

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 #2025-110-MO-KAN

Date: May 22, 2025

Attached, please find an application made to the Build Kansas Fund by the Doniphan 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 18 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 10-18.

Project Overview

The Doniphan 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 ReNew Blair project which includes rebuilding the aging Blair Substation to maintain power continuity and improve system resiliency.

This opportunity is a discretionary BIL program with a local match requirement of 48.33% of the total project cost. The entity is requesting \$541,713.48 from the Build Kansas Fund, and is providing a local match of \$28,511.24. This request has the potential to unlock \$1,179,775.28 in federal funds, for a total project cost of \$1,750,000.00.

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	2025-110-MO-KAN
Applicant Name	Doniphan Electric Cooperative Association, Inc.
Application Date Received	1/28/2025
Project Name	ReNew Blair Project
Project Description	Rebuild the aging Blair Substation to maintain power continuity and improve system resiliency
Entity Type	Non-Profit
Economic Development District (EDD) Planning Commission	MO-KAN
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	\$541,713.48
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 \$541,713.48 will unlock \$1,179,775.28 in federal BIL funding, with a local cash contribution of \$28,511.24 for a total project cost of \$1,750,000.00
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	Doniphan Electric Cooperative Association, Inc.	01/28/2025
	by Michael Volker in Build Kansas Fund Application	id. 49467504
	mvolker@donrec.org	

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:	Doniphan Electric Cooperative Association, Inc.
Project Name:	ReNew Blair
Entity type:	Non-Profit
Applicant Contact Name:	Mike Volker
Applicant Contact Position/Title:	General Manager
Applicant Contact Telephone Number:	+17859853523
Applicant Contact Email Address:	mvolker@donrec.org
Applicant Contact Address:	PO Box 669
Applicant Contact Address Line 2 (optional):	
Applicant Contact City:	Troy
Applicant Contact State:	Kansas
Applicant Contact Zip Code:	66087

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?

Doniphan 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: \$1,179,775.28 for a total project cost of \$1,750,000.00

Enter the total project cost: \$1,750,000.00

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: \$541,713.48 for a total project cost of \$1,750,000.00

Enter the non-federal cash match amount being provided by the eligible applicant, if applicable: \$28,511.24 for a total project cost of \$1,750,000.00

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 Doniphan Electric Cooperative is an extremely small cooperative in NE Kansas with a total annual operating revenue under \$3.5M. 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>Doniphan Electric Cooperative's financial resources are extremely limited. The annual operating revenue of the cooperative is about \$3.2M, and the cost of ReNew Blair alone represents 54.7% 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>While the cooperative's long-term debt obligations are small (about \$1.2M), it has few assets to collateralize debt making additional debt financing difficult to obtain, with or without rate increases.</p> <p>With a per capita cost of more than \$1,200 per member and more than \$3,000 per affected member, rate increases required to fund the project are extremely high. Median incomes in the area are more than \$4,000 lower than the state average and \$11,000 lower than the national average, so absorbing such a large rate increase would be extremely difficult for the cooperative's members.</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:

[40101d_Application_-_Doniphan_Electric_Cooperative.pdf](#)

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

The Doniphan Electric Cooperative is seeking \$1,179,775.28 in 40101(d) funding through KCC and \$541,713 from Build Kansas for its ReNew Blair project. This project aims to rebuild the deteriorating Blair Substation, which is crucial for the cooperative's distribution system serving over one-third of its nearly 1,600 members. Built in 1977, the substation's wooden structure is severely compromised, posing a risk of collapse during severe weather.

The total project cost is \$1.75 million, which is more than half of the cooperative's annual revenue for 2023 and 2024. The cooperative's limited budget and inflationary pressures have made it difficult to maintain existing infrastructure, let alone pursue critical improvements. The ReNew Blair project will rebuild the substation with a steel structure and modernize components to meet current standards, ensuring system resiliency and power continuity.

Without the 40101(d) funding, the cooperative cannot afford this essential project, which is vital for the community's well-being and economic stability. The cooperative has explored other financing options, but debt financing and large rate increases are not feasible solutions. The financial burden on members would be substantial without the grant, especially in this economically disadvantaged region.

This funding will significantly reduce the cost burden on members, allowing the cooperative to maintain lower electric rates. The improved grid resiliency will also benefit the region's agricultural sector, which relies on consistent, reliable power. Overall, the ReNew Blair project is crucial for ensuring reliable, affordable, and sustainable power for the cooperative's rural members.

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: The following persons are responsible for making this Build Kansas Fund application.	Mike Volker
Position/Title:	General Manager

Additional:

Position/Title:

Additional:

Position/Title:

Additional:

Position/Title:

Source	Amount	% of Project
Build Kansas Funds (non-federal match)	\$541,713.48	30.96%
Eligible Applicant Cash Match	\$28,511.24	1.63%
Eligible Applicant In-Kind Match (estimated value)	\$0.00	0%
BIL Federal Funds (applied for)	\$1,179,775.28	67.42%
Additional Project Contribution (if applicable)	\$0.00	0%
TOTAL PROJECT COST	\$1,750,000.00	100%

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

Zip Code	% of project in zip code
66090	100%
	100% In Kansas

Title	DONIPHAN ELECTRIC COOPERATIVE_ReNew Blair	01/09/2025
	by Michael Volker in SECTION 40101(d) Second Round: Preventing Outages & Enhancing the Resilience of the Electric Grid	id. 49283308
	mvolker@donrec.org	

Original Submission	04/10/2025
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Score	n/a
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Section 1: Applicant Information

Entity name:	Doniphan Electric Cooperative Association, Inc.
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Are you submitting a new application, or will you be resubmitting the application you submitted last round?	New Application
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Entity Type:	Distribution Provider
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Entity address:	530 West Jones Street Troy, KS 66087 PO Box 669 Troy Kansas 66087 US 39.781128 -95.096422
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Employer Identification Number (EIN):	48-0198945
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Unique Entity Identifier (UEI):	LXEGUVYKKME7
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Please upload verification of eligible entity size and documentation of annual sales per year:

[EIA_2023.pdf](#)

EIA Table

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

Project Manager name:	Trevor Schmille
Project Manager phone number:	+17859853523
Project Manager e-mail address:	tschmille@donrec.org
IRS Form W-9:	W-9_DEC.pdf

Latest financial statement and financial statement audit:
[2024_Audit_Financial_Statements.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
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Section 2: Project Description and Scope

Project Name:	DONIPHAN ELECTRIC COOPERATIVE_ReNew Blair
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Project type:	Hardening of power lines, facilities, substations, or other systems
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Project description and scope:	<p>The Doniphan Electric Cooperative is seeking assistance from KCC and DOE to help fund its ReNew Blair project through the 40101(d) grant opportunity. The cooperative serves much of rural Doniphan County and the surrounding region. Doniphan County, located along Highway 36, serves as a crucial gateway into and out of the state, particularly for the agricultural sector. Despite its logistical importance to the state, much of Doniphan’s rural area remains economically disadvantaged.</p> <p>Despite the challenges, the cooperative has pursued capital improvement projects to improve system resiliency and service quality for its nearly 1,600 members. However, with an annual budget of less than \$3.5M and inflationary pressures, the cooperative has struggled in recent years to simply maintain its existing infrastructure, let alone pursue critical improvement projects. The cooperative sees the 40101(d) grant as a vital opportunity to pursue a high priority project that will not happen without grant or other aid funding.</p> <p>The cooperative is requesting \$1,179,801.79 in 40101(d) funding to complete its ReNew Blair project, which will fully rebuild the Blair Substation, a critical component in the cooperative’s distribution system</p>
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that serves over 1/3 of its membership. Built in 1977, the substation's original wooden structure has significantly deteriorated. Despite efforts to maintain its integrity through added bracing, the primary supports suffer from severe surface rot, dry rot, and other deterioration, posing a real threat of collapse during severe weather events.

The Blair Substation currently serves 550 meters, but during extreme disruption events, it can support up to 1,560 meters, nearly 98% of the cooperative's membership. The structure's compromised state presents a significant liability to system power continuity, making its reconstruction imperative.

The total project cost of \$1.75 million represents more than half of Doniphan's annual revenue for both 2023 and 2024 and is more than 4.5 times greater than the combined maintenance budget for both years. The ReNew Blair project aims to rebuild the substation at a nearby location already owned by the cooperative. The new structure will be constructed from steel, and other components will be modernized to meet current operational standards. The existing transformers, rebuilt in 2015, will be reused, while the switchgear and fault protection will be upgraded to better serve the substation's existing load. Additionally, two voltage regulators will be added to the east feeder.

This project will not expand the substation's capacity to support additional loads and will strictly focus on rebuilding failing infrastructure. The new structure and layout will also better facilitate future maintenance and equipment upgrades. By significantly improving system resiliency and power continuity during disruptive events, the ReNew Blair project will prevent potential power failures and ensure a reliable power supply for the cooperative's members.

In summary, the Doniphan Electric Cooperative's request for 40101(d) funding is crucial for the complete reconstruction of the Blair Substation. This project is essential for maintaining power continuity and system resilience. Without this funding, the cooperative cannot undertake this critical infrastructure improvement, which is vital for the community's well-being and economic stability.

Section 3: Need for Funding

Project funding need: The ReNew Blair project aims to ensure the long-term structural integrity of the Blair Substation, a critical component of Doniphan Electric Cooperative's electrical grid. The project's total cost is estimated at \$1,750,000, far exceeding the cooperative's current budgetary capacity. Doniphan Electric Cooperative reported total operating revenues of \$3.47 million in Fiscal Year 2023 and \$3.17 million in FY 2024, with net operating margins of \$486,722 and \$343,439 respectively. These figures highlight the cooperative's modest financial position compared to other operators in the state, and the ReNew Blair project alone represents more than 50% of its annual operating revenues and 8 to 10 times the amount allocated for annual maintenance. Given the size and scope of the project, there is no room in the current budget to pursue such a significant capital improvement.

In an effort to secure funding for the project, Doniphan Electric Cooperative has explored other financing options, but neither debt financing nor large rate increases are ideal solutions. The cooperative's long-term debt currently stands at \$1.25 million, and there are more than \$40,000 in short-term debt service obligations due within the next 12 months. While the cooperative's overall debt load is relatively low, the lack of substantial assets makes it challenging to secure additional funding through loans or other financial instruments. Raising rates to cover the costs of ReNew Blair is another potential solution, but it would place a heavy burden on the cooperative's members.

The financial impact on the cooperative's members would be substantial. Without the aid of 40101(d) funding, the pro rata cost of the project would be as high as \$3,659.09 for the affected members, or \$1,260.96 for all members. However, securing funding through the 40101(d) program would significantly reduce these costs, lowering the pro rata cost for affected members to \$1,192.23 and for all members to \$410.86. While these reduced costs remain high, they are considerably more manageable and would help mitigate the financial strain on the cooperative's membership base.

Doniphan Electric Cooperative's membership is largely rural, with a significant portion of the affected area residing in a disadvantaged census tract (20043020300), as identified by the Council on Environmental Quality's Climate and Economic Justice Screening Tool. The economic challenges faced by this community are compounded by the fact that the median household income in Doniphan County and this particular census tract is over \$4,000 lower than the Kansas state median and more than \$11,000 less than the national average. This economic reality underscores the importance of securing funding through the 40101(d) program, as any increase in rates would disproportionately affect residents already facing financial hardship.

The ReNew Blair project, though critical to the long-term resiliency and safety of the cooperative's electrical grid, would have a profound economic impact on an already vulnerable membership base without the support of this funding program. Given Doniphan Electric Cooperative's limited financial resources, the project cannot proceed without external assistance. The 40101(d) funding will allow the cooperative to undertake these essential improvements while minimizing the financial burden on its members, many of whom live in economically disadvantaged areas.

Provide historical and post project estimated interruption frequency and duration data, if known.	<p>Doniphan does not currently have interruption frequency and duration data specifically on this portion of the system. However, the Blair Substation is a critical component of the Cooperative's distribution system. The substation serves 550 meters, more than 1/3 of the cooperative's membership, and during disruptive events, the cooperative can reroute power through Blair to serve nearly all of the cooperative's membership.</p> <p>Rebuilding the substation has been a long-term priority for the cooperative for many years. Much of its wooden structure is original to when it was constructed in the early 1970s, and it is well beyond its useful and practical life. In its current condition, the risk of collapse and failure is significantly higher than the cooperative's risk profile should allow.</p> <p>Rebuilding the substation will boost system resiliency, harden a critical component of the system, and ensure power continuity during disruptive events to nearly the whole cooperative.</p>
Provide pro rata customer impact of total project cost.	Without 40101(d) funding, the pro rata project cost is \$1,260.96 per member and more than \$3,000 per affected member. These pro rata costs are significantly higher than the cooperative's current financial resources, and the project cannot happen without additional aid through 40101(d) or other funding programs.
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 Blair substation serves 550 meters during normal operation and can serve nearly all members during disruptive events. The substation is located in Census Tract 203 (20043020300), which is a disadvantaged census tract as identified by the Council on Environmental Quality's Climate and Economic Justice Screening Tool.</p> <p>Additionally, the annual median household income in the census tract is more than \$4,000 lower than the state of Kansas and more than \$11,000 lower than the national average. This is a highly distressed area economically and would benefit greatly through the 40101(d) program.</p>
Section 4: Complete Budget and Narrative	
Award amount requested:	1179775.28
Matching funds to be provided:	570224.72
Budget (Total Costs):	
Budget Template DRAFT.xlsx	
Project budget upload (optional):	
Doniphan_40101d_Project_Budget.xlsx	

Project budget narrative:	<p>Doniphan worked with Allgeier, Martin, and Associates, Inc. to develop an opinion of probable cost for the ReNew Blair cost. The total cost of each component of the project is included below:</p> <ul style="list-style-type: none"> • Site Work: \$71,000 • Earthwork: \$112,000 • Surfacing: \$89,000 • Security Fence: \$81,000 • Reinforced Concrete: \$192,000 • Steel Structure: 97,000 • Bus Work, Structural, Groud & Miscellaneous: \$160,000 • Station Grounding: \$62,000 • Structure Equipment: \$88,000 • Low Voltage Wiring: \$132,000 • Cable Raceways & Underground Conduit: \$72,000 • Install Transformers: \$12,000 • Control & Install Cable: \$14,000 • Voltage Regulator\$69,000 <p>*Note – these estimates include both material and labor cost. See the project budget for a breakdown of material, equipment, and labor costs.</p> <p>Doniphan also expects the following professional and construction related expenses:</p> <ul style="list-style-type: none"> • Site Geotech: \$15,000 • Engineering: \$187,650 • Construction Rep: \$67,500 • Professional Services: \$76,250 • 10% Project Contingency: \$152,600 <p>A detailed project budget and Allgeier, Martin and Associates, Inc.’s opinion of probable cost are attached for reference.</p>
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Cost match commitment letter:

[ReNew_Blair_-_40101d_Match_Letter.pdf](#)

	Section 5: Project Timeline
Project timeline:	<p>Doniphan will complete the project within 12 – 18 months. The cooperative already owns land nearby where the new substation will be reusing many components, including the transformers, which will help reduce the construction timeline.</p> <p>March 2025 – Award announcement June 2025 – Grant agreement executed October 2025 – BABA waiver (if needed) November 2025 – Order materials January 2026 Begin construction June 2027 – Complete project</p>

Section 6: Bids and Estimates

Section 7: Community Benefit	
Community benefit narrative:	<p>The funding through the DOE's 40101(d) program will provide more than just a resilient and reliable piece of critical infrastructure for Doniphan's electric grid—it will also bring significant economic benefits to the cooperative's members, particularly those in rural and economically disadvantaged areas. Doniphan's electric rates are already significantly higher than the Kansas state average, largely due to the cooperative's inability to benefit from economies of scale enjoyed by larger utilities or even other electric cooperatives within the state. This disadvantage stems from the cooperative's service to a highly rural and low-density area, which results in high per capita costs.</p> <p>The ReNew Blair project, which aims to enhance grid resiliency, carries a cost that exceeds half of Doniphan's annual operating revenue. Without the assistance of grant funding, the cooperative would be forced to raise rates even further to cover the project's cost, further burdening its economically disadvantaged members. However, with the support from the 40101(d) program, more than two-thirds of the project's overall cost will be offset, directly alleviating this financial pressure. This substantial reduction in the cost burden will allow Doniphan to maintain lower electric rates, providing much-needed relief to its members, many of whom are already struggling financially.</p> <p>In addition to the cost savings, the improved resiliency of the grid will have a lasting positive impact on the region's agricultural sector, which serves as the economic backbone of the area. As farming operations increasingly rely on advanced technology and equipment, the need for consistent, reliable power becomes even more critical. By reducing power interruptions and ensuring a more stable and resilient grid, this project will support local farmers in maintaining their operations, which in turn helps sustain the broader local economy.</p> <p>Ultimately, the funding will allow Doniphan to make vital improvements to its grid, ensuring that the cooperative can continue to serve its rural members reliably, affordably, and sustainably, while also supporting the area's most important industry. Without this grant funding, the project would not be financially feasible, and the cooperative's members—especially those in economically distressed areas—would face even higher energy costs.</p>
Provide historical measurements of resilience and reliability for the targeted areas of each proposed project.	<p>Doniphan does not have detailed records on reliability for the Blair Substation and its downstream lines.</p>

Provide expected changes to the historical data as a result of each proposed project.	<p>Doniphan Electric Cooperative expects ReNew Blair to have a significant impact on system resiliency and reliability. The substation serves 550 members, and during disruptive events, can maintain power continuity to nearly the entire cooperative's system. In its current state, a major weather event, or even a very windy day could easily collapse the structure knocking out power to more than 1/3 of the cooperative's membership.</p> <p>Doniphan Electric Cooperative hopes to avoid such a disruptive event by proactively replacing the substation with a modern metal structure with a longer service life and capable of withstanding significant weather events. This improvement will significantly harden the system against these events and has the added benefit of improving power continuity during disruptive events.</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.	<p>See below for Doniphan Electric Cooperative's historical reliability data for 2023 and 2024 (through September)</p> <p>SAIDI (total) - 165.4 minutes (2023) and 72.74 minutes (2024)</p> <p>SAIDI (less supplier outages) - 80.43 minutes (2023) and 67.87 minutes (2024)</p> <p>CAIDI (total) - 147.1 minutes (2023) and 114.33 minutes (2024)</p> <p>CAIDI (less supplier outages) - 135.74 minutes (2023) and 133.57 minutes (2024)</p>
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.	<p>Age - the Blair substation was built in 1974, and the entire wooden structure is original to its construction.</p> <p>Equipment – ReNew Blair will replace the wooden structure with a modern metal structure built to current standards. The existing transformers were rebuilt in 2015 and will be reused in the rebuild, as will other components. Doniphan will also upgrade the switch gear, fault protection, and two new voltage regulators.</p> <p>Doniphan does not have an outage management system capable of providing data on specific segments of its system, however, ReNew Blair will prevent a major power failure in the future and help maintain power continuity during disruptive events.</p>
Provide a number of protective devices (fuses or breakers) that have operated more than once in a rolling 12-month period.	<p>Doniphan does not currently keep a record of operational counts for fuses or breakers and cannot provide detailed data.</p>

Provide a number of customers impacted by project and the percentage to total customers served in Kansas.	The Blair substation serves 550 members during normal operation (34.5% of total membership) and can service nearly all of the cooperative's meters during disruptive events (more than 98% of meters). All members are located in the state of Kansas.
Description of efforts to attract, train, and retrain a skilled workforce for this project.	Doniphan Electric consistently offers training opportunities through KEC and other training resources, including safety, continuing education, and professional development. The cooperative does not anticipate needing additional staff to support the ReNew Blair project. However, if additional resources are needed for the project, the cooperative has a highly efficient hiring and training process to ensure a skilled and ready workforce can meet the additional needs.
Provide an estimate of job creation due to this project.	Doniphan Electric does not expect to create any jobs directly related to the project.
Identify any plans to partner with training providers to support workforce development.	Doniphan Electric currently partners with KEC and other outside vendors to support workforce development.
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