

ADVANCED ENERGY INDUSTRIES INC  
 Form 4  
 April 22, 2005

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

OMB APPROVAL  
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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

(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  
 (Check all applicable)

(Last) (First) (Middle)  
 C/O LOCHLAND MANAGEMENT  
 COMPANY, P.O. BOX 481  
 (Street)

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 04/22/2005

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

FORT COLLINS, CO 80522

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

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

(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. 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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |   |
|                                 |                                      |  |                                | Code  | V   | Amount   |   |
| Common Stock                    | 04/22/2005                           |  | S                              | 11,600  | D   | \$ 10.15   | 10,646,182 (1) D                                      |
| Common Stock                    | 04/22/2005                           |  | S                              | 700   | D   | \$ 10.24   | 10,645,482 (1) D                                      |
| Common Stock                    | 04/22/2005                           |  | S                              | 9,200   | D   | \$ 10.25   | 10,636,282 (1) D                                      |
| Common Stock                    | 04/22/2005                           |  | S                              | 7,300   | D   | \$ 10.3  | 10,628,982 (1) D                                      |
| Common Stock                    | 04/22/2005                           |  | S                              | 100   | D   | \$ 10.31   | 10,628,882 (1) D                                      |

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Common Stock 04/22/2005 S 1,100 D \$ 10.32 10,627,782 (1) 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)

**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. Number of Derivative Securities Beneficially Owned Following Reported Transaction (Instr. 3) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|---|

## Reporting Owners

**Reporting Owner Name / Address**

**Relationships**

Director 10% Owner Officer Other

SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST  
C/O LOCHLAND MANAGEMENT COMPANY  
P.O. BOX 481  
FORT COLLINS, CO 80522

X

## Signatures

Michael El-Hillow -  
Attorney-in-Fact

04/22/2005

\*\*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 dated March 3, 2005.

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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