



U.S. Department of Energy Categorical Exclusion Determination Form



Program or Field Office: Energy Efficiency and Conservation Block Grant Program

Project Title AZ/NM/UT-TRIBE-NAVAJO NATION, ARIZONA, NEW MEXICO & UTAH

Location:

Tribe	AZ/NM/UT-TRIBE-NAVAJO NATION, ARIZONA, NEW MEXICO & UTAH	AZ/ NM/ UT
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Proposed Action or Project Description:

American Recovery and Reinvestment Act:

The Navajo Nation proposes to perform the following actions: 1) design and install two 34.5 photovoltaic solar systems at Navajo Tribal Utility Authority's (NTUA) District Office on the ground adjacent to the building;

2) develop the A&E design elements for the NTUA's District Office in Chinle, AZ, and install energy efficient (EE) components including—HVAC, lighting, exterior finish and insulation system, insulation, windows, window shade systems, daylight/views-daylights, skylights, low-flow toilets and fixtures, building automation direct digital controls (DDC), solar hot water systems, and lighting and temperature DDC systems;

3) develop the A&E design elements for the Crownpoint SubOffice Building in Crownpoint, NM, and install EE components including—HVAC, lighting, exterior finish and insulation system, insulation, windows, window shade systems, daylight/views-daylights, skylights, low flow toilets and fixtures, building automation, DDC, solar hot water systems, and lighting and temperature DDC systems;

4) enhance approximately 240 homes presently fitted with photovoltaic (PV) systems with supplemental power, install skid-mounted PV-wind systems in approximately 65 homes, and procure Energy Star, solar-powered refrigerators in these homes;

5) provide an energy efficiency improvement initiative through Energy Star rebates of appliances and office equipment;

6) install two, approximately 35 kW, PV solar systems at the NTUA's new Chinle District Office in Chinle, AZ;

7) install two, approximately 35 kW, PV solar systems at the NTUA Crownpoint SubOffice Building in Crownpoint, NM;

8) install three, approximately 35 kW, PV solar systems at the Navajo Nation Complex in Window Rock, AZ;

9) install one, approximately 35 kW, PV solar system at the Navajo Nation's Shonto Chapter in Shonto, AZ;

10) conduct residential and commercial buildings energy audits;

11) conduct retrofits to Navajo Nation governmental and enterprise buildings (excludes buildings >50 years of age) which includes replacement/upgrade of control valves, facility air filtration systems, programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, lighting retrofits, insulation, replacement of doors and windows, HVAC replacements with similar equipment, weatherstripping/caulking/repairing holes/adding door sweeps, replacement of appliances, lighting occupancy sensors, installation of programmable thermostats, adding vending machine energy efficiency conservation controls (vending miser), installation of low-flow aerators to reduce water flow, domestic hot water pipe and jacket insulation, replace window A/C w/ mini split ductless A/C, replace hot water heaters w/ high-efficiency water heaters, retrocommissioning, applying variable refrigerant flow zoning as an EE measures for indoor temperature control, add air economizers to HVAC systems, replace boilers and chillers identified for EE improvement, installation of low-flow toilets, shower heads, and faucet aerators for water conservation;

12) conduct an outreach and education campaign for energy efficiency and conservation measures;

13) develop an EE, conservation, and renewable energy policy;

14) conduct training/procure equipment to support development of an NTUA in-house energy audit and weatherization program; and

15) install two, approximately 37 kW, PV solar systems at the NTUA's Dilkon District Office in Dilkon, AZ.

Conditions: None



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Categorical Exclusion(s) Applied: A1, A9, A11, B2.5,
B5.1, B5.16

*-For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, see Subpart D of 10 CFR 10 21

This action would not: threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive Orders; require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities; disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; or adversely affect environmentally sensitive resources (including but not limited to those listed in paragraph B.(4)) of Appendix B to Subpart D of 10 CFR 1021). Furthermore, there are no extraordinary circumstances related to this action that may affect the significance of the environmental effects of the action; this action is not "connected" to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1B), I have determined that the proposed action fits within the specified class(es) of action, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

ORO NEPA Compliance Officer

Gary S. Hartman

Date Determined:

8/22/2012

Comments:

Webmaster: