

ATTACHMENT 1-Statement of Project Objectives (SOPO)
PREVENTING OUTAGES AND ENHANCING THE RESILIENCE OF THE
ELECTRIC GRID

A. PROJECT OBJECTIVES

This project is in direct support of Section 40101(d) Infrastructure Investment and Jobs Act (i.e., Bipartisan Infrastructure Law (BIL)). The objective of this project is to improve the resilience of the electric grid against disruptive events. Per BIL Section 40101 (a)(1), a disruptive event is an event 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.

B. SCOPE OF WORK

To achieve the objectives of this project, a Recipient shall implement a wide range of resilience measures intended to mitigate the impact of disruptive events, as described in Appendix A, “Section 40101 Allowances and Requirements”, of the SOPO. The Recipient may issue subawards to eligible entities for projects within the Recipient’s jurisdiction, that in the determination of the Recipient, will generate the greatest community benefit in reducing the likelihood and consequences of disruptive events to the electricity grid. Activities under this project shall comply with resilience measures and requirements that are detailed in Appendix A of the SOPO.

Each year, the Recipient shall provide a Program Narrative that describes the criteria and methods that will be used by the Recipient to make subawards to eligible entities; is adopted after notice and a public hearing; and describes the proposed funding distributions and recipients of the subawards to be provided by the Recipient. The requirements of the Program Narrative are described in the Administrative and Legal Requirements Document (ALRD).

C. TASKS TO BE PERFORMED

Task 1.0: Project Management, Administration and Technical Assistance

The Recipient shall manage and administer activities in order to achieve project objectives. The activities will include tracking and disseminating information regarding the performance of the project, as well as administrative tasks associated with Government reporting.

An initial Project Management Plan (PMP) shall be provided within forty-five (45) days after the initial award. Subsequent PMPs shall be submitted within ninety (90) days prior to the beginning of each budget period. PMPs should be revised when major project changes are proposed, with less significant changes documented in the submitted Quarterly Progress Report (QPR).

The Recipient may provide technical assistance in support of project objectives. The Recipient may not use more than 5 percent of the total Federal grant amount to administer the grant and provide technical assistance in support of grant objectives.

Phase I – Planning

Task 2.0: Program Narrative

The Recipient shall annually develop and submit a Program Narrative in accordance with the minimum requirements described in the ALRD. Further, the Recipient shall conform to all aspects of the Program Narrative in execution of the award.

The Recipient may not progress into Phase II of a given Budget Period without the consent of the DOE Project Officer

Phase II – Project Execution

Task 3: Issue Subawards to Eligible Entities

Upon DOE approval of individual subawards in accordance with the Terms and Conditions of the Grant Agreement, the Recipient shall issue subawards to eligible entities in accordance with the Recipient’s Program Narrative and stated criteria as described in Appendix A “Section 40101 Allowances and Requirements”. For each subaward, the Recipient shall:

- A. monitor the performance of the entity/awardee to assure adherence to the Terms and Conditions of the subaward
- B. collect necessary information from the entity/awardee for the Recipient to provide measurable progress towards completion of the funded activity, and
- C. collect necessary information from the entity/awardee for the Recipient to verify the extent to which its established objectives are being realized.

The Recipient shall provide the status of monitoring activities, progress towards measurable performance targets of subawardees, and verifiable progress towards objectives as part of its QPRs to the Department of Energy.

D. DELIVERABLES

Periodic and final reports will be submitted in accordance with the attached “Federal Assistance Reporting Checklist” and the instructions accompanying the checklist. In addition to the reports specified in the "Federal Assistance Reporting Checklist", the Recipient will provide the following:

Task	Deliverable	Due Date	Instructions/Template	Where to Submit
1.0	Project Management Plan (PMP)	<ul style="list-style-type: none"> • Due 45 days after start of budget period 1. • Submitted 90 days prior to start of the subsequent budget period. 	Award document	https://www.eere-pmc.energy.gov

		<ul style="list-style-type: none"> Revised PMPs within grant years submitted as a result of major project plan changes 		
2.0	Program Narrative	Year one Program Narrative submitted with Application. Program Narrative submitted 90 days prior to start of the subsequent budget periods.	Section 40101(d) Formula Grants to States & Indian Tribes netl.doe.gov	https://www.eere-pmc.energy.gov
3.0	Subaward Monitoring Reports	Due quarterly with QPR	Section 40101(d) Formula Grants to States & Indian Tribes netl.doe.gov	https://www.eere-pmc.energy.gov

All reports noted in the Deliverables section must be high quality, verified for technical accuracy, and suitable for publishing in Federal records. Other Major Products/Materials developed shall be submitted to DOE as they are completed.

E. BRIEFINGS AND TECHNICAL PRESENTATIONS

The Recipient will prepare detailed briefings for presentation to the DOE Briefings will be given by the Recipient to explain the plans, progress, and results of the technical effort. The DOE Federal Project Officer may require that the Recipient provide written summaries of any formal or informal project briefings provided to DOE.

The Recipient must also provide and present project overview(s) and/or technical paper(s) at the Program Peer Review Meetings or other designated program meetings that are held annually, typically at the NETL facility in Morgantown, WV or DOE HQ in Washington, D.C., or may be held virtually.

APPENDIX A - Section 40101 Allowances and Requirements

The Recipient may use Federal funds to make subawards to eligible entities for activities, technologies, equipment, and hardening measures to reduce the likelihood and consequences of disruptive events, including:

- A. weatherization technologies and equipment
- B. fire-resistant technologies and fire prevention systems
- C. monitoring and control technologies
- D. the undergrounding of electrical equipment
- E. utility pole management
- F. the relocation of power lines or the reconductoring of power lines with low-sag, advanced conductors
- G. vegetation and fuel-load management
- H. the use or construction of distributed energy resources for enhancing system adaptive capacity during disruptive events, including:
 - a. microgrids; and
 - b. battery-storage subcomponents
- I. adaptive protection technologies
- J. advanced modeling technologies
- K. hardening of power lines, facilities, substations, of other systems; and
- L. the replacement of old overhead conductors and underground cables, and
- M. other measures as determined or approved by DOE.

Federal funds may not be used for:

- A. construction of a
 - a. new electric generating facility or
 - b. large-scale battery-storage facility that is not used for enhancing system adaptive capacity during disruptive events, or
- B. cybersecurity.

Eligible entities are:

- A. an electric grid operator
- B. an electricity storage operator
- C. an electricity generator
- D. a transmission owner or operator
- E. a distribution provider
- F. a fuel supplier, and
- G. any other relevant entity as determined by the Secretary of Energy.

The Recipient shall ensure that, of the amounts made available to eligible entities from funds made available to the Recipient under the program, the percentage made available to eligible entities that sell not more than 4,000,000 megawatt hours of electricity per year is not less than the percentage of all customers in the State, Territory or Indian Tribe that are served by those eligible entities.

The Recipient may not use more than 5 percent of the Federal funding for:

- A. providing technical assistance and facilitating the distribution and sharing of information to reduce the likelihood and consequences of disruptive events; and
- B. administrative expenses associated with the program.

DRAFT - For Comment Only