#### SCHATZ DOUGLAS S

Form 4

December 24, 2009

### FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**OMB** Number:

3235-0287

Expires:

January 31, 2005

0.5

Estimated average burden hours per

**OMB APPROVAL** 

response...

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

obligations

Check this box

**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

5. Relationship of Reporting Person(s) to

Issuer

(Street)

ADVANCED ENERGY INDUSTRIES INC [AEIS]

(Check all applicable)

(Last)

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

(Month/Day/Year)

Filed(Month/Day/Year)

Director Officer (give title below)

\_X\_\_ 10% Owner \_ Other (specify

PO BOX 481

12/21/2009

4. If Amendment, Date Original

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

Form filed by One Reporting Person \_X\_ Form filed by More than One Reporting

Person

FORT COLLINS, CO 80522

(City)	(State)	(Zip) Tab	le I - Non-	Derivativ	e 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)	Code (Instr. 8)			5. Amount of 6.  Securities Ownership Beneficially Form: Owned Direct (D) Following or Indirect Reported (I) Transaction(s) (Instr. 4) (Instr. 3 and 4)		7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	12/21/2009		Code V S	Amount 1,700	(D)	Price \$ 13.44	7,032,502 (1) (2) (3)	D	
Common Stock	12/21/2009		S	100	D	\$ 13.45	7,032,402 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	12/21/2009		S	300	D	\$ 13.46	$7,032,102 \ \underline{\overset{(1)}{(2)}} \ \underline{\overset{(2)}{(3)}}$	D	
Common Stock	12/21/2009		S	900	D	\$ 13.47	7,031,202 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	12/21/2009		S	1,000	D	\$ 13.49	7,030,202 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	

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Stock	12/21/2009	S	1,400	D	\$ 13.53	(2) (3)	D
Common Stock	12/21/2009	S	700	D	\$ 13.54	$7,028,102 \ \underline{\overset{(1)}{(2)}} \ \underline{\overset{(2)}{(3)}}$	D
Common Stock	12/21/2009	S	3,300	D	\$ 13.55	7,024,802 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	3,372	D	\$ 13.57	7,021,430 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/21/2009	S	502	D	\$ 13.58	7,020,928 <u>(1)</u> (2) (3)	D
Common Stock	12/21/2009	S	200	D	\$ 13.59	7,020,728 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	700	D	\$ 13.6	7,020,028 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	626	D	\$ 13.61	7,019,402 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/21/2009	S	3,200	D	\$ 13.62	7,016,202 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/21/2009	S	2,100	D	\$ 13.63	7,014,102 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/21/2009	S	6,200	D	\$ 13.64	7,007,902 <u>(1)</u> (2) (3)	D
Common Stock	12/21/2009	S	2,000	D	\$ 13.6401	7,005,902 <u>(1)</u> (2) (3)	D
Common Stock	12/21/2009	S	200	D	\$ 13.645	7,005,702 <u>(1)</u> (2) (3)	D
Common Stock	12/21/2009	S	1,400	D	\$ 13.65	7,004,302 <u>(1)</u> (2) (3)	D
Common Stock	12/21/2009	S	400	D	\$ 13.66	7,003,902 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	600	D	\$ 13.67	7,003,302 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	900	D	\$ 13.68	7,002,402 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D
Common Stock	12/21/2009	S	200	D	\$ 13.69	7,002,202 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	3,800	D	\$ 13.75	6,998,402 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	1,100	D	\$ 13.76	6,997,302 <u>(1)</u> (2) <u>(3)</u>	D
	12/21/2009	S	100	D	\$ 13.77		D

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Common Stock						6,997,202 <u>(1)</u> (2) (3)	
Common Stock	12/21/2009	S	2,400	D	\$ 13.8146	6,994,802 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	600	D	\$ 13.82	6,994,202 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	4,000	D	\$ 13.827	6,990,202 <u>(1)</u> (2) <u>(3)</u>	D
Common Stock	12/21/2009	S	4,000	D	\$ 13.837	6,986,202 (1) (2) (3)	D

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

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 control number.

SEC 1474

(9-02)

9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transact Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	1	ate	7. Titl Amou Under Secur (Instr.	int of rlying	8. Price of Derivative Security (Instr. 5)	
				Code V	7 (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	Y						

Reporting Owners 3

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

### **Signatures**

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

12/23/2009

\*\*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.

Signatures 4