

savings for inclusion in the program: (1) Recessed Lensed 2'x4' (4 lamps); (2) Recessed Lensed 2'x4' (3 lamps); (3) Recessed 2'x4' (2 lamps); (4) Recessed Parabolic Louvered 2'x4' (4 lamps); (5) Recessed Parabolic Louvered 2'x4' (3 lamps); (6) Recessed Parabolic Louvered 2'x4' (2 lamps); (7) Wraparound (2 and 4 lamps); (8) Strip (1 lamp); (9) Strip (2 lamps); and (10) Industrial (2 lamps).

The Department supports the Collaborative's suggestion that the covered luminaires should collectively represent approximately 80 percent of the fluorescent luminaire market to satisfy EPACT's requirement to cover luminaires that are "widely used." If the data submitted to the Department in the program description support previous claims that these categories represent 80 percent of the fluorescent luminaire market, and show potential for significant energy savings, their selection appears to provide a reasonable base for the initial phase of the program.

The American Council for an Energy-Efficient Economy (Council) addressed issues concerning the long-term operation of the voluntary program, and the ability to confirm market targets and percentages. With respect to the information to be provided to consumers, it said that information in catalogs and other marketing materials should explain that the use of lower-efficacy lamps as replacements in luminaires would lower the energy efficiency. Regarding the selection of luminaires to be included in the program, the Council urged that a mechanism be established to add new luminaire types that gain market share in the future. The Council also brought up data collection and tracking energy efficiency trends as possible areas of information needed. Finally, it urged that the voluntary program meet specified percentage targets of manufacturer participation over time: 25 percent of luminaires covered by the program after the first year, 50 percent the second year, and 75 percent the third year. The Department agrees that participation levels should be included in the report on the voluntary luminaire program. These issues are addressed in the evaluation criteria, *infra*.

Other public meeting comments centered on how to verify that 80 percent of the fluorescent luminaire market is covered by the 10 categories selected for the program, and how to evaluate whether the new energy efficiency information is reaching its target audiences. To address these issues, the Collaborative submitted a revised program description on July 28, 1994. It proposed that NEMA would

collect data on luminaire market shares from manufacturers to verify that the categories selected for the program represent 80 percent of the market. Regarding future data collection on sales of LER-rated luminaires, it was suggested that manufacturers provide sales data to the Bureau of Census. NEMA would also inform DOE of the number of companies whose catalogs show the new energy information. The International Association of Lighting Designers, a member of the Collaborative, would be responsible for tracking press coverage, and would develop a survey on awareness of the program to be used by manufacturers' representatives, distributors, and specifiers. The Department views these data collection methods as appropriate for tracking the development of the program.

On January 5, 1995, DOE held another public meeting to discuss the Department's proposed evaluation criteria with persons interested in the development of the voluntary program. Members of the National Lighting Collaborative asked that the means by which manufacturer participation would be measured be clarified in the evaluation criteria. That section has been changed to reflect the suggestions of the Collaborative that manufacturer participation be measured as a percentage of the sales of LE5-tested fixtures (measured in dollars) to the total sales of listed products covered by the program.

3. Evaluation Criteria and Procedures

The Department of Energy will evaluate voluntary consumer information programs for luminaires against the following criteria. In order to make its determination, the Department is requesting that any program description be submitted to the Department no later than July 14, 1995. The submitted description should include information explaining how the voluntary national testing and information program for luminaires addresses each of the elements described below.

a. Program Organization: Since the Energy Policy Act specifies that the voluntary program should be developed by an "appropriate organization (composed of interested parties)," the Department will assess the composition and procedures of the group developing the program to determine if it reflects a consensus position within a broad spectrum of the lighting community.

b. Coverage: In order to determine which luminaires are widely used and show a potential for significant energy savings, the Department will require

data supporting the selection of the specific luminaire categories to be included in the initial phase of the voluntary program, and for verifying the stated market coverage with documented data sources. Those luminaires selected shall comprise approximately 80 percent of the fluorescent luminaire market. In anticipation of new products gaining market share and replacing some of those included in the initial phase of the program, a plan should be shown for including new products in the future.

c. Testing and Rating: In order to evaluate the program's testing procedures, the Department will compare the proposed test procedures to existing test procedures, such as those published by the Illuminating Engineering Society (IES), and the American National Standards Institute (ANSI), to verify the accuracy and validity of the procedures. The proposed testing and rating program should provide consumers with a consistent standard of measurement for comparing the energy efficiency of the luminaires covered by the program.

d. Information Program: In order to assess the effectiveness of the energy efficiency information provided to consumers, the Department will evaluate the implementation plan to determine how different audiences, such as managerial, technical, and procurement, have been targeted. Provisions in the program for the use of catalogs, labels, or other materials shall be explained. Concerns over the possible substitution of lower-efficacy replacement lamps and other components shall be addressed. Examples of new energy efficiency information materials shall be submitted.

e. Manufacturer Participation: In order to assess whether the voluntary program proposed is a broad-based, national program, the Department will require some indication of manufacturer participation. Recognizing that a national program takes both time and resources to achieve its objective, it is reasonable to establish targets of manufacturer participation, which would gradually increase as the program expands over time. Expectations are that approximately 25 percent of the industry wide shipments (measured in dollars) of the listed products (total) will have energy efficiency information published in the supporting sales literature by one year from the date of publication of this notice. The percentage would become approximately 50 percent in 2 years, and approximately 75 percent in 3 years. A plan for documenting the