

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: Jason Fizell, Interim Executive Director, Kansas Infrastructure Hub

RE: Build Kansas Fund Application #2025-108-NoEDD

Date: May 22, 2025

Attached, please find an application made to the Build Kansas Fund by the Brown Atchison Electric Cooperative Association, Inc. The application packet includes the following items:

- Coversheet – provides a high-level overview of the application including a unique identification number, page 1 of 19 of the Build Kansas Fund Application Package.
- Build Kansas Fund Application – includes information submitted with the Build Kansas Fund Application, pages 2-9. Page 9 provides the table of funding sources and zip codes served by the project.
- Attachments – 40101d application, pages 10-19.

Project Overview

The Brown Atchison Electric Cooperative Association, Inc. seeks funding from the U.S. Department of Energy for funding available through the SECTION 40101(d): Preventing Outages & Enhancing the Resilience of the Electric Grid program for their Resilient Lines Initiative project which includes replacing and upgrading aging transmission and distribution infrastructure to reduce voltage drops.

This opportunity is a discretionary BIL program with a local match requirement of 48.33% of the total project cost. The entity is requesting \$395,105.69 from the Build Kansas Fund, and is providing a local match of \$20,795.04. This request has the potential to unlock \$860,484.27 in federal funds, for a total project cost of \$1,276,385.00.

The deadline was January 9, 2025, and this Build Kansas Fund application was received on January 28, 2025.

Build Kansas Fund Steering Committee Recommendation

The Build Kansas Fund Steering Committee reviewed this application on May 14, 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	2025-108-NoEDD
Applicant Name	Brown Atchison Electric Cooperative Association, Inc.
Application Date Received	1/28/2025
Project Name	Resilient Lines Initiative Project
Project Description	Replace and upgrade aging transmission and distribution infrastructure to reduce voltage drops
Entity Type	Non-Profit
Economic Development District (EDD) Planning Commission	NO EDD/RPC
Infrastructure Sector(s)	Energy
BIL Program	SECTION 40101(d): Preventing Outages & Enhancing the Resilience of the Electric Grid
BIL Program Type	Discretionary
Application Type	Implementation
BIL Application Deadline	1/9/2025
Build Kansas Fund Request	\$395,105.69
Technical Assistance Received	General Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	BIL Application Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	Build Kansas Fund Application Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Other (Brief Description): Provided General TA and BKF Application Support.
Application Notes	Build Kansas Fund contribution of \$395,105.69 will unlock \$860,484.27 in federal BIL funding, with a local cash contribution of \$20,795.04 for a total project cost of \$1,276,385.00
Steering Committee Funding Recommendation	5/14/2025 Recommend <input checked="" type="checkbox"/> Declined <input type="checkbox"/>
Advisory Committee Funding Recommendation	5/22/2025 Recommend <input type="checkbox"/> Declined <input type="checkbox"/>

Title	The Brown Atchison Electric Cooperative Association, Inc.	01/28/2025
	by Michael Volker in Build Kansas Fund Application	id. 49470731
	mvolker@baelectric.com	

Original Submission	04/21/2025
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Score	n/a
Part 1: Applicant Information	
The name of the entity applying for the Build Kansas Fund:	The Brown Atchison Electric Cooperative Association, Inc.
Project Name:	Resilient Lines Initiative
Entity type:	Non-Profit
Applicant Contact Name:	Mike Volker
Applicant Contact Position/Title:	General Manager
Applicant Contact Telephone Number:	+17854862117
Applicant Contact Email Address:	mvolker@baelectric.com
Applicant Contact Address:	1712 Central Ave
Applicant Contact Address Line 2 (optional):	
Applicant Contact City:	Horton
Applicant Contact State:	Kansas
Applicant Contact Zip Code:	66439

Is the Project
Contact the same as
the Applicant
Contact?

Yes

Part 2: Build Kansas Fund - Eligibility Criteria

Certify that you are
pursuing an
Infrastructure
Investment and Jobs
Act (IIJA) funding
opportunity for which
your entity is eligible:

Yes

Certify that the
Infrastructure
Investment and Jobs
Act (IIJA) funding
opportunity you are
pursuing has a
required non-federal
match component:

Yes

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

Brown 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: Infrastructure Investment and Jobs Act (IIJA) - Grant Application
Information Please Note: This information is related to the federal
Infrastructure Investment and Jobs Act (IIJA), commonly known as the
Bipartisan Infrastructure Law (BIL), funding opportunity to which you will
apply. This is NOT information for the Build Kansas Match Fund.

Please enter the
Infrastructure
Investment and Jobs
Act (IIJA) funding
opportunity title that
the entity is applying
for:

SECTION 40101(d): Preventing Outages & Enhancing the Resilience of the
Electric Grid

What is the funding agency for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity? U.S. Department of Energy

What is the Assistance Listing Number (ALN) for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity? 81.254

What is the federal application due date for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity? 1/9/2025

Application Type: Implementation

What is the federal fiscal year for this Infrastructure Investment and Jobs Act (IIJA) funding opportunity? 2024

Enter the amount of funding being applied for, from the Infrastructure Investment and Jobs Act (IIJA) funding opportunity: \$860,484.27 for a total project cost of \$1,276,385.00

Enter the total project cost: \$1,276,385.00

Enter the required non-federal match percentage: 48.33%

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: \$395,105.69 for a total project cost of \$1,276,385.00

Enter the non-federal cash match amount being provided by the eligible applicant, if applicable: \$20,795.04 for a total project cost of \$1,276,385.00

Enter the estimated value of the non-federal in-kind match amount being provided by the eligible applicant, if applicable: 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? N/A

Will any American Rescue Plan Act (ARPA) or Coronavirus State & Local Fiscal Recovery Fund monies will be used for the non-federal match?	N/A
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 Brown-Atchison Cooperative is a small cooperative in NE Kansas with a total annual operating revenue under \$8M. The cooperative will dedicate some of its limited staff to monitoring the project, and it will contract with an experienced grant operator manage the compliance and other monitoring requirements.
What other funding sources (local, federal, or non-federal) will be used for this match?	N/A
Describe your efforts to find other available funding sources for this project:	<p>Brown-Atchison Electric Cooperative's financial resources are extremely limited. The annual operating revenue of the cooperative is about \$7.8M, and the cost of the Resilient Lines Initiative alone represents about 20% of the annual budget. Outside of grant funding, the only other options for funding the project involve rate increases, which would be a significant financial hardship for all of the cooperative's members.</p> <p>The cooperative's long-term obligations are about \$9.5M, and with few assets to collateralize debt, the cooperative is limited to securing debt financing with rate increases.</p> <p>With a per capita cost of nearly \$169.89 per member, or more than \$3,000 per affected member, increasing rates could cause severe financial distress for the cooperative's members. Brown County is a significantly economically distressed region of the state with median household incomes \$14,000 lower than the state average and \$21,000 lower than the national average. Poverty rates in some areas are as high as 14.5%, much higher than the state and national averages of 11.2% and 12.5%. Additionally, the project will directly benefit the Kickapoo Reservation, another economically distressed region of the state.</p> <p>Without funding through the 40101(d) program and Build Kansas, this critical infrastructure project is not financially feasible for the cooperative.</p>

Part 6: Additional Information

Please upload a draft or final version of the Infrastructure Investment and Jobs Act (IIJA) program grant application associated with this request OR an executive summary providing an overview of the project:

Provide any additional information about this project not covered in previous sections of this application (optional):

The Brown-Atchison Electric Cooperative is seeking \$860,484.27 in 40101(d) funding and \$395,105.69 in Build Kansas funds to support two critical projects under its Resilient Lines Initiative. These projects aim to enhance the reliability and resiliency of the power system, benefiting the community and supporting critical infrastructure.

Project 1: South Fairview Substation Transmission Line

- Replace 4.6 miles of 1/0 ACSR with 4/0 ACSR.
- Upgrade poles and crossarms.
- Maintain continuous power feed to South Fairview Substation, serving 322 members and the Sac & Fox Casino.
- Support back feed to Willis substation, benefiting 668 members, the Golden Eagle Casino, and 7 housing sites on the Kickapoo Reservation.

Project 2: Netawaka Line

- Convert 2 miles of single-phase #4 ACSR to three-phase 1/0 ACSR.
- Add new poles, conductors, and crossarms.
- Address voltage drop and load balance issues to reduce outages.

The total cost of these projects is \$1,276,385, which is beyond the cooperative's budget. The cooperative has explored other funding options but faces challenges due to existing debt and the economic distress of Brown County, Kansas. The median household income in Brown County is significantly lower than state and national averages, and the poverty rate is higher.

These projects will improve power reliability for over 1,000 cooperative members, support local businesses like the Sac & Fox Casino and Golden Eagle Casino, and benefit economically disadvantaged communities. The upgrades will also enhance emergency services and promote economic growth by providing a stable power supply for future investments.

Part 7: Terms and Conditions

Understanding of Fund Release Requirements:	checked
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Understanding of Use of Funds:	checked
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Understanding of Reporting Requirements:	checked
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Authority to Make Grant Application:	checked
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Persons and Titles: Mike
The following Volker
persons are
responsible for
making this Build
Kansas Fund
application.

Position/Title: General Manager

Additional:

Position/Title:

Additional:

Position/Title:

Additional:

Position/Title:

Source	Amount	% of Project
Build Kansas Funds (non-federal match)	\$395,105.69	30.96%
Eligible Applicant Cash Match	\$20,795.04	1.63%
Eligible Applicant In-Kind Match (estimated value)	\$0.00	0%
BIL Federal Funds (applied for)	\$860,484.27	67.42%
Additional Project Contribution (if applicable)	\$0.00	0%
TOTAL PROJECT COST	\$1,276,385.00	100%

***Applicant satisfies recommended match contribution of 5% of the required match**

Zip Code	% of project in zip code
66516	9.9%
66425	90.1%
	100% In Kansas

Title	BROWN ATCHISON ELECTRIC COOPERATIVE_Resilient Lines Initiative	01/09/2025
	by Michael Volker in SECTION 40101(d) Second Round: Preventing Outages & Enhancing the Resilience of the Electric Grid	id. 49283386
	mvolker@baelectric.com	

Original Submission	04/10/2025
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Score	n/a
Section 1: Applicant Information	
Entity name:	Brown Atchison Electric Cooperative Association, Inc.
Are you submitting a new application, or will you be resubmitting the application you submitted last round?	New Application
Entity Type:	Distribution Provider
Entity address:	1712 Central Ave Horton Kansas 66439 US 39.671416 -95.526842
Employer Identification Number (EIN):	48-0150563
Unique Entity Identifier (UEI):	EZJFUSKJXTA9

Please upload verification of eligible entity size and documentation of annual sales per year:
[2023_EIA_861.pdf](#)

EIA Table
[2023 Utility Bundled Sales to Ultimate Customers List.xlsx](#)

Project Manager name:	Jason Bare
Project Manager phone number:	+17854862117
Project Manager e-mail address:	jbare@baelectric.com
IRS Form W-9:	
W-9_-_Brown-Atchison.pdf	
Latest financial statement and financial statement audit:	
Brown-Atchison_Financials_and_Audit_2023.pdf	
Please acknowledge whether your entity has ever submitted an application, similar in nature, to the DOE under BIL Section 40101c, DE-FOA-002740, Grid Resilience and Innovation Partnerships (GRIP):	No
Section 2: Project Description and Scope	
Project Name:	BROWN ATCHISON ELECTRIC COOPERATIVE_Resilient Lines Initiative
Project type:	Replacement of old overhead conductors & underground cables

Project description
and scope:

The Brown-Atchison Electric Cooperative is requesting funding through the 40101(d) funding opportunity to continue pursuing projects in the cooperative's resiliency initiative.

The cooperative has consistently demonstrated a strong commitment to system resiliency. In 2017, the cooperative undertook a significant project to construct a tie line between its Netawaka metering point and South Fairview metering point. This initiative resulted in a back feed to the Sac & Fox Casino and the Sac & Fox Truck Stop, providing secondary power during prolonged outages. This enhancement greatly improved the reliability of power supply to the casino and the Kickapoo Reservation (separate from the Sac & Fox Casino), with a total project cost of \$414,901.

Despite this and other efforts, the scope of Brown-Atchison's resiliency projects far exceeds the cooperative's available funding. To address this, the cooperative has actively sought funding opportunities to support additional projects under its Resilient Lines Initiative. Currently, Brown-Atchison is requesting \$860,503.61 in 40101(d) funding for two critical projects within its Resilient Lines Initiative.

The first project focuses on the South Fairview Substation Transmission Line. This involves replacing 4.6 miles of existing 1/0 ACSR with 4/0 ACSR and upgrading the existing poles with new ones of the same size, ranging from 45 ft. class 2 to 55 ft. class 2. Crossarms will also be replaced on every pole, with some requiring two crossarms depending on the angle and spans over roadways. Anchors will also be replaced on angle poles and dead-end poles. This project is crucial for maintaining a continuous power feed to the South Fairview Substation, which serves approximately 322 members and the Sac & Fox Casino. Furthermore, since the transmission line can back feed power to the Willis substation, these improvements will help maintain power continuity to that section of the cooperative's system, which serves an additional 668 members, the Kickapoo Nation's casino (Golden Eagle Casino), and 7 housing sites for the Kickapoo Reservation.

The second project involves the Netawaka Line. This project will convert 2 miles of single-phase #4 ACSR to three-phase 1/0 ACSR. It will also include the addition of new poles, conductors, and crossarms where necessary to meet existing standards. This upgrade is vital for maintaining power continuity along the line. Currently, the voltage drop is projected to fall below the designed criteria of 118 volts at the end of the tap, and the single-phase line exceeds the acceptable design criteria of 42 amps. Upgrading to three-phase will help balance the load and bring the line back within acceptable ranges, thereby reducing outages.

Each of these projects is a major priority for the cooperative and cannot be pursued under the current operating budget. The requested funding is essential to ensure the continued reliability and resiliency of the power system, benefiting the community and supporting critical infrastructure.

Section 3: Need for Funding

Project funding need: Brown-Atchison estimates the total cost of these critical resiliency projects to be \$1,276,385, well beyond the cooperative's current and future budgets, leaving limited options for funding. The cost of these projects represents approximately 16% of the cooperative's annual total revenues and is four times larger than the cooperative's annual operating margins. In 2023 and 2024 combined, the cooperative's actual and budgeted maintenance expenses totaled just over \$1,000,000.

The cooperative has explored other funding options, such as debt service and increased rates. However, with an existing long-term debt of \$9.5 million and an annual debt service payments exceeding \$700,000, securing additional debt financing is challenging. The only other option available to the cooperative would be to implement rate increases, which would disproportionately affect low-income and other distressed communities.

These projects are set to take place in Brown County, Kansas, a significantly economically distressed region of the state. The median household income in Brown County is \$55,876, which is more than \$14,000 lower than the state average and \$21,000 lower than national averages. Additionally, the poverty rate in Brown County is 14.5%, significantly higher than the state and national averages of 11.2% and 12.5%, respectively. The project will occur in a disadvantaged census tract (20013480600) as identified by the Council for Environmental Justice's screening tool.

Because the transmission line improvements will support a back feed to the Willis substation, this project will also directly benefit the Kickapoo Reservation during outage events. The Willis substation serves both the Kickapoo Reservation's casino, the Golden Eagle Casino, a major revenue source for the Kickapoo Nation, and 7 housing sites for the Kickapoo Reservation, located in southern Brown County.

Without aid through the 40101(d) funding opportunities, the cooperative cannot pursue these critical resiliency projects. The requested funding is essential to ensure the continued reliability and resiliency of the power system, benefiting the community and supporting critical infrastructure.

Provide historical and post project estimated interruption frequency and duration data, if known.	<p>The BAECA 5 yr average for Brown-Atchison Cooperative as a whole is 37.50 minutes per customer and 127.89 minutes per consumer power supplier, totaling 165.39 outage minutes per year. Brown-Atchison's Resilient Lines Initiative focused on outdated infrastructure more than 60 years old, and lines with voltage drops across their span that are well without design and regulatory requirements. These improvements will have significant impacts on system resiliency in the areas served.</p> <p>The infrastructure on the South Fairview Substation's transmission line is approximately 60 years old and beginning to show signs of failure. The maintenance cost on these sections of line are also beginning to exceed average costs on other transmission lines in the cooperative's system. The improvements will significantly improve resiliency along the line to the substation and allow the cooperative to utilize the line as a secondary back feed to the Willis substation during outages, further improving overall system resiliency.</p> <p>The Netawaka Line project will bring the line back to its designed standards, preventing future outages and voltage drops.</p>
Provide pro rata customer impact of total project cost.	<p>With a total of 2,342 members , the pro rata cost on all members is \$545.00. Given that the cooperative's service territory is economically distressed, this could cause a significant rate increase for the cooperative's members. Funding through the 40101(d) program would reduce the pro rata cost to \$177.56, which is a more reasonable cost to bare by the cooperative's members.</p>

Provide number of customers to be impacted by the project and percentage of impacted customers to total customers in the disadvantaged or underserved community.	<p>The cooperative serves 2,342 members, and these projects will directly impact 387 members, (5.2% of total membership) and indirectly impacts 1,055 members (45% of total membership), the Kickapoo Reservation's Golden Eagle Casino, and 7 housing sites in the Kickapoo Reservation.</p> <p>Many of the customers who will be impacted by the project reside in economically distressed, disadvantaged, and underserved rural communities. Brown County's median household income, \$55,876, is nearly \$15,000 below the statewide median of \$70,333 and \$21,000 less than the national median of \$77,719. Furthermore, the poverty rate in the county, 14.5%, is significantly greater than the poverty rate for the state and nation as a whole, highlighting the significantly economically depressed conditions within the region.</p> <p>In addition, these projects are located in census tract 20013480600, which is recognized as a disadvantaged area by the Council on Environmental Quality's Climate and Economic Justice Screening Tool. The region meets more than one of the burden thresholds outlined in the tool, specifically in climate change (high population loss and low income) and housing (lack of greenspace and low income).</p> <p>The Southern Fairview Substation project will also directly serve the Sac & Fox Casino, and indirectly ensure power continuity for the Kickapoo Reservation's Golden Eagle Casino and 7 housing sites within the Kickapoo Reservation, located in southern Brown County. The Netawaka Line project also provides power to 2 villages within the Kickapoo Reservation.</p>
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Section 4: Complete Budget and Narrative

Award amount requested:	860484.27
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Matching funds to be provided:	415900.73
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Budget (Total Costs):

[Budget Template DRAFT.xlsx](#)

Project budget upload (optional):

[Brown-Atchison_40101d_Project_Budget.xlsx](#)

Project budget narrative:	<p>The Brown-Atchison electric cooperative estimates a total project cost of \$1,276,385:</p> <p>Southern Fairview Substation Transmission Line Upgrade: \$1,150,000</p> <ul style="list-style-type: none">• 4.6 miles of 1/0 ACSR to 4/0 ACSR• Pole replacements• Crossarm replacements• Anchor replacements on angled and terminating poles <p>Netawaka Line: \$126,385</p> <ul style="list-style-type: none">• 2 miles of single-phase #4 ACSR to 3-phase 1/0 ACSR• New poles, conductor, and crossarms where needed to meet current design standards <p>A more detailed project budget has been attached to the application.</p>
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Cost match commitment letter:

[BA_Cost_Match_Commitment_Letter.pdf](#)

Section 5: Project Timeline

Project timeline:	<p>Based on the existing project pipeline, the cooperative anticipates completing these projects within 24 – 36 months of receiving funding:</p> <ul style="list-style-type: none">• February 2025 – award announcement• July 2025 – award agreement with KCC and DOE• November 2025 – BABA Waiver (if necessary)• January 2025 – Material Orders & Commence Construction• No later than July 2028 – all work completed
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Section 6: Bids and Estimates

Bids and estimates:

[Brown-Atchison_Cost_Estimates.pdf](#)

Section 7: Community Benefit

Community benefit narrative:	<p>The Brown-Atchison Resilient Lines project will deliver significant benefits to both the local community and the regional economy, directly enhancing the quality of life for more than 1,000 cooperative members while also supporting several economically disadvantaged areas.</p> <p>One of the most important community benefits of this project is its positive impact on the regional economy. The upgraded transmission lines will directly support economic and tourism growth in the area by ensuring a reliable power supply to key local businesses, including the Sac & Fox Casino and the Kakapoo Nation’s Golden Eagle Casino. These facilities serve as major economic drivers, attracting both tourists and generating substantial revenue for the surrounding communities. A more resilient and dependable power grid will provide these businesses with the consistent electricity they need to continue operating at full capacity, which in turn will help retain and grow jobs, promote tourism, and stimulate local commerce.</p>
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Furthermore, the project will open up new opportunities for other businesses in the region that depend on a stable power supply. As industries and companies that require continuous power to operate—such as manufacturing and hospitality—expand or develop, the reliability provided by the upgraded transmission lines will offer an attractive environment for future investment. This, in turn, will help further stabilize and grow the local economy, benefiting both established businesses and new startups.

Beyond the economic advantages, the project will also provide essential support to several economically disadvantaged communities. The transmission line upgrade will benefit seven housing sites within the Kickapoo Reservation, ensuring that these residents receive a more stable and reliable power supply. The Netawaka Line project will similarly improve service to two villages within the Kickapoo Reservation, which are among the most underserved communities in the region. Additionally, Brown County, KS is a significantly distressed region within the state with a median household income significantly lower than the state and national averages, and poverty rates are considerably higher. By improving access to reliable electricity, this project will help reduce the disparities faced by residents in these areas, enhancing their standard of living and providing new opportunities for growth and stability.

Finally, the project will benefit several first responder facilities, ensuring that emergency services are well-supported in the event of power outages or system failures. This is especially important for communities in rural areas, where power disruptions can have a particularly severe impact on public safety and emergency response.

Overall, the improvements made through this project will not only enhance system resiliency but will also significantly improve the quality of life for residents, boost the regional economy, and provide vital infrastructure to communities in need. The benefits extend beyond just electrical reliability; they touch on economic growth, job creation, and community well-being, ensuring long-term positive outcomes for both the cooperative members and the broader region.

Provide historical measurements of resilience and reliability for the targeted areas of each proposed project.

Brown-Atchison does not currently track reliability metrics (SAIDI, CAIDI, etc.) and outages at the sub-system level, thus no project specific data are available. However, these projects were selected due to a combination of factors.

At approximately 60 years old, the South Fariview Substation Transmission Line is well beyond its useful life and is showing signs of failure. As this line serves nearly 1,000 members (322 directly and 668 as a back feed to the Willis Substation), 2 casinos, and seven (7) housing sites in the Kickapoo reservation, power loss due to infrastructure failures would be wide-ranging and significantly disruptive.

The Netawaka Line is experiencing both outages and significant voltage drops due to aging and obsolete infrastructure.

Provide expected changes to the historical data as a result of each proposed project.	<p>Brown-Atchison expects the project to have a significant positive impact on its system in the areas surrounding the projects.</p> <p>The South Fairview Substation Transmission Line infrastructure is well beyond its useful life (approximately 60 years old) and is showing signs of failure. If the transmission line is not rebuilt, there will be more frequent and significant outage events at the substation, resulting in a loss of power for all 322 members served off the sub and including the Sac & Fox Casino. In addition, a failure of the line means Willis substation cannot be back fed, so the project would also improve system resiliency and power continuity to 668 additional cooperative members, the Kickapoo Nation's Golden Eagle Casino, and 7 housing sites in the Kickapoo Reservation.</p> <p>The Netawaka Line project will significantly decrease outages and voltage drops, directly benefiting 65 cooperative members and 2 villages within the Kickapoo Reservation.</p>
Provide historical measurements of resilience and reliability for the entire system to determine whether the project is in an area that has, on average, more frequent or longer duration outages.	The BAECA 5 yr average SAIDI (System Average Interruption Duration Index) for Brown-Atchison is 37.50 minutes per meter and 127.89 minutes per meter associated with the upstream transmission supplier – or a total of 165.39 outage minutes per year.
Provide age of system or line segments to be replaced or repaired, type of equipment that failed, and the number of annual outages for the project area.	The infrastructure being replaced is approximately 60 years old and dates back to the original construction of these lines. Brown-Atchison Electric is 87 years old and was the first Rural Electrification Administration project in the state of Kansas with operations beginning in 1937. The lines to be replaced were installed much closer to the start of operations than the current time.
Provide a number of protective devices (fuses or breakers) that have operated more than once in a rolling 12-month period.	Brown-Atchison does not currently track this information.
Provide a number of customers impacted by project and the percentage to total customers served in Kansas.	These projects will directly impact 387 members and indirectly support power continuity to another 688 members (1,055 total). This represents 45% of the cooperative's total membership, all of which reside in the state of Kansas.

Description of efforts to attract, train, and retrain a skilled workforce for this project.	Brown-Atchison is actively involved in attracting and developing a skilled workforce. New lineman hires who are not already journeyman go through a registered apprenticeship program where they undergo both on-the-job and classroom training needed to become journeyman lineman. Brown-Atchison also participates in the Kansas Electric Cooperative, Inc.'s safety meeting program and holds at least 8 safety meetings for team members through KEC annually. Additionally, KEC provides continuing education training opportunities throughout the year.
Provide an estimate of job creation due to this project.	Brown Atchison will utilize current staff to complete the Netawaka Line project and will outsource the transmission line project. The cooperative does not expect to hire any additional staff as a direct result of this project.
Identify any plans to partner with training providers to support workforce development.	Brown-Atchison actively partners with KEC to support workforce development opportunities for its team members annually. Brown-Atchison also provides on the job training and apprenticeship opportunities to develop a highly skilled talent pipeline within the region.
Provide any other metric(s) that indicates potential community benefit.	None
Confirmation that the applicant will comply with all Davis-Bacon Act requirements.	Yes
Confirmation that the applicant will comply with all Buy America Requirements.	Yes
Confirmation that the applicant will submit an environmental questionnaire (NETL Form 451.1-1-3), if required, for each work area proposed in the application.	Yes