

REQUEST TO ESTABLISH DOCKET
(PLEASE TYPE)

Date 7/18/01

Docket No. 010982-ED

1. Division Name/Staff Name Appeals/C. Moore *cm*
2. OPR C. Moore (APP)
3. OCR L. Colson (SER), J. Dean (PAI), C. Hewitt (ECR)
4. Suggested Docket Title Proposed Rule 25-6.065, F.A.C., Interconnection of Small Photovoltaic Systems

5. Suggested Docket Mailing List (attach separate sheet if necessary)
- A. Provide NAMES ONLY for regulated companies or ACRONYMS ONLY regulated industries, as shown in Rule 25-22.104, F.A.C.
- B. Provide COMPLETE name and address for all others. (Match representatives to clients.)
1. Parties and their representatives (if any)

BI

2. Interested Persons and their representatives (if any)

EM; EC

See Attached List

6. Check one:
- Documentation is attached.
- Documentation will be provided with the recommendation.

Jerry Ventre
Kevin Lynn
Jennifer Szaro
Brian Farni
Florida Solar Energy Center
1679 Clearlake Rd.
Cocoa, FL 32922

Colleen Kettles
Griffin Carrison
Florida Solar Energy Industries Association
145 Wekiva Springs Road
Suite 187
Longwood, FL 32779

Bill Willingham
Florida Electric Cooperative Association
2916 Apalachee Parkway
Tallahassee, FL 32301

Deborah Swim
Legal Environmental Assistance Foundation, Inc.
1114 Thomasville Road, Suite E
Tallahassee, FL 32303

Peter DeNapoli
Siemens Solar
6909 SW 18th ST
Suite A-301-B
Boca Raton, FL 33487

Steve Gorman
Micropower Corp.
4170 Churchwell Road
Jacksonville, FL 32210

Mr. Mike Anderson
1715 Highland Park Road
Deland, FL 32720

Robert F. Stonerock, Jr.
1306 Woodland Street
Orlando Florida 32806-2356

Dr. Thomas J. Starrs
Kelso Starrs & Associates LLC
14502 SW Reddings Beach Road
Vashon, WA 98070-6814
Fax 206-463-7572

1 25-6.065 Interconnection of Small Photovoltaic Systems

2 (1) A small photovoltaic system (SPS) is a solar powered
3 generating system that uses an inverter rated at no more than 10 kW
4 alternating current (AC) power output and is primarily intended to
5 offset part or all of a customer's current electricity requirements.

6 (2) At least 10 business days before the date the customer
7 expects to begin operating the SPS in parallel with the utility's
8 electric system, the customer must provide the host utility with the
9 following:

10 (a) Certification that the system contractor has complied with
11 IEEE-929, entitled "Recommended Practice for Utility Interface of
12 Photovoltaic (PV) Systems", dated April 3, 2000, which is
13 incorporated by reference into this rule;

14 (b) Certification that the system contractor has complied
15 with either IEEE Standard 1262-1995, entitled "Recommended Practice
16 for Qualification of Photovoltaic Modules", dated April 12, 1996,
17 IEC Standard 61215, dated April, 1993, or IEC Standard 61646, dated
18 November, 1996;

19 (c) Certification that the system contractor has complied with
20 UL Standard 1741, entitled "Standard for Safety for Static Inverters
21 and Charge Controllers for Use in Photovoltaic Power Systems", dated
22 January 17, 2001; UL Standard 1703, entitled "Standard for Safety:
23 Flat-Plate Photovoltaic Modules and Panels", dated August 1, 1986;
24 and all applicable local codes; and

25 (d) Proof of general liability insurance for personal and

CODING: Words underlined are additions; words in
~~struck through~~ type are deletions from existing law.

1 property damage in the amount of no less than \$100,000. A
2 homeowner's policy in at least this amount shall be deemed suitable
3 to meet this requirement.

4 (3) The utility shall provide the customer with written notice
5 that it has received the documents required by subsection (2) within
6 10 business days of receipt. The customer shall not begin parallel
7 operations until the customer has received this written notice.

8 (4) If required by the utility, the customer shall:

9 (a) Install a manual disconnect switch of the visible load
10 break type to provide a separation point between the AC power output
11 of the SPS and any customer wiring connected to the utility's
12 system. The manual disconnect switch shall be mounted separate from
13 the meter socket and shall be readily accessible to the utility and
14 capable of being locked in the open position with a utility padlock.
15 The utility may open the switch, isolating the SPS (or premises),
16 without prior notice to the customer. To the extent practicable,
17 however, prior notice shall be given.

18 (b) Provide a written agreement to hold harmless and indemnify
19 the utility from all loss resulting from the operation of the SPS,
20 except in those cases where loss occurs due to the negligent actions
21 of the utility.

22 (5) Any one of the following conditions shall be cause for
23 disconnection:

24 (a) Utility system emergencies or maintenance requirements;

25 (b) Hazardous conditions existing on the utility system due

CODING: Words underlined are additions; words in
~~struck through~~ type are deletions from existing law.

1 to the operation of the customer's SPS generating or protective
2 equipment as determined by the utility;

3 (c) Adverse electrical effects (such as power quality
4 problems) on the electrical equipment of the utility's other
5 electric consumers caused by the SPS as determined by the utility;
6 or

7 (d) Failure of the customer to maintain the required
8 insurance.

9 The SPS shall be reconnected to the utility grid as soon as
10 practical once the condition that was the basis for disconnection
11 ceases to exist.

12 (6) The utility shall have the right to inspect the SPS and
13 its component equipment to ensure compliance with subsections (2)
14 and (4). The utility has the right to have personnel present at the
15 initial testing of customer equipment and protective apparatus.

16 (7) It is the responsibility of the customer who operates an
17 SPS to protect its generating equipment, inverters, protection
18 devices, and other system components from damage from the normal and
19 abnormal conditions and operations which occur on the utility system
20 in delivering and restoring system power; and to inspect, maintain,
21 and test the SPS equipment in accordance with the manufacturer's
22 instructions to insure that it is operating correctly and safely.

23 (8) The utility may install, at its own expense, an additional
24 meter or metering equipment on the customer's premises capable of
25 measuring any excess kilowatt-hours produced by the SPS and

CODING: Words underlined are additions; words in
~~struck through~~ type are deletions from existing law.

1 delivered back to the utility. The value of such excess generation
2 shall be credited to the customer's bill based on the average
3 monthly fuel charge and variable operating and maintenance expenses
4 as provided for under the host utility's COG-1 tariffs, or by other
5 applicable tariffs approved by the Florida Public Service
6 Commission. If the utility does not install such a meter or
7 metering equipment, the utility shall permit the customer to net
8 meter any excess power delivered to the utility by use of a single
9 standard watt-hour meter capable of reversing directions to offset
10 recorded consumption by the customer. If the kilowatt-hour of
11 energy produced by the SPS exceeds the customer's kilowatt-hour
12 consumption for any billing period, such that when the meter is read
13 the value displayed on the register is less than the value displayed
14 on the register when it was read at the end of the previous billing
15 period, the utility shall carry forward credit for the excess energy
16 to the next billing period. Credits may accumulate and be carried
17 forward during 12-month periods specified by the utility (e.g.,
18 January 1 through December 31). In no event shall the customer be
19 paid for excess energy delivered to the utility at the end of the
20 12-month period.

21 **Specific Authority:** 350.127(2), 366.05(1), F.S.

22 **Law Implemented:** 366.04(2)(c) (5) (6), 366.05(1), 366.81, F.S.

23 **History:** New _____.

24

25

CODING: Words underlined are additions; words in
~~struck through~~ type are deletions from existing law.