

Resilience Project Subaward/Subcontract Notification

IIJA Section 40101(d) – ALRD-0002736

Grid Resilience Formula Grants to States and Indian Tribes

DOE Project Officer:

I. Recipient Information

Recipient Name:

Recipient Award Number:

State/Indian Tribe:

Recipient State:

Technical Project Manager Name:

Technical Project Manager Email:

Technical Project Manager Phone:

Business POC Name:

Business POC Email:

Business POC Phone:

II. Resilience Project Subaward/Subcontract Information

Subaward/Subcontract Name:

Subaward/Subcontract Project Manager:

Total Subaward Value:

Total Federal Amount:

Total Subaward Cost Match:

Subaward Cost Match Percentage:

Number of customers (i.e. meters) in the full service territory served by the entity performing the project:

Project County/Counties:

Brief description of the project (i.e. overview of the scope of the project, project timeline, list of primary technologies and/or tools (hardware and software) that will be deployed):

Explanation of how the proposed resilience project addresses the community and grid resilience objectives described in the Program Narrative 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).

Describe the impact that DOE funding of this project has on any plans related to or involving grid resilience (e.g., capital/investment plans, distribution system plans, grid modernization, resource plans, etc.):

III. Resilience Project Subaward/Subcontract Notification Documentation

A. Subaward/Subcontract 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 Subaward/Subcontract recipient an eligible entity type identified in IIJA section 40101(a)(2) (check all that apply):

an electric grid operator

an electricity storage operator

an electricity generator

a transmission owner or operator

a distribution provider

a fuel supplier

Other – Requesting Secretary approval. Explain below:

Yes [] No []

Entity Type:

- iii. Cost Matching: Each State and Indian Tribe is required to match 15 percent of the amount of each grant provided to the State or Indian Tribe under the Program. Further, an eligible entity that receives a subaward under this program is required to match the amount awarded according to the amount of electricity sold in a year. See Section III. B: Cost Matching 40101(d)(8) for a detailed description. Does the eligible entity sell more than 4,000,000 megawatt hours of electricity per year? Add amount below:

(i) Yes – 100% cost match is required:

(ii) No – 1/3 cost match is required:

(iii) Number of megawatt hours of electricity sold by Eligible Entity:

(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 below:

iv. Has the Subaward/Subcontract recipient been debarred or is a suspended

If Yes, please explain below:

v. Confirmation that the Subaward/Subcontract recipient 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).

If No, please explain below:

- vi. Are there any known foreign nationals participating in the proposed project? (Refer to the Foreign National Participation section in the Terms and Conditions of the Assistance Agreement for guidance.)

If Yes, please explain below:

- vii. Has the Buy American (BABA) Requirement been followed as defined in the Terms and Conditions of the Assistance Agreement?

If No, please explain below:

- viii. Are the proposed subrecipient/subcontractor and second-tier subcontractors Domestic Entities as defined in the Terms and Conditions of the Assistance Agreement (The Transparency of Foreign Connections section).

If No, please explain below:

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 IJJA Section 40101(e)(1), also listed below? (Check all that apply) Please see Section I.C of the ALRD.

Weatherization technologies and equipment	Vegetation and fuel-load management
Battery-Storage Components: Use of distributed energy resources for enhancing system adaptive capacity during disruptive events	Battery-Storage Components: Use or construction of distributed energy resources for enhancing system adaptive capacity during disruptive events
Monitoring and control technologies	Adaptive protection technologies
The undergrounding of electrical equipment	Advanced modeling technologies
Utility Pole Management	Hardening of power lines, facilities, substations, of other systems
The Relocation of Power Lines	The Replacement of old Overhead Conductors and Underground Cables
Fire-resistant Technologies and Fire Prevention Systems	Microgrids: Use of existing DERs for Enhancing System Adaptive Capacity During Disruptive Events
Reconductoring of Power Lines with Low-Sag, Advanced Conductors	Other (as approved by DOE)

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 Program Narrative provided to DOE?

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?

- v. 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 subaward/subcontracts a Small Utility as defined by the Small Utilities Set Aside requirement set forth in Section 40101(d)(6) of IIJA?

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 []

C. Please ensure that the following documentation is provided:

- i. A completed Environmental Questionnaire covering the subaward activity;
Yes [] No []
- ii. cost match commitment letter from the eligible entity committing to meet the cost matching as required in IIJA Section 40101(h);
Yes [] No []
- iii. the proposed metrics that will be collected and reported in the Quarterly Progress Report to measure and demonstrate the beneficial impact of the resilience project on the resilience of the grid and to the community served (can use Appendix A of this document to satisfy this requirement);
Yes [] No []
- iv. Performance of Work in the United States waiver (if applicable);
Yes [] No []
- v. Buy America for Infrastructure Projects waiver (if applicable);
Yes [] No []
- vi. Listing of Foreign Nationals for subrecipients/eligible entities and technical assistance contractors in accordance with the Foreign National Participation.
Yes [] No []

Technical Project Manager

Date

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 Quarterly 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. The annual reporting template is available here [Section 40101\(d\) Formula Grants to States & Indian Tribes | netl.doe.gov](#) or is available upon request from the DOE Project Officer. Refer to the Attachment 3- Reporting Requirements of the Terms and Conditions of the Grant Agreement for the Annual Program Metrics and Impact Report.

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