

PMC-ef2a

2010

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



RECIPIENT: Vermont Sustainable Jobs Fund

STATE: VT

PROJECT TITLE : Vermont Biofuels Initiative: Carbon Harvest 2

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
	DE-FG36-08GO88182	GFO-GO88182-024	GO88182

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:

**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 review is a continuation of NEPA review GFO-09-057n. In this project the Vermont Sustainable Jobs Fund will further their research initiatives in Carbon Harvest Energy to research the suitability of landfill gas combustion products for commercial algae cultivation. This project is focused on the development of algae that are receptive to the landfill gas carbon dioxide.

This project will include the development and fabrication of a photobioreactor (lab scale), lab support and condensate collection systems development, testing and analysis of gas samples with algae, and project management and reporting.

The applicant has submitted an R & D Questionnaire which thoroughly addresses the chemical and safety handling protocols associated with this project. All work will be performed at the University of Vermont in the Rubenstein Ecosystem Science Laboratory.

This project is comprised of research and development activities within a laboratory; therefore this project qualifies as CX B3.6 under DOE NEPA review.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

Eugene Brown 4/13/2011

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature:

Date:

4/14/2011