Wenger Howard Form 4 February 02, 2011

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

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Check this box

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

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Wenger Howard Issuer Symbol SUNPOWER CORP [SPWRA] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner _X__ Officer (give title Other (specify C/O SUNPOWER 01/31/2011 below) CORPORATION, 3939 NORTH President, Util. & Pwr Plants FIRST STREET (Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

SAN JOSE, CA 95134

(City)	(State)	(Zip) Tab	le I - Non-	Derivativ	e Secu	ırities Acqui	red, Disposed of,	or Beneficial	ly 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) Transactiomr Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8) (A) or Code V Amount (D) Price			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	01/31/2011		M	1,334	A	\$ 0	41,431	D	
Class A Common Stock	01/31/2011		F <u>(1)</u>	490	D	\$ 13.44	40,941	D	
Class A Common Stock	01/31/2011		M	3,569	A	\$ 0	44,510	D	
Class A	01/31/2011		F(1)	1,310	D	\$ 13.44	43,200	D	

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Common Stock

Class A \$ \$ Common 02/01/2011 \$ $S_{\underline{(2)}}^{(2)}$ 2,000 D 13.6888 41,200 D Stock \$ (3)

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

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SEC 1474

(9-02)

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. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Expiration I (Month/Day	6. Date Exercisable and Expiration Date (Month/Day/Year)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title
Restricted Stock Units (RSUs)	<u>(4)</u>	01/31/2011		A	35,000	(5)	(5)	Class A Common Stock
Restricted Stock Units (RSUs)	<u>(4)</u>	01/31/2011		M	1,33	4 (6)	<u>(6)</u>	Class A Common Stock
Performance-Based Restricted Stock Units (PSUs)	<u>(7)</u>	01/31/2011		M	3,56	(8)	(8)	Class A Common Stock

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Wenger Howard C/O SUNPOWER CORPORATION 3939 NORTH FIRST STREET SAN JOSE, CA 95134

President, Util. & Pwr Plants

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Signatures

Karla Rogers, as attorney-in-fact for Howard
Wenger
02/02/2011

Date

**Signature of Reporting Person

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) Disposition of shares exempt under Rule 16b-3 as payment of tax liability to Company by delivery or withholding securities incident to vesting of restricted stock shares.
- (2) The sale reported on this Form 4 was effected pursuant to a previously adopted rule 10b5-1 trading plan by the reporting person.
 - Price reflects weighted average sales price; actual sales prices ranged from \$13.47 to \$13.81. The reporting person undertakes to provide,
- (3) upon request by the Commission staff, the Issuer, or a security holder of the Issuer, full information regarding the number of shares purchased or sold at each separate price.
- (4) Each RSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting.
- (5) The RSUs vest in three equal installments on each of March 1, 2012, March 1, 2013 and March 1, 2014.
- (6) The RSUs shall vest in three equal installments on each of January 31, 2009, January 31, 2010 and January 31, 2011.
- (7) Each PSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting.
- 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 vest in three equal installments on each of January 31, 2009, January 31, 2010 and January 31, 2011.

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.

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