FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* BOYNTON CHARLES D					2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [SPWR]						(Che	elationship o ck all applica Director	able)	Persor	10% Ow	ner
(Last) (First) (Middle) C/O SUNPOWER CORPORATION 77 RIO ROBLES				3. Date of Earliest Transaction (Month/Day/Year) 02/19/2014							X Officer (give title below) Other (specify below) EVP & CFO					
(Street) SAN JOSE CA 95134 (City) (State) (Zip)				4. If Amendment, Date of Original Filed (Month/Day/Year)						Line)	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
Table I - Non-Deriva 1. Title of Security (Instr. 3) 2. Transa Date (Month/D						3. Transaction Code (Instr	4. Securiti	es Acquired Of (D) (Insti	d (A) or	5. Amount of Securities Beneficially Owned Follow Reported		Form: Dire (D) or Indi (I) (Instr. 4		. Nature of indirect seneficial ownership nstr. 4)		
	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	Exercise (Month/Day/Year) ce of rivative	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amou of Securities Underlying Derivative Securit (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	y [0	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
Performance- Based Restricted Stock Units (PSUs)	(1)	02/19/2014		A		96,108		(2)	(2)	Common Stock	96,108	\$0	96,108		D	

Explanation of Responses:

- 1. Each PSU represents a contingent right to receive one share of the Issuer's Common Stock upon vesting.
- 2. 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 will vest in three equal installments on each of March 1, 2014, March 1, 2015 and March 1, 2016.

<u>Karla Rogers</u>, as attorney-infact for Charles Boynton

02/21/2014

** 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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