
BRIEF DESCRIPTION				
The project will add on a new water treatment plant to operate with the existing plant. Upgrades will be made to electrical panels as well as add a booster pump in the system to increase pressure in low pressure areas and these upgrades will include VFD's and other energy efficient components. The goal is to upgrade the system so it can be of more assistance to adjacent systems in times of emergency or as needed. This project will also add a new well to the plant for future use.				
The Water District currently is operating off of 1 good well source. Their backup well is operational, but includes elevated levels of iron, and is only used as a backup source. The proposed booster pump station will provide increased levels of service to the district's customers on the east end of the service area during low flow and loss of service from Crittenden-Livingston Water District.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,337,860	Administrative Expenses	\$10,000	
		Planning	3,000	
		Eng - Design / Const	176,559	
		Eng - Insp	86,167	
		Construction	1,758,500	
		Contingency	303,634	
TOTAL	\$2,337,860	TOTAL	\$2,337,860	
REPAYMENT	Rate Term	1.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Rivercrest Engineering Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	October 30, 2025 December 1, 2025 June 30, 2027		
DEBT PER CUSTOMER	Existing	\$3,973		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	1,251	\$80.32 (for 4,000 gallons)	
	Additional	0	\$80.32 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	324,412	190,864	133,548	1.7
Audited 2022	255,022	316,777	(61,755)	0.8
Audited 2023	170,137	160,391	9,746	1.1

Scoring			Rubrick	Metrics		
LEDBETTER WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$68,430	State MHI \$60,183	Percentage 113.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.70	2022 DCR 0.81	2023 DCR 1.06
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.97	2022 APT 3.35	2023 APT 6.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 29.87	2022 ARD 28.21	2023 ARD 27.00
8	NOV or Agreed Order	10	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	10	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		30				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-039	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21225065	
BORROWER		CITY OF MORGANFIELD UNION COUNTY		
BRIEF DESCRIPTION				
Installation of Chemical Storage and Feeder System at Morganfield WTP. Project will involve the installation two new bulk tanks, one day chemical feed pump and associated piping and appurtenances for the City’s proposed sodium hydroxide (caustic) feed system.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$485,000	Administrative Expenses	\$20,000	
		Legal Expenses	10,000	
		Planning	20,000	
		Eng - Design / Const	45,000	
		Eng - Insp	30,000	
		Eng - Other	10,000	
		Construction	300,000	
		Contingency	50,000	
TOTAL	\$485,000	TOTAL	\$485,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer			
PROJECT SCHEDULE	Bid Opening	July 1, 2025		
	Construction Start	January 1, 2026		
	Construction Stop	July 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,015		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	4,701	\$27.47 (for 4,000 gallons)	
	Additional	0	\$27.47 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	815,190	331,989	483,201	2.5
Audited 2022	445,913	331,769	114,144	1.3
Audited 2023	543,505	330,615	212,890	1.6

Scoring			Rubrick	Metrics		
CITY OF MORGANFIELD						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,047	State MHI \$60,183	Percentage 96.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.46	2022 DCR 1.34	2023 DCR 1.64
6	Accounts Payable Turnover less than 1	8	<1%, 8 points	2021 APT 0.00	2022 APT 0.00	2023 APT 0.00
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 4.94	2022 ARD 5.28	2023 ARD 4.74
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		28				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-031 WX21059112	
BORROWER		OWENSBORO MUNICIPAL UTILITIES DAVIESS COUNTY		
BRIEF DESCRIPTION				
The objective of this project is to replace our approximate 26,000 water meters with an Advanced Metering Infrastructure (AMI) water solution.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,000,000	Equipment	\$5,000,000	
TOTAL	\$5,000,000	TOTAL	\$5,000,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Owensboror Municipal Utilites		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 21, 2025 November 1, 2025 December 1, 2026		
DEBT PER CUSTOMER	Existing	\$1,263		
RESIDENTIAL RATES				
	Current	<u>Users</u> 61,051	<u>Avg. Bill</u> \$22.56 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	7,281,613	4,599,839	2,681,774	1.6
Audited 2022	7,026,206	4,596,672	2,429,534	1.5
Audited 2023	7,078,701	4,599,787	2,478,914	1.5

Scoring			Rubrick	Metrics		
OWENSBORO MUNICIPAL UTILITIES						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$52,897	State MHI \$60,183	Percentage 87.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.58	2022 DCR 1.53	2023 DCR 1.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.21	2022 APT 3.61	2023 APT 10.39
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 78.30	2022 ARD 76.75	2023 ARD 68.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		26				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-007	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21199156	
BORROWER		WESTERN PULASKI COUNTY WATER DISTRICT PULASKI COUNTY		
BRIEF DESCRIPTION				
THE PROPOSED PROJECT CONSISTS OF INSTALLING APPROXIMATELY 42,000 LF OF 12-INCH DUCTILE IRON WATER TRANSMISSION MAIN ALONG KENTUCKY HIGHWAY 80 AND KENTUCKY HIGHWAY 196 FROM THE NANCY, KENTUCKY AREA TO THE FAUBUSH, KENTUCKY AREA IN PULASKI COUNTY, KENTUCKY. The water transmission main will serve to transmit a large flow demand to Faubush, Kentucky area in western Pulaski County, This will allow a needed volume of flow to the western portion of the system served by the Lees Ford Pump Station.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,195,000	Administrative Expenses	\$7,500	
		Legal Expenses	7,500	
		Eng - Design / Const	430,000	
		Eng - Insp	212,000	
		Eng - Other	25,000	
		Construction	5,920,500	
		Contingency	592,500	
TOTAL	\$7,195,000	TOTAL	\$7,195,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MONARCH ENGINEERING, INC.		
PROJECT SCHEDULE	Bid Opening	Nov-25		
	Construction Start	Dec-25		
	Construction Stop	Jul-26		
DEBT PER CUSTOMER	Existing	\$2,481		
	Proposed	\$0		
OTHER DEBT		See Attached		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	5,520	\$36.51 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,045,714	700,196	345,518	1.5
Audited 2022	707,942	494,340	213,602	1.4
Audited 2023	1,215,014	867,562	347,452	1.4

Scoring			Rubrick	Metrics		
WESTERN PULASKI COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$55,246	State MHI \$60,183	Percentage 91.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.49	2022 DCR 1.43	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 5.26	2022 APT 5.20	2023 APT 5.96
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 39.64	2022 ARD 38.58	2023 ARD 40.43
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	6	50%+, 9 points 30%, 6 points	Between 30% and 50%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		26				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-024	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21073087	
BORROWER		FARMDALE SANITATION DISTRICT FRANKLIN COUNTY		
BRIEF DESCRIPTION The Farmdale Sanitation District has acquired ownership of seven (7) previously private wastewater systems that had a long history of poor performance, compliance issues and violations. In an effort to provide customers with safe and reliable sanitary sewer service, Farmdale proposes to design and construct an interceptor sewer system that is intended to eliminate six (6) of the outdated and potentially failing package WWTPs and collect the wastewater flow from those subdivisions down to a single large pump station which will then convey the sewer flow to the City of Frankfort's wastewater system for treatment. The package WWTP's to be eliminated serve the Coolbrook, Edgewood, Farmdale, Farmgate, Meadowbrook and Edgewood Subdivisions. In total, this project will benefit approximately 834 customers. The project includes approximately 13,800 LF of gravity sewer, 38,000 LF of force main, four pump stations, and a 2,000,000 million gallon wet weather detention basin, as well as the decommissioning of six (6) package WWTPs.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$8,000,000	Administrative Expenses	\$20,000	
		Construction	7,665,000	
		Contingency	315,000	
TOTAL	\$8,000,000	TOTAL	\$8,000,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers		
PROJECT SCHEDULE	Bid Opening	Dec-24		
	Construction Start	Feb-25		
	Construction Stop	Jun-26		
DEBT PER CUSTOMER	Existing	\$334		
	Proposed	\$0		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
		834	\$59.00 (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 2021	47,352	8,079	39,273	5.9
Audited 2022	(167,770)	0	(167,770)	n/a
Audited 2023	65,542	8,958	56,584	7.3

Scoring			Rubrick	Metrics		
FARMDALE SANITATION DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$71,537	State MHI \$60,183	Percentage 118.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 5.86	2022 DCR NA	2023 DCR 7.32
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.03	2022 APT 8.86	2023 APT 15.72
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 93.36	2022 ARD 93.28	2023 ARD 96.56
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		26				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-103	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21011002	
BORROWER	CITY OF OWINGSVILLE BATH COUNTY			
BRIEF DESCRIPTION				
The City of Owingsville is applying for \$200,000 from WWATERS to upgrade the disinfection system at the Owingsville Lagoon Wastewater Treatment Plant (WWTP) by converting from chlorine disinfection to peracetic acid (PAA). This transition aims to eliminate chlorinated compounds and harmful disinfection by-products (DBPs) from the Lagoon System's outfall discharge. Peracetic acid offers a safer and more manageable disinfection process compared to chlorine, with the added benefit of longer storage stability.				
Additionally, the City plans to install a valve and sewer line to split the sewer flow from its customers between the City of Owingsville Sewage Treatment Plant (STP) and the Bath County Industrial Park System (Kendill Springs STP). The Lagoon System is currently operating at full capacity, while the Kendill Springs Treatment Plant has the available capacity to handle additional flow.				
The project will also involve the setup and installation of a PAA tote for secondary disinfection, supplementing the existing UV system. If the PAA proves effective in eliminating E. coli, it will be introduced to the equalization basin with a variable flow rate. During any plant upsets, the PAA pump will be adjusted to ensure E. coli levels are kept well below the daily limit.				
This proposed project will improve water quality for the 706 connections within the system's serviceable area, representing approximately 100% of the serviceable connections.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$200,000	Administrative Expenses	\$1,148	
		Eng - Design / Const	5,000	
		Construction	193,852	
TOTAL	\$200,000	TOTAL	\$200,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	June 20, 2025		
	Construction Start	July 1, 2025		
	Construction Stop	December 31, 2025		
DEBT PER CUSTOMER	Existing	\$2,100		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	701	\$28.78 (for 4,000 gallons)	
	Additional	0	\$28.78 (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 2021	193,755	144,109	49,646	1.3
Audited 2022	225,868	146,116	79,752	1.5
Audited 2023	164,616	145,584	19,032	1.1

Scoring			Rubrick	Metrics		
CITY OF OWINGSVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,732	State MHI \$60,183	Percentage 69.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.34	2022 DCR 1.55	2023 DCR 1.13
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.08	2022 APT 11.53	2023 APT 10.15
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 55.58	2022 ARD 36.83	2023 ARD 37.80
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		25				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	John Brady November 7, 2024 W25-015 WX21161054	
BORROWER		CITY OF MAYSVILLE MASON COUNTY		
BRIEF DESCRIPTION The proposed project will construct approximately 30,000 LF of new 8-inch water distribution main from Maysville to Mayslick along US Highway 68. The new water main will be interconnected to the existing water distribution system near Mayslick at KY highway 324. A new water booster pump station will be constructed near the intersection of US Highway 68 and KY Highway 3071. This booster pump station will provide water to the Mayslick area.				
PROJECT FINANCING Fund KYWWATERS Loan		\$4,323,010	PROJECT BUDGET Administrative Expenses Planning Eng - Design / Const Eng - Insp Construction Contingency	\$60,000 16,000 264,630 142,880 3,454,400 345,600
TOTAL		\$4,323,010	TOTAL	\$4,283,510
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates, Incorporated		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2025 September 1, 2025 September 1, 2026		
DEBT PER CUSTOMER	Existing	\$15,846		
RESIDENTIAL RATES				
	Current Additional	Users 663 0	Avg. Bill \$38.60 (for 4,000 gallons) \$38.60 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	974,673	766,002	208,671	1.3
Audited 2022	686,898	832,103	(145,205)	0.8
Audited 2023	859,382	831,986	27,396	1.0

Scoring			Rubrick	Metrics		
CITY OF MAYSVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$44,262	State MHI \$60,183	Percentage 73.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.27	2022 DCR 0.83	2023 DCR 1.03
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.16	2022 APT 21.17	2023 APT 9.37
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.54	2022 ARD 28.32	2023 ARD 30.05
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		25				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-111 WX21175064	
BORROWER		CITY OF WEST LIBERTY MORGAN COUNTY		
BRIEF DESCRIPTION				
The City of West Liberty water system is set to replace two aging pumps, each 29 years old, that are critical to maintaining water supply for the region. These pumps, currently showing signs of failure, were originally designed to operate at a flow rate of 1,400 gallons per minute (GPM) but have degraded to 1,050 GPM. This reduction in capacity poses significant risks, including potential water supply interruptions and increased operational costs due to emergency repairs and higher energy consumption.				
West Liberty provides water to the Morgan County Water District through its West Liberty Water Treatment Plant (WTP), which has a design capacity of 2.0 million gallons per day (MGD) but an average daily production of 1.126 MGD. The current condition of the pumps threatens the plant's ability to meet peak demand, potentially resulting in low water pressure or outages, and emphasizes the need for immediate corrective action.				
West Liberty is applying for \$700,000 of WWATERS funding to replace the water intake pumps.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$700,000	Administrative Expenses	\$15,000	
		Construction	100,000	
		Equipment	500,000	
		Other	85,000	
TOTAL	\$700,000	TOTAL	\$700,000	
REPAYMENT	Rate Term	0.00% 30 Years		
PROFESSIONAL SERVICES	Engineer	TBD		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 20, 2025 July 1, 2025 March 31, 2026		
DEBT PER CUSTOMER	Existing	\$4,748		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	842	\$46.00 (for 4,000 gallons)	
	Additional	0	\$46.00 (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 2022	426,559	339,291	87,268	1.3
Audited 2023	503,799	342,617	161,182	1.5
Audited 2024	184,164	334,231	(150,067)	0.6

Scoring			Rubrick	Metrics		
CITY OF WEST LIBERTY						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,044	State MHI \$60,183	Percentage 79.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2022 DCR 1.26	2023 DCR 1.47	2024 DCR 0.55
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2022 APT 4.35	2023 APT 5.94	2024 APT 2.49
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2022 ARD 27.91	2023 ARD 34.92	2024 ARD 34.55
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		25				

EXECUTIVE SUMMARY			Reviewer		John Brady
KENTUCKY INFRASTRUCTURE AUTHORITY			Date		November 7, 2024
KY WWATERS FUND			KIA Loan Number		W25-038
REVOLVING LOAN / GRANT FUND			WRIS Number		WX21101141
BORROWER		HENDERSON COUNTY WATER DISTRICT HENDERSON COUNTY			
BRIEF DESCRIPTION This project proposes to address aging infrastructure and outdated equipment in order to reduce water loss. Project consists of replacing old meters with new ultrasonic meters to capture low-flow conditions, placing those new meters on cellular based AMI, installing new valves to be able to isolate zones, replacing old and or inoperable valves for the purpose of isolating zones based on purchase points, purchasing and installing pressure sensors and flow meters at strategic locations and connecting those to SCADA, SCADA upgrades, purchasing valve exercising equipment, installing zonal & sub zone meters. Water loss causes significant financial loss for the Henderson County Water District. Without reducing the amount of non-revenue water, the District will continue to experience further financial difficulty. Upgrading operational equipment will allow better detection and the location of leaks so they can be repaired, as well as the data collection and analysis of water loss in the distribution system. This project is needed to identify future projects to be constructed in order to satisfy the PSC mandate to reduce water loss.					
PROJECT FINANCING		PROJECT BUDGET			
Fund KYWWATERS Loan	\$1,125,000	Administrative Expenses	\$25,000		
		Legal Expenses	25,000		
		Eng - Design / Const	78,000		
		Eng - Insp	50,500		
		Construction	860,000		
		Contingency	86,500		
TOTAL	\$1,125,000	TOTAL	\$1,125,000		
REPAYMENT	Rate	1.75%	Est. Annual Payment		\$48,361
	Term	30 Years	1st Payment		6 Mo. after first draw
PROFESSIONAL SERVICES	Engineer	Kentucky Engineering Group			
PROJECT SCHEDULE	Bid Opening	Sep-25			
	Construction Start	Nov-25			
	Construction Stop	Sep-26			
DEBT PER CUSTOMER	Existing	\$414			
RESIDENTIAL RATES					
		<u>Users</u>	<u>Avg. Bill</u>		
	Current	6,467	\$0.00 (for 4,000 gallons)		
	Additional	0	\$0.00 (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 2021	792,040	588,885	203,155	1.3	
Audited 2022	436,112	453,767	(17,655)	1.0	
Audited 2023	420,860	517,618	(96,758)	0.8	

Scoring			Rubrick		Metrics	
HENDERSON COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$67,407	State MHI \$60,183	Percentage 112.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.34	2022 DCR 0.96	2023 DCR 0.81
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.97	2022 APT 1.67	2023 APT 2.22
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 53.49	2022 ARD 57.82	2023 ARD 57.30
8	NOV or Agreed Order	6	if yes, 6 points	NOV or AO?		Yes
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		22				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-096	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21061037	
BORROWER		EDMONSON COUNTY WATER DISTRICT EDMONSON COUNTY		
BRIEF DESCRIPTION				
This project consists of rehabilitation of three tanks in the Edmonson County Water District system. Two Steel tanks - The Peonia 75 & Peonia 85 tanks - will each get interior blasting and coating. The steel tanks will also get an exterior coating, and each will get a new mixing system, along with miscellaneous improvements. These steel tanks are over 35 years old and will need to be tested for lead and may need abatement and containment. The project will also include rehab for the Kessinger glass tank that will get power wash cleaning, mastic coating of all seams and bolts, a repaired float, new sacrificial anodes, and a new mixing system, along with miscellaneous improvements.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$860,000	Administrative Expenses	\$8,000	
		Legal Expenses	1,000	
		Planning	7,000	
		Eng - Design / Const	61,500	
		Eng - Insp	46,000	
		Construction	665,000	
		Contingency	66,500	
		Other	5,000	
TOTAL	\$860,000	TOTAL	\$860,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB		
PROJECT SCHEDULE	Bid Opening	November 1, 2025		
	Construction Start	December 1, 2025		
	Construction Stop	March 1, 2026		
DEBT PER CUSTOMER	Existing	\$923		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	11,281	\$32.70 (for 4,000 gallons)	
	Additional	0	\$32.70 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,590,766	890,480	700,286	1.8
Audited 2022	1,391,124	900,853	490,271	1.5
Audited 2023	1,161,172	831,106	330,066	1.4

Scoring			Rubrick	Metrics		
EDMONSON COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,748	State MHI \$60,183	Percentage 84.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.79	2022 DCR 1.54	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.14	2022 APT 25.47	2023 APT 4.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 11.99	2022 ARD 10.21	2023 ARD 14.10
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-096 WX21061038
BORROWER		EDMONSON COUNTY WATER DISTRICT EDMONSON COUNTY	
BRIEF DESCRIPTION			
Install zone meters to better be able to determine specific areas of the distribution system experiencing high water loss. Also install main line pressure regulators to lesson main line pressure increasing the reliability of the infrastructure. There are several ares of our system that have pressures in excess of 150 psi. This excess pressure causes undo stress on the system that can be eliminated with main line PRV's. Update billing software to enable the system to be able to identify usage by zones. The current software does not have the ability to break our usage by zones or areas do to no identifying characteristics in the account numbers to tie gallons used to a specific location in the system.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$981,154	Administrative Expenses	\$75,000
		Eng - Design / Const	84,140
		Construction	726,000
		Equipment	25,000
		Contingency	71,014
TOTAL	\$981,154	TOTAL	\$981,154
REPAYMENT	Rate	0.75%	
	Term	30 Years	
PROFESSIONAL SERVICES	Engineer	HMB	
PROJECT SCHEDULE	Bid Opening	February 1, 2025	
	Construction Start	May 1, 2025	
	Construction Stop	December 1, 2025	
DEBT PER CUSTOMER	Existing	\$923	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	11,281	\$32.70 (for 4,000 gallons)
	Additional	0	\$32.70 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	1,590,766	890,480	700,286 1.8
Audited 2022	1,391,124	900,853	490,271 1.5
Audited 2023	1,161,172	831,106	330,066 1.4

Scoring			Rubrick	Metrics		
EDMONSON COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,748	State MHI \$60,183	Percentage 84.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.79	2022 DCR 1.54	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.14	2022 APT 25.47	2023 APT 4.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 11.99	2022 ARD 10.21	2023 ARD 14.10
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Williams November 14, 2024 W25-017 WX21125044	
BORROWER	LONDON UTILITY COMMISSION LAUREL COUNTY			
BRIEF DESCRIPTION				
This project will replace both 500 HP raw water pumps and motors, as well as electrical equipment at the Laurel River Lake Raw Water Intake. This project will add a backup diesel generator and increase the reliability of the overall pump station with other various improvements such as power supply, gates, and automation. The raw water intake pumps and motors are old and beginning to show signs of wear and aging. This pump station serves as LUC's key source of raw water and is critical to the operation of the drinking water system. Repairs and maintenance of this system is becoming more and more frequent. These improvements will provide a more stable overall system as well as save energy and provide a backup power source.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,550,000	Eng - Design / Const	130,000	
		Eng - Insp	80,000	
		Eng - Other	40,000	
		Construction	2,300,000	
TOTAL	\$2,550,000	TOTAL	\$2,550,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	March 28, 2025 May 1, 2025 September 1, 2025		
DEBT PER CUSTOMER	Existing Proposed	\$2,884 \$0		
RESIDENTIAL RATES				
	Current Additional	Users 4,548 0	Avg. Bill \$33.70 (for 4,000 gallons) \$33.70 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,875,837	769,025	1,106,812	2.4
Audited 2022	2,190,793	769,194	1,421,599	2.8
Audited 2023	2,563,043	768,372	1,794,671	3.3

Scoring			Rubrick	Metrics		
LONDON UTILITY COMMISSION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,865	State MHI \$60,183	Percentage 86.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.44	2022 DCR 2.85	2023 DCR 3.34
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 3.57	2022 APT 1.77	2023 APT 1.68
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 63.58	2022 ARD 58.05	2023 ARD 60.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024
KY WWATERS FUND		KIA Loan Number	W25-098
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21011016
BORROWER		BATH COUNTY WATER DISTRICT BATH COUNTY	
BRIEF DESCRIPTION This project proposes to purchase and install two permanent 150 kW generators at two of the main pump stations (Owingsville and Midland). These generators will keep the system functional during power outages, ensuring continuous service for both residential and wholesale customers. The project also includes constructing chain-link fencing around five pump stations and one water tank (Salt Lick tank).Additionally, the project proposes adding two small generators at the Dickerson Hill and White Oak pump stations.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$333,500	Administrative Expenses	\$5,500
		Legal Expenses	5,000
		Land, Easements	11,000
		Planning	20,000
		Eng - Design / Const	31,000
		Eng - Insp	21,000
		Construction	200,000
		Contingency	20,000
		Other	20,000
TOTAL	\$333,500	TOTAL	\$333,500
REPAYMENT	Rate Term	0.75% 30 Years	
PROFESSIONAL SERVICES	Engineer	TBD	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 25, 2025 July 1, 2025 December 31, 2025	
DEBT PER CUSTOMER	Existing	\$252	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	4,100	\$31.24 (for 4,000 gallons)
	Additional	0	\$31.24 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	322,727	100,647	222,080 3.2
Audited 2022	199,917	75,509	124,408 2.6
Audited 2023	206,090	47,966	158,124 4.3

Scoring			Rubrick	Metrics		
BATH COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$51,926	State MHI \$60,183	Percentage 86.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 3.21	2022 DCR 2.65	2023 DCR 4.30
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.25	2022 APT 10.21	2023 APT 5.23
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 50.27	2022 ARD 50.64	2023 ARD 37.43
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY		Reviewer	John Brady	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-020	
REVOLVING LOAN / GRANT FUND		WRIS Number	sx21145036	
BORROWER		PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (JSA) MCCRACKEN COUNTY		
BRIEF DESCRIPTION Project is to upgrade the Woodlawn WWTP by modifying the existing effluent pumps as a feed system to a new dissolved air flotation (DAF)system, a new building to house the DAF system with dumpster pad for dewatering solids, new chemical phosphorus removal feed equipment, new disinfection system and a new effluent pump station to connect to the existing 12 inch force main and related site, mechanical and electrical work to increase design flow from 0.9 MGD to 1.35 MGD. The existing lagoon system is a facultative lagoon and suffers from algae concentration in the effluent samples, which affect effluent BOD5 and TSS quality.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,060,000	Administrative Expenses	\$0	
		Legal Expenses	5,000	
		Planning	15,000	
		Eng - Design / Const	390,000	
		Eng - Insp	150,000	
		Construction	6,000,000	
		Contingency	500,000	
TOTAL	\$7,060,000	TOTAL	\$7,060,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Strand Associates		
PROJECT SCHEDULE	Bid Opening	September 19, 2025		
	Construction Start	October 1, 2025		
	Construction Stop	May 22, 2027		
DEBT PER CUSTOMER	Existing			
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	14,772	\$27.32 (for 4,000 gallons)	
	Additional	0	\$27.32 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	5,505,747	2,208,556	3,297,191	2.5
Audited 2022	5,401,365	1,344,156	4,057,209	4.0
Audited 2023	6,056,369	2,435,793	3,620,576	2.5

Scoring			Rubrick	Metrics		
PADUCAH MCCRACKEN COUNTY JOINT SEWER AGENCY (JSA)						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$52,586	State MHI \$60,183	Percentage 87.4%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.49	2022 DCR 4.02	2023 DCR 2.49
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 4.12	2022 APT 3.85	2023 APT 6.48
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 20.47	2022 ARD 20.46	2023 ARD 20.31
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-034 SX21217018	
BORROWER		CITY OF CAMPBELLSVILLE TAYLOR COUNTY		
BRIEF DESCRIPTION				
This project will provide much needed improvements for the Campbellsville Wastewater Treatment Plant. Improvements include replacing mechanical equipment of final clarifiers, replacing four aerators on oxidation ditches with VFD/smart control, replacing four brush aerators for oxidation ditch #1/EQ, repairing concrete basin leaks on oxidation ditch #1 wall and splitter box #1 wall, and replacing influent mechanical bar screens and panel. This project will not modify the treatment process and will not modify the treatment capacity of the plant.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,313,000	Administrative Expenses	\$10,000	
		Planning	5,000	
		Eng - Design / Const	348,000	
		Eng - Insp	230,000	
		Construction	5,200,000	
		Contingency	520,000	
TOTAL	\$6,313,000	TOTAL	\$6,313,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Eclipse Engineers, PLLC		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 15, 2025 September 1, 2025 December 31, 2026		
DEBT PER CUSTOMER	Existing	\$3,375		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	4,727	\$30.54 (for 4,000 gallons)	
	Additional	0	\$30.54 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,566,572	801,759	764,813	2.0
Audited 2022	2,066,413	1,043,783	1,022,630	2.0
Audited 2023	2,978,136	1,304,945	1,673,191	2.3

Scoring			Rubrick	Metrics		
CITY OF CAMPBELLSVILLE						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$54,793	State MHI \$60,183	Percentage 91.0%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.95	2022 DCR 1.98	2023 DCR 2.28
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.03	2022 APT 1.43	2023 APT 1.54
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 26.90	2022 ARD 25.20	2023 ARD 26.30
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-049 SX21059074	
BORROWER		REGIONAL WATER RESOURCE AGENCY DAVIESS COUNTY		
BRIEF DESCRIPTION				
This project will replace or rehabilitate 11,000 LF of 30-inch force main that was installed in 1955 and is past the end of its usable life. This force main connects the Locust and Dublin Pump Stations to the Max Rhoads Waste Water Treatment Plant. This force main serves approximately 6,374 parcels, which include residential, commercial, and industrial customers. Additionally, this portion of the system is a combined sewer system and conveys 1,544 acres of storm water run off.				
This force main is at the end of its useful life and in need of repair due to I&I issues and general long term maintenance issues.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,424,000	Administrative Expenses	\$3,000	
		Eng - Design / Const	6,000	
		Eng - Insp	15,000	
		Construction	12,000,000	
		Contingency	400,000	
TOTAL	\$12,424,000	TOTAL	\$12,424,000	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	Regional Water Resource Agency		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	July 1, 2025 January 1, 2026 November 1, 2026		
DEBT PER CUSTOMER	Existing	\$502,245		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,116	\$56.47 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	11,080,653	4,023,314	7,057,339	2.8
Audited 2022	9,410,967	4,414,533	4,996,434	2.1
Audited 2023	12,438,294	8,324,718	4,113,576	1.5

Scoring			Rubrick		Metrics	
REGIONAL WATER RESOURCE AGENCY						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$64,238	State MHI \$60,183	Percentage 106.7%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.2%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.75	2022 DCR 2.13	2023 DCR 1.49
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.98	2022 APT 10.49	2023 APT 4.40
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.67	2022 ARD 21.17	2023 ARD 14.81
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		20				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-022	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21009047	
BORROWER	GLASGOW WATER COMPANY BARREN COUNTY			
BRIEF DESCRIPTION				
The Glasgow Water and Sewer Commission (GWC) is proposing to upgrade the Lucas WTP on Barren River Lake Reservoir from 12 MGD to 18 MGD. The expansion will be configured with a footprint to allow an additional 6 MGD at some point in the future to make the plant 24 MGD when needed. The plant expansion design will maintain conventional treatment process philosophy, which will include the addition of raw water pumps, a filter building, chemical building, sedimentation basins, and clearwell capacity. In addition to the WTP expansion, this project would include a 16" dual transmission main from the water plant to the point of deliver to better serve Fountain Run and Allen County. The GWC is a regional wholesaler, and this project will help meet the demands of neighboring water systems including Allen County Water District, Fountain Run Water District, Green River Valley Water District, Caveland Environmental Authority, and the City of Edmonton.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$ 52,700,000	Eng - Design / Const	\$ 2,600,000	
		Eng - Insp	2,100,000	
		Construction	45,000,000	
		Contingency	3,000,000	
TOTAL	\$ 52,700,000	TOTAL	\$ 52,700,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Canon & Canon		
PROJECT SCHEDULE	Bid Opening	June 1, 2025		
	Construction Start	August 1, 2025		
	Construction Stop	August 1, 2026		
DEBT PER CUSTOMER	Existing	\$460,720		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
		18,189	\$17.76 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	2,799,709	1,441,751	1,357,958	1.9
Audited 2022	2,158,804	1,436,046	722,758	1.5
Audited 2023	2,318,043	1,434,810	883,233	1.6

Scoring			Rubrick	Metrics		
GLASGOW WATER COMPANY						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$50,969	State MHI \$60,183	Percentage 84.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.4%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.94	2022 DCR 1.50	2023 DCR 1.62
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.62	2022 APT 3.03	2023 APT 2.13
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 19.74	2022 ARD 20.16	2023 ARD 21.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	0	if yes, 10 points	No		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		18				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-086	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21229029	
BORROWER	CITY OF SPRINGFIELD WASHINGTON COUNTY			
BRIEF DESCRIPTION				
To account for the extreme growth currently being seen in the industrial park, Springfield Water and Sewer Commission is planning to create a new pressure zone in the Industrial Park. The existing industrial park water tank will be taken off the City Pressure Zone and will be re-purposed to solely supply a new pressure zone. This need is driven by the future demand needs within the industrial park. An additional 500,000 gallon water tank will be installed within the City Zone to ensure proper supply is available to feed the rest of the City Zone.				
As part of the project, a constant-pressure booster pump station inside of the Industrial Park will sustain pressure in the new pressure zone to meet the demands. In addition, approximately 8,500 linear feet of 8-inch water line and 4,500 linear feet of 12-inch water line will be installed to create the needed infrastructure for the new pressure zone.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$4,876,500	Administrative Expenses	\$50,000	
		Legal Expenses	30,000	
		Land, Easements	20,000	
		Planning	83,000	
		Eng - Design / Const	268,000	
		Eng - Insp	144,000	
		Eng - Other	42,500	
		Construction	3,840,000	
		Contingency	399,000	
TOTAL	\$4,876,500	TOTAL	\$4,876,500	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	Dec-25		
	Construction Start	Mar-26		
	Construction Stop	Mar-27		
DEBT PER CUSTOMER	Existing	\$20,861		
	Proposed	\$0		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
		5,084	\$51.96 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,302,150	806,799	495,351	1.6
Audited 2022	1,431,689	903,538	528,151	1.6
Audited 2023	1,223,023	998,061	224,962	1.2

Scoring			Rubrick	Metrics		
CITY OF SPRINGFIELD						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$63,910	State MHI \$60,183	Percentage 106.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.61	2022 DCR 1.58	2023 DCR 1.23
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.00	2022 APT 1.60	2023 APT 1.04
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 5.45	2022 ARD 4.43	2023 ARD 3.78
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		16				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Sandy Sanders November 7, 2024 W25-087 WX21229030	
BORROWER		CITY OF SPRINGFIELD WASHINGTON COUNTY		
BRIEF DESCRIPTION				
Replace all existing traditional water meters (approx. 3,000 meters left to replace) with new, more accurate AMR or AMI/Smart Meter radio-read type water meters to help reduce non-revenue water. Additionally, labor efficiencies will be enhanced with the installation of electronic endpoints at each meter location. This will result in customer usage gathering in a more time, safer manner. Also, the project will include the assessment and mitigation of potential water quality issues throughout the distribution system with the installation of check valves and back flow prevention devices on susceptible customer connections.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$2,174,000	Administrative Expenses	\$0	
		Land, Easements	15,000	
		Eng - Design / Const	27,500	
		Eng - Insp	11,500	
		Eng - Other	20,000	
		Construction	400,000	
		Equipment	1,700,000	
TOTAL	\$2,174,000	TOTAL	\$2,174,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	Feb-25		
	Construction Start	Apr-25		
	Construction Stop	Jan-26		
DEBT PER CUSTOMER	Existing	\$20,861		
	Proposed	\$0		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
		5,084	\$51.96 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,302,150	806,799	495,351	1.6
Audited 2022	1,431,689	903,538	528,151	1.6
Audited 2023	1,223,023	998,061	224,962	1.2

Scoring			Rubrick	Metrics		
CITY OF SPRINGFIELD						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$63,910	State MHI \$60,183	Percentage 106.2%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.00	2022 DCR 0.00	2023 DCR 0.00
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.00	2022 APT 1.60	2023 APT 1.04
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 5.45	2022 ARD 4.43	2023 ARD 3.78
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		16				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-51	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21177035	
BORROWER		GREENVILLE UTILITIES COMMISSION MUHLENBERG COUNTY		
BRIEF DESCRIPTION The City of Greenville operates a 1.31 MGD wastewater treatment plant (WWTP) with a collection system consisting of fourteen (14) lift stations and approximately 319,000 linear feet of 2-inch to 18-inch sanitary sewer piping. The WWTP is in need of upgrade and repairs. The City is pursuing construction of a new 2.96 MGD WWTP complete with new headworks with influent screening, modifications to existing aeration lagoons, modifications to existing clarifiers, upgraded PAA system for disinfection, new outfall lift station, and new sludge dewatering bagging system. The WWTP is an extended aeration basin treatment facility consisting of one (1) mechanical cylindrical screen, two (2) aeration basins, two (2) clarifiers, a peracetic acid (PAA) contact tank, one (1) waste sludge storage lagoon, and a sludge dewatering belt press. The original WWTP was constructed in 1987, with two major rehabilitation / upgrade projects occurring in 2001 and 2012. A majority of the WWTP equipment is 20+ years old and in need of replacement. The WWTP components do not have the				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,673,000	Administrative Expenses	\$40,000	
		Eng - Design / Const	1,073,000	
		Eng - Insp	360,000	
		Eng - Other	235,000	
		Construction	10,449,000	
		Other	516,000	
TOTAL	\$12,673,000	TOTAL	\$12,673,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Commonwealth Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	September 30, 2025		
	Construction Start	November 1, 2025		
	Construction Stop	October 31, 2027		
DEBT PER CUSTOMER	Existing	\$19,756		
RESIDENTIAL RATES				
		<u>Users</u>	<u>Avg. Bill</u>	
	Current	2,046	attached (for 4,000 gallons)	
	Additional	0	attached (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	799,783	648,713	151,070	1.2
Audited 2022	1,103,144	648,410	454,734	1.7
Audited 2023	1,069,464	637,891	431,573	1.7

Scoring			Rubrick	Metrics		
GREENVILLE UTILITIES COMMISSION						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$67,822	State MHI \$60,183	Percentage 112.7%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.23	2022 DCR 1.70	2023 DCR 1.68
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 15.60	2022 APT 6.88	2023 APT 8.57
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 29.50	2022 ARD 45.06	2023 ARD 45.74
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		16				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-045 SX21117020
BORROWER		SANITATION DISTRICT #1 OF NORTHERN KENTUCKY KENTON COUNTY	
BRIEF DESCRIPTION			
The KY-17 Corridor Tunnel project involves a new gravity sewer that will convey flow from the intersection of Howard Litzler Road and KY-17 (collecting flow from existing MH-1950092) south to existing MH-1990110 near the Lakeview Pump Station, allowing for the abandonment of existing sewers in the unstable banks of Banklick Creek. The proposed ~7,400 linear foot (LF) sewer will be installed by tunneling and will have a carrier pipe from 30 inches to 42 inches in diameter.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$18,593,463	Administrative Expenses	\$261,169
SD1	7,810,227	Land, Easements	215,800
		Planning	172,759
		Eng - Design / Const	1,033,058
		Eng - Insp	547,649
		Construction	18,593,463
		Contingency	5,579,792
TOTAL	\$26,403,690	TOTAL	\$26,403,690
REPAYMENT	Rate	1.75%	
	Term	30 Years	
PROFESSIONAL SERVICES	Engineer	Hazen and Sawyer	
PROJECT SCHEDULE	Bid Opening	December 15, 2025	
	Construction Start	January 15, 2026	
	Construction Stop	March 31, 2028	
DEBT PER CUSTOMER	Existing	\$3,878	
OTHER DEBT		See Attached	
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>
	Current	107,394	\$52.89 (5 HCF) (for 4,000 gallons)
	Additional	52	\$52.89 (5 HCF) (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	73,227,676	33,057,911	40,169,765 2.2
Audited 2022	78,906,304	43,162,216	35,744,088 1.8
Audited 2023	92,039,155	33,260,288	58,778,867 2.8

Scoring			Rubrick	Metrics		
SANITATION DISTRICT #1 OF NORTHERN KENTUCKY						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$76,904	State MHI \$60,183	Percentage 127.8%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.22	2022 DCR 1.83	2023 DCR 2.77
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.76	2022 APT 1.14	2023 APT 1.35
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 36.42	2022 ARD 36.46	2023 ARD 47.85
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		16				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-149	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21073089	
BORROWER	CITY OF FRANKFORT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
Willow Pump Station Force Main Redirection project (Willow FM) is a part of Frankfort Sewer Department's (FSD) the Long Term Control Plan (LTCP) to address Combined Sewer Overflows (CSOs) and Sanitary Sewer Overflows (SSOs). Willow FM currently conveys a nearly sewer separated (Holmes Street) area flows to the combined sewer system. Now that this area is sanitary only, flows will be redirected to a sanitary only system and removed from the combined system.				
Additionally the project's scope includes a redesign of an existing storm sewers to keep wet weather flows from the Willow Pump Station and direct them towards Penitentiary Branch.				
The project includes the replacement of approximately 1,000 LF of storm sewer and approximately 5,000 LF of sanitary force main.				
There is direct inflow from CSO #16 into the Willow PS collection system. This connection will be removed/disconnected as part of the Willow PS Force Main Redirection project.				
The project is also being coordinated with Holmes Street Redevelopment Master Plan and has already recieved \$20 million for roadway improvements.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,884,100	Administrative Expenses	\$20,000	
		Legal Expenses	10,000	
		Land, Easements	10,000	
		Eng - Design / Const	65,000	
		Eng - Insp	150,000	
		Construction	3,276,000	
		Contingency	353,100	
TOTAL	\$3,884,100	TOTAL	\$3,884,100	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Hazen and Sawyer, P.S.C.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop			
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	36,149	\$42.88 (for 4,000 gallons)	
	Additional	0	\$42.88 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-149 No WRIS - Non Capital	
BORROWER		CITY OF FRANKFORT FRANKLIN COUNTY		
BRIEF DESCRIPTION				
This Regional Biosolids Study will develop alternatives to remove and destroy per- and polyflouroaklkyI substances (PFAS) from wastewater effluent and biosolids using current technologies. The study will screen PFAS seperation and destruction technologies for their ability to destroy PFAS to below current analytical reporting limits. Partner with communities surrounding the City of Frankfort (Georgetown, Versailles, Midway, Lawrenceburg, etc.) to develop a biosolids study to address emerging contaminants.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$500,000	Planning	500,000	
TOTAL	\$500,000	TOTAL	\$500,000	
REPAYMENT	Rate Term	1.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	N/A N/A N/A		
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	36,149	\$0.00 (for 4,000 gallons)	
	Additional	0	\$0.00 (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 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-141	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21073091	
BORROWER	CITY OF FRANKFORT FRANKLIN COUNTY			
BRIEF DESCRIPTION				
Lower PC3 will accelerate a portion of SX21073047 Prevention Park Pump Station Replacement (PC3) by constructing 10,500 LF dual 18" and 24" force mains from Holly Hill Drive to the existing junction box and Kentucky Ave and Benson Ave. The purpose of this project is to allow for the diversion flow from West Frankfort Pump Station and Pea Ridge Pump Station to the new lines.				
The City of Frankfort is currently under a Consent Judgment and has an approved Long Term Control Plan (LTCP). The City believes this project is an appropriate substitute project for several other projects listed in the LTCP since it diverts sanitary sewer flow from combined sewer systems. Thus the existing CSO will have additional capacity to convey flow and if CSO discharges occur, the flow will be have increased dilution. This project will provide cleaner water to the Kentucky River and reduces the occurrence of flooding in downtown Frankfort.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$12,898,500	Land, Easements	50,000	
		Eng - Design / Const	797,300	
		Eng - Insp	218,400	
		Eng - Other	20,000	
		Construction	10,738,900	
		Contingency	1,073,900	
TOTAL	\$12,898,500	TOTAL	\$12,898,500	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	GRW Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening	February 1, 2025		
	Construction Start	April 1, 2025		
	Construction Stop	October 1, 2027		
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES		<u>Users</u>	<u>Avg. Bill</u>	
	Current	36,149	\$42.88 (for 4,000 gallons)	
	Additional	0	\$42.88 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris November 7, 2024 W25-177 SX21073095	
BORROWER		CITY OF FRANKFORT FRANKLIN COUNTY		
BRIEF DESCRIPTION On October 13, 2023, a large portion of the exposed rock cliff fell resulting in the permanent closure of KY 1211 between Devils Hollow Road and Benson Valley Road. The rock face is considered as unstable. This event has placed an existing 30" RCP interceptor sewer at great risk being approximately 13 feet from the new edge. The Signal Ridge Tunnel project intends to construct approximately 1,600 LF of 30" Tunnel and expand the existing 8" sewer to 30" to convey the existing flow from the existing high risk sewer line.				
FSD will be submitting a project profile to obtain a SX number at the next BGADD Water Management Council Meeting.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$6,210,000	Administrative Expenses	\$7,500	
		Legal Expenses	18,750	
		Land, Easements	12,500	
		Eng - Design / Const	385,000	
		Eng - Insp	120,000	
		Construction	4,700,000	
		Miscellaneous	496,250	
		Contingency	470,000	
TOTAL	\$6,210,000	TOTAL	\$6,210,000	
REPAYMENT	Rate Term	1.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	QK4, Inc		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	May 1, 2025 July 1, 2025 October 1, 2026		
DEBT PER CUSTOMER	Existing	\$889		
RESIDENTIAL RATES	Current Additional	Users 36,149 0	Avg. Bill \$42.88 (for 4,000 gallons) \$42.88 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	6,383,404	4,225,281	2,158,123	1.5
Audited 2022	5,447,043	4,076,916	1,370,127	1.3
Audited 2023	6,055,091	4,195,565	1,859,526	1.4

Scoring			Rubrick	Metrics		
CITY OF FRANKFORT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$60,521	State MHI \$60,183	Percentage 100.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.9%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.51	2022 DCR 1.34	2023 DCR 1.44
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 12.74	2022 APT 14.61	2023 APT 7.21
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 1.33	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-036 WX21107079	
BORROWER		NEBO WATER DISTRICT HOPKINS COUNTY		
BRIEF DESCRIPTION				
This project consists of upgrading approximately 13,500 LF of small diameter waterline to 8" waterline, booster pump station, generator and telemetry upgrade. Project will connect Nebo Water District to Webster County Water District which will provide a backup source of water for Nebo WD. This project also consists of rehabilitating the NWD water tank located in Nebo with a polibrid liner and re-paint.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,933,000	Administrative Expenses	\$33,000	
		Legal Expenses	7,500	
		Land, Easements	10,000	
		Planning	13,000	
		Eng - Design / Const	124,500	
		Eng - Insp	10,000	
		Eng - Other	81,000	
		Construction	883,050	
		Equipment	605,000	
		Contingency	148,805	
		Other	17,145	
TOTAL	\$1,933,000	TOTAL	\$1,933,000	
REPAYMENT	Rate Term	1.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers, Inc.		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	June 1, 2025 September 1, 2025 May 31, 2026		
DEBT PER CUSTOMER	Existing	\$31		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,608	\$49.40 (for 4,000 gallons)	
	Additional	10	\$49.40 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	103,828	58,954	44,874	1.8
Audited 2022	(16,675)	41,672	(58,347)	-0.4
Audited 2023	70,429	31,864	38,565	2.2

Scoring			Rubrick	Metrics		
NEBO WATER DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$73,336	State MHI \$60,183	Percentage 121.9%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.76	2022 DCR -0.40	2023 DCR 2.21
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 30.79	2022 APT 19.32	2023 APT 16.44
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 34.55	2022 ARD 10.11	2023 ARD 7.45
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2014	
KY WWATERS FUND		KIA Loan Number	W25-145	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21215072	
BORROWER	CITY OF TAYLORSVILLE SPENCER COUNTY			
BRIEF DESCRIPTION				
This Taylorsville Asbestos Cement & Cast Iron Waterline Replacement project will replace 2,300 linear feet (LF) of 6" asbestos cement (AC) waterline and appurtenances to a water tank inside the City of Taylorsville city limits. It will also replace 1,000 LF of 6" AC waterline and appurtenances on Houston Court and will replace 6,200 LF (1.17 miles) of 8" AC waterline and appurtenances on S.R. 44 (Mt. Washington Road) from the City of Taylorsville's floodwall to the western part of Taylorsville's city limits at two (2) Spencer County schools. The project will also replace 1,800 LF of 6" cast iron waterline and appurtenances (30+ years old) on Taylorsville Road in the City of Taylorsville.				
Due to the United States Environmental Protection Agency (EPA) documented health concerns for these pipe materials (asbestos cement and old cast iron), the City of Taylorsville has been planning for their replacement for more than 3 years. Subsequently, the City of Taylorsville has had ALL of these lines designed and submitted to the Kentucky Division of Water (KDOW) an all have been APPROVED by KDOW.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,450,000	Administrative Expenses	\$32,000	
		Legal Expenses	8,000	
		Planning	25,000	
		Eng - Design / Const	103,200	
		Eng - Insp	64,800	
		Eng - Other	15,000	
		Construction	1,095,200	
		Contingency	106,800	
TOTAL	\$1,450,000	TOTAL	\$1,450,000	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	March 1, 2025		
	Construction Start	May 1, 2025		
	Construction Stop	December 1, 2025		
DEBT PER CUSTOMER	Existing	\$8,465		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	4,199	\$33.50 (for 4,000 gallons)	
	Additional	0	\$33.50 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	1,335,632	542,975	792,657	2.5
Audited 2022	1,592,727	537,897	1,054,830	3.0
Audited 2023	1,134,417	518,246	616,171	2.2

Scoring			Rubrick	Metrics		
CITY OF TAYLORSVILLE						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$97,855	State MHI \$60,183	Percentage 162.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.4%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 2.46	2022 DCR 2.96	2023 DCR 2.19
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 0.00	2022 APT 55.85	2023 APT 6.37
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 16.18	2022 ARD 17.52	2023 ARD 14.90
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-148	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21151039	
BORROWER	NORTHERN MADISON COUNTY SANITATION DISTRICT MADISON COUNTY			
BRIEF DESCRIPTION				
This project is the replacement of an existing sewer system including 2 pump stations. The service area is a 235 lot subdivision which was built in the approx. 50 years ago. The existing sewers have been smoke tested and tv'ed which disclosed many sags, and areas of infiltration and inflow. Rehab will include approximately 15,060 gravity sewers, 75 MH's and 12580 Ft. of laterals to reduce I & I in a subdivision of approximately 235 homes and collection system. This wastewater will be sent to the Regional WWTP (KY0105376) to be properly treated prior to discharge into the waters of the Commonwealth.				
The project is already designed and has obtained DOW approval of the Plans and Specs.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$5,431,500	Administrative Expenses	\$50,000	
		Legal Expenses	20,000	
		Land, Easements	10,000	
		Planning	5,000	
		Eng - Design / Const	329,000	
		Eng - Insp	171,000	
		Eng - Other	6,500	
		Construction	4,400,000	
		Contingency	440,000	
TOTAL	\$5,431,500	TOTAL	\$5,431,500	
REPAYMENT	Rate	1.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Nesbitt Engineering		
PROJECT SCHEDULE	Bid Opening	September 20, 2025		
	Construction Start	October 20, 2025		
	Construction Stop	March 30, 2026		
DEBT PER CUSTOMER	Existing	\$3,996		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,202	\$64.50 (for 4,000 gallons)	
	Additional	0	\$64.50 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	811,255	572,298	238,957	1.4
Audited 2022	742,506	555,756	186,750	1.3
Audited 2023	762,549	614,822	147,727	1.2

Scoring			Rubrick	Metrics		
NORTHERN MADISON COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$129,116	State MHI \$60,183	Percentage 214.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.42	2022 DCR 1.34	2023 DCR 1.24
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 6.49	2022 APT 2.93	2023 APT 4.52
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 66.88	2022 ARD 60.64	2023 ARD 39.15
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		10				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-072	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21237018	
BORROWER	CITY OF CAMPTON WOLFE COUNTY			
BRIEF DESCRIPTION				
The 2023 WTP Improvement Project will improve the current operating conditions of the existing WTP by replacing, rehabilitating, and updating the following items: membrane filters, high service pumps, raw water pumps, telemetry, chemical feed systems, metering pumps, filter controls, laboratory equipment/analyzers, various controls, valves & piping. The existing WTP was constructed in 2011. These improvements will improve finished water quality, operations, maintenance, reliability and redundancy to allow the WTP to meet future water demands and regulatory requirements. The project will include an comprehensive assessment and evaluation of the WTP and provide a targeted areas for improvements. The upgrades are necessary to improve the water distribution system.				
The Red River Gorge area has seen tremendous growth in the last couple years. With the development of remote work capabilities, more people are looking to get away from big cities and enjoy rural life and areas where they can rock climb, mountain bike, kayak, hunt, fish and enjoy other outdoor recreational activities. The current plant and source cannot meet the demand. Replacing and rehabbing the equipment is a first step in making sure that the City of Campton can continue meet the harsh demand that is being asked of its system until it can find alternative sources to assist in supply the ever increasing demand and possibly even increase its capacity later on.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$199,304	Administrative Expenses	\$75,000	
ARC	2,640,089	Legal Expenses	50,000	
CWP	398,607	Land, Easements	20,000	
Line Item Grant	350,000	Planning	160,000	
		Eng - Design / Const	191,000	
		Eng - Insp	146,000	
	-	Eng - Other	144,000	
	-	Construction	2,547,000	
	-	Contingency	255,000	
TOTAL	\$3,588,000	TOTAL	\$3,588,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	April 3, 2025		
	Construction Start	July 3, 2025		
	Construction Stop	April 30, 2026		
DEBT PER CUSTOMER	Existing	\$5,122		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,338	\$38.61 (for 4,000 gallons)	
	Additional	0	\$38.61 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	228,672	190,959	37,713	1.2
Audited 2022	179,411	232,817	(53,406)	0.8
Audited 2023	(54,470)	190,988	(245,458)	-0.3

Scoring			Rubrick	Metrics		
CITY OF CAMPTON						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,277	State MHI \$60,183	Percentage 47.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.8%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.20	2022 DCR 0.77	2023 DCR -0.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.49	2022 APT 7.49	2023 APT 6.71
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.07	2022 ARD 29.64	2023 ARD 28.95
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		64				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-071	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21237021	
BORROWER	CITY OF CAMPTON WOLFE COUNTY			
BRIEF DESCRIPTION				
Many of the water lines within the City limits of Campton have outlived their design, with a vast majority of them installed over 70 years ago. This project includes the design and construction components of replacing the aging facilities. As part of the project, any lead service lines identified will be replaced, including the private side of the meter.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$3,602,000	Administrative Expenses	\$50,000	
		Legal Expenses	100,000	
		Land, Easements	20,000	
		Planning	109,500	
		Eng - Design / Const	194,000	
		Eng - Insp	146,000	
		Eng - Other	120,500	
		Construction	2,592,000	
		Contingency	260,000	
		Other	10,000	
TOTAL	\$3,602,000	TOTAL	\$3,602,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Bell Engineering		
PROJECT SCHEDULE	Bid Opening	December 1, 2025		
	Construction Start	February 1, 2026		
	Construction Stop	December 30, 2026		
DEBT PER CUSTOMER	Existing	\$10,229		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	245	\$38.61 (for 4,000 gallons)	
	Additional	0	\$38.61 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	228,672	190,959	37,713	1.2
Audited 2022	179,411	232,817	(53,406)	0.8
Audited 2023	(54,470)	190,988	(245,458)	-0.3

Scoring			Rubrick	Metrics		
CITY OF CAMPTON						
1	Service area MHI compared to State MHI	20	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$28,277	State MHI \$60,183	Percentage 47.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.8%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.20	2022 DCR 0.77	2023 DCR -0.29
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 10.49	2022 APT 7.49	2023 APT 6.71
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 33.07	2022 ARD 29.64	2023 ARD 28.95
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		64				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-151	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21095023	
BORROWER	CITY OF EVARTS HARLAN COUNTY			
BRIEF DESCRIPTION				
The City of Evarts is proposing a project that will provide a reliable and accessible raw water supply for all city underserved residents and businesses. The project will include approximately 7,500 LF of new 8"PVS waterline from Sals Branch mine source and approximately 2,500 LF of 12" PVC on the Clover Fork River.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,500,000	Administrative Expenses	\$25,000	
		Planning	5,000	
		Eng - Design / Const	100,000	
		Eng - Insp	62,000	
		Eng - Other	20,000	
		Construction	1,172,500	
		Contingency	115,500	
TOTAL	\$1,500,000	TOTAL	\$1,500,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC		
PROJECT SCHEDULE	Bid Opening	October 24, 2024		
	Construction Start	December 24, 2024		
	Construction Stop	December 24, 2025		
DEBT PER CUSTOMER	Existing	\$1,775		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	1,500	\$36.64 (for 4,000 gallons)	
	Additional	1,160	\$36.64 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	(55,871)	55,100	(110,971)	-1.0
Audited 2022	(93,737)	50,429	(144,166)	-1.9
Audited 2023	(40,064)	74,033	(114,097)	-0.5

Scoring			Rubrick	Metrics		
CITY OF EVARTS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$32,512	State MHI \$60,183	Percentage 54.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -1.01	2022 DCR -1.86	2023 DCR -0.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.92	2022 APT 3.89	2023 APT 3.89
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 0.00	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points	50% or More		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		64				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-135	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21197019	
BORROWER	POWELL'S VALLEY WATER DISTRICT POWELL COUNTY			
BRIEF DESCRIPTION				
The project will relocate a water booster pump station and a portion of the associated water main. The existing pump station is located at the base of a range called Furnace Mountain and pumps to the Furnace Mountain tank in the eastern portion of the Powell's Valley Water District system. The slope on the hill above the pump station recently failed and the landslide pushed earth onto the pump station site, toppled trees near the radio telemetry control system and destroyed the pump station power supply service line. The service to the station was restored but the slide poses a serious threat to the underground water supply station and a health and safety risk to system employees.				
The project will construct a new station across the county road and a distance from the existing station away from the slide area. The new station will utilize as much salvaged equipment from the existing station as reasonably feasible. New water mains into and out of the station will be required due to the relocation and pressure classes of the mains.				
This project is necessary in order for the system to continue to provide potable water to the Powell's Valley Water District service area. It is also necessary in order to avoid health and safety risks currently in place with the current facilities.				
The District received approximately \$150,000 from Senate Bill 36. The project has increased in cost due to inflation since the inception of the original cost estimate to \$330,000. The District is requesting \$180,000 in KY WWATERS Funding in the form of loan/grant for which it is eligible.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$329,042	Administrative Expenses	\$5,000	
		Eng - Design / Const	32,500	
		Eng - Insp	23,800	
		Construction	242,800	
		Contingency	24,542	
		Other	400	
TOTAL	\$329,042	TOTAL	\$329,042	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky, Inc.		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
DEBT PER CUSTOMER	Existing	\$752		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,445	\$55.13 (for 4,000 gallons)	
	Additional	0	\$55.13 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	113,225	172,538	(59,313)	0.7
Audited 2022	127,507	166,570	(39,063)	0.8
Audited 2023	219,977	156,729	63,248	1.4

Scoring			Rubrick	Metrics		
POWELL'S VALLEY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,298	State MHI \$60,183	Percentage 81.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.66	2022 DCR 0.77	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.09	2022 APT 11.04	2023 APT 8.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.01	2022 ARD 25.56	2023 ARD 22.12
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		38				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-135	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21197021	
BORROWER	POWELL'S VALLEY WATER DISTRICT POWELL COUNTY			
BRIEF DESCRIPTION				
This project will upgrade existing pumps stations and tanks and install water mains to replace undersized mains and connect mains to eliminate dead ends. The tanks include Furnace Mountain Tank and the Mulch Plant Tank. The Black Creek Road hydropneumatic booster pump station will be replaced and telemetry will be installed to improve monitoring and control. Water line installations include Barkers Branch Road - SR 1036, Black Creek Road, Snow Creek Stone Road, Mulch Plant Parkway Bore and Brush Creek Parkway Bore. The project also includes replacing the water district office and adding radio read capabilities to existing water meters.				
Connecting water mains and eliminating dead ends improves water quality and protects against THM formation. The work on tanks promotes circulation to improve water quality and protect against THM formation.				
The project received a \$1,000,000 Budget Line Item in 2022. Due to inflation and increased costs since the inception of the original cost estimate the project cost is now projected to be \$3,500,000. The District is requesting \$2,500,000 in KY WWATERS Funding in the form of loan/grant for which it is eligible.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,295,610	Administrative Expenses	\$35,300	
22HB001 Fed Funds Line Item		Legal Expenses	16,400	
Grant	1,000,000	Land, Easements	10,000	
		Eng - Design / Const	140,100	
		Eng - Insp	85,300	
		Eng - Other	30,500	
		Construction	1,766,100	
		Contingency	176,610	
		Other	35,300	
TOTAL	\$2,295,610	TOTAL	\$2,295,610	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	MSE of Kentucky, Inc.		
PROJECT SCHEDULE	Bid Opening	TBD		
	Construction Start	TBD		
	Construction Stop	TBD		
DEBT PER CUSTOMER	Existing	\$752		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	2,445	\$55.13 (for 4,000 gallons)	
	Additional	0	\$55.13 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	113,225	172,538	(59,313)	0.7
Audited 2022	127,507	166,570	(39,063)	0.8
Audited 2023	219,977	156,729	63,248	1.4

Scoring			Rubrick	Metrics		
POWELL'S VALLEY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$49,298	State MHI \$60,183	Percentage 81.9%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.1%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 0.66	2022 DCR 0.77	2023 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.09	2022 APT 11.04	2023 APT 8.12
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 27.01	2022 ARD 25.56	2023 ARD 22.12
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		38				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner November 7, 2024 W25-004 SX21137024	
BORROWER		LINCOLN COUNTY SANITATION DISTRICT LINCOLN COUNTY		
BRIEF DESCRIPTION				
The project is the continuation of the sanitary sewer project for the US 127 corridor between Hustonville and Junction City. This is the Phase 3 portion of the project which will include the subdivisions along Ky Hwy 2141 (old US 127) and the area of Moreland west of the Railroad. It will also include a small portion of the City of Hustonville not included in Phase 1. This project will complete the US 127 Corridor area of Lincoln County for the Lincoln County Sanitation District by extending sanitary sewer to the majority of the developed areas. The Phase 3 project will plan to serve approximately 350 households and businesses. Any other existing housing in the area would be too costly to serve with sanitary sewer due to the distances between properties.				
To further support the need for this project, water quality sampling was conducted by the UK Water Research Institute this past spring. Sampling was done exclusively within the proposed project area to quantify the E. Coli levels in this sub-watershed. When comparing results against primary contact recreation standard for individual samples, only one sample (Site 1 on Feb 22) was below the criteria. Averages of sites ranged from 1.9 to 11.7 times the limit, with results increasing from north to south along US-127.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$7,417,402	Administrative Expenses	\$90,000	
Cleaner Water CWP	287,288	Legal Expenses	45,000	
		Land, Easements	45,000	
		Planning	20,000	
		Eng - Design / Const	441,110	
		Eng - Insp	199,000	
		Eng - Other	45,000	
		Construction	6,251,080	
		Contingency	568,500	
TOTAL	\$7,704,690	TOTAL	\$7,704,690	
REPAYMENT	Rate Term	0.75% 30 Years		
PROFESSIONAL SERVICES	Engineer	AGE Engineering, Inc		
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	November 1, 2025 February 1, 2026 February 1, 2027		
DEBT PER CUSTOMER	Existing	\$11,702		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	438	\$62.47 (for 4,000 gallons)	
	Additional	0	\$62.47 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2021	240,665	134,314	106,351	1.8
Audited 2022	212,608	128,635	83,973	1.7
Audited 2023	204,593	181,905	22,688	1.1

Scoring			Rubrick	Metrics		
LINCOLN COUNTY SANITATION DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$48,826	State MHI \$60,183	Percentage 81.1%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.5%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.79	2022 DCR 1.65	2023 DCR 1.12
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 2.26	2022 APT 7.05	2023 APT 5.37
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2021 ARD 61.59	2022 ARD 56.29	2023 ARD 83.67
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points			Less than 30%
10	Issue fully resolved	10	if yes, 10 points			Yes
11	High level of community support	0	if yes, 10 points			No
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points			No
		36				

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

Scoring			Rubrick	Metrics		
THE CITY OF RUSSELL KENTUCKY						
1	Service area MHI compared to State MHI	0	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$82,531	State MHI \$60,183	Percentage 137.1%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.5%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.02	2022 DCR 1.26	2023 DCR 0.16
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 168.76	2022 APT 75.30	2023 APT 115.75
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 30.09	2022 ARD 27.25	2023 ARD 26.04
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		34				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-030	
REVOLVING LOAN / GRANT FUND		WRIS Number	SX21195042	
BORROWER	CITY OF PIKEVILLE PIKE COUNTY			
BRIEF DESCRIPTION				
The project will clean, restore and repair existing concrete surfaces, particularly near the headworks and will install a protective coating for the concrete. During this process, temporary piping, fittings, and pumping will be installed to bypass the headworks for up to four months. Finally, an Odor Control Unit will be installed to help with both corrosion and odor issues around the plant.				
Due primarily to forced main contributions to the plant inflow, hydrogen sulfide vapor is being released at the head works at a much higher concentration than anticipated. Even corrosion resistant metals and the concrete structure itself is corroding. The concrete is spalling and will eventually expose rebar. It is necessary to repair these facilities before the damage interferes with the plant's function and/or its structural integrity.				
The upgrade of adding the protective coating and the odor control unit is primarily designed to help prevent or reduce future corrosion. Please note that the plant does treat sewer for areas located outside of the City of Pikeville, primarily with the City of Coal Run Village but also in some unincorporated areas.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,561,600	Administrative Expenses	\$2,000	
		Legal Expenses	2,000	
		Eng - Design / Const	155,800	
		Eng - Insp	103,800	
		Construction	1,081,700	
		Contingency	216,300	
TOTAL	\$1,561,600	TOTAL	\$1,561,600	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Not Yet Chosen		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	June 1, 2025		
	Construction Stop	December 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,614		
RESIDENTIAL RATES				
	Current	<u>Users</u> 4,149	<u>Avg. Bill</u> \$27.46 (for 4,000 gallons)	
REGIONAL COORDINATION This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	690,104	1,154,359	(464,255)	0.6
Audited 2020	992,858	397,218	595,640	2.5
Audited 2021	625,636	330,524	295,112	1.9
Audited 2022	593,066	413,060	180,006	1.4
Audited 2023	985,911	308,407	677,504	3.2

Scoring			Rubrick	Metrics		
CITY OF PIKEVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,896	State MHI \$60,183	Percentage 69.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.60	2020 DCR 2.50	2021 DCR 1.89
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT N/A	2020 APT N/A	2021 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 70.37	2020 ARD 46.15	2021 ARD 51.71
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		31				

EXECUTIVE SUMMARY		Reviewer	Sandy Sanders	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	November 7, 2024	
KY WWATERS FUND		KIA Loan Number	W25-029	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21195070	
BORROWER	CITY OF PIKEVILLE PIKE COUNTY			
BRIEF DESCRIPTION				
The project will upgrade electrical and control systems, high service pumps, and other facilities in addition to adding new treatment systems to address bromides, TTHM, and potential PFAS and other emerging contaminants regulations. Potential treatment could include activated Carbon.				
The plant was installed in the mid 1980s and the last electrical upgrades for the overall electrical and control systems were completed approximately 20 years ago. All but one of the high service pumps needs to be replaced, and treatment systems are being evaluated due to high bromides in the source water and continuing elevated TTHM levels. Consideration is being given to PFAS and other potential emerging contaminants.				
This project is repairing an existing plant that provides water to 90% of Pike County customers as well as some of Floyd County. The upgrades would ensure longterm ability to provide water for these regionally connected systems reliably and at improved efficiencies. Continuing to utilize older and lower efficiency equipment may not provide additional lower DBP water for neighboring systems, or use the existing system continuing to repair as it breaks.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$8,789,000	Administrative Expenses	\$2,000	
		Legal Expenses	2,000	
		Eng - Design / Const	525,000	
		Eng - Insp	210,000	
		Construction	7,000,000	
		Contingency	1,050,000	
TOTAL	\$8,789,000	TOTAL	\$8,789,000	
REPAYMENT	Rate	0.00%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Not yet chosen		
PROJECT SCHEDULE	Bid Opening	April 1, 2025		
	Construction Start	June 1, 2025		
	Construction Stop	December 1, 2026		
DEBT PER CUSTOMER	Existing	\$2,612		
RESIDENTIAL RATES				
	Current	Users	Avg. Bill	
		4,152	\$27.46 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2019	690,104	1,154,359	(464,255)	0.6
Audited 2020	992,858	397,218	595,640	2.5
Audited 2021	625,636	330,524	295,112	1.9
Audited 2022	593,066	413,060	180,006	1.4
Audited 2023	985,911	308,407	677,504	3.2

Scoring			Rubrick	Metrics		
CITY OF PIKEVILLE						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$41,896	State MHI \$60,183	Percentage 69.6%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.8%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2019 DCR 0.60	2020 DCR 2.50	2021 DCR 1.89
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2019 APT N/A	2020 APT N/A	2021 APT N/A
7	Accounts Receivable Days greater than 45	6	>45 days, 6 points	2019 ARD 70.37	2020 ARD 46.15	2021 ARD 51.71
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		31				

Attachment E

**Kentucky Infrastructure Authority
Kentucky WWATERS
New/Amended Project Evaluations
Executive Summaries and Score Sheets
Subject to Approval by KIA Board¹**

¹ Project evaluations will be presented to the KIA Board at its December 5, 2024 meeting.

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Rick Harris December 5, 2024 W25-116 N/A	
BORROWER	NICHOLAS COUNTY WATER DISTRICT NICHOLAS COUNTY			
BRIEF DESCRIPTION				
The Nicholas County Water District is currently navigating a critical recovery phase following a period of mismanagement and insufficient oversight. Despite effectively managing its four significant debt obligations, the district's small size and the pressing need for system improvements are hindered by these financial burdens. Additionally, the district is collaborating with Bourbon County on a pivotal regional industrial park project, further emphasizing the urgency for financial restructuring.				
To address these challenges, the Nicholas County Water District is seeking funding to consolidate and refinance its current, immediate debt obligations. This strategic move aims to combine their total debt of \$1,444,823.43 into a single, low-interest loan, thereby alleviating financial strain and enabling progress on essential improvements and continuing recovery. The debts targeted for consolidation include:				
Western Fleming County Water District debt: \$15,231.34 Kentucky Department of Revenue back taxes: \$10,719.69 Federal back taxes: \$197,872.40 USDA-RD loan: \$1,221,000				
These debts, while currently manageable, are stalling further advancements and delaying the Water District's recovery despite its ability to address the issues that caused its current situation. By restructuring these obligations into a single loan with a lower interest rate, the district can significantly reduce their financial impact and expedite recovery efforts.				
The back taxes owed to both the state of Kentucky and the federal government include all penalties and interest incurred. The district is actively negotiating with the IRS to reduce this burden. The root cause of these tax issues, primarily the failure to file Form 941, has been addressed through strategic staff hires, enhanced training, and implementation of commissioner oversight.				
The USDA-RD loan is instrumental in boosting revenue collection through the installation of over 1,600 radio read meters, ensuring accurate and timely meter readings. This is essential in not only increasing monthly revenue through more accurate meter reads, but it also increase the consistency and timeliness of those same revenues.				
The debt to the Western Fleming County Water District resulted from a catastrophic water loss due to a large leak, from which the district is still recovering. This debt was unavoidable and the infrastructure issue at the center of it has since been rectified.				
Refinancing will yield multiple benefits for the Nicholas County Water District: Cost savings, tax compliance, revenue enhancement, decrease in negative income, and operational efficiency.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$1,444,823	Administrative Expenses	\$0	
		Other	1,444,823	
TOTAL	\$1,444,823	TOTAL	\$1,444,823	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	N/A		
PROJECT SCHEDULE	Bid Opening	N/A		
	Construction Start	N/A		
	Construction Stop	N/A		
DEBT PER CUSTOMER	Existing	\$6,424		
RESIDENTIAL RATES		Users	Avg. Bill	
	Current	1,607	\$34.36 (for 4,000 gallons)	
	Additional	0	\$34.36 (for 4,000 gallons)	
REGIONAL COORDINATION	This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	39,782	178,084	(138,302)	0.2
Audited 2021	65,099	178,084	(112,985)	0.4
Non-Audited 2022	249,571	178,084	71,487	1.4

Scoring			Rubric	Metrics		
NICHOLS COUNTY WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$56,243	State MHI \$60,183	Percentage 93.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.7%	
3	Negative Income any 2 of previous 5 years	8	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		2
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.22	2021 DCR 0.37	2022 DCR 1.40
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 8.28	2021 APT 7.77	2022 APT 16.84
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 24.64	2021 ARD 25.36	2022 ARD 18.24
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		36				

EXECUTIVE SUMMARY KENTUCKY INFRASTRUCTURE AUTHORITY KY WWATERS FUND REVOLVING LOAN / GRANT FUND		Reviewer Date KIA Loan Number WRIS Number	Jeremy Skinner December 5, 2024 W25-151 WX21095023
BORROWER		CITY OF EVARTS HARLAN COUNTY	
BRIEF DESCRIPTION			
The City of Evarts is proposing a project that will provide a reliable and accessible raw water supply for all city underserved residents and businesses. The project will include approximately 7,500 LF of new 8"PVS waterline from Sals Branch mine source and approximately 2,500 LF of 12" PVC on the Clover Fork River.			
PROJECT FINANCING		PROJECT BUDGET	
Fund KYWWATERS Loan	\$1,500,000	Administrative Expenses	\$25,000
		Planning	5,000
		Eng - Design / Const	100,000
		Eng - Insp	62,000
		Eng - Other	20,000
		Construction	1,172,500
		Contingency	115,500
TOTAL	\$1,500,000	TOTAL	\$1,500,000
REPAYMENT	Rate Term	0.00% 30 Years	
PROFESSIONAL SERVICES	Engineer	Sisler Maggard Engineering, PLLC	
PROJECT SCHEDULE	Bid Opening Construction Start Construction Stop	October 24, 2024 December 24, 2024 December 24, 2025	
DEBT PER CUSTOMER	Existing	\$1,775	
RESIDENTIAL RATES		Users	Avg. Bill
	Current	1,500	\$36.64 (for 4,000 gallons)
	Additional	1,160	\$36.64 (for 4,000 gallons)
REGIONAL COORDINATION This project is consistent with regional planning recommendations.			
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service Coverage Ratio
Audited 2021	(55,871)	55,100	(110,971) -1.0
Audited 2022	(93,737)	50,429	(144,166) -1.9
Audited 2023	(40,064)	74,033	(114,097) -0.5

Scoring			Rubric	Metrics		
CITY OF EVARTS						
1	Service area MHI compared to State MHI	15	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$32,512	State MHI \$60,183	Percentage 54.0%
2	Affordability Index at or above 1	10	>1%, 10 points	Affordability	1.4%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	8	3 Years +, 12 points 3 Years, 8 points	2021 DCR -1.01	2022 DCR -1.86	2023 DCR -0.54
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 1.92	2022 APT 3.89	2023 APT 3.89
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 0.00	2022 ARD 0.00	2023 ARD 0.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	9	50%+, 9 points 30%, 6 points	50% or More		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		64				

EXECUTIVE SUMMARY		Reviewer	Jeremy Skinner	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	December 5, 2024	
KY WWATERS FUND		KIA Loan Number	W25-108	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21021041	
BORROWER	PARKSVILLE WATER DISTRICT BOYLE COUNTY			
BRIEF DESCRIPTION				
The Parksville Water District (PWD) will install a new connection with Danville Water at the West end of their distribution system along US 68.				
PWD will replace water line under Forkland Road that has been damaged and is leaking using a horizontal directional drill to place the new line.				
The project will repair aging 6" AC Line with new PVC Water line along Feathers Lane. The project will also replace water line that has become exposed along a new truck access route on Harberson Lane.				
Finally, the gate valves in the system have been failing and need to be tested, exercised, and replaced.				
The project will also provide a utility truck and mini excavator in order to self perform repair work that has been limited to contractors and emergency repairs due to the lack of equipment.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$972,000	Administrative Expenses	\$32,500	
		Legal Expenses	8,000	
		Land, Easements	9,000	
		Planning	5,000	
		Eng - Design / Const	53,000	
		Eng - Insp	44,000	
		Construction	623,000	
		Equipment	135,000	
		Contingency	62,500	
TOTAL	\$972,000	TOTAL	\$972,000	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	HMB Professional Engineers, LLC		
PROJECT SCHEDULE	Bid Opening	February 1, 2026		
	Construction Start	April 1, 2026		
	Construction Stop	September 1, 2026		
DEBT PER CUSTOMER	Existing	\$3,642		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	1,670	\$48.65 (for 4,000 gallons)	
	Additional	0	\$48.65 (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 2021	104,685	104,351	334	1.0
Audited 2022	128,675	105,268	23,407	1.2
Audited 2023	100,202	102,974	(2,772)	1.0

Scoring			Rubric	Metrics		
PARKSVILLE WATER DISTRICT						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$58,648	State MHI \$60,183	Percentage 97.5%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	1.0%	
3	Negative Income any 2 of previous 5 years	0	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		1 or Less
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	0	3 Years +, 12 points 3 Years, 8 points	2021 DCR 1.00	2022 DCR 1.22	2023 DCR 0.97
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2021 APT 8.14	2022 APT 10.04	2023 APT 10.61
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2021 ARD 41.15	2022 ARD 42.65	2023 ARD 43.11
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		20				

EXECUTIVE SUMMARY		Reviewer	Rick Harris	
KENTUCKY INFRASTRUCTURE AUTHORITY		Date	December 5, 2024	
KY WWATERS FUND		KIA Loan Number	W25-118	
REVOLVING LOAN / GRANT FUND		WRIS Number	WX21137066	
BORROWER		STANFORD WATER COMMISSION LINCOLN COUNTY		
BRIEF DESCRIPTION				
The City of Stanford Waterworks is seeking to add to their finished water supply, while also improving the transmission of water throughout their distribution system. The City of Stanford Waterworks has an existing interconnect to the City of Danville municipal system, which is only utilized during emergency events. However, due to limitations in line size and supply side pressures, the proposed project includes approximately 80,000 Linear Feet of 12" Water Main, and two 1.0 MGD pump stations to move additional water into and throughout the City of Stanford's distribution system. This project reduces stress on the existing water supply sources and water treatment plant, and improves resiliency for the customer base. The project also improves flow along U.S. 150 to the Rowland Industrial Tank to increase the level of service to the Rowland Industrial Park and support future growth along the U.S. 150 corridor.				
PROJECT FINANCING		PROJECT BUDGET		
Fund KYWWATERS Loan	\$15,847,080	Administrative Expenses	\$30,000	
		Land, Easements	20,000	
		Planning	40,000	
		Eng - Design / Const	894,080	
		Eng - Insp	250,000	
		Eng - Other	50,000	
		Construction	13,963,000	
		Contingency	600,000	
TOTAL	\$15,847,080	TOTAL	\$15,847,080	
REPAYMENT	Rate	0.75%		
	Term	30 Years		
PROFESSIONAL SERVICES	Engineer	Kenvirons, LLC.		
PROJECT SCHEDULE	Bid Opening	February 1, 2026		
	Construction Start	March 15, 2026		
	Construction Stop	December 30, 2026		
DEBT PER CUSTOMER	Existing	\$7,072		
RESIDENTIAL RATES				
		Users	Avg. Bill	
	Current	3,922	\$25.79 (for 4,000 gallons)	
	Additional	0	\$25.79 (for 4,000 gallons)	
REGIONAL COORDINATION				
This project is consistent with regional planning recommendations.				
CASHFLOW	Cash Flow Before Debt Service	Debt Service	Cash Flow After Debt Service	Coverage Ratio
Audited 2020	211,653	287,583	(75,930)	0.7
Audited 2021	140,457	288,096	(147,639)	0.5
Audited 2022	274,688	288,190	(13,502)	1.0

Scoring			Rubrick	Metrics		
STANFORD WATER COMMISSION						
1	Service area MHI compared to State MHI	10	>50%, 20 points 50%><80%, 15 points 80% >< 100% , 10 points	Utility MHI \$53,123	State MHI \$60,183	Percentage 88.3%
2	Affordability Index at or above 1	0	>1%, 10 points	Affordability	0.6%	
3	Negative Income any 2 of previous 5 years	12	3 Years +, 12 points 2 Years, 8 points	Number of Years Negative Income		3 or More
4	No audits in 1 of prior 3 years	0	2 Years +, 12 points 1 Year, 8 points	Number of Years No Audits		Audits Provided
5	DCR less than 1.1 in any 3 of prior 5 years	12	3 Years +, 12 points 3 Years, 8 points	2020 DCR 0.74	2021 DCR 0.49	2022 DCR 0.95
6	Accounts Payable Turnover less than 1	0	<1%, 8 points	2020 APT 3.20	2021 APT 6.58	2022 APT 1.84
7	Accounts Receivable Days greater than 45	0	>45 days, 6 points	2020 ARD 37.11	2021 ARD 35.75	2022 ARD 39.00
8	NOV or Agreed Order	0	if yes, 6 points	NOV or AO?		No
9	Water loss greater than 30%	0	50%+, 9 points 30%, 6 points	Less than 30%		
10	Issue fully resolved	10	if yes, 10 points	Yes		
11	High level of community support	0	if yes, 10 points	No		
12	Regionalization, consolidation, or partnerships	0	if yes, 10 points	No		
		44				