Armstrong Bill G Form 4 January 04, 2011

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

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

obligations

January 31, Expires:

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

. Name and Address of Reporting Person **Armstrong Bill G	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer		
	ENERGIZER HOLDINGS INC [ENR]	(Check all applicable)		
(Last) (First) (Middle) 138 PARKSIDE DRIVE	3. Date of Earliest Transaction (Month/Day/Year) 12/31/2010	_X_ Director 10% Owner Officer (give title below) Other (specification)		
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)_X_ Form filed by One Reporting Person		
ST. AUGUSTINE, FL 32095		Form filed by More than One Reporting Person		

(City)	(Stata)	(Zip)	
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any	3. Transaction Code	4. Securit onAcquired Disposed	(A) or	5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial
		(Month/Day/Year)	(Instr. 8) Code V	(Instr. 3, 4) Amount	(A) or (D) Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Energizer Holdings, Inc.						1,000	D	

Common

Stock

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number on f Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisab Expiration Date (Month/Day/Year		7. Title and Ame Underlying Secu (Instr. 3 and 4)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title A Or N
Phantom Stock Units in Deferred Compensation Plan	\$ 0	12/31/2010		A	295 (1)	<u>(2)</u>	<u>(2)</u>	Energizer Holdings, Inc. Common Stock
Phantom Stock Units in Deferred Compensation Plan	\$ 0	12/31/2010		A	393 (<u>3)</u>	<u>(2)</u>	<u>(2)</u>	Energizer Holdings, Inc. Common Stock
Phantom Stock Units in Deferred Compensation Plan	\$ 0	12/31/2010		A	1,372 (4)	<u>(2)</u>	<u>(2)</u>	Energizer Holdings, Inc. Common Stock
Non-Qualified Stock Option 1/25/05	\$ 55.2					01/25/2006(5)	01/24/2015	Energizer Holdings, Inc. Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships						
r	Director	10% Owner	Officer	Other			
Armstrong Bill G 138 PARKSIDE DRIVE	X						
ST. AUGUSTINE, FL 32095							

Signatures

BILL G ARMSTRONG 01/04/2011

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**Signature of Reporting Person Date

Explanation of Responses:

- * 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).
- (1) Deferral of annual retainer and meeting fees into ENR Stock Equivalent Fund of Deferred Compensation Plan.
- (2) Phantom stock units are payable in cash following termination of the Reporting Person's Service on the Board of Directors of Energizer Holdings, Inc.
- (3) Company match with respect to deferrals made during 2010, under the terms of the Deferred Compensation Plan.
- (4) Annual grant of ENR stock equivalents valued at \$100,000 in Deferred Compensation Plan which is credited each year as of December 31st.
- (5) Exercisable at a rate of 20% per year commencing January 25, 2006.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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