PMC-EF2a

(2.04.02)

U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION

RECIPIENT: Atargis Energy Inc. **STATE:** CO

PROJECT TITLE : Cycloidal Wave Energy Converter

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000293	DE-EE0003635	GFO-0003635-001	0

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

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

B3.6 Siting, construction (or modification), operation, and decommissioning of facilities for indoor bench-scale research projects and conventional laboratory operations (for example, preparation of chemical standards and sample analysis); small-scale research and development projects; and small-scale pilot projects (generally less than two years) conducted to verify a concept before demonstration actions. Construction (or modification) will be within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible).

Rational for determination:

Artargis Energy Inc proposes to use federal funds to design, construct, and test a 1:10 scale model Cycloidal Wave Energy Converter at the Texas A&M Offshore Technology Research Center wave tank. The results of this research and development project are aimed at creating the worlds first free floating wave energy converter system.

This project will include wave energy converter design, construction and testing; cluster design, construction, and testing; data analysis to include prototype design; and project management and reporting.

This project will take place within the confines of a research laboratory and include the use of a wave tank. No work within the scope of this project is anticipated to leave the laboratory and will not include deployment into the natural environment. The applicant has submitted an R & D Questionnaire which thoroughly addresses the chemical and safety handling protocols associated with this project.

This project is comprised of conventional research and development to include testing in a wave tank laboratory; therefore a CX A9 & B3.6 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 12-10-2010

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 12/20/10

NEPA Compliance Officer