

PMC-EF2a

(20402)

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



RECIPIENT: University of Rochester

STATE: NY

PROJECT TITLE : Rochester Regional, Optics, Photonics & Imaging Accelerator

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
JAC2102AM	DE-EE0006033	GFO-0006033-001	GO6033

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, analysis, and dissemination	Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)
B3.6 Small-scale research and development, laboratory operations, and pilot projects	Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

Rational for determination:

The U.S. Department of Energy (DOE) is proposing to provide federal funding to the University of Rochester (UR) to develop and implement advanced manufacturing and innovation at the regions Optics, Photonics and Imaging (OPI) companies. DOE funding would be used to support two research efforts.

During Project one (P1), UR would work with leading optical surface fabricators to create a new optics design, simulation and optimization computer simulation tool that incorporates the mathematics of freeform surfaces. During Project two (P2), UR would work with Flint Creek Resources, Inc. (FCR), a local recycling company, to recover cerium oxide abrasive from slurry waste. UR would work with local optics industries to determine which slurries could be reclaimed with the existing process.

Computer based work would be completed at UR, located at 252 Elmwood Avenue, Rochester, New York 14611 and research and development work would be completed FCR located at 4682 St. Rt. 245, Gorham, New York 14461.

FCR has completed an R&D questionnaire addressing the protocols in place for laboratory safety, risk management, chemical handling and waste disposal. FCR complies with standard laboratory safety procedures and labs are inspected by staff and safety personnel. All handling and disposal of gases, chemicals and hazardous waste are executed by FCR personnel who comply with appropriate regulations of OSHA. It is anticipated that at least one of the target costumers working with FCR would have lead in their process residue. Prior to project commencement, FCR would obtain all necessary permits from the NYS Department of Environmental Conservation to process and dispose of hazardous materials.

Based on review of the project information and the above analysis, DOE has determined the research and development would not have a significant individual or cumulative impact to human health and/or environment. DOE has determined the proposed project is consistent with actions contained in DOE categorical exclusion A9 "information gathering, analysis and dissemination" and B3.6 "small-scale research and development, laboratory operations and pilot projects," and is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

Kelly Daigle 12/10/2012

DOE share \$447,936
Cost Share \$113,000
Total: \$560,936

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____

Electronically Signed By: Kristin Kerwin
NEPA Compliance Officer

Date: 12/12/2012

FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____

Field Office Manager

Date: _____