FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C.	20549
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

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* NEESE MARTY T						2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [SPWRA]									k all applic Directo	tionship of Reporting all applicable) Director Officer (give title		on(s) to Issi 10% Ov Other (s	/ner
(Last) (First) (Middle) C/O SUNPOWER CORPORATION 3939 NORTH FIRST STREET						Date (7/02/2		est Trans	saction (M	lonth/l	Day/Year)	X	below) below) Chief Operating Officer						
(Street) SAN JOS (City)			95134 (Zip)		_ 4. l	4. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Appl Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person										1			
		Tab	le I - No	n-Deriv	vativ	e Se	curit	ies Ac	quired	, Dis	posed c	f, or B	enefi	cially	Owned				
			2. Trans Date (Month/	ear)	if any	emed ion Date, //Day/Yea	Code (Instr.		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)			4 and Securitie Benefici Owned F		es ally Following	Form (D) o	n: Direct r Indirect istr. 4)	7. Nature of Indirect Beneficial Ownership		
									Code	v	Amount	(A) (D)	r Pri	ice	Reported Transaction(s) (Instr. 3 and 4)				(Instr. 4)
Class A C	Common St	ock		07/02	2/201	0			М		16,66	6 A		\$0	28,	8,801 D			
Class A C	Common Sto	ock		07/02	2/201	0			F		6,114	l D	\$	12.81	1 22,687 D				
		-	Table II -								osed of, converti				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemec Execution I if any (Month/Day	Date,	4. Transa Code (8)		of		6. Date Exercisa Expiration Date (Month/Day/Yea		9	7. Title and Amor of Securities Underlying Derivative Secur (Instr. 3 and 4)		5	. Price of erivative ecurity nstr. 5)	9. Number derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4)	s Illy	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)
					Code	code V		(D)	Date Exercisa		Expiration Date	Title	Amo or Num of Shai	nber					
Restricted Stock Units (RSUs)	(1)	07/02/2010			M			16,666	(2)		(2)	Class A Commor Stock	16,0	666	\$0	16,668	В	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 July 2, 2009, July 2, 2010 and July 2, 2011.

Remarks:

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

07/06/2010

Neese

** 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.