FORM 4

obligations may continue. See Instruction 1(b).

Check this box if no longer subject to Section 16. Form 4 or Form 5

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden 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* NEESE MARTY T							2. Issuer Name and Ticker or Trading Symbol SUNPOWER CORP [SPWR]											ationship of Reporting all applicable) Director Officer (give title		rson(s) to Iss 10% Ov Other (s	wner	
(Last) (First) (Middle) C/O SUNPOWER CORPORATION 77 RIO ROBLES							of Earli 2012	est Tran	nsacti	tion (Mo	nth/[Day/Year)		X	below) below) Chief Operating Officer							
(Street) SAN JOS (City)		tate)	95134 (Zip)		,				e of Original Filed (Month/Day/Year)							ine) X	X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Tab	le I - Nor			_			<u> </u>		Disp					_	Owned	<u> </u>				
D			Date	2. Transaction Date (Month/Day/Year			emed ion Date /Day/Yea	•,				rities Acquired (A) ed Of (D) (Instr. 3, 4			4 and Securit Benefic Owned		es ally Following	Forn (D) o	n: Direct or Indirect nstr. 4)	7. Nature of Indirect Beneficial Ownership		
											v	Amount		(A) or (D)	Price	•	Reporte Transac (Instr. 3	tion(s)			(Instr. 4)	
Common Stock 02/1				02/11	/2012	2				M		2,50	1	A	\$	0	4,383		D			
Common Stock				02/13	3/2012	2				F ⁽¹⁾		1,04	8	D	\$7.	\$7.83		3,335		D		
		Т	able II -									sed of onverti					wned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Da	Date,	1. Fransaction Code (Instr 3)		of Deri Sec Acq (A) Disp	oosed D) tr. 3, 4	Exp	Date Exe piration I ponth/Day	Date		7. Title and Amount of Securities Underlying Derivative Secur (Instr. 3 and 4)		Security	De Se (In	3. Price of Derivative Security Instr. 5)	9. Number derivative Securities Beneficiall Owned Following Reported Transactio (Instr. 4)	e O s Fe ally D or	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					Code	ode V		(D)	Date Exe	e ercisable		xpiration ate	Title		Amoun or Numbe of Shares	r						
Restricted Stock Units (RSUs)	(2)	02/11/2012			M			2,501		(3)		(3)		nmon ock	2,501		\$0	0		D		

Explanation of Responses:

- 1. Disposition of shares exempt under Rule 16b-3 as payment of tax liability to Company by delivery or withholding securities incident to vesting of restricted stock shares.
- 2. Each RSU represents a contingent right to receive one share of the Issuer's Common Stock upon vesting.
- 3. The RSUs shall vest in three equal installments on each of February 11, 2010, February 11, 2011 and February 11, 2012.

Remarks:

Karla Rogers, as attorney-infact for Marty T. Neese

02/14/2012

** 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.