Instruction 1(b).

FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Check this box if no longer subject to	STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Section 16. Form 4 or Form 5	
obligations may continue. See	

	OMB APPROVAL								
	OMB Number:	3235-0287							
	Estimated average b	urden							
-	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

1. Name and Address of Reporting Person*  PAPE JAMES S					2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [ SPWRA ]							eck all applic	able)	g Pers	on(s) to Issu 10% Ow Other (s	ner
(Last) (First) (Middle) C/O SUNPOWER CORPORATION					Date o		Trans	action (Mont	h/Day/Year)		x below)			below)		
3939 NORTH FIRST STREET  (Street) SAN JOSE CA 95134				4.	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				
(City)	(St	•	(Zip) 	rivativ	e Se	curities	s Ac	auired. Di	sposed	of. or Be	neficial	lv Owned				
1. Title of Security (Instr. 3) 2. Tran Date			ınsactior			3. Transactio	4. Secur Dispose tr. 5)	ocurities Acquired (A) or osed Of (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)		6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		. Nature of Indirect Beneficial Ownership Instr. 4)		
		-	Гable II - Deri (e.g.					uired, Dis , options,				Owned	,		,	
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	e (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Yea	4. Transaction Code (Instr. 8)				6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s (Instr. 4)		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
Restricted Stock Units (RSUs)	(1)	05/03/2010		A		60,000		(2)	(2)	Class A Common Stock	60,000	\$0	60,000	)	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 vest in three equal installments on each of March 1, 2011, March 1, 2012 and March 1, 2013.

## Remarks:

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

05/05/2010

**Pape** 

\*\* 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.