

PMC-EF2a

(20102)

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



RECIPIENT: State of Washington DE-EE0000139

STATE: WA

**PROJECT TITLE :** Clark Public Utilities

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000052	EE0000139		EE139

**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:

**B5.1** Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Washington Department of Commerce will provide \$402,000 in Recovery Act funds to Clark Public Utility District and WaferTech to purchase and install a new process water cooling system at WaferTech's facility located at 5509 N.W. Parker St, Camas, WA.

The WaferTech facility is a 1,000,000sf semiconductor fabrication plant that produces integrated circuits on 8-inch diameter wafers. The process for cooling machine tools used in manufacturing the wafers is energy intensive. This project involves the installation of an innovative "Free Cooling" system based on evaporative cooling to remove heat from the current closed loop circulating system. The system will reduce electrical energy usage for heat removal at the facility and conserve an estimated 5,100,000 kWh per year.

WaferTech will need to install a new cooling tower based on the "Free Cooling" technology. The cooling tower will be placed adjacent to the existing cooling tower and building that is serviced.

Based on information provided by the State and recipient, the work outlined comprises actions to improve energy efficiency and is consistent with activities identified in Categorical Exclusion B5.1.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is \$402,000. Unless the scope of this effort changes significantly, a change in funding will not affect my determination.

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

NEPA Compliance Officer Signature: \_\_\_\_\_

NEPA Compliance Officer

Date: \_\_\_\_\_

5/21/10