



ELECTROCHROMATIC WINDOW DEMONSTRATION PROJECT
DEPARTMENT OF ENERGY FORRESTAL BUILDING
1000 Independence Avenue, SW

Washington, D.C.

Delegated Action of the Executive Director

Pursuant to delegations of authority adopted by the Commission on October 3, 1996 and 40 U.S.C §8722 (b) (1), I approve the preliminary and final design for the Forrestal Building electrochromatic window demonstration project located at 1000 Independence Avenue, SW, in Southwest Washington, DC, as shown on NCPC Map File No. 81.00(38.00)41522.

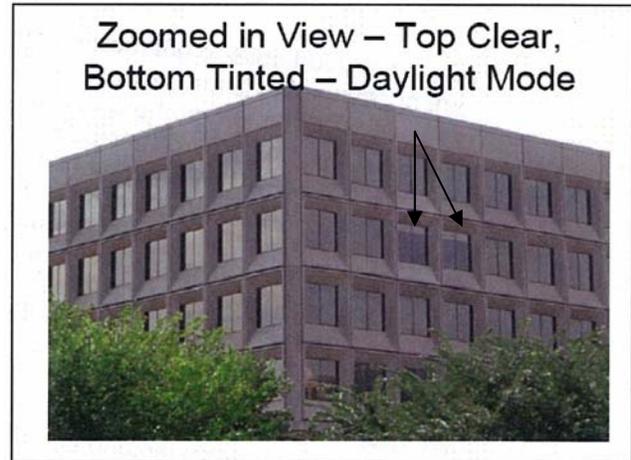
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The General Services Administration (GSA) in cooperation with the Department of Energy (DOE) has submitted a short-term demonstration project for the installation of electrochromatic windows at the Forrestal Building located at 1000 Independence Avenue, SW. The proposal is in response to the Energy Policy Act of 2005, the Energy Independence and Security Act of 2007, and Presidential Executive Order 13423 which require federal facilities to decrease energy consumption over the coming years.

Under this temporary (two-year) demonstration project, DOE will replace two Forrestal Building windows with electrochromatic windows to evaluate their functionality and acceptance by occupants. The windows will be located on the 6th floor of the west side of the building on 12th street facing the Agriculture Building.

This particular location has been selected because it houses the conference room for the Department of Energy Assistant Secretary. As a result, many high level officials from both government and industry visit this area. One of the main purposes of this demonstration is to increase awareness of this new technology. This side of the building also bears the largest solar gain compared to other areas throughout the day.

The new window frame will look almost identical to the existing frame from the outside but will have far superior energy performance. The color will be exactly the same and the framing will vary in size by only a half of an inch. When the windows are in daylight mode, the top portion of the window will look clear and the bottom portion of the window will appear slightly tinted. This will allow the bottom portion to reflect the heat while the upper portion will allow natural light to enter the room, reducing the need for electric lighting.



As a Federal Project, NCPC has approval authority and independent responsibility under the National Environmental Policy Act and the National Historic Preservation Act. NCPC has determined that this project qualifies as a categorical exclusion under its environmental and historic preservation policies and procedures. The building is not a historic resource and GSA has determined that the project is not subject to further review under Section 106 of the National Historic Preservation Act. No surrounding historic properties will be affected. Staff concurs.

The Coordinating Committee coordinated the proposal among participating agencies at its meeting on May 14, 2008.

Marcel C. Acosta
Executive Director