ENERGY MANAGEMENT IMPLEMENTATION PLAN FOR FY 2006

ENERGY MANAGEMENT INFRASTRUCTURE

I. MANAGEMENT AND ADMINISTRATION

A. Energy Management Infrastructure

1. Senior Agency Official

Timothy F. Hagan, Director, Office of Administration, serves as the Senior Energy Official. Mr. Hagan's responsibilities consist of developing policies and procedures for the implementation of Executive Order (E.O.) 13123.

2. Agency Energy Team

An agency energy team was established in FY 2000 consisting of procurement, legal, budget, management, and technical representatives. The team is responsible for expediting and encouraging the Nuclear Regulatory Commission's use of appropriations, Energy-Savings Performance Contracts, and other alternative financing mechanisms necessary to meet the goals and requirements of the E.O. Members of the energy team are as follows:

NAME	OFFICE	RESPONSIBILITY
Sharon Stewart	Office of Administration	Management/Technical
James Heck	Office of Administration	Facilities/Energy Manager
Kenneth McDow	Office of Administration	Facilities/Energy Manager
Jan Dambly	Office of Administration	Budget
Stephen Pool	Office of Administration	Procurement
James Leuhman	Office of Enforcement	Technical
Ed Williamson	Office of General Counsel	Legal
Larry Pittiglio	Office of Nuclear Material Safety and Safeguards	Technical/Union Representative

B. Management Tools

1. Awards (Employee Incentive Program)

Performance awards will be used to reward exceptional performance in implementing the E.O.

2. Performance Evaluation

Performance evaluation plans for facility managers include a performance element for the successful implementation of provisions of the Executive Order.

3. Training and Education

Facility managers responsible for the implementation of the Executive Order will participate in training conducted and sponsored by the Department of Energy's Federal Energy Management Program (FEMP) and the Interagency Energy Management Task Force. The NRC will continue to implement its Affirmative Procurement Program for Recovered Materials. The program, sponsored by the Federal Acquisition Institute, provides Internet links to on-line training for Federal purchase card users on "ENERGY STAR" acquisitions and other energy efficient products.

4. Showcase Facilities

NRC will request DOE to review the OWFN chiller and cooling tower installation project to determine if OWFN meets the criteria as a Showcase Facility.

II. IMPLEMENTATION STRATEGIES

A. Life-Cycle Cost Analysis

NRC conducted a life-cycle cost analysis and concluded that the replacement of T-12 bulbs with T-8 bulbs and electronic ballasts in OWFN represents a viable project. This project is tentatively planned for FY 2006, contingent upon the availability of funds.

B. Facility Energy Audits

No audits are scheduled for FY 2006.

C. Financing Mechanisms

There are no plans to use a financing mechanism such as the DOE Energy Savings Performance Contract. NRC or GSA will use direct funds to implement FY 2006 energy conservation projects.

D. ENERGY STAR and Other Energy-Efficient Products

NRC will continue to implement its Affirmative Procurement Program for Recovered Materials, which promotes the acquisition of ENERGY STAR and other energy-efficient products. Specifications for renovation projects will include requirements, when applicable, to ensure the installation of energy-efficient equipment, systems, and products.

E. ENERGY STAR Buildings

NRC will measure the energy consumption performance of OWFN to determine if the newly installed chillers and the lighting project results in significant energy reduction for OWFN to meet the ENERGY STAR criteria.

F. Sustainable Building Design

NRC is not responsible for the design and construction of facilities.

G. Energy Efficiency in Lease Provisions

NRC is not responsible for the formulation or negotiation of leases. GSA serves as the leasing agent for all NRC facilities. However, prior to the execution of new leases, renegotiations, or extension of existing leases, NRC will request the opportunity to review all proposed lease documents to ensure that they are in compliance with the Model Lease Provision of the E.O.

H. Industrial Facility Efficiency Improvements

NRC does not occupy any industrial facilities.

I. Highly Efficient Systems

No combined cooling, heating, and power systems will be installed. The unavailability of cost effective technology precludes NRC from implementing this energy conservation strategy. Biomass, geothermal, and other natural energy sources are not commercially available.

J. Distribution Generation

No distribution generation systems will be installed. Distribution generation systems such as solar hot water, solar electric, small wind turbines, and fuel cells were evaluated during a preliminary energy audit in FY 2003 by PEPCO Energy Services and an independent contractor and considered economically unfeasible.

K. Electrical Load Reduction Measures

NRC will participate in the PEPCO Load Curtailment Program. During high demand periods, NRC, at the request of PEPCO, reduces its energy load by securing non-critical building support equipment. Additionally, an employee awareness program is in place which encourages employees to secure extraneous appliances at work stations during high demand periods.

* Renewable energy is not commercially available and there is no Federal land available where NRC could facilitate the siting of renewable generation to serve the NRC's White Flint North Complex.

** There are no commercial renewable energy sources available.

*** The OWFN chiller, cooling tower and heat exchanger replacement project was accomplished in FY 2004, which contributed to the goals of the Section 204 of the E.O. However, the project was funded by the General Services Administration.

**** NRC is not responsible for the design or construction of new facilities. No major renovations at NRC's White Flint North Complex were performed in FY 2005.