

## NOTICE OF PROPOSED REGULATION AMENDMENT

Date: August 18, 2005

**REGULATION TITLE:**  
Solar Collector Testing Standards

**REGULATION NO.:**  
6C7-8.002

**SUMMARY OF REGULATION AMENDMENT:** This regulation is revised to reflect updated information regarding the testing and standards for solar thermal collectors and photovoltaic modules. The regulation provides updated information to the public to get details regarding the standards and the testing program.

**AUTHORITY:** BOG Resolution dated January 7, 2003

**NAME OF PERSON INITIATING PROPOSED REGULATION AMENDMENT:**  
Philip Fairey, Deputy Director of Florida Solar Energy Center

**COMMENTS CONCERNING THE PROPOSED REGULATION AMENDMENT SHOULD BE SUBMITTED WITHIN 14 DAYS OF THE DATE OF THIS NOTICE TO THE CONTACT PERSON IDENTIFIED BELOW.** The comments must identify the regulation you are commenting on.

**THE PERSON TO BE CONTACTED REGARDING THE PROPOSED REGULATION IS:**

Regulations Administrator  
4000 Central Florida Blvd.  
Millican Hall, Suite 360  
Orlando, FL 32816-0015  
Phone: (407) 823-2482  
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**FULL TEXT OF THE PROPOSED REGULATION AMENDMENT:**

**6C7-8.002 Solar Thermal Collector and PV Module Testing Standards.**

(1) The ~~Florida Solar Energy Center Collector Testing and Minimum Collector Standards Program shall apply~~ ~~applies~~ to solar thermal collectors and PV modules submitted for testing and evaluation by manufacturers, distributors, or retailers (herein called the "Seller"). Equipment that converts sunlight directly into useful thermal or heat energy shall be designated as thermal collectors. Equipment that converts sunlight directly into useful electrical energy shall be designated as photovoltaic (herein called "PV") modules. The procedures and requirements for participating in the program shall be those described in FSEC Standard 101-05, "Test Methods and Minimum Standards for Certifying Solar Collectors," FSEC GP 5-80 (January 1985), and "Operation of the Solar Thermal Collector Certification Program," (May 2005), FSEC GP 6-80 (January 1985), and FSEC Standard 201-05,

“Operation of the Photovoltaic Module Performance Certification Program” (May 2005), whichever is applicable. A copy of each of these standards publications is incorporated in this rule by reference.

(2) The standards for ~~flat plate~~ solar thermal collectors shall be those described in ~~FSEC GP 5-80. FSEC Standard 102-05, “Test Methods and Minimum Standards for Certifying Solar Thermal Collectors” (May 2005).~~ The standards for PV modules shall be those described in FSEC Standard 202-05, “Test Method for Photovoltaic Module Power Rating” (May 2005). A copy of each of these standards is incorporated in this rule by reference. ~~To receive a label of certification under this rule a seller’s collector must meet these standards.~~ Sellers are required to meet these standards and have a Label of Certification in accordance with FSEC Standard 101-05 or FSEC Standard 201-05, whichever is applicable, or meet these standards in order to sell solar thermal collectors or PV modules in Florida.

(3) The criteria for testing the performance of flat plate solar thermal collectors and systems shall be those described in FSEC Standard 102-05 and FSEC Standard 105-05, “Solar Thermal System and Components Test Protocols” (May 2005). The criteria for testing the performance of PV modules shall be those described in FSEC Standard 202-05, “A Method of Testing to Determine the Thermal Performance of Solar Collectors,” Standard 93-77 and “Methods of Testing to Determine the Thermal Performance of Unglazed Flat Plate Liquid Type Solar Collectors,” Standard 96-1980 of the American Society of Heating, Refrigeration and Air Conditioning Engineers, 1791 Tullie Circle, N. E., Atlanta, GA 30329, as described by the Florida Solar Energy Center in FSEC GP 5-80.

(4) Results of tests, as described in FSEC Standard 102-05, FSEC Standard 105-05 and FSEC Standard 202-05, FSEC GP 5-80 conducted by organizations other than the ~~Florida Solar Energy Center~~ may be accepted by the Center when the testing organization meets the requirements and criteria of FSEC Standard 101-05, FSEC Standard 103-05, “Operation of the Solar Thermal Systems Certification Program” (May 2005), incorporated herein by reference, or FSEC Standard 201-05, whichever is applicable, FSEC GP 6-80. ~~Partial test results consisting of the results of thermal performance tests conducted prior to implementation of this rule will not be accepted when application for acceptance is made after April 1, 1978. The Center may refuse to accept test results from other testing organizations that which do not meet these criteria of FSEC GP 6-80.~~

*Specific Authority:* ~~240.209(4), 120.53(1)(a), 240.227(1), 377.705(4)(a), (b) FS. Law Implemented 377.705(4)(a), (b), 240.277(1), 240.279, 240.281, 240.209(3)(m), (4), (5)(c) FS. BOG Resolution dated January 7, 2003. History—Formerly 6C-12.02, Renumbered and Amended 1-3-85, Formerly 6C7-8.02, \_\_\_\_\_.~~