



NEVADA GOVERNOR'S OFFICE OF ENERGY

The Nevada Governor's Office of Energy(GOE)

40101(d) Subaward Application

Grid Resilience Formula Grant

For Small Utilities

Program Summary

The GOE announces a \$ 7,086,000.00 funding opportunity for the Federal Grid Resilience Grant Program. This program will fund improvements to electric grid infrastructure in the state, particularly as it relates to the ability to withstand and recover from potential disruptions. The Nevada GOE seeks electric grid infrastructure projects that can demonstrate increased reliability and resilience, build upon existing efforts, and have strong community benefits.

Application Process begins 04/15/2025

Deadline: Application must be submitted by 06/16/2025

Submit: Please submit to GOEgrants@energy.nv.gov and include your organization name along with 40101(d) Application in your title.

Eligible Applicants: Eligible applicants are defined within the Notice of Funding Opportunity but generally include one of the three listed below.

- Investor-Owned Utilities (IOU)
- Cooperative Utilities
- Municipal Utilities

Match Requirements:

1. Small utilities 48% of federal funding amount (Sales under 4,000,000 megawatt hours of electricity per year.)
2. All other eligible entities match 115% of federal funding amount.

I. Organization Information

Organization Name:

Address:

City:

State:

County:

Website:

UEI:

State Vendor Number:

II. General Project Information

Project Title:

Funds Requested:

Proposed Match:

Total Budget (Funds + Match):

Anticipated Start Date:

Anticipated Completion Date:

Project Address:

III. Contact Information for Project Manager

Contact Name:

Contact Title:

Organization:

Email Address:

Phone:

IV. Contact Information for Authorized Negotiator

Contact Name:

Contact Title:

Organization:

Email Address:

Phone:

V. Has the applicant received \$750,000.00 or more in federal awards during the current fiscal year?

If yes, please list the federal awards below and provide a copy of the most recent A-133 audit.

Yes

No

Description/Abstract of the project:

Program Narrative Part 1: Explanation of how the proposed resilience project addresses the community and grid resilience objectives described in the GOE NOFO and how it will reduce the likelihood and consequences of disruptive grid events (i.e., events in which operations of the electric grid are disrupted, preventively shut off, or cannot operate safely due to extreme weather, wildfire, or a natural disaster).

Program Narrative Part 2: Provide an estimated project timeline. Please include information on project start date, bidding and/or permitting time frames, project completion, and any known or anticipated contingencies that will impact the timeline. A workplan template is available on the GOE website and can be submitted along with this application.

A. Subawardee Eligibility:

- i. Is an application being submitted under IIJA Section 40101(c) FOA 2740 (GRIP)?

Yes No

If Yes, please describe the differences between 40101(d) and 40101(c) applications:

- ii. Is the Subawardee an eligible entity type identified in IIJA section 40101(a) (2):

- (i) an electric grid operator
- (ii) an electricity storage operator
- (iii) an electricity generator
- (iv) a transmission owner or operator
- (v) a distribution provider
- (vi) a fuel supplier
- (vii) Other – Requesting Secretary approval. Explain below:

Yes No

- iii. Cost Matching: Does the eligible entity sell more than 4,000,000 megawatt hours of electricity per year?

(i) Yes – 115% cost match is required:

(ii) No – 48% cost match is required:

(iii) Number of megawatt hours of electricity sold

(iv) Data source:

An acceptable data source for verifying electricity sales is https://www.eia.gov/electricity/sales_revenue_price/xls/table10.xlsx

Additional information can be provided in the text box:

iv. Has the Subawardee been debarred or is a suspended entity?

Yes No

If Yes, please explain below:

v. Confirmation that the Subawardee will pay all of the laborers and mechanics performing construction, alteration, or repair work in excess of \$2,000 on projects funded directly by or assisted in whole or in part by and through funding under the award, wages at rates not less than those prevailing on projects of a character similar in the locality as determined by subchapter IV of Chapter 1 of Title 40, United State Code commonly referred to as the "Davis- Bacon Act" (DBA).

Yes No

If No, please explain below:

vi. Are there any known foreign nationals participating in the proposed project? (refer to the Foreign Entity Participation of Foreign Work in the United States Guidance document on the GOE website.)

Yes No

If yes, please explain below:

vii. Will the Buy American (BABA) requirement be followed as defined in the Terms and Conditions of the Assistance Agreement?

Yes No

If no, please explain below:

viii. Are the proposed Subawardee/subcontractor and second-tier subcontractors Domestic Entities.

Yes No

If no, please explain

B. Subaward/Subcontract Solicitation Process and Compliance:

- i. Does the process undertaken to solicit the subaward/subcontract comply with the recipient's written procurement procedures as outlined in 2 CFR 200.318?

Yes No

- ii. Is the proposed work to be done an eligible activity identified in IJA Section 40101(e)(1), also listed below? (Check all that apply) Please see Section I.C of the ALRD.

- Vegetation and fuel load management.
- Replacing old overhead conductors and underground cables.
- Fire-resistant technologies and fire prevention systems.
- Weatherization technologies and equipment.
- Monitoring and control technologies.
- Undergrounding electrical equipment.
- Utility pole management.
- Reconductoring power lines with low-sag, advanced conductors.
- Hardening power lines, facilities, substations, or other systems.

Yes No

If no, please explain below:

(i) Does the proposed effort include a component for the training, recruitment, retention, and reskilling of skilled and properly credentialed workers?

Yes No

If yes, please explain below:

iii. Is the proposed subaward effort consistent with the GOE Program objectives provided in the NOFO?

Yes No

iv. Does the recipient acknowledge that the primary purpose of the proposed project is not cybersecurity but that the implementation of the proposed project will adhere to any applicable cybersecurity requirements, and where possible, best practices in deploying technologies under their subaward?

Yes No

Provide a brief description below:

- v. Is there any planned, actual or apparent conflict of interest that exists between the Recipient and the selected subawardee/subcontractor and will the Recipient's written standards of conduct be followed?

Yes No

If Yes, please explain below:

- vi. Is the subawardee a Small Utility as defined by the Small Utilities Set Aside requirement set forth in Section 40101(d)(6) of IJA?

Yes No

If yes, explain how the eligible entity meets the definition of a Small Utility:

- vii. Will all required award provisions be flowed down in the resulting subaward/subcontract?

Yes No

IV. Evaluated Criteria (These criteria will be evaluated by the GOE review committee.)

Project Impact & Technical Merit (25 points)

Topic 1: The project demonstrates a strong and innovative technical approach to improving electric grid resilience, reliability, and adaptability to climate-related challenges. In the text box below please provide details on:

- (1) Technical Approach Quality – The proposal presents a clear, well developed, and technically sound plan that directly addresses known grid vulnerabilities. (5 points)
- (2) Innovation - The project includes unique or advanced technologies, practices, or strategies that go beyond standard industry approaches. (5 points)
- (3) Use of Eligible Resilience Measures - The application clearly identifies and integrates one or more eligible resilience measures as defined in the NOFO. (4 points)
- (4) Expected Impact on Outages - The project demonstrates strong potential to reduce both the frequency and duration of outages during disruptive events. (4 points)
- (5) Adaptability to Climate Risks - The project is designed to address current and future climate-related risks (e.g., wildfires, extreme weather) and enhance long-term system adaptability. (4 points)
- (6) Measurable Outcomes and Metrics - The application includes specific, measurable performance outcomes aligned with program goals, such as miles of hardened lines or number of upgraded substations. (3 points)

Alignment with Objectives & Priorities (20 points)

Topic 2: Degree to which the project aligns with program objectives: In the text box below please provide details on:

- (1) Grid Modernization - The project supports efforts to modernize electric infrastructure through hardening, automation, advanced technologies, or other resilience improvements. (5 points)
- (2) Climate Risk Mitigation - The proposal demonstrates how the project mitigates risks related to climate-driven events such as wildfires, extreme heat, and storms. (4 points)
- (3) Energy Resilience - The project is expected to enhance the reliability, adaptability, and continuity of energy supply, particularly during disruptive events. (4 points)
- (4) Job Creation - The project contributes to the creation of good-paying jobs, supports union or prevailing wage opportunities, and/or includes workforce development. (4 points)
- (5) Support for Underserved Communities - The project directly benefits underserved or disadvantaged communities, with a clear strategy to improve equity in energy access or resilience. (3 points)

Project Readiness & Feasibility (15 points)

Topic 3: Clarity and Completeness of work plan. In the text box below please provide details on:

- (1) Clear and Detailed Work Plan - The application includes a comprehensive and actionable work plan with defined phases, milestones, and deliverables. (4 points)
- (2) Realistic Timeline - The proposed timeline is achievable and aligns with project scope, showing readiness to begin promptly and meet performance periods. (3 points)
- (3) Budget Accuracy and Justification - The budget is well-structured, justified, and appropriate to the scope of work, with reasonable cost assumptions. (3 points)
- (4) Evidence of Partnerships - Letters of support or documented roles from collaborators, utilities, or community stakeholders demonstrate strong partnerships. (2.5 points)
- (5) Permitting and Approvals - Applicant shows awareness of permitting or regulatory requirements and provides evidence that key steps are underway or completed. (2.5 points)

Workforce Development & Job Quality (15 points)

Topic 4: Potential for job creation, quality of jobs (e.g., prevailing wages, union partnerships), training or apprenticeship opportunities, and inclusion of underrepresented groups. In the text box below please provide details on:

- (1) Job Creation Potential - The project demonstrates a strong potential to create new jobs, particularly in construction, operations, or long-term maintenance. (4 points)
- (2) Jobs created offer competitive wages (e.g., prevailing wages), benefits, and opportunities for advancement. (3 points)
- (3) Workforce Training and Apprenticeships - The project includes partnerships or programs for skills training, certifications, or apprenticeships in energy or related fields. (3 points)
- (4) The applicant outlines strategies to recruit, train, and retain workers from historically underserved or underrepresented populations. (3 points)
- (5) Engagement with labor unions or worker organizations is demonstrated through formal partnerships, letters of support, or agreements. (2 points)

Measurable Outcomes & Metrics (10 points)

Topic 5: Definition and robustness of performance metrics, including resilience outcomes, community and workforce benefits, and DEI indicators. Plans for monitoring and reporting progress. In the text box below please provide details on:

- (1) Definition of Metrics - The proposal includes clear, specific, and relevant metrics tied to project objectives and activities. (3 points)
- (2) Resilience and Reliability Outcomes - Metrics directly address improvements in grid resilience, reliability, and reduction in outage frequency/duration. (2 points)
- (3) Community and Workforce Benefits Tracking - Metrics include quantifiable indicators for job creation, training participation, or support for underserved communities. (2 points)
- (4) DEI Indicators - Applicant proposes metrics to assess diversity, equity, and inclusion efforts in hiring, training, or community engagement. (1.5 points)
- (5) Monitoring and Reporting Plan - The proposal includes a clear strategy and timeline for collecting, analyzing, and reporting on key metrics. (1.5 points)

Sustainability & Long-Term Impact (10 points)

Topic 6: Demonstrated plan for long-term viability, post-grant sustainability, and ability to provide enduring benefits to communities and the grid. In the text box below please provide details on:

- (1) Post-Grant Sustainability Plan - Clear strategy for maintaining and operating the project after grant funding ends. (3 points)
- (2) Long-Term Grid Benefits - The project is expected to provide durable improvements to grid resilience, reliability, or adaptability. (2.5 points)
- (3) Community Impact Over Time - Describes how the project will continue to benefit communities, particularly underserved populations. (2 points)
- (4) Financial or Institutional Support - Evidence of ongoing funding, cost recovery mechanisms, or institutional backing to support project longevity. (1.5 points)
- (5) Risk Mitigation Measures - The proposal addresses risks to sustainability and outlines steps to mitigate them. (1 point)

Community Benefits & DEI (5 points)

Topic 7: Strategies for promoting equity and inclusion, benefiting disadvantaged communities, incorporating community engagement, local hiring, and transparent benefit-sharing. In the text box below please provide details on:

- (1) Clearly define the impacted community and the need the project will serve within the community. (1 point)
- (2) Clearly explain the specific benefits the project will create in the community. (1 point)
- (3) Establish metrics to monitor community benefits and explain the rationale for the selected metrics to track community benefits. (1 point)
- (4) Describe the percentage of customers the project will serve. (1 point)
- (5) Describe the community support for the project or provide a plan for stakeholder engagement for the project. (Letters of support are accepted.) (1 point)

Administrative Compliance

The project must adhere to administrative requirements. In the text box below please describe the Subawardee's experience and a clear plan for administrative compliance with:

- (1) The National Environmental Policy Act.
- (2) Section 106 of the National Historic Preservation Act (if applicable).
- (3) The Davis Bacon Act.
- (4) Build America Buy America.

Appendix A: Project Build and Resilience Impact Metrics

Note: Check the build and resilience impact metrics that will be collected for the proposed resilience project and reported in the Monthly Progress Report. In addition to the build and resilience impact metrics identified below, the Annual Program Metrics and Impact Report will further capture benefits that communities realize through the program. Information collected in the annual report will include communities affected by specific projects, avoided outages and reduced restoration time because of projects, community and labor engagement; workforce and community agreements, collective bargaining agreements and project labor agreements, investments in job quality and skilled workforce; diversity, equity, inclusion and accessibility; and Justice40 benefits.

Table 1: Build Metrics

- Miles of new distribution lines
- Miles of distribution lines undergrounded
- Miles of distribution lines of vegetation clearing
- Miles of distribution lines reconducted
- Miles of distribution lines with other upgrades
- Number of distribution poles inspected
- Number of distribution poles replaced
- Number of distribution poles with other upgrades
- Miles of new transmission lines
- Miles of transmission lines undergrounded
- Miles of transmission lines of vegetation clearing
- Miles of transmission lines reconducted
- Miles of transmission lines with other upgrades
- Number of transmission structures inspected
- Number of transmission structures replaced
- Number of transmission structures with other upgrades
- Number of substations relocated
- Number of substations with added physical protection
- Number of substations with added sensors/monitors
- Number of substations with elevated equipment
- Number of substations with upgraded equipment
- Number of substations with other upgrades
- Number of substations with redundant equipment
- Number of fault location, Isolation and service restoration (FLISR) devices installed
- Number of other monitoring/metering devices installed
- Number of other protection or control devices installed
- Power rating of battery system installed (MW)
- Energy rating of battery installed (MWh)
- Power rating of mobile back up generation unit (MW)
- Voltage rating of mobile substation (kV)
- Voltage rating of mobile transformers (kV)
- Capacity rating of hardened generation (MW) - photovoltaics
- Capacity rating of hardened generation (MW) - wind
- Capacity rating of hardened generation (MW) - diesel
- Capacity rating of hardened generation (MW) - natural gas
- Capacity rating of hardened generation (MW) - coal
- Percent increased energy storage capacity in reserve fuel - diesel
- Percent increased energy storage capacity in reserve fuel - propane
- Percent increased energy storage capacity in reserve fuel - gasoline
- Number of transportation assets purchased to assist with power restoration
- Number of communications assets purchased to assist with power restoration
- Number of other assets purchased to assist with power restoration
- Percentage of system migrated into new software system
- Percentage increase in pole inventory
- Percentage increase in transformer inventory
- Percentage increase in equipment inventory
- Other:

Table 2: Impact Metrics

- Largest outage cause
- Number of outages Hours to repair outages
- System Average Interruption Duration Index (SAIDI) Customer
- Average Interruption Duration Index (CAIDI)
- System Average Interruption Frequency Index (SAIFI)
- Number of individual customers with more than 5 interruptions
- Number of individual customer outages that extend beyond 24 hours
- Number of critical services with outages that extend beyond 24 hours
- Hours of unmet Load
- Outage Recovery Cost (\$)
- Hours line loading exceeded normal rating
- Average hours to restore 50% of customers
- Average hours to restore 90% of customers
- Average hours to restore 100% of customers
- Number of residential customers benefitted by project
- Number of commercial customers benefitted by project
- Number of industrial customers benefitted by project
- Number of customers that provide community services/emergency centers benefitted by project
- Number of customers that provide communication services benefitted by project
- Number of customers that provide energy supply benefitted by project
- Number of customers that provide transportation services benefitted by project
- Number of customers that provide water services benefitted by project
- Number of customers that provide food services benefitted by project
- Other:

Table 3: Outage Type

- Total
- Vegetation
- Animal
- Vehicle
- Tornado
- Thunderstorm
- Hurricane
- Derecho
- Flooding
- Wildfire
- Earthquake
- Ice/Snow Storm
- Operator Error
- Equipment Failure
- Extreme Heat
- Extreme Cold
- Other Storm
- Other: