FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL OMB Number: 3235-0287 Estimated average burden 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

03/01/2014

03/01/2014

(6)

(6)

Performance-Based Restricted Stock Units (PSUs)

Performance-Based Restricted Stock Units (PSUs)

Instructio	n 1(b).			Fi	led pur or	suant Secti	to Secon 30	ction 16(a) (h) of the I	of the Senvestmen	ecuriti nt Cor	ies Exchang npany Act c	je Act of 19 of 1940	34			,		***	
1. Name and Address of Reporting Person* WERNER THOMAS H						2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [SPWR]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) C/O SUNPOWER CORPORATION 77 RIO ROBLES						3. Date of Earliest Transaction (Month/Day/Year) 03/01/2014								X Director 10% Owner X Officer (give title Other (specify below) Director, Pres and CEO					
(Street) SAN JOSE CA 95134					4. If Amendment, Date of Original Filed (Month/Day/Year)									Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting				ı	
(City) (State) (Zip)						Person													
		Tab	le I - No	n-Deri	ivativ	e Se	curit	ties Acc	uired,	Dis	posed of	f, or Ben	eficially	Owned					
Dat				Date	2. Transaction Date Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8)		4. Securiti Disposed	es Acquired Of (D) (Instr	(A) or 3, 4 and 5	5. Amount of Securities Beneficially Owned Follow Reported		Form: (D) or		7. Nature of ndirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) or (D)	Price	Transaction (Instr. 3 a	on(s)			(111501.4)	
Common Stock					03/01/2014						33,334	1 A	\$0 16		,205		D		
Common Stock				03/01/2014					M		75,000) A	\$0	242,	,205	05 D			
Common Stock				03/01/2014					M		87,833	3 A	\$0	330,038		D			
Common Stock				03/01/2014					M		15,100) A	\$0	345,138		D			
Common Stock					03/01/2014				M		92,231	l A	\$0	437,	437,369		D		
Common Stock				03/0	03/01/2014				M		120,59	3 A	\$0	557,	557,962		D		
Common Stock				03/0	03/01/2014						17,394	l D	\$33.13	540,568		D			
Common Stock				03/0	03/01/2014						39,136	5 D	\$33.13	501,432		D			
Common Stock				03/0	03/01/2014						45,832	2 D	\$33.13	455,	455,600		D		
Common Stock 0				03/0	03/01/2014						7,804	D	\$33.13	447,796		D			
Common Stock 0				03/0	03/01/2014				F ⁽³⁾		48,127	7 D	\$33.13	13 399,669		D			
Common Stock				03/0	03/01/2014				F ⁽³⁾		62,926	5 D	\$33.13	\$33.13 336,7			D		
		-	Table II -	Deriv (e.g.,	ative puts,	Sec call	uritie s, wa	es Acquarrants,	ired, E option	Dispo	osed of, convertib	or Bene le secur	ficially (ities)	Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	d Date,	4. Transactio Code (Inst		5. N Deri Sec Acq or D of (I	umber of ivative urities uired (A) bisposed D) (Instr. and 5)		Exerci	sable and te	7. Title and of Securiti Underlying Derivative (Instr. 3 an	I Amount es I Security	8. Price of Derivative Security (Instr. 5)	9. Numb derivativ Securitie Benefici Owned Followin Reported Transact	re es ally g	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)	
					Code	v			Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares		(Instr. 4)				
Restricted Stock Units (RSUs)	(1)	03/01/2014		M				33,334	(2)		(2)	Common Stock	33,334	\$0	0		D		
Restricted Stock Units (RSUs)	(1)	03/01/2014			M			75,000	(4)		(4)	Common Stock	75,000	\$0	75,0	00	D		
Restricted Stock Units (RSUs)	(1)	03/01/2014			M		87,833		(5)		(5)	Common Stock	87,833	\$0	175,6	175,667			
Performance- Based Restricted Stock Units (PSUs)	(6)	03/01/2014			M			15,100	(7)		(7)	Common Stock	15,100	\$0	0		D		

(8)

(9)

(8)

(9)

Common Stock

Common Stock

92,231

120,593

M

M

92,231

120,593

\$<mark>0</mark>

\$<mark>0</mark>

92,232

241,185

D

D

Explanation of Responses:

- 1. Each RSU represents a contingent right to receive one share of the Issuer's Common Stock upon vesting.
- 2. The RSUs vest in three equal installments on each of March 1, 2012, March 1, 2013 and March 1, 2014.
- 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. The RSUs vest in three equal installments on each of March 1, 2013, March 1, 2014 and March 1, 2015.
- 5. The RSUs vest in three equal installments on each of March 1, 2014, March 1, 2015, and March 1, 2016.
- 6. Each PSU represents a contingent right to receive one share of the Issuer's Common Stock upon vesting.
- 7. On January 31, 2011, 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 evaluated achievement of the performance criteria on March 1, 2012 and, based on that assessment, determined the actual number of PSUs. The PSUs vest in three equal installments on each of March 1, 2012, March 1, 2013 and March 1, 2014.
- 8. On March 28, 2012, 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 evaluated achievement of the performance criteria on February 19, 2013 and, based on that assessment, determined the actual number of PSUs. The PSUs vest in 3 equal installments on each of March 1, 2013, March 1, 2014 and March 1, 2015.
- 9. On February 19, 2013, 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 evaluated achievement of the performance criteria on February 19, 2014 and, based on that assessment, determined the actual number of PSUs. The PSUs vest in three equal installments on each of March 1, 2014, March 1, 2015 and March 1, 2016.

Karla Rogers, as attorney-in-fact for Thomas H. Werner 03/04/2014

** Signature of Reporting Person

Date

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

- * 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.

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