

ADVANCED ENERGY INDUSTRIES INC

Form 4

April 24, 2006

FORM 4
UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

Check this box
if no longer
subject to
Section 16.
Form 4 or
Form 5
obligations
may continue.
See Instruction
1(b).

**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
30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB
Number: 3235-0287
Expires: January 31,
2005
Estimated average
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(Print or Type Responses)

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

(Last) (First) (Middle)

P.O. BOX 481

(Street)

FORT COLLINS, CO 80522

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol
ADVANCED ENERGY
INDUSTRIES INC [AEIS]

3. Date of Earliest Transaction
(Month/Day/Year)
04/20/2006

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____X____ 10% Owner
____ Officer (give title below) ____ Other (specify below)

6. Individual or Joint/Group Filing(Check
Applicable Line)
____ Form filed by One Reporting Person
__X__ Form filed by More than One Reporting
Person

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. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (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 Ownership (Instr. 4) |
|---------------------------------------|---|---|---|---|--|--|--|
| | | | Code | V | Amount (A) or (D) | Price | |
| Common Stock | 04/20/2006 | | S | | 5,325 | D \$ 15.1 | 9,092,260 ⁽¹⁾ ₍₂₎ D |
| Common Stock | 04/20/2006 | | S | | 1,431 | D \$ 15.11 | 9,090,829 ⁽¹⁾ ₍₂₎ D |
| Common Stock | 04/20/2006 | | S | | 2,285 | D \$ 15.12 | 9,088,544 ⁽¹⁾ ₍₂₎ D |
| Common Stock | 04/20/2006 | | S | | 700 | D \$ 15.13 | 9,087,844 ⁽¹⁾ ₍₂₎ D |
| Common Stock | 04/20/2006 | | S | | 2,000 | D \$ 15.15 | 9,085,844 ⁽¹⁾ ₍₂₎ D |

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| | | | | | | | |
|--------------|------------|---|-------|---|----------|--|---|
| Common Stock | 04/20/2006 | S | 1,559 | D | \$ 15.16 | 9,084,285 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 200 | D | \$ 15.17 | 9,084,085 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 200 | D | \$ 15.19 | 9,083,885 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 200 | D | \$ 15.21 | 9,083,685 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 1,600 | D | \$ 15.22 | 9,082,085 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 1,400 | D | \$ 15.23 | 9,080,685 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 300 | D | \$ 15.24 | 9,080,385 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 300 | D | \$ 15.25 | 9,080,085 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 200 | D | \$ 15.26 | 9,079,885 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 600 | D | \$ 15.27 | 9,079,285 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 600 | D | \$ 15.28 | 9,078,685 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 300 | D | \$ 15.29 | 9,078,385 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 400 | D | \$ 15.3 | 9,077,985 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 500 | D | \$ 15.31 | 9,077,485 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 3,100 | D | \$ 15.35 | 9,074,385 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 5,200 | D | \$ 15.36 | 9,069,185 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 1,700 | D | \$ 15.37 | 9,067,485 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 300 | D | \$ 15.38 | 9,067,185 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 300 | D | \$ 15.4 | 9,066,885 ⁽¹⁾ ₍₂₎ | D |
| Common Stock | 04/20/2006 | S | 200 | D | \$ 15.41 | 9,066,685 ⁽¹⁾ ₍₂₎ | D |
| | 04/20/2006 | S | 1,000 | D | | | D |

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| | | | | | | | |
|--------|------------|---|-----|---|-------|--------------------------|---|
| Common | | | | | \$ | 9,065,685 ⁽¹⁾ | |
| Stock | | | | | 15.45 | ⁽²⁾ | |
| Common | 04/20/2006 | S | 500 | D | \$ | 9,065,185 ⁽¹⁾ | D |
| Stock | | | | | 15.46 | ⁽²⁾ | |
| Common | | | | | | 26,350 ⁽³⁾ | D |
| Stock | | | | | | | |

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)

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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Secur Bene Own Follo Repor Trans (Instr |
|---|--|---|---|--------------------------------------|--|--|---|---|---|
| | | | | Code | V (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 P.O. BOX 481 FORT COLLINS, CO 80522 | X |
| SCHATZ DOUGLAS S P.O. BOX 481 FORT COLLINS, CO 80522 | X X |
| Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522 | X |

Signatures

/s/ Mary K. Derr -
Attorney-in-Fact 04/24/2006

__Signature of Reporting Person Date

/s/ Mary K. Derr -
Attorney-in-Fact 04/24/2006

__Signature of Reporting Person Date

/s/ Mary K. Derr -
Attorney-in-Fact 04/24/2006

__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) Per Rule 10b5-1 Sales Plan.

(2) These shares are owned directly by the 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) Represents shares of restricted stock units held directly by Douglas S. Schatz.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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