FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

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

	OMB APPRO	VAL
	OMB Number:	3235-0287
l	Estimated average burde	en
l	hours per response:	0.5

5. Relationship of Reporting Person(s) to Issuer

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

1. Name and Address of Reporting Person

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

2. Issuer Name and Ticker or Trading Symbol

BUFE UWE-ERNST					$\frac{ S }{ S }$	SUNPOWER CORP [SPWRA]								1		Director		10% Ov	ner
	NPOWER C	CORPORATION	(Middle)			3. Date of Earliest Transaction (Month/Day/Year) 05/11/2010								Officer below)	cer (give title ow)		Other (s below)	specify	
3939 NC	ORTH FIRS	T STREET			4.	4. If Amendment, Date of				f Original Filed (Month/Day/Year)					6. Individual or Joint/Group Filing (Check Applicabl Line)				
(Street)	SE C.	A	95134										2	Form filed by One Reporting Person Form filed by More than One Reporting Person					
(City)	(S	tate)	(Zip)																
		Tal	ole I - No	n-Deri	vativ	e Se	curiti	es Ac	quired,	Dis	posed o	f, or E	Bene	ficiall	y Owned				
1. Title of Security (Instr. 3)				2. Transaction Date (Month/Day/Year)		Execution Date,		Transaction Dispo			4. Securities Acquired (A) of Disposed Of (D) (Instr. 3, 4					6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
									Code	v	Amount	(A) (D)	or	Price	Transact (Instr. 3 a	ion(s)			(IIISU. 4)
Class A C	Common St	ock		05/1	1/201	2010		М		1,000	1	4	\$0	7,4	448		D		
Class A Common Stock			05/1	1/201	1/2010					300	I)	\$15.29	7,1	7,148		D		
Class A C	ass A Common Stock			05/1	05/11/2010				M		2,597	1	A	\$ <mark>0</mark>	9,7	9,745		D	
Class A C	Common St	ock		05/1	.1/201	.0			F		780 D \$		\$15.29	8,9	965		D		
			Table II -								osed of, onvertil				Owned				
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	te Execution Date, if any (Month/Day/Year) Transaction Code (Instr. 8) Secu Acqu or Dit		Deriva Secur Acqui or Dis	ities ired (A) sposed (Instr.	6. Date E Expiration (Month/E		7. Title and Amount of Securities Underlying Derivative Sec (Instr. 3 and 4)		mount	8. Price of Derivative Security (Instr. 5)	9. Numbe derivative Securities Beneficia Owned Following Reported Transacti (Instr. 4)	ve Ces Fally Cong () d tion(s)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)			
					Code	v	(A)	(D)	Date Exercisa		Expiration Date	Title	0	umber f hares					

Explanation of Responses:

(1)

(1)

(1)

05/11/2010

05/11/2010

05/11/2010

- 1. Each RSU represents a contingent right to receive one share of the Registrant's Class A Common Stock once vested.
- 2. Following the May 11, 2009 grant date, the RSUs vest in equal quarterly installments over a one-year period on each of August 11, 2009, November 11, 2009, February 11, 2010 and May 11, 2010.

2,597

1,000

2,597

(2)

(3)

(3)

3. The RSUs were automatically granted and vested immediately on May 11, 2010 under the non-employee director compensation policy approved and adopted by Issuer's Board of Directors on August 6, 2009.

Remarks:

Restricted

Stock Units

(RSUs) Restricted

Stock Units

(RSUs) Restricted

Stock

Units

(RSUs)

Donald T. Rozak, Jr., CP, as 05/13/2010 attorney-in-fact for Uwe-Ernst **Bufe**

** Signature of Reporting Person

Class A

Common Stock

Class A

Common Stock

Class A

Common

Stock

1,000

2,597

2,597

\$<mark>0</mark>

\$<mark>0</mark>

\$<mark>0</mark>

0

2,597

0

D

D

D

(2)

(3)

(3)

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).

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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.