

Build Kansas Fund | Fiscal Year 2025 Application Package | Memo



To: Representative Troy Waymaster, Chair, Build Kansas Advisory Committee
Chardae Caine, Kansas Legislative Research Department
Shauna Wake, Office of the Kansas State Treasurer

From: Matthew A. Volz, PE, Executive Director, Kansas Infrastructure Hub

RE: Build Kansas Fund Application #2025-086-SEKRPC

Date: March 14, 2025

Attached, please find an application made to the Build Kansas Fund by the Rural Water District #5 of Crawford County. The application packet includes the following items:

- Coversheet – provides a high-level overview of the application including a unique identification number, page 1 of 11 of the Build Kansas Fund Application Package.
- Build Kansas Fund Application – includes information submitted with the Build Kansas Fund Application, pages 2-7. Page 8 provides the table of funding sources and zip codes served.
- Attachments – executive summary, pages 9-11.

Project Overview

The Rural Water District #5 of Crawford County seeks funding from the U.S. Department of Interior for funding available through the WaterSMART Environmental Water Resources Program for the purpose of making upgrades to metering of entire water system and improvements at two water treatment plants.

This opportunity is a discretionary BIL program with a local match requirement of 25% of the total project cost. The entity is requesting \$356,250.00 from the Build Kansas Fund, and a local match of \$10,000.00 with an in-kind contribution of \$8,750.00. This request has the potential to unlock \$1,125,000.00 in federal funds for a total project cost of \$1,500,000.00.

The deadline is currently to be determined, and this Build Kansas Fund application was received on January 5, 2025.

Build Kansas Fund Steering Committee Recommendation

The Build Kansas Fund Steering Committee reviewed this application on March 12, 2025, following a successful completeness check. The Steering Committee **RECOMMENDS APPROVAL** of Build Kansas Funding to the Build Kansas Advisory Committee for final advice.

Build Kansas Fund | Fiscal Year 2025 Application Package | Coversheet



Build Kansas Fund Application Number	2025-086-SEKRPC
Applicant Name	Rural Water District No. 5, Crawford County, KS
Application Date Received	1/5/2025
Project Name	Revitalizing Water Quality Infrastructure in Crawford County, Kansas - Improving Family Health, Rural Livability, and Economic Strength
Project Description	Upgrades to metering of the entire water system and improvements at two water treatment plants.
Entity Type	Rural Water District
Economic Development District (EDD) Planning Commission	Southeast KS Regional Planning Commission
Infrastructure Sector(s)	Water
BIL Program	WaterSMART Environmental Water Resource Projects
BIL Program Type	Discretionary
Application Type	Implementation
BIL Application Deadline	Paused-TBD
Build Kansas Fund Request	\$356,250.00
Technical Assistance Received	General Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	BIL Application Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Build Kansas Fund Application Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Other (Brief Description): Provided general, BIL application, and BKF Application support.
Application Notes	Build Kansas Fund contribution of \$356,250.00 will unlock \$1,125,000.00 in federal BIL funding, with a local cash contribution of \$10,000.00 and in-kind contribution of \$8,750.00 for a total project cost of \$1,500,000.00.

Steering Committee Funding Recommendation	3/12/2025 Recommend <input checked="" type="checkbox"/> Declined <input type="checkbox"/>
Advisory Committee Funding Recommendation	3/18/2025 Recommend <input type="checkbox"/> Declined <input type="checkbox"/>

Title **RURAL WATER DISTRICT NO. 5, CRAWFORD COUNTY, KANSAS** 01/05/2025
 id. 49240818
 by **James Lookadoo** in **Build Kansas Fund Application**
 j.lookadoo@ieee.org

Original Submission 01/14/2025

Score n/a

Part 1: Applicant Information

The name of the entity applying for the Build Kansas Fund: RURAL WATER DISTRICT NO. 5, CRAWFORD COUNTY, KANSAS

Project Name: Revitalizing Water Quality Infrastructure in Crawford County, Kansas - Improving Family Health, Rural Livability, and Economic Strength

Entity type: Other

If you selected "other," please describe your organization: Kansas Rural Water District established as a Quasi Municipality

Applicant Contact Name: James Lookadoo

Applicant Contact Position/Title: Grant Adjunct for RWD #5 Board

Applicant Contact Telephone Number: +16207048193

Applicant Contact Email Address: j.lookadoo@ieee.org

Applicant Contact Address: 1181 E 533 AVE

Applicant Contact Address Line 2 (optional):

Applicant Contact City: Pittsburg

Applicant Contact State: Kansas

Applicant Contact Zip Code: 66762

Is the Project Contact the same as the Applicant Contact? Yes

Part 2: Build Kansas Fund - Eligibility Criteria

Certify that you are pursuing a Bipartisan Infrastructure Law (BIL) funding opportunity for which your entity is eligible: Yes

Certify that the Bipartisan Infrastructure Law (BIL) funding opportunity you are pursuing has a required non-federal match component: Yes

What is the primary county that the project will occur in? Crawford County

The Build Kansas Fund is intended to support Kansas-based infrastructure projects. Please provide a list of all the zip codes this project will be located in, along with an estimated percent [%] of the project located in that zip code. For example, if seeking funding for road infrastructure, provide a rough percent of the roads expected in each zip code:

[Zip Code Percentage.xlsx](#)

Part 3: Bipartisan Infrastructure Law (BIL) - Grant Application Information
Please Note: This information is related to the federal Bipartisan Infrastructure Law (BIL) funding opportunity to which you will apply. This is NOT information for the Build Kansas Match Fund.

Please enter the Bipartisan Infrastructure Law (BIL) funding opportunity title that the entity is applying for: WaterSMART Environmental Water Resources Projects for Fiscal Year 2024 Round 2

What is the funding agency for this Bipartisan Infrastructure Law (BIL) funding opportunity?	U.S. Department of Interior
What is the Assistance Listing Number (ALN) for this Bipartisan Infrastructure Law (BIL) funding opportunity?	15.507
What is the federal application due date for this Bipartisan Infrastructure Law (BIL) funding opportunity?	Paused-TBD
Application Type:	Implementation
What is the federal fiscal year for this Bipartisan Infrastructure Law (BIL) funding opportunity?	2025
Enter the amount of funding being applied for, from the Bipartisan Infrastructure Law (BIL) funding opportunity:	\$1,125,000.00 for a total project cost of \$1,500,000.00
Enter the total project cost:	\$1,500,000.00
Enter the required non-federal match percentage:	25%

Part 4: Build Kansas Fund - Match Application Information Beginning in July 2024 and moving forward, eligible applicants are expected to contribute a portion of the non-Federal match requirement. This contribution can be in the form of cash and/or in-kind contributions. The goal is to demonstrate the applicant's commitment to the project. The contribution should be significant enough relative to the Build Kansas Fund request. For a local public entity, 5% of the non-federal match is a good guideline, but not a requirement. See Build Kansas Fund Program Guidance for exceptions and more information.

Enter the non-federal cash match amount being requested from the Build Kansas Fund: \$356,250.00 for a total project cost of \$1,500,000.00

Enter the non-federal cash match amount being provided by the eligible applicant, if applicable: \$10,000.00 for a total project cost of \$1,500,000.00

Enter the estimated value of the non-federal in-kind match amount being provided by the eligible applicant, if applicable: \$8,750.00 for a total project cost of \$1,500,000.00

Expected breakdown of funding sources to support the project: Enter the funding source and projected amount from each source to support this project:

[Kansas+DOT+table_V2.xlsx](#)

Part 5: Build Kansas Fund - Means Test and Eligible Applicant Match

What other available funding sources that are currently planned to go unused by your entity will be leveraged for this project? \$0

Will any American Rescue Plan Act (ARPA) or Coronavirus State & Local Fiscal Recovery Fund monies will be used for the non-federal match? \$0

What other sources of in-kind match will be leveraged for this project? Please list and include the actual or estimated value of each. The In-Kind match from RWD #5 is \$8,750. This is from 43.75 hours of support pledged from an electrical engineer for the project planning and implementation at a value of \$200 per hour. The electrical engineer is a RWD #5 Benefit Unit holder and is not employed or compensated by the district.

What other funding sources (local, federal, or non-federal) will be used for this match? \$0

Describe your efforts to find other available funding sources for this project: Extensive searches were made through Grants.gov and other potential sources. The selected grant opportunity provided the optimal match for our project goals and timing. No other sources were discovered that matched amounts, objectives, and eligibility limits we have.

Part 6: Additional Information

Please upload a draft or final version of the Bipartisan Infrastructure Law (BIL) program grant application associated with this request OR an executive summary providing an overview of the project:

[RWD_5_executive_summary.docx](#)

Provide any additional information about this project not covered in previous sections of this application (optional): The first activity to be undertaken if funded will be a full systems analysis by the district's engineering consultants. This analysis will allow precise plans and costs for the plant upgrades and will provide better budget values to be generated for those activities.

Part 7: Terms and Conditions

Understanding of Fund Release Requirements: checked

Understanding of Use of Funds: checked

Understanding of Reporting Requirements: checked

Authority to Make Grant Application: checked

Persons and Titles: James Lookadoo
The following persons are responsible for making this Build Kansas Fund application.

Position/Title: Grant Writing Adjunct for RWD #5 Board

Additional:

Position/Title:

Additional:

Position/Title:

Additional:

Position/Title:

Source	Amount	% of Project
Build Kansas Funds (non-federal match)	\$356,250.00	23.75%
Eligible Applicant Cash Match	\$10,000.00	0.67%
Eligible Applicant In-Kind Match (estimated value)	\$8,750.00	0.58%
BIL Federal Funds (applied for)	\$1,125,000.00	75.00%
Additional Project Contribution (if applicable)		
TOTAL PROJECT COST	\$1,500,000.00	100.00%

Zip Code	% of project in zip code	State
66762	95%	Kansas
66760	5%	Kansas
	100%	in Kansas

February 28, 2025

Rural Water District No. 5, Crawford County, Kansas

An Executive Summary for the proposed project

Revitalizing Water Quality Infrastructure in Crawford County, Kansas - Improving Family Health, Rural Livability, and Economic Strength

Rural Water District No. 5 proposes a major upgrade to its water processing and distribution system. The district has performed a preliminary analysis of its water plant and water distribution system needs. In this analysis and planning phase of the project, several issues were identified with the current water treatment plant and distribution system, including damaged distribution lines and valves, lack of modern system control and monitoring technology, the need for power system backup capacity, the need to minimize system leakages, and the need for modern water meter technology to provide accurate usage calculations for users. A preliminary cost estimate was developed and used as the basis for this funding request. The next steps include performing a full system analysis, detailed design and specifications development, and implementation/construction of the project elements.

The first part of this project will be a design analysis of the water treatment and distribution system, followed by the development of plans, specifications, and estimates that will detail the project features, construction requirements, and phasing schedule. Those project documents will be used to perform a construction letting to select a qualified contractor to perform the specified work within the project budget.

This project aims to create reliable and efficient processes that will reduce system leakages, preserve the quality of the aquifer from which water is drawn, and mitigate the effects of severe droughts. All work is expected to be performed over a three-year period, with an anticipated start date of January 31, 2026, and completion before January 31, 2029. Meter replacements will need to be made across the entire district. Flow monitor installation will require excavating and installing new enclosures on distribution lines. It is currently anticipated that about fifteen of these small excavations will be needed. Significant construction work in this project will be confined to the two water processing plants, the district's older north plant, and the newer south plant. The location of the north plant is latitude is [34°27'N] and longitude is [94°39'W]. It is located 1.25 miles east of the city of Pittsburg, Kansas. The location of the south plant is at latitude [37°24'N] and longitude [94°42'W]. It is located 3 miles south of the city of Pittsburg, Kansas.

The north plant has metal structures over 50 years old, and the effects of chlorine have taken their toll. To provide a visual of the damage that the district is proposing to repair,

image 1B below clearly shows the pipe that supplies finished water to the network of distribution lines.

Image 1B: Damaged Supply Line in the North Plant



The chlorine's damage is apparent even after years of painting to counter the corrosive effects. While painting has extended the life of the plant's infrastructure and lines, you can see that there is little left to work with in the north plant. Image 2B below, provides a look at the same corrosive damage on one of the six filters used in processing water.

Image 2B: Corrosive Damage in Filter at North Plant



The sand filters are a significant cost threat to the district. The Kansas Department of Health and Environment’s most recent inspection noted that the back flushing needed by the filters was being released into the environment, and if this is not addressed, it will become a citation.

The total cost of the project is estimated to be 1.5 million dollars. Major budget elements will include the acquisition of and installation of SCADA water meters and distribution line monitors. In addition, the budget will cover the development and installation of backup power sources for both water treatment plants. Rehabilitation cost for the district’s North plant, a full water district analysis, and supporting hardware and software is included in the proposed budget. Table 1A below outlines these elements and assigned budget amounts.

Table 1A: Projected Project Budget for Key Elements

Element	Amount Budgeted
Acquisition and Installation of SCADA and Distribution Line Monitors	\$500,000
Backup Power Installations	\$200,000
North Plant Rehabilitation	\$700,000
Water District Analysis	\$80,000
Computer Software/Hardware	\$20,000
Total Project Cost:	\$1,500,000

While costs may fluctuate between categories, the district is confident in the projected project cost. However, RWD No. 5 will be responsible for the expenses above and beyond the awarded grant amount. In support of the grant, the district has passed a resolution to ensure federal compliance and substantial progress during all phases by assigning a project manager with the required expertise in federal regulations and construction management.