## FORM 5

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

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

**OWNERSHIP** 

Washington,	D.C.	20549

ANNUAL STA	TEMENT OF	CHANGES	IN BENEFICI

OMB APP	B APPROVAL						
OMB Number:	3235-0362						
Estimated average b	urden						

Instruction 1(b).

Form 3	Holdings Repo	rted.						_						llion	irs per i	esponse.	1.
Form 4	Transactions F	eported.	File	ed pursuant to or Section					rities Excha ompany Ac								
1. Name and Address of Reporting Person*  MCDANIEL THOMAS R			2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [ SPWRA ]						ck all app	ship of Reporting Pe applicable) irector		erson(s) to Issuer 10% Owner					
(Last)	(Fir	st) (I	Middle)		3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 01/03/2010					Office below	er (give title v)			Other (specify below)			
	RTH FIRST			4. If Amen	dment	, Date	of Origi	inal File	ed (Month/D	Day/Yea	r)		lividual o	r Joint/Gro	up Fili	ng (Check	Applicable
(Street) SAN JOSE CA 95134				_						Line)  X Form filed by One Reporting Person Form filed by More than One Reporting Person							
(City)	(Sta	ate) (2	Zip)														
		Tabl	e I - Non-Deriv	ative Sec	uritie	s Ac	quire	d, Di	sposed	of, or	Benefic	cially	/ Owne	ed			
1. Title of Se	ecurity (Instr. 3	)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any	3. Transaction Code (Instr. 8)						Securities Beneficially			6. Ownership Form: Direct	ership : Direct	7. Nature of Indirect Beneficial	
			(Month/Day/	(Month/Day/Year)			Amou	nt	(A) or (D)	Price		Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)		(D) or Indirect (I) (Instr. 4)	ect (I)	Ownership (Instr. 4)	
Class A C	Common Sto	ck	08/14/2009			G5		3	,000	D	\$0		5,740			D	
Class A Common Stock 08/14/2		08/14/2009	G5		5	1	,826	D	D \$0		3,914			D			
Class A Common Stock		08/14/2009			G5		3	,000	A	\$0		5,000				Held in Trust <sup>(1)</sup>	
Class A Common Stock		08/14/2009			G5		1	,826	A \$0			6,826				Held in Trust <sup>(1)</sup>	
Class A Common Stock		11/20/2009			G5		2	,014	D \$0			1,900		D			
Class A Common Stock		11/20/2009			G5		2	,014	A	A \$0		8,840				Held in Trust <sup>(1)</sup>	
		Та	ble II - Derivat (e.g., p	ive Secur uts, calls,									wned				
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. Transaction Code (Instr. 8)	of Deriv Secu Acqu (A) or Dispo	ivative urities uired or poosed b) tr. 3, 4 5)		ate Exercisable and ration Date hth/Day/Year)  Expiration cisable Date		Amor Secu Unde Deriv Secu and 4	rity (Instr.	De Se (In	Price of erivative scurity security security send Following Reporte Transac (Instr. 4		e S Illy	10. Ownershi Form: Direct (D) or Indirec (I) (Instr. 4	Benefici Ownersl t (Instr. 4)

**Explanation of Responses:** 

1. Shares held of record by the McDaniel Trust dtd 7/26/2000 (the "Trust") of which Mr. McDaniel and his wife are co-trustees. Each trustee has independent control and voting power over the Trust.

## Remarks:

Donald T. Rozak, Jr., CP, as attorney-in-fact for Thomas R. 03/17/2010 **McDaniel** 

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.