

Energy Funding Through BIL (IIJA)

North Central Regional Planning Commission
November 15, 2022
Salina, Kansas



Funding through Department of Energy

source: <https://www.energy.gov/bil/bipartisan-infrastructure-law-programs-department-energy>

- Rural and Municipal Utility Advances Cybersecurity Grant and Technical Assistance Program
 - Rural Electric Cooperatives, Municipally-Owned Electric Utilities, Other State-Owned Utilities, Small Investor-Owned Utilities
 - To deploy advanced cybersecurity technologies for electric utility systems; and (2) To increase the participation of eligible entities in cybersecurity threat information sharing programs.
 - Responses to the RFI must be submitted via email to DE-FOA-0002877@netl.doe.gov by 5:00 p.m. ET on December 19, 2022.

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- Deployment of Technologies to Enhance Grid Flexibility
 - Utilities; Institutions of higher education; For-profit entities; Non-profit entities; and **State and local governmental entities**, and Tribal nations.
 - Qualifying Smart Grid investments including for installation, that allow buildings to engage in demand flexibility or Smart Grid functions. Eligible investments include metering, control, and other devices, sensors, and software; communications and broadband technologies to support smart grid deployment; technologies and programs to integrate electric vehicles to the grid; devices and software for buildings support demand flexibility and other smart grid functions; operational fiber and wireless broadband communications networks enabling data sharing between distribution system components; and Advanced transmission technologies, including dynamic line rating, flow control devices, advanced conductors, and network topology optimization, to increase the operational transfer capacity transmission networks
 - Applications for the Smart Grid program are expected to be open by the end of 2022.

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- Program Upgrading Our Electric Grid and Ensuring Reliability and Resiliency
 - State, combination of 2 or more States; Indian Tribes; units of local government, and/or public utility commissions.
 - To coordinate and collaborate with electric sector owners and operators—(A) to demonstrate innovative approaches to transmission, storage, and distribution infrastructure to harden and enhance resilience and reliability; and (B) to demonstrate new approaches to enhance regional grid resilience, implemented through States by public and rural electric cooperative entities on a cost-shared basis.
 - Estimated application opening date is Q4 of 2022.

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- Preventing Outages and Enhancing the Resilience of the Electric Grid (40101(d)): two parts to this grant
 - Competitive grant - Electric Grid Operators, Electricity Storage Operators, Electricity Generators, Transmission Owners and Operators, Distribution Providers, Fuel Suppliers, States, Tribes
 - The formula grant will be made to States and then passed through to sub-recipients as listed above.
 - To carry out activities that are supplemental to existing hardening efforts and reduce the risk of power lines causing a wildfire; or reduce the likelihood and consequences of disruptive events.
- State and Tribal Grid Resilience Grants – FY22 funding open through March 31, 2023.
- Competitive Grid Resilience Grants – Funding Opportunity Announcement estimated November 2022 (or 4th quarter 2022).

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- Grants for Energy Improvements at Public School Facilities
 - Consortium of One Local Education Agency and one or more Schools, Non-Profits, For-Profits, and Community Partners
 - Energy efficiency (envelope, HVAC, lighting, controls, etc.), ventilation, renewable energy, alternative vehicles, and alternative fuel vehicle infrastructure improvements.
 - Applications for the *Renew America's Schools* grant will open by the end of 2022.
 - Applications for the Energy CLASS Prize will open in November 2022 and close in February 2023.
 - schoolsfoa@doe.gov

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- Energy Efficiency and Conservation Block Grant Program (EECBG)
 - State/Local Government/Tribes
- Development and implementation of an energy efficiency and conservation strategy
- retaining technical consultant services to assist the eligible entity in the development of such a strategy,
- conducting residential and commercial building energy audits;
- establishment of financial incentive programs for energy efficiency improvements;
- the provision of grants to nonprofit organizations and governmental agencies for the purpose of performing energy efficiency retrofits;
- development and implementation of energy efficiency and conservation programs for buildings and facilities within the jurisdiction of the eligible entity,
- development and implementation of programs to conserve energy used in transportation,
- development and implementation of building codes and inspection services to promote building energy efficiency;

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- **EECBG – Continued**

- application and implementation of energy distribution technologies that significantly increase energy efficiency,
 - activities to increase participation and efficiency rates for material conservation programs, including source reduction, recycling, and recycled content procurement programs that lead to increases in energy efficiency;
 - the purchase and implementation of technologies to reduce, capture, and, to the maximum extent practicable, use methane and other greenhouse gases generated by landfills or similar sources;
 - replacement of traffic signals and street lighting with energy efficient lighting technologies,
 - development, implementation, and installation on or in any government building of the eligible entity of onsite renewable energy technology that generates electricity from renewable resources
- **Estimated application opening date, 4th quarter 2022.**

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- Energy Efficiency Revolving Loan Fund
 - provide capitalization grants to States to establish a revolving loan fund under which the State shall provide loans and grants for energy efficiency audits, upgrades, and retrofits to increase energy efficiency and improve the comfort of buildings.
 - Residential and commercial energy audits, upgrades, and retrofits
 - Estimated application opening date, 4th quarter 2022 (rumor is mid-November)

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- Building Codes Implementation for Efficiency and Resilience
 - Applications for funding expected by the end of 2022;
- Energy Auditor Training Grant Program
 - Estimated application opening date is Q1 2023

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- State Energy Program
 - States
 - Energy conservation measures, renewable energy measures, and programs to increase deployment of clean energy technologies in buildings, industry and transportation, including programs to help reduce carbon emissions in the transportation sector and accelerate the use of alternative transportation fuels for, and the electrification of, State government vehicles, fleet vehicles, taxis and ridesharing services, mass transit, school buses, ferries, and privately owned passenger and medium- and heavy-duty vehicles.

Challenges

- Limited resources:
 - Staffing
 - Match requirements
 - Application process – grant writing
 - Timing of grant deadlines
 - Increased reporting
 - Davis-Bacon
 - Buy American
 - National Environmental Protection Act
 - Quarterly performance reports

Resources



- <https://kshub.org/>
- <https://www.energy.gov/bil/bipartisan-infrastructure-law-homepage>
- <https://www.energy.gov/articles/rural-opportunity-tour-fact-sheet>

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