

Dinwoodie Thomas
Form 4
August 23, 2007

FORM 4

**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Dinwoodie Thomas

2. Issuer Name and Ticker or Trading Symbol
SUNPOWER CORP [SPWR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
3939 NORTH FIRST STREET

(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
08/21/2007

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
CEO - SunPower Corp., Systems

SAN JOSE, CA 95134

(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
___ Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Class A Common Stock	08/21/2007		S	(A) or (D) D	\$ 120,000 <u>(1)</u> 63.0045 <u>(3)</u>	D	1,846,685 <u>(2)</u>

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu
				Code V (A) (D)		Date Exercisable Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Dinwoodie Thomas 3939 NORTH FIRST STREET SAN JOSE, CA 95134			CEO - SunPower Corp., Systems	

Signatures

/s/ Magali Salomon, Attorney-in-Fact	08/23/2007
**Signature of Reporting Person	Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The sale reported on this Form 4 was effected pursuant to a previously adopted rule 10b-5-1 trading plan by the reporting person.
791,732 shares held by Mr. Dinwoodie are subject to an agreement with SunPower that imposes certain transfer and repurchase restrictions. The restrictions lapse on one quarter of the shares semi-annually during the two-year restriction period, so long as Mr. Dinwoodie remains employed by SunPower. 263,910 shares remain to vest on 1/10/2008, 263,911 shares on 7/10/2008 and 263,911 on 1/10/2009.
- (3) Price reflects weighted average sales price; actual sales prices ranged from \$61.73 to \$65.70.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.