SCHATZ DOUGLAS S

Check this box

if no longer

subject to

Section 16.

Form 4 or

obligations

Form 5

Form 4

October 15, 2009

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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)

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

2. Issuer Name and Ticker or Trading

Symbol

ADVANCED ENERGY INDUSTRIES INC [AEIS] 5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

(Last) (First) (Middle)

(Street)

3. Date of Earliest Transaction (Month/Day/Year) 10/12/2009

_X__ 10% Owner Director _ Other (specify Officer (give title

(Check all applicable)

PO BOX 481

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

Form filed by One Reporting Person _X_ Form filed by More than One Reporting

Person

below)

FORT COLLINS, CO 80522

(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 (Month/Day/Year)	Code (Instr. 8)	Transaction Disposed of (D) Code (Instr. 3, 4 and 5)			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	10/12/2009		Code V S	Amount 100	(D)	Price \$ 13.92	7,771,097 (1) (2) (3)	D		
Common Stock	10/12/2009		S	500	D	\$ 13.9201	7,770,597 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D		
Common Stock	10/12/2009		S	100	D	\$ 13.9207	7,770,497 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D		
Common Stock	10/12/2009		S	600	D	\$ 13.93	7,769,897 <u>(1)</u> (2) (3)	D		
Common Stock	10/12/2009		S	100	D	\$ 13.9314	7,769,797 <u>(1)</u> (2) (3)	D		

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Common Stock	10/12/2009	S	100	D	\$ 13.94	7,769,697 (1) (2) (3)	D
Common Stock	10/12/2009	S	500	D	\$ 13.948	7,769,197 <u>(1)</u> (2) (3)	D
Common Stock	10/12/2009	S	16	D	\$ 14.01	7,769,181 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	400	D	\$ 14.0101	7,768,781 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	101	D	\$ 14.0133	7,768,680 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	1,000	D	\$ 14.018	7,767,680 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	700	D	\$ 14.07	7,766,980 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	100	D	\$ 14.0714	7,766,880 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	400	D	\$ 14.0725	7,766,480 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	200	D	\$ 14.075	7,766,280 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.08	7,765,780 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.09	7,765,280 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.114	7,764,780 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.12	7,764,280 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.1225	7,763,780 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	900	D	\$ 14.13	7,762,880 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.1365	7,762,380 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	2,500	D	\$ 14.14	7,759,880 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	100	D	\$ 14.1401	7,759,780 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	300	D	\$ 14.1407	7,759,480 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
	10/12/2009	S	500	D			D

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Common Stock					\$ 14.1414	$7,758,980 \ \underline{\overset{(1)}{\underline{(2)}}} \ \underline{\overset{(3)}{\underline{(3)}}}$	
Common Stock	10/12/2009	S	900	D	\$ 14.1425	7,758,080 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.1427	7,757,580 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	500	D	\$ 14.144	7,757,080 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	10/12/2009	S	300	D	\$ 14.145	7,756,780 <u>(1)</u> <u>(2)</u> <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)	4. Transactic Code (Instr. 8)	of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3,		ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
			Code V	4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
•	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)

10/14/2009

**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) The sales reported in this Form 4 were effected pursuant to Rule 10b5-1 trading plan adopted by the reporting persons on May 28, 2009.
- (2) 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.
- (3) Includes 26,350 shares of restricted stock units held directly by Douglas S. Schatz, who is a director of the Issuer.

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.

Signatures 4