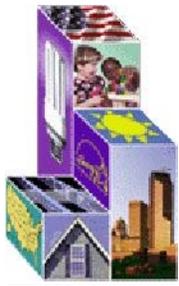




Energy Conservation Program

U.S. DOE Public Meeting on Consumer Products and Commercial and Industrial Equipment

September 11, 2001



Energy Conservation Program

Purpose of Meeting

PURPOSE OF MEETING

- Update the status of priority rulemakings and to discuss the factors used in reaching these priorities
- Discuss the criteria and process for expanding the scope of the program



Energy Conservation Program Introduction

National Energy Policy (NEP) Action Items

“The NEPD Group recommends that the President direct the Secretary of Energy to improve the energy efficiency of appliances.”

- *Support the appliance standards program for covered products, setting higher standards where technologically feasible and economically justified.*
- *Expand the scope of the appliance standards program, setting standards for additional appliances where technologically feasible and economically justified.”*

- Scoping Study
 - Review potential products
 - Determine potential saving/energy usage/availability of test procedures
 - Analyze information
- Develop Recommendation to Secretary for Implementation



Energy Conservation Program

Introduction

Introduction

- Long Standing Program
 - EPCA, Established the appliance standards program in 1972
 - NAECA, Amended EPCA in 1987 to include covered products
 - NAECA, Amended in 1988 to add ballasts
 - EPACT, Amended EPCA in 1992 to include commercial equipment
- Process Improvement
 - July 15, 1996, Established a open process with stakeholders
 - Priority setting process established



Energy Conservation Program

Priorities for Existing Program

PRIORITIES FOR EXISTING PROGRAM

| High Priority Products | | Low Priority Products |
|---|--|------------------------------------|
| Residential Central AC/HP ¹ | | Clothes Dryers |
| Distribution Transformers | | Clothes Washers* |
| Residential Furnaces and Boilers | | Commercial A/C and Heat Pumps* |
| Central Air Conditioners and Heat Pumps, 65-240 kBtu | | Commercial Furnaces & Boilers* |
| Small Electric Motors (D) | | Commercial Water Heaters* |
| Packaged Terminal Air Conditioners and Heat Pumps | | Cooking Products |
| | | Direct Heating Equipment, Gas |
| | | Dishwashers |
| | | Electric Motors, 1-200 HP |
| | | Fluorescent Lamp Ballasts* |
| Medium Priority Products | | High Intensity Discharge Lamps (D) |
| Central Air Conditioners and Heat Pumps, 3 Phase, <65 kBtu | | Lamps |
| Oil- and Gas-Fired Commercial Packaged Boilers | | Mobile Home Furnaces |
| Tankless Gas-Fired Instantaneous Water Heaters | | Plumbing Fixtures/Fittings |
| | | Pool Heaters, Gas |
| | | Refrigerators* |
| | | Residential Water Heaters* |
| | | Room Air Conditioners* |

¹ Drops to Low Priority upon Completion

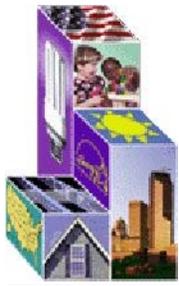
* Final Rules for these products have been recently published



Energy Conservation Program Priorities for Existing Program

PRIORITIES FOR EXISTING PROGRAM

- Criteria for Selection
 - Potential energy savings
 - Potential economic benefits
 - Potential environmental or energy security benefits
 - Applicable deadlines for rulemakings
 - Incremental DOE resources required to complete rulemaking process
 - Other relevant regulatory actions affecting products
 - Stakeholder recommendations
 - Evidence of energy efficiency gains in the market absent new or revised standards
 - Status of required changes to test procedures
 - Other relevant factors



Energy Conservation Program Potential New Products

POTENTIAL NEW PRODUCTS

The following tables are a list of possible new commercial and residential products derived from various independent sources.

- **New Products – Commercial**

- Commercial Clothes Washers
- Commercial Clothes Dryers
- Commercial Electric Cooking
- Commercial Gas Cooking
- Supermarket Refrigeration
- Walk-in Refrigerators
- Vending Machines
- Beverage Merchandisers
- Reach-in Refrigerators
- Ice Machines
- Traffic Signals
- Pedestrian Crossing Signs
- Exit Signs
- General Service Incandescent lamps (Commercial)
- Gas Unit Heater
- Oil Unit Heater
- Gas Duct Furnace
- Ground-Coupled HP
- Desktop PC - Commercial
- Monitors - Commercial
- Server Computers - Commercial
- Copy Machines - Commercial
- Laser Printers - Commercial
- FAX Machines - Commercial



Energy Conservation Program Potential New Products

POTENTIAL NEW PRODUCTS

• **New Products - Residential‡**

- Desktop PC - Residential
- Monitors - Residential
- Copy Machines - Residential
- Laser Printers - Residential
- FAX Machines - Residential
- Inkjet Printers - Residential
- Auto Coffee Maker - Residential
- Cable Box - Residential
- Compact Audio - Residential
- De-humidifier - Residential
- Furnace Fan - Residential
- Microwave Ovens - Residential
- Pool Pump - Residential
- RACK Audio - Residential
- Torchieres (Halogen)
- VCR - Residential
- Waterbed Heater - Residential
- Well Pump - Residential
- Window, Stand and Desk Fans - Residential
- Ceiling Fans – Residential

‡ NAECA authorizes rulemakings for residential products with average usage per household of 100 kWh/year



Energy Conservation Program Potential New Products

POTENTIAL NEW PRODUCTS

- *What criteria should be used for adding new products and prioritizing this activity?*
 - Are criteria used for prioritizing existing products appropriate?
 - What other factors should be considered in the selection of products or categories of products?
 - *Are there issues such as safety and health which would disqualify a product from consideration?*
 - *Should we consider approaches other than mandatory rulemaking, i.e., negotiated agreements, legislation, Energy Star, tax credits, etc?*
- *What process should we use for applying the selected criteria?*
 - Data collection and analysis
 - Public input in making selection