SCHATZ DOUGLAS S

Form 4

December 29, 2009

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Expires:

January 31, 2005

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response...

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

obligations

may continue.

See Instruction

Check this box

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

30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

ADVANCED ENERGY INDUSTRIES INC [AEIS]

(Check all applicable)

(Last)

(First) (Middle) 3. Date of Earliest Transaction

Director Officer (give title below)

X__ 10% Owner _ Other (specify

PO BOX 481

12/28/2009

6. Individual or Joint/Group Filing(Check

4. If Amendment, Date Original

(Month/Day/Year)

Applicable Line) Form filed by One Reporting Person _X_ Form filed by More than One Reporting

Person

(2)(3)

Stock

(Street) Filed(Month/Day/Year)

FORT COLLINS, CO 80522

(City)	(State)	(Zip) Tab	le I - Non-l	Derivative	Secu	rities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		sed of	` '	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	12/28/2009		S	100	D	\$ 14.48	6,920,528 <u>(1)</u> (2) <u>(3)</u>	D	
Common Stock	12/28/2009		S	213	D	\$ 14.48	6,920,315 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	12/28/2009		S	3	D	\$ 14.49	6,920,312 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	12/28/2009		S	363	D	\$ 14.55	6,919,949 <u>(1)</u> (2) <u>(3)</u>	D	
Common	12/28/2009		S	100	D	\$ 14.56	6,919,849 <u>(1)</u>	D	

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Common Stock	12/28/2009	S	2,600	D	\$ 14.57	6,917,249 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/28/2009	S	200	D	\$ 14.5725	6,917,049 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/28/2009	S	1,700	D	\$ 14.573	6,915,349 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	1,300	D	\$ 14.576	6,914,049 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/28/2009	S	413	D	\$ 14.58	6,913,636 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	370	D	\$ 14.6	6,913,266 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	500	D	\$ 14.604	6,912,766 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/28/2009	S	30	D	\$ 14.61	6,912,736 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	200	D	\$ 14.6135	6,912,536 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	100	D	\$ 14.615	6,912,436 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	600	D	\$ 14.6212	6,911,836 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	100	D	\$ 14.65	6,911,736 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/28/2009	S	1,400	D	\$ 14.658	6,910,336 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	100	D	\$ 14.66	6,910,236 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	1,000	D	\$ 14.6612	6,909,236 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/28/2009	S	300	D	\$ 14.668	6,908,936 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/28/2009	S	300	D	\$ 14.6685	6,908,636 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	184	D	\$ 14.68	6,908,452 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	300	D	\$ 14.6901	6,908,152 <u>(1)</u> (2) (3)	D
Common Stock	12/28/2009	S	300	D	\$ 14.6925	6,907,852 <u>(1)</u> (2) (3)	D
	12/28/2009	S	200	D	\$ 14.694		D

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Common Stock						6,907,652 <u>(1)</u> (2) (3)	
Common Stock	12/28/2009	S	300	D	\$ 14.696	6,907,352 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/28/2009	S	100	D	\$ 14.698	6,907,252 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/28/2009	S	200	D	\$ 14.699	6,907,052 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/28/2009	S	500	D	\$ 14.7	6,906,552 <u>(1)</u> (2) <u>(3)</u>	D

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

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SEC 1474 (9-02)

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. Transacti Code (Instr. 8)	5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
. 0	Director	10% Owner	Officer	Other			
SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST PO BOX 481 FORT COLLINS, CO 80522		X					
SCHATZ DOUGLAS S P.O. BOX 481 FORT COLLINS, CO 80522	X						
		X					

Reporting Owners 3

Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522

Signatures

/S/ Thomas O. McGimpsey (Attorney-in-Fact)

12/29/2009

**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) These shares are owned directly by Douglas S. Schatz & Jill E. Schatz Family Trust, a ten percent owner of the issuer, and indirectly by Douglas S. Schatz and Jill E. Schatz, co-trustees of the trust.
- (2) Includes 26,350 shares of restricted stock units held directly by Douglas S. Schatz, who is a director of the Issuer.
- (3) The Sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 Plan.

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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