SCHATZ DOUGLAS S

Form 4 April 12, 2011

FORM 4

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

OMB 3235-0287 Number:

burden hours per

response...

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue. See Instruction

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 Add SCHATZ DC | • | ting Person * | 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 | X Director 10% Owner | | | | |
| DO DOW 40 | O DOV 401 | | (Month/Day/Year) | Officer (give title Other (speci below) | | | | |
| P.O. BOX 481 | | | 04/11/2011 | | | | | |
| | (Street) | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | | |
| | | | Filed(Month/Day/Year) | Applicable Line) | | | | |
| | | | | _X_ Form filed by One Reporting Person | | | | |
| FORT COLL | INS, CO 80 | 522 | | Form filed by More than One Reporting | | | | |

(Ctata)

(7:n)

(C:+-)

| (City) | (State) | (Zip) Tab | le I - Non- | Derivative | e Secu | rities Acqui | red, Disposed of, | or Beneficial | y Owned |
|--------------------------------------|---|---|--|---------------------------|--------|--------------|--|--|---|
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | Transactiom Dispose Code (Instr. 3, 4 (Instr. 8) | | | | 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 | 04/11/2011 | | S | 100 <u>(1)</u> <u>(2)</u> | (D) | \$ 15.1375 | 3,833,074 | I | By Trust |
| Common Stock | 04/11/2011 | | S | 100 <u>(1)</u> <u>(2)</u> | D | \$ 15.139 | 3,832,974 | I | By Trust |
| Common Stock | 04/11/2011 | | S | 2,900 (1) (2) | D | \$ 15.14 | 3,830,074 | I | By Trust |
| Common Stock | 04/11/2011 | | S | 800 <u>(1)</u> <u>(2)</u> | D | \$ 15.15 | 3,829,274 | I | By Trust |
| Common Stock | 04/11/2011 | | S | 500 <u>(1)</u> <u>(2)</u> | D | \$ 15.16 | 3,828,774 | I | By Trust |

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| Common Stock | 04/11/2011 | S | $\frac{501}{\frac{(1)}{2}}$ D | \$ 15.17 | 3,828,273 | I | By Trust |
|-----------------|------------|---|---|-----------|-----------|---|----------|
| Common Stock | 04/11/2011 | S | $\frac{200}{\stackrel{(1)}{\underline{(2)}}}$ D | \$ 15.175 | 3,828,073 | I | By Trust |
| Common Stock | 04/11/2011 | S | $\frac{400}{\cancel{(2)}}$ D | \$ 15.18 | 3,827,673 | I | By Trust |
| Common Stock | 04/11/2011 | S | $\frac{800 {}^{(1)}}{{}^{(2)}} D$ | \$ 15.2 | 3,826,873 | I | By Trust |
| Common Stock | 04/11/2011 | S | $\frac{400}{\cancel{(2)}}$ D | \$ 15.21 | 3,826,473 | I | By Trust |
| Common Stock | 04/11/2011 | S | $\frac{500}{(2)} \frac{(1)}{D}$ | \$ 15.22 | 3,825,973 | I | By Trust |
| Common Stock | 04/11/2011 | S | $\frac{100}{(2)} \frac{(1)}{D}$ | \$ 15.23 | 3,825,873 | I | By Trust |
| Common Stock | 04/11/2011 | S | $\frac{100}{\stackrel{(1)}{}}$ D | \$ 15.27 | 3,825,773 | I | By Trust |
| Common Stock | 04/11/2011 | S | 17 (1) (2) D | \$ 15.31 | 3,825,756 | I | By Trust |

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.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | Date Exer | cisable and | 7. Titl | le and | 8. Price of | |
|-------------|-------------|---------------------|--------------------|-----------|-----------------|-----------------------------|-------------|-----------|------------|-------------|--|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transac | ctionNumb | er Expiration D | Pate | Amou | int of | Derivative | |
| Security | or Exercise | | any | Code | of | (Month/Day | /Year) | Under | rlying | Security | |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8 | . 8) Derivative | ative | | | Securities | (Instr. 5) | |
| | Derivative | | | | Secur | ities | (Instr | (Instr. | 3 and 4) | | |
| | Security | Acquired | | | | | | | | | |
| | _ | | | | (A) or | r | | | | | |
| | | | | | Dispo | sed | | | | | |
| | | | | | of (D) |) | | | | | |
| | | | | | (Instr. | . 3, | | | | | |
| | | | | | 4, and | 15) | | | | | |
| | | | | | | ŕ | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | | or | | |
| | | | | | | Exercisable | Date | little Ni | Number | | |
| | | | | | | Zitoroisuoto | | | of | | |
| | | | | Code | V (A) | (D) | | | Shares | | |

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

SEC 1474

(9-02)

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

SCHATZ DOUGLAS S
P.O. BOX 481
X
FORT COLLINS, CO 80522

Signatures

/s/ Thomas O. McGimpsey (Attorney-in-Fact) 04/12/2011

Explanation of Responses:

**Signature of Reporting Person

- * 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).
- Douglas S. Schatz and Jill E. Schatz, husband and wife, are co-trustees of the Family Trust and may be deemed to be indirect beneficial owners of the shares of AEIS common stock held directly by the Family Trust. Douglas S. Schatz is a director of AEIS.

Date

(2) 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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