



U.S. Department of Energy Categorical Exclusion Determination Form



Program or Field Office: TRIBAL ENERGY PROGRAM AK
Project Title AK-TEP-ALASKA NATIVE TRIBAL HEALTH CONSORTIUM (SELAWIK)
Location: Tribal ALASKA NATIVE TRIBAL HEALTH CONSORTIUM
 (SELAWIK)

Proposed Action or Project Descriptio FOA Number: DE-FOA-0000423

The Native Village of Selawik, Alaska, proposes to improve the overall energy efficiency of the water treatment/distribution and sewer collection systems in Selawik by implementing retrofit measures identified in a previously conducted utility energy audit. Three tasks would be conducted. The first task would be to provide an engineering design for the proposed energy efficiency retrofits including design of mechanical, electrical, and civil engineering drawings and details to implement upgrades at the water treatment/vacuum sewer plant. Task two would include execution of the upgrades to the interior of the water treatment/vacuum sewer plant. The upgrades proposed to the interior of the plant would include: modifying the piping, storage, and controls on the existing glycol heat trace system within the plant for three vacuum sewer lines; maximizing recovered heat that would be utilized within the plant by installing temperature sensors and boiler controllers; installing new controllers that add hydronic heat to the water storage tank, raw water line, and the vacuum glycol lines that are compatible with the existing sensor wells on each of these components; retrofitting interior lighting which consists of replacing florescent fixtures and with light-emitting diode lamps; recommissioning the vacuum pumps which would include adjusting settings between pumps in order to reduce pump run times and installing an alarm on the pumps that alerts the operator of excessive run times; and eliminating heat tape on circulating water distribution loops by determining which breaker feeds the water loop and shutting it off. The third task would involve developing a leak detection testing and repair program and inspecting the glycol heat trace and the vacuum sewer collection lines for areas of air infiltration and performing the necessary repairs to restore the integrity of both systems.

Conditions: None

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

*-For the complete DOE National Environmental Policy Act regulations regarding categorical exclusions, see Subpart D of 10 CFR 1021

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: 9/15/2011

Comments:

Webmaster: