SPEDDEN ELWOOD

Form 4 August 14, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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obligations

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).

(C:+-)

(Ctota)

(7:n)

(Print or Type Responses)

1. Name and Address of Reporting Person * SPEDDEN ELWOOD			2. Issuer Name and Ticker or Trading Symbol ADVANCED ENERGY INDUSTRIES INC [AEIS]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last) (First) (Middle) 1625 SHARP POINT DRIVE		` ,	3. Date of Earliest Transaction (Month/Day/Year) 08/13/2009	X Director 10% Owner Officer (give title below) Other (specify below)			
(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			
FORT COLLI	NS, CO 805	25		Form filed by More than One Reporting Person			

(City)	(State) (Table Table	e I - Non-D	erivative	Secur	ities Acqu	iired, Disposed of	, or Beneficiall	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties A	equired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transaction(A) or Disposed of (D)			Securities	Form: Direct	Indirect	
(Instr. 3)		any	Code	(Instr. 3,	4 and	5)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
					(4)		Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	08/13/2009		S	5,800	D	\$ 10.7	2,200 (1)	D	
Common Stock	08/13/2009		S	200	D	\$ 10.71	2,000 (1)	D	

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	2. Conversion	3. Transaction Date (Month/Day/Year)		4. Transacti	5. onNumber	6. Date Exerc Expiration D		7. Title Amount		8. Price of Derivative	9. Nu Deriv
Security (Instr. 3)	or Exercise Price of Derivative Security	(Month Day/Tear)	(Month/Day/Year)	Code (Instr. 8)	of	(Month/Day/ e		Underly Securitic (Instr. 3	ring es	Security (Instr. 5)	Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title N	Number		

Reporting Owners

Reporting Owner Name / Address	Relationships						
r	Director	10% Owner	Officer	Other			
SPEDDEN ELWOOD 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525	X						

Signatures

Thomas O. McGimpsey - 08/14/2009 Attorney-in-Fact

**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).

Mr. Spedden has been granted a total of 30,000 restricted stock units in four grants: (A) 2,000 restricted stock units granted on May 24, 2006 which vest annually in four equal installments beginning on May 24, 2007 (1,500 of which have vested as of this filing); (B) 16,000 restricted stock units on May 2, 2007 which vest annually in four equal installments beginning on May 2, 2008 (8,000 of which have

(1) vested as of this filing); (C) 6,000 restricted stock units on May 7, 2008 which vest annually in four equal installments beginning on May 7, 2009 (1,500 of which have vested as of this filing); and (D) 6,000 restricted stock units on May 6, 2009 which vest annually in four equal installments beginning on May 6, 2010 (none of which have vested as of this filing). As of this filing, 1,000 of the vested restricted stock units are held as well as 1,000 shares of common stock.

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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