

FMC-EF2a

(20102)

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



RECIPIENT: Nevada Institute for Renewable Energy Commercialization

STATE: NV

PROJECT TITLE : Subaward Title: Residential and Commercial Energy Storage for Peak Electricity Demand Management

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-FG36-08GO88161	GFO-GO88161-012	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:

This NEPA determination applies to a subaward selected by NIREC to receive federal funds. NIREC is proposing to provide federal funds to K2 Energy Solutions to develop a prototype for a stationary energy storage system for use with residential, commercial, and light industrial applications.

This project will involve two phases. Phase 1 will focus on the design and testing of the systems components. Phase 2 will focus the prototype manufacturing. The new storage system will be designed and manufactured at the K2 Energy Solutions facility. K2 Energy Solutions is currently in the battery/energy storage business and develops and manufactures rechargeable lithium-ion batteries for electric drive vehicles.

The applicant has submitted an R & D questionnaire which thoroughly addresses the chemical and safety handling protocols associated with this project. K2 Energy also has a safety plan which conforms to Nevada OSHA requirements.

This project entails information gathering and indoor bench-scale research projects in conjunction with the manufacturing of a battery prototype; therefore a CX A9 & B3.6 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 2/10/2011

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

Kristin Kerwin
NEPA Compliance Officer

Date: 2/16/2011