

Grid Resiliency 40101(d) Grants

Joint Committee on Kansas Security
October 9, 2024

Lynn Retz, Executive Director



40101(d)

Kansas Award July 2023:

Two year allocation for Kansas:

- \$6,666,178 year 1 (FY22)
- \$6,646,948 year 2 (FY23)
- Total for first two years: \$13,313,126 federal allocation
- Total State match required: \$1,996,968
- Total for two years: \$15,310,094.90

40101(d) –Objective: Improve the resilience of the electric grid against disruptive events

Eligible Investments

- Adaptive protection technologies
- Advanced modeling technologies
- Fire-resistant technologies and fire prevention systems
- Hardening of power lines, facilities, substations, or other systems
- Monitoring and control technologies
- Relocation of power lines or reconductoring of power lines with low-sag, advanced conductors
- Replacement of old overhead conductors & underground cables
- Undergrounding of electrical equipment
- Use or construction of DERs for enhancing system adaptive capacity during disruptive events, including microgrids and battery-storage subcomponents
- Utility pole management
- Vegetation and fuel-load management
- Weatherization technologies and equipment

Note: Taken from National Energy Technology Laboratory Grant Kick-Off Meeting Power Point

40101(d) –Objective: Improve the resilience of the electric grid against disruptive events

Ineligible Investments

- Construction of a new electric generating facility
- Large-scale battery storage facilities **not** being used to supply electricity where needed during disruptive events
- Cybersecurity measures

- **Note:** Taken from National Energy Technology Laboratory Grant Kick-Off Meeting Power Point

Performance & Cost Match

- **Period of Performance** – 5 Years (initially) (may be up to 10 years)

Cost Match Requirements	
State/Tribes	15% of Federal Allocation
Subawardee *Selling more than 4M MWh per year	100% of Subaward Value
Subawardee *Selling 4M MWh or less per year	1/3 of Subaward Value

- Note: Information and table taken from NETL Kickoff Meeting

40101(d) –Objective: Improve the resilience of the electric grid against disruptive events. First Round of Applications 2024.

- 31 applications received
- \$45 million + worth of projects
- 11 projects selected
- 11 projects received approval for matching funds assistance
- Projects being submitted to DOE for final approval

Entity	Project	40101d Federal Funding Amount	Match Funds/ Build Kansas Funds	Total Project Cost
City of Pratt	Substation Hardening Project - purchase of new transformer	\$ 2,140,449.49	\$ 1,034,550.51	\$ 3,175,000.00
Victory Electric Coop Association	South Dodge Resiliency - purchase, engineering, and installing reclosers	\$ 1,480,128.57	\$ 715,395.43	\$ 2,195,524.00
City of Anthony	Feeder Line Rehabilitation Project - replacement of poles, transformers, reclosures, and conductors	\$ 271,368.55	\$ 131,161.45	\$ 402,530.00
Heartland Rural Electric Coop	Resiliency Enhancements to Strategically Transfer Optimized Reliable Energy - installation of distribution monitoring equipment, modernize relays, and replacement of overhead conductors and poles	\$ 414,626.98	\$ 200,403.02	\$ 615,030.00
Arkansas Valley Electric Coop.	System Resiliency - replacement of conductors, installation of new monitoring and controls systems, and relocation of power lines	\$ 487,078.66	\$ 235,421.34	\$ 722,500.00
City of Holton	Transformer and Feeder line Circuit Improvements - installation of new poles, conductors, insulators, and transformers	\$ 1,647,640.49	\$ 796,359.00	\$ 2,443,999.49
City of Blue Mound	Substation, Line, and Pole Replacement - new substation, replacement of poles, wires, and platform transformers.	\$ 270,071.00	\$ 130,534.09	\$ 400,605.09
Pioneer Electric Coop	Electric Grid Resiliency, Vulnerability, and Innovation Initiative - upgrade powerlines, pole testing, and investment in drone and monitoring	\$ 3,259,550.64	\$ 1,575,449.36	\$ 4,835,000.00
City of Garden City	NE Underground Replacement - replacement of underground conductors and transformers	\$ 626,048.74	\$ 302,590.20	\$ 928,638.94
City of Attica	34.5 kV Feeder Line Rehabilitation Project - installation of a new transformer	\$ 296,629.22	\$ 143,370.78	\$ 440,000.00
City of Horton	Substation Upgrade - replacement of outdated substation and building, and reclosures	\$ 1,095,505.64	\$ 529,494.36	\$ 1,625,000.00
		\$ 11,989,097.98	\$ 5,794,729.54	\$17,783,827.52

40101(d)

Kansas Award – Round Two -

- \$6,489,249 year 3 Federal Funds
- \$972,387 state match required (does not include entity match)
- October 9, 2024 – Notice of Funding Opportunity Announced.
- January 9, 2025 – Application submission deadline.
- No earlier than February 28, 2025 – Notice of project selection by KCC and further filing and determination of adequacy from DOE.

Contact Information

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