

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Petition for approval of) DOCKET NO. 930782-EG
battery charging program by) ORDER NO. PSC-93-1645-FOF-EG
Florida Power and Light Company.) ISSUED: November 9, 1993
_____)

The following Commissioners participated in the disposition of this matter:

SUSAN F. CLARK
JULIA L. JOHNSON
LUIS J. LAUREDO

NOTICE OF PROPOSED AGENCY ACTION

ORDER APPROVING FPL'S OFF-PEAK
BATTERY CHARGING PROGRAM

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 adversely affected files a petition for a formal proceeding, pursuant to Rule 25-22.029, Florida Administrative Code.

Pursuant to Section 366.82(2), Florida Statutes, on August 4, 1993, Florida Power and Light Company ("FPL" or the "utility") filed a petition for approval of its Off-Peak Battery Charging Program (the "program"), to include the program in its Demand-Side Management Plan for the 90s, and to allow FPL to recover reasonable and prudent expenditures for the program through the Energy Conservation Cost Recovery ("ECCR") Clause. An amendment to FPL's petition was filed on September 3, 1993. The program requires participating customers to shift the recharge of golf cart batteries from on-peak to off-peak periods through the use of a battery charging control system. Off-Peak Battery Charging program development costs of \$42,030, through March 1993, have been recovered in the ECCR Clause as part of FPL's approved Research and Development Program.

Pursuant to Order No. 22176, issued November 14, 1989, in Docket No. 890737-PU, we must evaluate conservation programs by the following criteria: (1) whether the program advances the policy objectives set forth in Rule 25-17.001, Florida Administrative

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Code, and the Florida Energy Efficiency and Conservation Act ("FEECA"), Sections 366.80-.85, Florida Statutes, (2) whether the program can be directly monitored and yield measurable results; and (3) whether the program is cost-effective.

The objective of the program is to reduce the growth of FPL's summer and winter coincident peak demand by shifting golf cart battery charging load from on-peak to off-peak periods. To be eligible, customers must be demand billed on a non-time-of-use rate and install an approved battery charging control system programmed by FPL. The utility will provide an incentive of \$75 for each KW of charging load shifted from on-peak periods. Customer incentives will help defray the cost of installing the charging control system and shall not exceed the actual equipment cost. In order to qualify for the incentive, a minimum of seventy percent of the charging load must be controlled by the battery charging control system. Participating golf courses can use up to thirty percent of the remaining charging load during peak periods. Participating customers shall also receive all operating/bill savings derived from shifting demand.

The program advances the policy objectives set forth in Rule 25-17.001 and FEECA by reducing the growth rate of weather sensitive peak demand and increasing the conservation of expensive resources, such as petroleum fuels. The program shall shift peak demand energy usage to off-peak periods, during which time more efficient and lower cost generation and fuel are typically dispatched to serve this load.

FPL shall implement extensive field monitoring for program participants and non-participants to establish usage patterns, demand impacts, and validate engineering assumptions. Data obtained from monitoring will be used to revise program objectives and standards and to verify cost-effectiveness. In addition to collecting pre-retrofit data on participating sites to establish load profiles, the utility plans to collect end-use level metered data on approximately twenty percent of the participating sites in 1994. Thus, the program can be directly monitored and will yield measurable results.

According to FPL's research, a typical qualifying installation is projected to provide a 52 KW summer peak reduction and a 45.5 KW winter peak reduction. The program does not provide KWH energy savings because all on-peak energy saved is shifted to or paid back during off-peak periods. Program participation through the year

1999 is projected to be 203 customers producing total peak reductions of 10.6 MW summer and 9.2 MW winter. FPL estimates the average cost per installation will be \$6,293 (administrative costs of \$2,393 and rebates of \$3,900). Based on our cost-effectiveness methodologies, the benefit/cost ratios for the program are as follows:

Total Resource Test	4.76
Participants Test	3.90
Rate Impact Test	1.56

Thus, the program is cost-effective under both the Rate Impact Measure Test (1.56 to 1) and the Total Resource Test (4.76 to 1).

For the reasons discussed above, FPL's program meets the three criteria set forth in Order No. 22176. Accordingly, we find that FPL's Off-Peak Battery Changing Program shall be approved, the program shall be included in FPL's Demand-Side Management Plan for the 90s, and FPL shall be allowed to recover reasonable and prudent expenditures associated with the program through the ECCR Clause.

FPL shall file program participation standards within 30 days of the issuance of this Order. These standards shall clearly state FPL's requirements for the program in a manner which precludes program bias and assures program integrity and should include, at a minimum, specific details on the following criteria:

- (1) customer eligibility;
- (2) equipment eligibility;
- (3) technical assistance;
- (4) system functional requirements;
- (5) incentive credit administration;
- (6) program monitoring and measurement;
- (7) equipment performance verification and investment protection;
- (8) reporting requirements; and
- (9) sample format for reporting project costs with clear separation of incentive dollars from other program dollars.

If the participation standards filed by FPL meet our requirements, they shall be administratively approved by staff.

In its petition, FPL requests approval of Other Battery Charging Applications for potential programs other than golf cart charging, such as electric fork-lifts and electric vehicle fleet garages. These other battery charging applications shall be handled through FPL's Commercial/Industrial Business Custom Incentives ("BCI") Program, approved by Order No. PSC-93-0472-FOF-EG, issued March 31, 1993, in Docket No. 921100-EG. Under the BCI program, incentives are paid to commercial/industrial customers who have energy efficiency measures that are cost-effective but not otherwise covered by one of FPL's commercial/industrial programs. In addition to the requirements of FPL's BCI program, FPL has also agreed to file with the Commission, within 90 days of the time a final incentive payment is made, an application specific cost-effective analysis. This cost-effectiveness analysis shall be in addition to the annual filing required by Order No. PSC-93-0472-FOF-EG.

It is, therefore,

ORDERED by the Florida Public Service Commission that Florida Power and Light Company's Off-Peak Battery Charging Program is hereby approved. It is further

ORDERED that Florida Power and Light Company shall file program participation standards within 30 days of the issuance of this Order. It is further

ORDERED that Florida Power and Light Company's Other Battery Charging Programs shall be handled through the utility's Commercial/Industrial Business Custom Incentives Program as discussed above. It is further

ORDERED that if an Other Battery Charging Program is handled through the Commercial/Industrial Business Custom Incentives Program, Florida Power and Light Company shall file an application specific cost-effective analysis within 90 days of the time a final incentive payment is made. It is further

ORDERED that this Order shall become final and this docket shall be closed unless an appropriate petition for formal proceeding is received by the Division of Records and Reporting, 101 East Gaines Street, Tallahassee, Florida 32399-0870, by the close of business on the date indicated in the Notice of Further Proceedings or Judicial Review.

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By ORDER of the Florida Public Service Commission this 9th day
of November, 1993.

STEVE TRIBBLE, Director
Division of Records and Reporting

(S E A L)
MAH:bmi

by: Kay Lynn
Chief, Bureau of Records

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 at his office at 101 East Gaines Street, Tallahassee, Florida 32399-0870, by the close of business on November 30, 1993.

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.

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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 adversely 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.