Wenger Howard Form 4 March 02, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES

obligations may continue. See Instruction 1(b).

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 * Wenger Howard

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

(Last) (First)

(Middle)

SUNPOWER CORP [SPWRA] 3. Date of Earliest Transaction

(Check all applicable)

C/O SUNPOWER

CORPORATION, 3939 NORTH FIRST STREET

(Month/Day/Year) 02/28/2011

Director 10% Owner _X__ Officer (give title Other (specify below)

President, Util. & Pwr Plants

(Street)

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

SAN JOSE, CA 95134

(City)	(State)	(Zip) Tab	ole I - Non-	Derivative	Secu	rities Acquii	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securiti omr Dispose (Instr. 3, 4	ed of		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	03/01/2011		S(1)	2,000	D	\$ 17.3581 (2)	42,365	D	
Class A Common Stock	03/01/2011		M	10,229	A	\$0	52,594	D	
Class A Common Stock	03/01/2011		F(3)	3,752	D	\$ 17.23	48,842	D	
Class A	03/01/2011		M	23,333	A	\$ 0	72,175	D	

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Common Stock

Class A

Common 03/01/2011 $F_{\underline{(3)}}$ 8,559 D \$ 17.23 63,616 D

Stock

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 Acquired (Instr. 8) (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Underlying (Instr. 3 an	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title
Performance-Based Restricted Stock Units (PSUs)	<u>(4)</u>	02/28/2011		A	30,688		(5)	(5)	Class A Common Stock
Performance-Based Restricted Stock Units (PSUs)	<u>(4)</u>	03/01/2011		M		10,229	<u>(5)</u>	<u>(5)</u>	Class A Common Stock
Restricted Stock Units (RSUs)	<u>(6)</u>	03/01/2011		M	:	23,333	<u>(7)</u>	<u>(7)</u>	Class A Common Stock

Reporting Owners

Reporting Owner Name / Address Relationships

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

03/02/2011

**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 10b5-1 trading plan by the reporting person.
- Price reflects weighted average sales price; actual sales prices ranged from \$16.97 to \$17.80. The reporting person undertakes to provide,
- (2) 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.
- (3) 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.
- (4) Each PSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting.
- On August 5, 2010, 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 February 28, 2011 and, based on that assessment, determined the number of PSUs. The PSUs vest in three equal installments on each of March 1, 2011, March 1, 2012 and March 1, 2013.
- (6) Each RSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting.
- (7) The RSUs shall vest in three equal installments on each of March 1, 2011, March 1, 2012 and March 1, 2013.

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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