FORM 4

obligations may continue. See Instruction 1(b).

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

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

Name and Address of Reporting Person* Wenger Howard						2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [SPWRA]											ationship of Reporting (all applicable) Director Officer (give title		g Per	p Person(s) to Issuer 10% Owner Other (specif	
	(First) (Middle) UNPOWER CORPORATION ORTH FIRST STREET					3. Date of Earliest Transaction (Month/Day/Year) 02/11/2010											below) below) President, U&PP				
(Street) SAN JOS (City)		tate)	95134 (Zip)			4. If Amendment, Date of Original Filed (Month/Day/Year)								Li	ne) X	′					
		Tab	le I - No	n-Deriv	ative	e Se	curit	ies Ac	qui	ired, [Disp	osed o	of, o	r Ber	neficia	ally	Owned	i			
1. Title of Security (Instr. 3)			Date	2. Transaction Date (Month/Day/Year)		2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Code (Instr.			4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				4 and Securit Benefic Owned		es ally Following	Forn (D) o	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership	
									[Code	v	Amount		(A) or (D)	Price		Reporte Transac (Instr. 3	tion(s)	on(s)		(Instr. 4)
Class A Common Stock 02/1				02/11	/2010	2010			М		5,000	0	A	\$()	65	,161		D		
Class A Common Stock			02/11	/2010					F		1,834	4	D	\$20	.22 63		,327		D		
		Т	able II -									sed of onverti					wned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deem Execution if any (Month/Da	Date,	4. Transactior Code (Instr. 3)				Exp	Date Exe Diration I Donth/Day	Date		7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)			De Se (In	B. Price of Derivative Gecurity Instr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transactio (Instr. 4)	ly	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					Code	v	(A)	(D)	Date Exe	e ercisable		epiration	Title		Amount or Number of Shares						
Restricted Stock Units (RSUs)	(1)	02/11/2010			M			5,000		(2)		(2)	Con	ss A nmon ock	5,000		\$0	10,000	,	D	

Explanation of Responses:

- 1. Each RSU represents a contingent right to receive one share of the Issuer's Class A Common Stock upon vesting,
- 2. The RSUs shall vest in three equal installments on each of February 11, 2010, February 11, 2011 and February 11, 2012.

Remarks:

Donald T. Rozak, Jr., CP, as attorney-in-fact for Howard

02/16/2010

Wenger

** 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.

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.