

Kentucky Grid Resilience Funding Application

KY Office of Energy Policy requests project submissions from electric providers within the Commonwealth of Kentucky under Section 40101(d) of the Bipartisan Infrastructure Law.

Applicant Information

Electric Utility Name:

Utility Physical Address:

Street Address

Street Address Line 2

City

State / Province

Postal / Zip Code

Mailing Address

Street Address

Street Address Line 2

City

State / Province

Postal / Zip Code

How many megawatts hours of electricity did your utility sell last year? This will be verified by EIA Records or applicant will be required to show back up documentation.

Authorized Applicant's Contact Information:

Commonwealth of Kentucky Secretary of State Number

<https://www.sos.ky.gov/Pages/default.aspx>

Kentucky eMars procurement system number

<https://finance.ky.gov/eProcurement/Pages/default.aspx>

Federal UIE number

Name

First Name

Last Name

Title:

Email

example@example.com

Phone Number

Please enter a valid phone number.

Acknowledgements

Below are the project activities that ineligible for funding under Section 40101(d):

1. Construction of a new -

- a) electric generating facility; or
- b) large-scale battery-storage facility that is not used for enhancing system adaptive capacity during disruptive events; or

2. Cybersecurity

Do you acknowledge that ineligible activities cannot be funded under Section 40101(d)?

- Yes, I acknowledge.
- Other

Do you acknowledge that Section 40101(d) funding is federal funding and projects must comply with federal compliance requirements that include but are not limited to: Davis Bacon Act, Build American Buy American, NEPA, and The National Historic Preservation Act?

- Yes, I Acknowledge.
- Other

Do you acknowledge that public infrastructure projects funded with federal funds in total or in part will be required to purchase goods/ materials that are compliant with Build American, Buy American (BABA)? This may affect budget projections for the project.

- Yes, I acknowledge.
- Other

Do you acknowledge that projects funded with federal funds in total or in part will be required to pay prevailing wage compliant with Davis Bacon? This may impact budget projections for the project.

- Yes, I acknowledge.
- Other

Do you agree that if selected your organization will be required to enter into a contract with the state of Kentucky, to submit monthly reports using the state designated system, and designate time to meet with an state project officer routinely.

- Yes
- No

Match Requirement Information

An eligible entity that sells not more than 4,000,000 megawatt hours of electricity per year is required match one-third of the amount of the subaward as required by Section 40101(h)

(2).

Please acknowledge that you understand and accept responsibility for providing the match required for this proposed project.

Yes

No

Please specify the source of the match funding you are providing for this project.

Qualification and Capabilities

Please provide a list of project team members with a brief description of their capabilities as it relates to the project proposed.

Please detail how your electric utility is qualified to implement the proposed project and how you are qualified and capable of complying with federal and state requirements.

Project Information

Please describe the general location details of the proposed grid resilience project. For example, circuit or substation locations, neighborhood or distribution system location, or city locations. Be as specific as possible.

Please list the counties impacted by this project.

Does your electric utility have a distribution reliability or resilience plan?

- Yes
- No
- Unknown

If yes, please provide a link to the plan if available

The type of projects are restricted to the following eligible activities as stated in the IJA Section 40101(d) - Preventing Outages and Enhancing the Resilience of the Electric Grid Formula Grants to States and Indian Tribes. Please select one or more of the following eligible activities that is applicable to the proposed project.

- weatherization technologies and equipment
- fire-resistant technologies and fire prevention systems
- monitoring and control technologies
- the undergrounding of electrical equipment
- utility pole management
- the relocation of power lines or the reconductoring of power lines with low-sag, advanced conductors
- vegetation and fuel-load management
- the use or construction of distributed energy resources for enhancing system adaptive capacity during disruptive events, including: a. microgrids; and b. battery-storage subcomponents
- adaptive protection technologies
- advanced modeling technologies
- hardening of power lines, facilities, substations, of other systems
- the replacement of old overhead conductors and underground cables.

Project Title:


Total Amount of Federal Funds Requested:

Start Date:

Date

End Date:

Date

Scope of Work

1. Provide a description of your proposed project, including proposed project activities, needs addressed, community benefits, and a brief justification for funding.

2. What is the estimated timeline to complete your project? Include milestones.

The [National Risk Index](#) is a dataset and online tool to help illustrate the United States communities most at risk for 18 natural hazards. It was designed and built by FEMA in close collaboration with various stakeholders and partners in academia; local, state and federal government; and private industry.

3. Does the project fall within a heightened risk area, using the FEMA National Hazard Risk Index?

- Yes
 No

The federal government recognizes census tracts that are overburdened and underserved as Disadvantaged Communities (DAC). See the Climate and Economic Justice Screening Tool [map](#) for more information and to see if your project's location falls into one of these areas.

4. Is your proposed project located in a Disadvantaged Community (DAC), as defined by the Climate and Economic Justice Screening Tool?

- Yes
 No

5. Does the project support geographic areas that have been impacted by a state or federal declared natural or man-made disaster event within the last five years ?

Yes

No

Eligible projects should be able to illustrate the current and anticipated safety improvements, using known safety standards in place for the power sector and ensure projects meet local, state, and federal codes. In addition, using System Average Interruption Duration Index (SAIDI) and System Average Interruption Frequency Index (SAIFI) or equivalent data, demonstrate that the project's geographic scope includes areas that suffer from increased frequency or duration of outage events compared to for example the average 5-year SAIDI or SAIFI or equivalent measure?

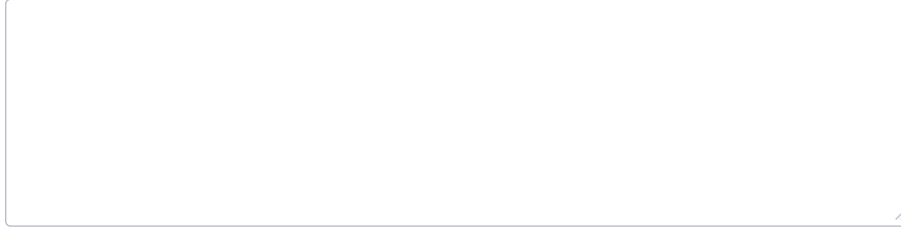
6. Describe how the project will improve the safety and reliability of the electric system.

Eligible projects should demonstrate the environmental sustainability of the project by calculating - if applicable - reduced emissions, use of recycled materials, reduction in waste generation or discharge, sourcing of local materials, supplies and labor, and conservation of natural resources.

7. Describe how the project is environmentally sustainable.

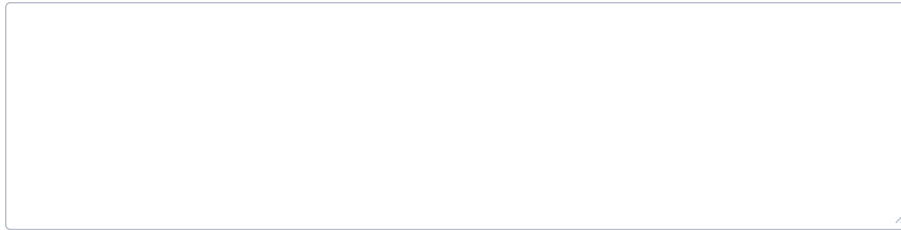
8. Describe how the project will serve/support a regional or local resilience hub, or show alignment with Kentucky's microgrid feasibility assessment (linked below).

Resilience Hubs are community-serving facilities augmented to support residents, coordinate communication, distribute resources, while enhancing quality of life especially during disaster response and recovery. Resilience Hubs utilize a trusted physical space such as a community center, educational facility, recreation facility, or multi-family housing building as well as the surrounding infrastructure such as a vacant lot, community park, or local business.



[KY Microgrid Feasibility Assessment](#)

9. Describe how the project supports or is aligned with the Kentucky Energy Security Plan and the Kentucky Emergency Operations Plan.



[KY Emergency Operations Plan](#)

[Kentucky Energy & Environmental Cabinet - Energy Assurance](#)

Eligible projects may utilize data sets from the Centers for Disease Control, U.S. Department of Energy, U.S. Census Bureau, state or academic data sets, or the Council on Environmental Quality to demonstrate that impacted geographic areas and populations have characteristics that could classify them as under-resourced, under-represented, socially vulnerable, or otherwise considered “disadvantaged.” [The Kentucky Office of Energy Policy](#) can provide GIS assistance on identifying these data sets for eligible entities.

10. Describe how the project supports under-resourced, vulnerable populations or communities.

11. Describe how the project intends to use local workforce.

12. Please describe how this project will impact future economic development opportunities.

Eligible projects should demonstrate the cost effectiveness of the mitigation measures. Cost-effectiveness analysis compares outcomes based on relative costs to see which of the measures provides the best opportunities for success. Eligible entities may choose to use resources provided under 40101(d) to assist with determining cost effectiveness of project activities. <https://netl.doe.gov/bilhub/grid-resilience/resources-library>

13. Describe how the project's mitigation measures are cost effective.

14. Eligible projects should also be able to show community benefit - either quantitatively, using cost benefit, or qualitatively for outcomes with no measurable benefit. Please detail how this project intends to track community benefits and what metrics will be utilized. Resources on community benefit planning can be found here <https://netl.doe.gov/bilhub/grid-resilience/resources-library>

15. Does the project provide an opportunity for energy and environmental education?

- Yes
- No

If yes, please describe the education opportunity.


Eligible projects should demonstrate an energy and environmental education component supporting science, technology, engineering, and mathematics (STEM) via onsite opportunities, curriculum development, internships, apprenticeships, or work study opportunities.

16. Please describe your community engagement plan, marketing and communications strategy, and detail opportunities for community feedback and discussion. Please list any community partners that will assist with engagement of impacted community households or businesses.

Detailed Project Budget

Provide a detailed cost breakdown of the entire project. Click [here](#) to download our mandatory budget template.

Budget File Upload:


Browse Files
Drag and drop files here


Signature


Name of Authorized Applicant:

First Name

Last Name

I hereby represent and certify that the attached information, to the best of my knowledge, is true and complete and accurately describes the proposed project for which we are seeking financial assistance. *

Sign Here 



Clear

Date

MM-DD-YYYY 

Date

Print

Submit

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