

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition for approval of) DOCKET NO. 960817-EG
Commercial/Industrial Daylight) ORDER NO. PSC-96-1366-FOF-EG
Dimming Research Project by) ISSUED: November 18, 1996
Florida Power & Light Company.)
_____)

The following Commissioners participated in the disposition of this matter:

SUSAN F. CLARK, Chairman
J. TERRY DEASON
JOE GARCIA
JULIA L. JOHNSON
DIANE K. KIESLING

NOTICE OF PROPOSED AGENCY ACTION
ORDER APPROVING COMMERCIAL/INDUSTRIAL
DAYLIGHT DIMMING RESEARCH PROJECT

BY THE COMMISSION:

NOTICE IS HEREBY GIVEN by the Florida Public Service Commission that the action discussed herein is preliminary in nature and will become final unless a person whose interests are substantially affected files a petition for a formal proceeding, pursuant to Rule 25-22.029, Florida Administrative Code.

CASE BACKGROUND

In Order No. PSC-95-0691-FOF-EG, issued June 9, 1995, we approved the Demand Side Management (DSM) Plans of the four largest investor-owned electric utilities, including Florida Power and Light Company (FPL). Included in FPL's approved DSM Plan were several research and development (R&D) programs. These programs are intended to produce actual field data for specific energy consuming technologies. The data will allow FPL to determine the potential for full scale program development. FPL also received approval for its Conservation Research and Development (CRD) Program. The CRD program allows FPL to perform less formal research on a variety of technologies and energy efficiency measures.

On July 10, 1996, FPL filed its petition for approval, including approval for conservation cost recovery, of its

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FPSC-RECORDS/REPORTING

Commercial/Industrial Daylight Dimming Research Project. The purpose of this research project is twofold: 1) to field test the performance of daylight dimming technology, particularly with respect to electrical energy and demand savings; and 2) to research the potential acceptance of the technology by end-users.

In Order No. 22176, issued November 14, 1989, the Commission stated that conservation programs will be judged by the following criteria:

1. Does each component program advance the policy objectives set forth in Rule 25-17.001, Florida Administrative Code, and the FEECA statute (Section 386.801, Florida Statutes)?
2. Is each component program directly monitorable and yield measurable results?
3. Is each component program cost-effective?

Because the purpose of the research project is to determine the demand and energy savings attributable to the daylight dimming equipment, no cost-effectiveness determination is necessary.

DECISION

Daylight dimming systems constantly adjust the electric lighting level based on the amount of daylight available. In theory, electrical demand and energy may be saved by reducing the electrical input into the lighting fixture. Savings may also occur from reduced air-conditioning load as a result of lower heat gain from the controlled lighting equipment.

The purpose of the research project is to collect data on the performance and market potential of the daylight dimming technology. FPL will use the data and information to determine whether to incorporate a permanent daylight dimming measure into its commercial and industrial DSM programs. FPL also seeks approval to conduct a market survey to determine customer acceptance, potential target markets, and expected penetrations.

The projected cost of the research project is \$377,000. FPL provided a breakdown of costs by the categories used in the Energy Conservation Cost Recovery (ECCR) filings. The majority of costs

(\$323,570) are projected for outside services. FPL plans to contract for the daylight dimming research, and the market research study.

Two office buildings will be selected for installation and research of the daylight dimming equipment. The electrical power usage of the lighting system and the air-conditioning system, and the light levels at the desktop level will be monitored. The research will produce measurable results which will allow FPL to evaluate the technology. FPL will require the contractor performing the research to submit monthly, interim, and final progress reports.

FEECA and Rule 25-17.001, Florida Administrative Code, in part state that increasing the efficiency of the end-use consumption of electricity to the extent cost-effective is a priority. The proposed research will allow FPL to determine whether the daylight dimming technology is cost-effective and can contribute to this policy.

We approve the project because the Commercial/Industrial Daylight Dimming Research Project advances the policy objectives of FEECA and the Florida Administrative Code, is directly monitorable, and yields measurable results. FPL will file a project summary report after the conclusion of the project detailing the research findings. FPL may recover reasonable and prudent expenses through the conservation cost recovery clause. However, expenses are limited to \$377,000 over the twenty months from the date this Order becomes final.

Based on the foregoing, it is

ORDERED by the Florida Public Service Commission that Florida Power and Light Company's Commercial/Industrial Daylight Dimming Research Project, as discussed above, is approved. It is further

ORDERED that Florida Power and Light Company shall file a project summary report after the conclusion of the project detailing the research findings. It is further

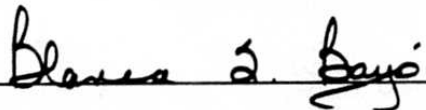
ORDERED that Florida Power and Light Company may recover reasonable and prudent expenses through the conservation cost recovery clause, as discussed above. It is further

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ORDERED that the provisions of this Order, issued as proposed agency action, shall become final and effective unless an appropriate petition, in the form provided by Rule 25-22.036, Florida Administrative Code, is received by the Director, Division of Records and Reporting, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, by the close of business on the date set forth in the "Notice of Further Proceedings or Judicial Review" attached hereto. It is further

ORDERED that in the event this Order becomes final, this Docket shall be closed.

By ORDER of the Florida Public Service Commission, this 18th day of November, 1996.



BLANCA S. BAYÓ, Director
Division of Records and Reporting

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NOTICE OF FURTHER PROCEEDINGS OR JUDICIAL REVIEW

The Florida Public Service Commission is required by Section 120.59(4), Florida Statutes, to notify parties of any administrative hearing or judicial review of Commission orders that is available under Sections 120.57 or 120.68, Florida Statutes, as well as the procedures and time limits that apply. This notice should not be construed to mean all requests for an administrative hearing or judicial review will be granted or result in the relief sought.

The action proposed herein is preliminary in nature and will not become effective or final, except as provided by Rule 25-22.029, Florida Administrative Code. Any person whose substantial interests are affected by the action proposed by this order may file a petition for a formal proceeding, as provided by Rule 25-22.029(4), Florida Administrative Code, in the form provided by Rule 25-22.036(7)(a) and (f), Florida Administrative Code. This petition must be received by the Director, Division of Records and Reporting, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, by the close of business on December 9, 1996.

In the absence of such a petition, this order shall become effective on the day subsequent to the above date as provided by Rule 25-22.029(6), Florida Administrative Code.

Any objection or protest filed in this docket before the issuance date of this order is considered abandoned unless it satisfies the foregoing conditions and is renewed within the specified protest period.

If this order becomes final and effective on the date described above, any party substantially affected may request judicial review by the Florida Supreme Court in the case of an electric, gas or telephone utility or by the First District Court of Appeal in the case of a water or wastewater utility by filing a notice of appeal with the Director, Division of Records and Reporting and filing a copy of the notice of appeal and the filing fee with the appropriate court. This filing must be completed within thirty (30) days of the effective date of this order, pursuant to Rule 9.110, Florida Rules of Appellate Procedure. The notice of appeal must be in the form specified in Rule 9.900(a), Florida Rules of Appellate Procedure.