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**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION**



RECIPIENT: Arkansas, Kentucky, Mississippi, Rhode Island, West Virginia, Guam, Northern Mariana Islands, and the Virgin Islands **STATE:** Mult

PROJECT TITLE: State Energy Program - Program Year 2019 - Formula Awards - Administrative and Legal Requirements Document (ALRD)

Funding Opportunity Announcement Number SEP-ALRD-2019 **Procurement Instrument Number** **NEPA Control Number** GFO-SEP-ALRD-2019b **CID Number**

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A11 Technical advice and assistance to organizations

Technical advice and planning assistance to international, national, state, and local organizations.

A9 Information gathering, analysis, and dissemination

Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

B5.1 Actions to conserve energy or water

(a) Actions to conserve energy or water, demonstrate potential energy or water conservation, and promote energy efficiency that would not have the potential to cause significant changes in the indoor or outdoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, manufacturers, and designers), organizations (such as utilities), and governments (such as state, local, and tribal). Covered actions include, but are not limited to weatherization (such as insulation and replacing windows and doors); programmed lowering of thermostat settings; placement of timers on hot water heaters; installation or replacement of energy efficient lighting, low-flow plumbing fixtures (such as faucets, toilets, and showerheads), heating, ventilation, and air conditioning systems, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency ratings; efficiency improvements for vehicles and transportation (such as fleet changeout); power storage (such as flywheels and batteries, generally less than 10 megawatt equivalent); transportation management systems (such as traffic signal control systems, car navigation, speed cameras, and automatic plate number recognition); development of energy-efficient manufacturing, industrial, or building practices; and small-scale energy efficiency and conservation research and development and small-scale pilot projects. Covered actions include building renovations or new structures, provided that they occur in a previously disturbed or developed area. Covered actions could involve commercial, residential, agricultural, academic, institutional, or industrial sectors. Covered actions do not include rulemakings, standard-settings, or proposed DOE legislation, except for those actions listed in B5.1(b) of this appendix. (b) Covered actions include rulemakings that establish energy conservation standards for consumer products and industrial equipment, provided that the actions would not: (1) have the potential to cause a significant change in manufacturing infrastructure (such as construction of new manufacturing plants with considerable associated ground disturbance); (2) involve significant unresolved conflicts concerning alternative uses of available resources (such as rare or limited raw materials); (3) have the potential to result in a significant increase in the disposal of materials posing significant risks to human health and the environment (such as RCRA hazardous wastes); or (4) have the potential to cause a significant increase in energy consumption in a state or region.

B5.14 Combined heat and power or cogeneration

Conversion to, replacement of, or modification of combined heat and power or cogeneration systems (the sequential or simultaneous production of multiple forms of energy, such as thermal and electrical energy, in a single integrated system) at existing facilities, provided that the conversion, replacement, or modification would not have the potential to cause a significant increase in the quantity or rate of air emissions and would

systems	not have the potential to cause significant impacts to water resources.
B5.16 Solar photovoltaic systems	The installation, modification, operation, and removal of commercially available solar photovoltaic systems located on a building or other structure (such as rooftop, parking lot or facility, and mounted to signage, lighting, gates, or fences), or if located on land, generally comprising less than 10 acres within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.
B5.17 Solar thermal systems	The installation, modification, operation, and removal of commercially available smallscale solar thermal systems (including, but not limited to, solar hot water systems) located on or contiguous to a building, and if located on land, generally comprising less than 10 acres within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.
B5.18 Wind turbines	The installation, modification, operation, and removal of a small number (generally not more than 2) of commercially available wind turbines, with a total height generally less than 200 feet (measured from the ground to the maximum height of blade rotation) that (1) are located within a previously disturbed or developed area; (2) are located more than 10 nautical miles (about 11.5 miles) from an airport or aviation navigation aid; (3) are located more than 1.5 nautical miles (about 1.7 miles) from National Weather Service or Federal Aviation Administration Doppler weather radar; (4) would not have the potential to cause significant impacts on bird or bat populations; and (5) are sited or designed such that the project would not have the potential to cause significant impacts to persons (such as from shadow flicker and other visual effects, and noise). Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices. Covered actions include only those related to wind turbines to be installed on land.
B5.19 Ground source heat pumps	The installation, modification, operation, and removal of commercially available smallscale ground source heat pumps to support operations in single facilities (such as a school or community center) or contiguous facilities (such as an office complex) (1) only where (a) major associated activities (such as drilling and discharge) are regulated, and (b) appropriate leakage and contaminant control measures would be in place (including for cross-contamination between aquifers); (2) that would not have the potential to cause significant changes in subsurface temperature; and (3) would be located within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.
B5.20 Biomass power plants	The installation, modification, operation, and removal of small-scale biomass power plants (generally less than 10 megawatts), using commercially available technology (1) intended primarily to support operations in single facilities (such as a school and community center) or contiguous facilities (such as an office complex); (2) that would not affect the air quality attainment status of the area and would not have the potential to cause a significant increase in the quantity or rate of air emissions and would not have the potential to cause significant impacts to water resources; and (3) would be located within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.
B5.22 Alternative fuel vehicle fueling stations	The installation, modification, operation, and removal of alternative fuel vehicle fueling stations (such as for compressed natural gas, hydrogen, ethanol and other commercially available biofuels) on the site of a current or former fueling station, or within a previously disturbed or developed area within the boundaries of a facility managed by the owners of a vehicle fleet. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.
B5.23 Electric vehicle charging stations	The installation, modification, operation, and removal of electric vehicle charging stations, using commercially available technology, within a previously disturbed or developed area. Covered actions are limited to areas where access and parking are in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.
B2.2 Building and equipment instrumentation	Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, water consumption monitors and flow control systems, announcement and emergency warning systems, criticality and radiation monitors and

alarms, and safeguards and security equipment).

Rationale for determination:

The U.S. Department of Energy (DOE) administers the annually appropriated State Energy Program (SEP) as authorized by Title III, Energy Policy and Conservation Act, as amended. All grant awards made under this program shall comply with applicable laws and procedures including regulations contained in 10 CFR Part 420 and other procedures applicable to this regulation as DOE may prescribe for the administration of financial assistance. The goal of the State Energy Program is to provide leadership to maximize the benefits of energy efficiency and renewable energy through communications and outreach activities, technology deployment, and accessing new partnerships and resources.

Under the SEP Formula Awards as outlined in the Administrative Legal Requirements Document, Program Year 2019, (SEP-ALRD-2019), DOE would provide approximately \$55M in formula-based awards to all 50 States, Territories, and the District of Columbia (hereinafter "States"), but only eight awards are addressed in this NEPA Determination. Estimated individual State allocations are included in the administrative legal requirements document. As matching funds to each award, States must contribute an amount no less than 20% of their total federal allocation; for the Territories the cost match requirement is waived.

DOE has determined the following Bounded Categories of activities that are funded by SEP-ALRD-2019 are categorically excluded from further NEPA review, absent extraordinary circumstances, cumulative impacts, or connected actions that may lead to significant impacts on the environment, or any inconsistency with "integral elements" (as contained in 10 C.F.R. Part 1021, Appendix B) as they relate to a particular project:

The Bounded Categories below only apply to projects funded under SEP-ALRD-2019.

Bounded Categories:

1. Administrative activities associated with management of the designated State Energy Office and management of programs and strategies to encourage energy efficiency and renewable energy, including energy audits.
2. Development and implementation of programs and strategies to encourage energy efficiency and renewable energy such as policy development and stakeholder engagement.
3. Development and implementation of training programs.
4. Development and implementation of building codes including inspection services, and associated activities to support code compliance and promote building energy efficiency.
5. Implementation of financial incentive programs including rebates and energy savings performance contracts for existing facilities; grants and loans to support energy efficiency, renewable energy and energy/water saving projects. All project activities funded under a financial incentive program must be listed within the Bounded Categories, including restrictions.
6. Funding commercially available energy or energy/water efficiency or renewable energy upgrades, provided that projects , and are installed in or on existing buildings less than forty-five (45) years old, and are limited to:
 - a. Installation of insulation;
 - b. Installation of energy efficient lighting;
 - c. HVAC upgrades (to existing systems);
 - d. Weather sealing;
 - e. Purchase and installation of energy efficient or energy/water efficient home appliances and equipment (including, but not limited to, energy or water monitoring and control systems, thermostats, furnaces and air conditioners);
 - f. Retrofit of energy efficient pumps and motors, for such uses as (but not limited to) waste water treatment plants, where it would not alter the capacity, use, mission or operation of an existing facility.
 - g. Retrofit and replacement of windows and doors; and
 - h. Installation of Combined Heat and Power System - systems sized appropriately for the buildings in which they are located, not to exceed peak electrical production at 300kW.
7. Development, implementation, and installation of onsite renewable energy technology from renewable resources, provided that projects are installed in or on an existing structure or within the boundaries of a facility less than forty-five (45) years old , and structures are less than forty-five (45) years old and limited to:
 - a. Solar Electricity/Photovoltaic - appropriately sized system or unit not to exceed 60 kW.

- b. Wind Turbine - 20 kW or smaller.
- c. Solar Thermal (including solar thermal hot water) - system must be 200,000 BTU per hour or smaller.
- d. Ground Source Heat Pump - 5.5 tons of capacity or smaller, horizontal/vertical, ground, closed-loop system.
- e. Biomass Thermal - 3 MMBTUs per hour or smaller system with appropriate Best Available Control Technologies (BACT) installed and operated.

8. Installation of fueling pumps and systems for fuels such as compressed natural gas, hydrogen, ethanol and other commercially available biofuels, (but not storage tanks) installed on the site of a current fueling station that is less than forty-five (45) years old.

9. Purchase of alternative fuel vehicles.

10. Installation of electric vehicle charging stations installed on existing facilities less than forty-five (45) years old.

The state is responsible for identifying and promptly notifying DOE of extraordinary circumstances, cumulative impacts, or connected actions that may lead to significant impacts on the environment, or any inconsistency with the "integral elements" (as contained in 10 C.F.R. Part 1021, Appendix B) as they relate to a particular Project; and 10 CFR Part 1022.4 –Compliance with Floodplain and Wetland Environmental Review Requirements, as applicable. Additionally, the documentation of the above reviews for must be available for DOE review at all times.

DOE is required to consider floodplain management and wetland protection as part of its environmental review process (Subpart B of 10 CFR 1022). As part of this required review, DOE determined requirements set forth in Subpart B of 10 CFR 1022 are not applicable to the activities described in Bounded Categories 1-6g above that would occur in a floodplain or wetland because the activities would not have short-term or long-term adverse impacts to the floodplain or wetland. These activities are administrative or minor modifications of existing facilities to improve environmental conditions. All other integral elements and environmental review requirements are still applicable. All projects (except those under Modified Bounded Categories 1-6g) must document that project activities do not occur in a floodplain or wetland. If the project activities do occur in a floodplain or wetland (except those under Bounded Categories 1-6g), those project activities are subject to additional NEPA review and approval by DOE.

For activities/projects requiring additional NEPA review, Recipients must complete the environmental questionnaire (<https://www.eere-pmc.energy.gov/NEPA.aspx>) for review by DOE.

Some Bounded Categories are more restrictive than the Categorical Exclusion. The restrictions must be followed for the Bounded Category to be applicable.

Recipients must adhere to the requirements included in "Term 8. Historic Preservation" included in the Special Terms and Conditions of the financial assistance agreement.

This NEPA determination applies only to projects funded by SEP-ALRD-2019 that fit within the Bounded Categories identified in this determination. Contact your Project Officer for the NEPA determination on projects funded under previous ALRD's.

NEPA PROVISION

DOE has made a conditional NEPA determination.

The NEPA Determination applies to the following Topic Areas, Budget Periods, and/or tasks:

This NEPA determination only applies to projects that fit within the Bounded Categories listed in the rationale section above.

The NEPA Determination does not apply to the following Topic Area, Budget Periods, and/or tasks:

This NEPA determination does not apply to projects that do not fit within the Bounded Categories listed in the rationale section above.

Include the following condition in the financial assistance agreement:

Activities/projects not listed under Bounded Categories are subject to additional NEPA review and approval by DOE, whether the intention is to use SEP formula or Petroleum Violation Escrow (PVE) funds to fund the project. For activities/projects, requiring additional NEPA review, states must complete the environmental questionnaire: <https://www.eere-pmc.energy.gov/NEPA.aspx> and receive notification from DOE that the NEPA review has been completed and approved by the Contracting Officer prior to initiating the project or activities.

Some activities listed under Bounded Categories are more restrictive than the Categorical Exclusion. The restrictions listed in the Bounded Categories must be followed.

Recipients must adhere to the requirements included in "Term 8. Historic Preservation" included in the Special Terms and Conditions of the financial assistance agreement.

Notes:

Weatherization & Intergovernmental Programs Office - SEP
This NEPA Determination requires a tailored NEPA provision.
NEPA review completed by Diana Heyder, 03/16/19

FOR CATEGORICAL EXCLUSION DETERMINATIONS

The proposed action (or the part of the proposal defined in the Rationale above) fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.

There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal.

The proposed action has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

A portion of the proposed action is categorically excluded from further NEPA review. The NEPA Provision identifies Topic Areas, Budget Periods, tasks, and/or subtasks that are subject to additional NEPA review.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:  Kristin Kerwin Date: 3/20/2019
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

- Field Office Manager review not required
- Field Office Manager review required

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____

Field Office Manager