## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940 OMB APPROVAL
OMB Number: 3235-0287
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hours per response: 0.5

1. Name and Add Swanson R	lress of Reporting ichard M	Person*	2. Issuer Name <b>and</b> Ticker or Trading Symbol <u>SUNPOWER CORP</u> [ SPWRA ]		ionship of Reporting Pe all applicable) Director	rson(s) to Issuer 10% Owner			
			—	X	Officer (give title	Other (specify			
(Last)	(First) (Middle)		3. Date of Earliest Transaction (Month/Day/Year)		below)	below)			
	· · /	( )	01/29/2009		President & CTO				
C/O SUNPOWER CORPORATION									
3939 NORTH FIRST STREET		Т							
			4. If Amendment, Date of Original Filed (Month/Day/Year)	6. Indivi	dual or Joint/Group Filir	g (Check Applicable			
(Ctric at)				Line)					
(Street)				X	Form filed by One Rep	porting Person			
SAN JOSE	CA	95134			Fame flad by Mana the				
			—		Form filed by More that Person	an One Reporting			
(City)	(State)	(Zip)							

### 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. 4. Securities Acquired (A) or Transaction Code (Instr. 8) 4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership		
			Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)
Class A Common Stock	01/31/2009		М		2,231	A	\$0	25,887	D	
Class A Common Stock	02/02/2009		F		875	D	\$31.88	25,012	D	
Class A Common Stock	01/31/2009		М		833	A	\$0	25,845	D	
Class A Common Stock	02/02/2009		F		350	D	\$31.88	25,495	D	

# Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

(e.g., puts, calls, warrants, options, convertible securities)

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) 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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)		
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)		
Performance- Based Restricted Stock Units (PSUs)	(1)	01/29/2009		A		6,692		(2)	(2)	Class A Common Stock	6,692	\$0	6,692	D	
Performanc- Based Restricted Stock Units (PSUs)	(1)	01/31/2009		М			2,231	(2)	(2)	Class A Common Stock	2,231	\$0	4,461	D	
Restricted Stock Units (RSUs)	(3)	01/31/2009		М			833	(4)	(4)	Class A Common Stock	833	\$0	1,667	D	

#### Explanation of Responses:

1. Each PSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting.

2. On January 31, 2008, Reporting Person was awarded a number of PSUs within a preset range, with the actual number contingent upon the achievement of certain performance criteria. The Compensation Committee of the Issuer?s Board of Directors confirmed achievement of the performance criteria on January 29, 2009 and, based on that assessment, determined the number of PSUs. The PSUs shall vest in three equal installments on each of January 31, 2009, January 31, 2010 and January 31, 2011.

3. Each RSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting.

4. The RSUs shall vest in three equal installments on each of January 31, 2009, January 31, 2010 and January 31, 2011.

**Remarks:** 

Donald T. Rozak, Jr., CP, as attorney-in-fact for Richard M. 02/02/2009 Swanson

\*\* Signature of Reporting Person Date

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

 $\ast$  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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.