FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washing

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

ton, D.C. 20549	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* MCDANIEL THOMAS R						2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [SPWRA]								Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner						
	Last) (First) (Middle) C/O SUNPOWER CORPORATION 8939 NORTH FIRST STREET							3. Date of Earliest Transaction (Month/Day/Year) 05/11/2010								Officer (give title Other (speci below) below)				
(Street) SAN JOSE CA 95134					- 4. 1 -	4. If Amendment, Date of Original Filed (Month/Day/Year)								Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person						
(City)	(S	tate)	(Zip)																	
		Tal	ole I - Nor	ı-Deriv	vativ	e Se	curitie	es Acc	quired,	Disp	osed o	f, or Ber	eficiall	y Owned						
1. Title of Security (Instr. 3) 2. Transa Date (Month/D					ear)	2A. Deemed Execution Date, if any (Month/Day/Year)		Transaction Disposed Code (Instr. 5)		ties Acquired (A) or d Of (D) (Instr. 3, 4 ar		Beneficia Owned F	s Illy ollowing	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)				
									Code	v	Amount	(A) or (D)	Price	Transact	Reported Transaction(s) (Instr. 3 and 4)			(instr. 4)		
Class A Common Stock 05/11/				1/201	/2010		М		3,597 A		\$0	8,7	8,743		D					
			Table II -									or Bene ole secu		Owned						
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	e (Month/Day/Year)	3A. Deemed Execution D if any (Month/Day/	Oate, T C /Year) 8	4. Transaction Code (Instr. 8)		Derivative		6. Date Exercisa Expiration Date (Month/Day/Yea		9	7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficial Owned Following Reported	e s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership t (Instr. 4)		
					Code	v	(A)	(D)	Date Exercisal		Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)	on(s)				
Restricted Stock Units (RSUs)	(1)	05/11/2010			A		3,597		(2)		(2)	Class A Common Stock	3,597	\$0	3,597	7	D			
Restricted Stock Units	(1)	05/11/2010			М			3,597	(2)		(2)	Class A Common Stock	3,597	\$0	0		D			

Explanation of Responses:

- 1. Each RSU represents a contingent right to receive one share of the Registrant's Class A Common Stock once vested.
- 2. The RSUs were automatically granted and vested immediately on May 11, 2010 under the non-employee director compensation policy approved and adopted by Issuer's Board of Directors on August 6, 2009.

Remarks:

Donald T. Rozak, Jr., CP, as 05/13/2010 attorney-in-fact for Thomas R. **McDaniel**

** 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.