

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for
modification of Photovoltaic
Research, Development and
Education Project by Florida
Power & Light Company.

DOCKET NO. 010715-EG
ORDER NO. PSC-01-1406-PAA-EG
ISSUED: June 29, 2001

The following Commissioners participated in the disposition of
this matter:

E. LEON JACOBS, JR., Chairman
J. TERRY DEASON
LILA A. JABER
BRAULIO L. BAEZ
MICHAEL A. PALECKI

NOTICE OF PROPOSED AGENCY ACTION
ORDER GRANTING APPROVAL OF MODIFICATION

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.

On May 10, 2001, Florida Power & Light Company (FPL) petitioned the Commission for approval of a modification to its Photovoltaic Research, Development and Education (PVRD&E) Project. We approved the PVRD&E Project as part of FPL's 2000 Demand-Side Management (DSM) Plan in Docket No. 991788-EG, Order No. PSC-00-0915-PAA-EG. Photovoltaic (PV) roof-tile systems are a relative new technology which directly replaces existing roofing materials, such as shingles and standing-rib roofing, with PV materials. The PVRD&E project is limited to residential homes. FPL is working with homebuilders to install five to ten PV roof systems in new single family homes. Each roof system will be 2 kW (dc) each, resulting in 10 to 20 kW (dc) PV arrays in total. The PVRD&E

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Project Modification will allow FPL to include in the roof top PV systems Project, commercial, industrial and governmental buildings.

According to the petition, FPL's PVRD&E Project was developed to analyze the feasibility of replacing existing roofing material with photovoltaic roofing materials. As currently approved, the PVRD&E Project is limited to the installation of PV roof systems on five to ten single family homes. FPL expects that the development and analysis phase of the project will take at least three years, with total project cost of \$471,000. The Commission approved these expenditures in Docket No. 991788-EG, Order No. PSC-00-0915-PAA-EG. To date FPL has three residences where this PV roofing material is being installed. At the time FPL entered into its stipulation with the Legal Environmental Assistance Foundation, Inc. (LEAF) and later when FPL proposed the Project, FPL believed that PV roof top systems were suitable only for residential applications. However, as FPL has learned more about these products, FPL now believes that they may be suitable for commercial, industrial and governmental customers as well.

FPL has found several such customers who desire to participate in this research effort. Specifically, Florida Gulf Coast University and St. Thomas University have requested to be included in the PVRD&E Project. Since one of the primary purposes of the PVRD&E Project was to increase local building officials' awareness, understanding and acceptance of the PV roofing technology, FPL believes that modification of the Project to allow installations on commercial, industrial and governmental sites is appropriate. FPL's participating customers will own the roof top PV systems, and each system will be interconnected into FPL's electrical system.

There is no cost-effectiveness analysis required for the PVRD&E Project because research is needed to determine the cost-effectiveness of the installation of the PV roof top systems. The proposed modification to the Project would not increase the budget of the project. Also, FPL does not propose to modify its original monitoring plan. The modified PVRD&E Project is directly monitorable and will yield measurable results. FPL and LEAF have agreed to this change. We believe that FPL will gain valuable information on the performance of this technology in the commercial, industrial and governmental sectors. If this project demonstrates that PV roof top systems can be offered cost-

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effectively, then FPL plans to add such a measure to its DSM plans. Therefore, we approve FPL's Petition, including the recovery through the Energy Conservation Cost Recovery clause, of all reasonable and prudent expenditures for the modified PVRD&E Project.

Based on the foregoing, it is

ORDERED by the Florida Public Service Commission that the petition by Florida Power & Light Company to modify its Photovoltaic Research, Development and Education Project, is approved. It is further

ORDERED that the provisions of this Order, issued as proposed agency action, shall become final and effective upon the issuance of a Consummating Order unless an appropriate petition, in the form provided by Rule 28-106.201, 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" 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 29th day of June, 2001.

BLANCA S. BAYÓ, Director
Division of Records and Reporting

By: Kay Flynn
Kay Flynn, Chief
Bureau of Records

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NOTICE OF FURTHER PROCEEDINGS OR JUDICIAL REVIEW

The Florida Public Service Commission is required by Section 120.569(1), Florida Statutes, to notify parties of any administrative hearing that is available under Section 120.57, 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 will be granted or result in the relief sought.

Mediation may be available on a case-by-case basis. If mediation is conducted, it does not affect a substantially interested person's right to a hearing.

The action proposed herein is preliminary in nature. Any person whose substantial interests are affected by the action proposed by this order may file a petition for a formal proceeding, in the form provided by Rule 28-106.201, 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 July 20, 2001.

In the absence of such a petition, this order shall become final and effective upon the issuance of a Consummating Order.

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.