Build Kansas Fund | Fiscal Year 2024 Application Package | Memo

To: Senator Ty Masterson, Chair, Build Kansas Advisory Committee
Murl Riedel, Kansas Legislative Research Department
Shauna Wake, Office of the Kansas State Treasurer

From: Matthew Volz, Executive Director, Kansas Infrastructure Hub

RE: Build Kansas Fund Application #2024-031-40101d-GardenCity

Date: April 12, 2024

Attached, please find an application made to the Build Kansas Fund by Garden City. The application packet includes the following items:

- Coversheet – provides a high-level overview of the application including a unique identification number, page 1 of 17 of the Build Kansas Fund Application Package.
- Build Kansas Fund Application – includes information submitted with the Build Kansas Fund Application, pages 2-8. Page 8 provides the table of funding sources.
- Attachments – Copy of BIL application, pages 9-17.

Project Overview
Under the Preventing Outages and Enhancing the Resilience of the Electric Grid - Section 40101(d), the U.S. Department of Energy (DOE) provides grants to States to improve the resilience of their electric grid against disruptive events. The Kansas Corporation Commission (KCC) received more than $13.3M from the DOE for fiscal years 2022 and 2023. During the application period, KCC received 31 submissions, with more than $40.1M in project funding requests. Ultimately, the agency selected 11 applicants across Kansas with Build Kansas Fund requests totaling $5.84M, unlocking $12.08M in federal funding.

Garden City seeks funding from the Kansas Corporation Commission (KCC) through the 40101d program. The NE Underground Replacement Project will replace underground conductors and transformers to ensure reliability and resilience.

This opportunity is a pass-through discretionary BIL program with a local match requirement of 48.33%. The entity is requesting $302,590.20 from the Build Kansas Fund. This request has the potential to unlock $626,048.74 in federal funds.

The State's internal deadline for 40101d applications to Kansas Corporation Commission was December 29, 2023. This is an ongoing Federal program; however, it would be advantageous for the State to submit its application package as soon as possible. This Build Kansas Fund application was received on November 29, 2023, and held until award selections were made by KCC. Upon selection, applications underwent a completeness check, and subsequently deemed acceptable for this program on April 1, 2024.

Build Kansas Fund Steering Committee Recommendation
The Build Kansas Fund Steering Committee reviewed this application on April 3, 2024, 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 2024 Application Package | Coversheet

Build Kansas Fund Application Number	2024-031-40101d-Garden City	
Project Name	NE Underground Replacement	
Entity Type	Local Government	
Economic Development District (EDD) Planning Commission	Great Plains Development Inc	
Infrastructure Sector(s)	Energy	
BIL Program	Preventing Outages and Enhancing the Resilience of the Electric Grid – 40101(d)	
BIL Program Type	Discretionary (State Pass-Through)	
BIL Application Deadline	12/29/2023	
Build Kansas Fund Request	$302,590.20	
Technical Assistance Received	General	Yes
	BIL Application	No
	Build Kansas Fund Application	Yes
	Other (Brief Description): Garden City has been engaged with the CET and received support on BKF application and budget submission	
Application Notes	Build Kansas Fund contribution of $302,590.20 will unlock $626,048.74 in federal BIL funding. *The application for BIL funding was submitted to KCC for review and approval and received DOE support prior to submitting for BKF.*	

Steering Committee Funding Recommendation	**4/3/2024 | Recommend**

Advisory Committee Target Review	**DATE | Recommend or Deny**

Advisory Committee Funding Recommendation	**DATE | Approve or Deny**

Completeness Review Data

Date Build Kansas Application Received:	11/29/2024
Date Of Completeness Check:	4/01/2024
Date Forwarded to Steering Committee:	4/02/2024

Title

City of Garden City

11/29/2023

by **Kacy Quintana** in **Build Kansas Fund Fiscal Year 2024 Application**

id. 44813930

140 Harvest St
Garden City, Kansas
67846
KS
United States
6202761291
KACY.QUINTANA@GARDENCITYKS.US

Original Submission

04/02/2024

Score	n/a
	Part 1: Applicant Information
The name of the entity applying for the Build Kansas Fund:	City of Garden City
Project Name:	NE Underground Replacement
Entity type:	Local Government
Applicant Contact Name:	Kent Pottorf
Applicant Contact Position/Title:	Electric Operations Manager
Applicant Contact Telephone Number:	+16202761291
Applicant Contact Email Address:	kent.pottorf@gardencityks.us
Applicant Contact Address:	PO Box 998
Applicant Contact Address Line 2 (optional):	140 Harvest St
Applicant Contact City:	Garden City
Applicant Contact State:	Kansas

Applicant Contact Zip Code:	67846
Is the Project Contact the same as the Applicant Contact?	Yes
	Part 2: Build Kansas Fund - Eligibility Criteria
Certify that you are pursuing a viable 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?	Finney 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:	Section 40101(d): Preventing Outages and Enhancing The Resilience of the Electric Grid

What is the funding agency for this Bipartisan Infrastructure Law (BIL) funding opportunity?	U.S. Department of Energy
What is the Assistance Listing Number (ALN) for this Bipartisan Infrastructure Law (BIL) funding opportunity?	81.254
What is the application due date for this Bipartisan Infrastructure Law (BIL) funding opportunity?	12/29/2023
What is the federal fiscal year for this Bipartisan Infrastructure Law (BIL) funding opportunity?	2024
Enter the amount of funding being applied for, from the Bipartisan Infrastructure Law (BIL) funding opportunity:	$626,048.74
Enter the required non-federal match percentage:	48.3333
	Part 4: Build Kansas Fund - Match Application Information
Enter the non-federal match amount being requested from the Build Kansas Fund:	$302,590.20
Is the project able to move forward with a lesser match amount than requested?	Yes

If you are awarded less match than the amount requested, at what amount would your project NOT be able to move forward?	$280,198.16

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.xlsx

	Part 5: Build Kansas Fund - Means Test
Confirm that there are no available funding sources currently planned to go unused by your entity that could be leveraged for this project:	Yes
Confirm there are no available American Rescue Plan Act (ARPA) or Coronavirus State & Local Fiscal Recovery Fund monies that could be used for this match:	Yes
Confirm that you have explored other readily available funding sources (federal or non-federal) to be used for this match:	Yes
Briefly describe your efforts to find other available funding sources for this project:	Additional efforts for funding have only been pursued by requesting additional funds in the Municipal Electric Budget process. The funding for this, if from the Municipal Electric Budget process, would be from all of the rate payers in Garden City, KS.
	Part 6: Additional Information

Please upload a copy of the Bipartisan Infrastructure Law (BIL) program application associated with this request OR a 2-page executive summary providing an overview of the project:

NE_Underground_Replacement.pdf

Provide any additional information about this project (optional):	
	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.	Kent Pottorf
Position/Title:	Electric Operations Manager
Additional:	Kacy Quintana
Position/Title:	Administrative Services Supervisor
Additional:	
Position/Title:	
Additional:	
Position/Title:	

Internal Form

Score	n/a
	Pre-Award Information:
Eligible for Build Kansas Fund?	YES

EDD / Region:	Great Plains
Project Primary Zip Code:	67846.0
Sector:	Energy
Application ID:	2024-031-40101d-GardenCity
BKF pre-obligated amount:	
	Post-Award Information:
Awarded BIL Grant?	
	Deviation Report:

Source	Amount		Zip Code	% of project in zip code
BIL Federal Funds (applied for)	$ 626,048.74		67846	100% in KS
Build Kansas Funds (non-federal match)	$ 302,590.20			
Additional Project Contribution (if applicable)	-			
TOTAL PROJECT COST	$ 928,638.94			

Section 1: Applicant Information

Entity Name: City of Garden City

Entity Type: Municipal Distribution Power Provider

Entity Address: 140 Harvest St, Garden City, KS 67846

Employer Identification Number (EIN): 48-6009982

Unique Entity Identifier (UEI): UGL6E6W4B7X9

EIA Table: City of Garden City

Project Manager Name: Kent Pottorf

Project Manager Phone Number: 620-276-1290

Project Manager Email Address: kent.pottorf@gardencityks.us

IRS Form W-9: Will attach

Latest Financial statement and financial statement audit: Will attach

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): We have not

Section 2: Project Description and Scope

Project Name: NE Underground Replacement

Project Type: Electric Grid Improvement

Project description and scope: (Limit 1000 words) This area was constructed in the 1980s with direct buried cross-linked polyethylene (XLPE) insulated non-jacketed primary 15 kV rated cable operating at 2,400/4,160 volts. This underground cable has exceeded its expected life and is prone to electrical faults. These electrical faults cause unexpected outages to occur, affecting our customers' dependence on the electrical power we provide to them. Another issue with this area is live front primary and secondary pad-mounted transformers. These were also introduced with the original build in the 1980s, and only a few have been replaced due to failure, and present a community safety issue of inadvertent access to the energized area of the transformer. In 2017, the electric department started using the APPA outage tracking software to account for daily outages. We have used this tool to monitor our system, providing us with information on areas prone to outages and taking corrective action. We have been able to respond to other trouble areas and significantly improve our reliability and resilience. The goal is to replace the XLPE cable in affected area with a 2" HDPE duct, which will house the new ethylene propylene rubber (EPR) insulated jacketed primary 15kV rated cable and replace all pad-mounted dead–front transformers. We have had an excellent track record with other underground areas with this installation, allowing for the longer-term life of the primary cable due to added protection and ease of replacement using the 2" HDPE duct. We contract with a local contractor that will directional bore the 2" HDPE duct, by each existing pad-mounted transformer. Directional boring use, in most instances, doesn't require additional Right-of-Way (ROW) for replacement installation. We replace all pad-mount transformer pads, allowing for extended transformer access and maintenance. We will proceed with a voltage conversion to our 7,200/12,470 primary voltage that reduces the line losses within the affected area. Upgrading to this type of equipment reduces the amount of unexpected outages due to primary cable and transformer failures. We are also adding to the project area by upgrading and additional street lighting, contributing to pedestrian and vehicular traffic safety.

Section 3: Need for Funding

Project funding need: (Limit 750 words) This project would benefit the community by not having to seek residential electric rate increases and allow system improvements to improve service to the areas to be completed sooner.

Provide historical and post project estimated interruption frequency and duration data, if known: (Limit 350 words) These are defined by circuit number and number of events since October 2018, a six-year timeframe. All of the circuit numbers represent the project scope.

These circuits are operating at 4,160 volts

306: 20 Average 3.33 per year

406: 37 Average 6.17 per year

506: 32 Average 5.33 per year Total Average of affected area 4.94 per year

Circuits rebuilt to our underground standards are represented for improvement statistics.

These circuits are operating at 12,470 volts

106: 28 Average 4.67 per year

206: 14 Average 2.33 per year Total Average of improvement area 3.5 per year

Overall improvement 28.6% less outages

Provide pro rata customer impact of total project cost: (Limit 350 words) With 786 customers in the project area at a $1,075,038.94 project cost, the Pro Rata customer impact is $1,367.73.

Provide number of customers to be impacted by the project and percentage of impacted customers to total customers in the disadvantaged or underserved community: (Limit 350 words) The City of Garden City serves 10,397 customers in the disadvantaged or underserved community. The project area has a total of 786 total customers for the project resulting in 7.6% of the impacted customers to the total customers in the disadvantaged or underserved community.

Section 4: Complete Budget and Narrative

Award amount requested: $ $913,783.10

Matching funds to be provided: $161,255.84

Budget (Total Costs): $1,075,038.94

Category	Federal ($)	Non-Federal ($)
a. Personal	$ -	$ -
b. Fringe Benefits	$ -	$ -
c. Travel	$ -	$ -
d. Equipment	$603,996.35	$ 106,587.59
e. Supplies	$ -	$ -
f. Contractual	$309,786.75	$ 54,668.25
g. Construction	$ -	$ -
h. Other Direct Costs	$ -	$ -
i. Indirect Charges	$ -	$ -
j. Total	$913,783.10	$ 161,255.84
		$ 1,075,038.94

Project budget upload (optional):

Project budget narrative: (Limit 1000 words) All costs for this project are based upon known equipment from a complex inventory system of in-stock items and our contractual pricing. We will be required to bid for equipment when the funding is provided. We have standardized materials that we order and use transformer loss bid evaluation to provide the best long-term cost analysis.

Cost match commitment letter: pending state funds

Section 5: Project Timeline

Project timeline: (Limit 500 words)

Order long lead items: Transformers, Primary underground cable, all primary terminators, 40-84 weeks after approvals. Order all other shorter lead-time equipment to arrive before long-lead-time equipment.

Notify the contractor of equipment arrivals for HDPE duct installation: 15 weeks to install duct

City Electric crews prepare for customer outages before installing transformers and pads, primary underground cables, and terminations: 1 week ahead for notification and 15 weeks to complete.

Finish up all restoration of the area in the project: 2 weeks

Total to finish: 70-100 weeks. Equipment availability due to supply chain issues will be the major obstacle to overcome.

Section 6: Bids and Estimates

Bids and estimates: Current contractor duct installation per foot price: 2" $13.00 and 6" $16.00.

All estimates for equipment are based on current inventory cost.

Section 7: Community Benefit

Community benefit narrative: (Limit 500 characters) Improved system reliability and resilience will benefit the entire community through lower maintenance and operating costs of the overall electrical distribution system Overall, investing in improving the utility electrical distribution system has the potential to bring numerous positive impacts to the neighborhood, ranging from increased reliability and safety to economic growth and environmental sustainability.

Provide historical measurements of resilience and reliability for the targeted areas of each proposed project: (Limit 250 characters) Based upon circuit and event cause Oct. 2018-Sept. 2023

Circuit 306: 9 equipment failure, 3 weather related Total 12

Circuit 406: 15 equipment failure, 5 weather related Total 20

Circuit 506: 15 equipment failure, 4 weather related Total 19

Provide expected changes to the historical data as a result of each proposed project: (Limit 250 characters) Based upon each circuit the equipment failure would be reduced by a minimum of 75% and all weather related outages will be reduced by 50% resulting in an overall electric distribution system improvement of 31.3% for reliability.

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: (Limit 250 characters) Community and project outage duration measurements indicate the project area has contributed to longer outage durations related to Maintenance, Equipment failure, Storm (mainly heavy rain flooding), and equipment overloads.

Provide age of system or line segments to be replaced or repaired, type of equipment that failed, and number of annual outages for the project areas: (Limit 250 characters) 1980s installation of project area. Average of 15 outages per year in the project area.

Provide a number of protective devices (fuses or breakers) that have operated more than once in a rolling 12-month period: (Limit 250 characters) Three circuits breakers have operated 2 times , 13 primary distribution / substation fuses have been caused to blow (fail) due to system failures.

Provide a number of customers impacted by project and the percentage to total customers served in Kansas: (Limit 250 characters) The City of Garden City serves a total of 12,373 total customers. In the project area there are 786 customers. This percentage is 6.35.

Description of the efforts to attract, train, and retain a skilled workforce for this project: (Limit 250 characters) This project will include apprentice linemen who may not have been exposed to this type of work before, therefore providing a training atmosphere that they may not otherwise have.

Provide an estimate of job creation due to this project: (Limit 250 characters) This project has the possibility of creating an additional 5 to 8 jobs for the area electrical / boring contractors in the area.

Identify any plans to partner with training providers to support workforce development: (Limit 250 characters) We would offer training opportunities to help them develop new skills, improve their technical knowledge, and industry advancements. Ultimately, boost their overall competency in managing and maintaining the electrical systems in their communities.

Provide any other metric(s) that indicates potential community benefit: (Limit 250 characters) Overall, investing in improving the utility electrical distribution system has the potential to bring numerous positive impacts to the community, ranging from increased reliability and safety to economic growth and environmental sustainability.

Confirmation that the applicant will comply with all Davis-Bacon Act requirements: We would familiarize ourselves with the provisions of the Bacon-Davis Act, including the requirements for prevailing wages, fringe benefits, and record-keeping. Obtain the appropriate wage determination from the U.S. Department of Labor and ensure that workers are paid the prevailing wages specified in the wage determination for their respective job classifications. This includes both hourly wages and any applicable fringe benefits.

Confirmation that the applicant will comply with all Buy America Requirements: In our bid specifications for materials required for this project, we will request documentation from suppliers that verifies their compliance with the Buy America requirements. This could include certifications, affidavits, or other supporting documentation that demonstrates the origin and content of the products.

Confirmation that the applicant will submit an environment questionnaire (NETL Form 451.1-1-3), if required, for each work area proposed in the application: Yes