SCHATZ DOUGLAS S

Form 4

August 19, 2009

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

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SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations 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

Issuer

5. Relationship of Reporting Person(s) to

ADVANCED ENERGY INDUSTRIES INC [AEIS]

(Check all applicable)

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

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

PO BOX 481

08/17/2009 (Street) 4. If Amendment, Date Original

Applicable Line)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

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

Person

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) | 3. Transactic Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | | | |
| | | | Code V | Amount | | Price | (Instr. 3 and 4) | | | | | |
| Common Stock | 08/17/2009 | | S | 500 | D | \$ 9.85 | 8,291,855 (1) (2) (3) | D | | | | |
| Common Stock | 08/17/2009 | | S | 100 | D | \$ 9.8627 | 8,291,755 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D | | | | |
| Common Stock | 08/17/2009 | | S | 400 | D | \$ 9.875 | 8,291,355 <u>(1)</u> (2) (3) | D | | | | |
| Common Stock | 08/17/2009 | | S | 600 | D | \$ 9.89 | 8,290,755 <u>(1)</u> (2) <u>(3)</u> | D | | | | |
| Common Stock | 08/17/2009 | | S | 200 | D | \$ 9.8936 | 8,290,555 <u>(1)</u> (2) (3) | D | | | | |

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| Common Stock | 08/17/2009 | S | 200 | D | \$ 9.9 | 8,290,355 <u>(1)</u> (2) (3) | D |
|-----------------|------------|---|-------|---|-----------|---|---|
| Common Stock | 08/17/2009 | S | 500 | D | \$ 9.92 | 8,289,855 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 300 | D | \$ 9.94 | 8,289,555 <u>(1)</u> (2) <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 2,300 | D | \$ 9.95 | 8,287,255 <u>(1)</u> (2) <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 400 | D | \$ 9.955 | 8,286,855 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 1,496 | D | \$ 9.96 | 8,285,359 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 1,314 | D | \$ 9.97 | 8,284,045 <u>(1)</u> (2) <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 100 | D | \$ 9.9722 | 8,283,945 <u>(1)</u> (2) <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 300 | D | \$ 9.9725 | 8,283,645 <u>(1)</u> (2) <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 50 | D | \$ 9.9733 | 8,283,595 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 2,000 | D | \$ 9.975 | 8,281,595 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 2,405 | D | \$ 9.98 | 8,279,190 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 1,095 | D | \$ 9.9809 | 8,278,095 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 136 | D | \$ 9.9822 | 8,277,959 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 2,300 | D | \$ 9.9825 | 8,275,659 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 1,000 | D | \$ 9.985 | 8,274,659 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 2,100 | D | \$ 9.99 | 8,272,559 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 3,724 | D | \$ 10 | 8,268,835 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 1,000 | D | \$ 10.01 | 8,267,835 <u>(1)</u> <u>(2)</u> <u>(3)</u> | D |
| Common Stock | 08/17/2009 | S | 200 | D | \$ 10.03 | 8,267,635 <u>(1)</u> (2) (3) | D |
| | 08/17/2009 | S | 200 | D | | | D |

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| Common Stock | | | | | \$ 10.0336 | 8,267,435 <u>(1)</u> (2) <u>(3)</u> | |
|-----------------|------------|---|-----|---|---------------|--|---|
| Common Stock | 08/17/2009 | S | 100 | D | \$ 10.04 | 8,267,335 <u>(1)</u> (2) (3) | D |
| Common Stock | 08/17/2009 | S | 200 | D | \$ 10.24 | 8,267,135 <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. Transact Code (Instr. 8) | 5. orNumber 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 Owno 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 | | | | | | |
|---|----------|---------------|---------|-------|--|--|--|--|
| copyrous of the real of the control | 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 | | | | | | | |
| Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522 | | X | | | | | | |

Reporting Owners 3

Signatures

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

08/19/2009

**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