FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Machinaton	$D \subset$	20540	
Washington,	D.C.	20549	

wasnington,	D.C. 20549	

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

Check this box if no longer subj	ect to
Section 16. Form 4 or Form 5	
obligations may continue. See	
Instruction 1(h)	

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

hours per response: 0.5

1. Name and Address of Reporting Person*  LEDESMA BRUCE						2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [ SPWRA ]									tionship of Reportir all applicable) Director Officer (give title		10% Ov Other (s		wner	
(Last) (First) (Middle) C/O SUNPOWER CORPORATION						3. Date of Earliest Transaction (Month/Day/Year) 05/03/2010									below)	VP, GC and Corp		below)		
3939 NORTH FIRST STREET						4 If Amendment Date of Original Filed (Month/Dec/A/s-s-)							-	6. Individual or Joint/Group Filing (Check Applicable						
(Street)	SE CA	A	95134		4. "								ine) X					n		
(City)	(Si	ate)	(Zip)												1 013011					
		Tab	le I - Nor	n-Deriv	ative	e Se	curities	s Ac	quired,	Dis	osed o	f, or Be	nefici	ally	Owned					
1. Title of Security (Instr. 3) 2. Transa Date (Month/D					Execution Date,		3. Transaction Code (Instr. 8) 4. Securities Acquired (A Disposed Of (D) (Instr. 3, 5)			4 and Securi		es Fo ially (D Following (I)		: Direct · Indirect str. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)					
						Code			Code	v	Amount	Amount (A) or (D)		:e	Transaction(s) (Instr. 3 and 4)				(111511. 4)	
		٦	Гable II -						uired, D , option						Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemee Execution I if any (Month/Day	Date, T			6. Date Exercisable and Expiration Date (Month/Day/Year)  7. Title and Amo of Securities Underlying Derivative Secu (Instr. 3 and 4)				ties ng e Securi	Derivative Security		9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisabl		Expiration Date	Title	Amou or Numb of Share	er						
Restricted Stock Units (RSUs)	(1)	05/03/2010			A		25,000		(2)		(2)	Class A Common Stock	25,00	00	\$0	25,000	0	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 Bruce R.

05/05/2010

Ledesma

\*\* 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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