#### SCHATZ DOUGLAS S

Form 4

September 10, 2009

### FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB** 

**OMB APPROVAL** 

Number:

3235-0287

Expires:

January 31, 2005

0.5

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

obligations

may continue.

See Instruction

Check this box

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 Address of Reporting Person \* SCHATZ DOUGLAS S & SCHATZ

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

JILL E FAMILY TRUST

(Street)

ADVANCED ENERGY INDUSTRIES INC [AEIS]

(Check all applicable)

(Last)

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

Director Officer (give title below)

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

PO BOX 481

09/08/2009

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

Applicable Line)

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

6. Individual or Joint/Group Filing(Check

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<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3.<br>Transactic<br>Code<br>(Instr. 8) |           | sed of<br>4 and<br>(A)<br>or | ` '           | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
| Common<br>Stock                      | 09/08/2009                              |   | S                                      | 100       | D                            | \$<br>11.4109 | 8,055,121 <u>(1)</u><br><u>(2)</u> <u>(3)</u>  | D  |   |
| Common<br>Stock                      | 09/08/2009                              |   | S                                      | 200       | D                            | \$<br>11.4111 | 8,054,921 <u>(1)</u><br>(2) (3)  | D  |   |
| Common<br>Stock                      | 09/08/2009                              |   | S                                      | 200       | D                            | \$<br>11.4122 | 8,054,721 <u>(1)</u><br>(2) (3)  | D  |   |
| Common<br>Stock                      | 09/08/2009                              |   | S                                      | 1,304     | D                            | \$ 11.42      | 8,053,417 <u>(1)</u><br>(2) (3)  | D  |   |
| Common<br>Stock                      | 09/08/2009                              |   | S                                      | 100       | D                            | \$<br>11.4211 | 8,053,317 <u>(1)</u><br>(2) <u>(3)</u>   | D  |   |

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| Common<br>Stock | 09/08/2009 | S | 100   | D | \$<br>11.4225 | 8,053,217 <u>(1)</u><br>(2) (3)        | D |
|-----------------|------------|---|-------|---|---------------|--|---|
| Common<br>Stock | 09/08/2009 | S | 100   | D | \$ 11.425     | 8,053,117 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 2,720 | D | \$ 11.43      | 8,050,397 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 100   | D | \$<br>11.4309 | 8,050,297 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 600   | D | \$<br>11.4311 | 8,049,697 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 382   | D | \$ 11.435     | 8,049,315 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 920   | D | \$ 11.44      | 8,048,395 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 660   | D | \$ 11.45      | 8,047,735 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 100   | D | \$<br>11.4511 | 8,047,635 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 262   | D | \$ 11.46      | 8,047,373 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 1,000 | D | \$ 11.47      | 8,046,373 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 300   | D | \$<br>11.4711 | 8,046,073 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 2,700 | D | \$ 11.48      | 8,043,373 <u>(1)</u><br>(2) (3)        | D |
| Common<br>Stock | 09/08/2009 | S | 500   | D | \$<br>11.4811 | 8,042,873 <u>(1)</u><br>(2) (3)        | D |
| Common<br>Stock | 09/08/2009 | S | 1,900 | D | \$ 11.49      | 8,040,973 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 2,400 | D | \$ 11.5       | 8,038,573 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 200   | D | \$<br>11.5009 | 8,038,373 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 200   | D | \$<br>11.5011 | 8,038,173 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 100   | D | \$ 11.505     | 8,038,073 <u>(1)</u><br>(2) (3)        | D |
| Common<br>Stock | 09/08/2009 | S | 861   | D | \$ 11.51      | 8,037,212 <u>(1)</u><br>(2) <u>(3)</u> | D |
|                 | 09/08/2009 | S | 700   | D |               |  | D |

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| Common<br>Stock |            |   |       |   | \$<br>11.5111 | 8,036,512 (1)<br>(2) (3)               |   |
|-----------------|------------|---|-------|---|---------------|--|---|
| Common<br>Stock | 09/08/2009 | S | 39    | D | \$ 11.515     | 8,036,473 <u>(1)</u><br>(2) (3)        | D |
| Common<br>Stock | 09/08/2009 | S | 1,498 | D | \$ 11.52      | 8,034,975 <u>(1)</u><br>(2) (3)        | D |
| Common<br>Stock | 09/08/2009 | S | 100   | D | \$ 11.55      | 8,034,875 <u>(1)</u><br>(2) <u>(3)</u> | D |
| Common<br>Stock | 09/08/2009 | S | 100   | D | \$ 11.58      | 8,034,775 <u>(1)</u><br>(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 SEC 1474 information contained in this form are not required to respond unless the form number.

(9-02)

9. Nu Deriv Secu Bene Own Follo Repo Trans (Insti

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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.         | 6. Date Exerc | isable and | 7. Titl | e and    | 8. Price of | 9 |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|------------|---------|----------|-------------|---|
| Derivative  | Conversion  | (Month/Day/Year)    | Execution Date, if | Transactio | onNumber   | Expiration Da | ite        | Amou    | nt of    | Derivative  | J |
| Security    | or Exercise |                     | any                | Code       | of         | (Month/Day/   | Year)      | Under   | lying    | Security    | 5 |
| (Instr. 3)  | Price of    |                     | (Month/Day/Year)   | (Instr. 8) | Derivative | e             |            | Securi  | ities    | (Instr. 5)  | ] |
|             | Derivative  |                     |                    |            | Securities |               |            | (Instr. | 3 and 4) |             | ( |
|             | Security    |                     |                    |            | Acquired   |               |            |         |          |             | J |
|             |             |                     |                    |            | (A) or     |               |            |         |          |             | J |
|             |             |                     |                    |            | Disposed   |               |            |         |          |             | - |
|             |             |                     |                    |            | of (D)     |               |            |         |          |             | ( |
|             |             |                     |                    |            | (Instr. 3, |               |            |         |          |             |   |
|             |             |                     |                    |            | 4, and 5)  |               |            |         |          |             |   |
|             |             |                     |                    |            |            |               |            |         | Amount   |             |   |
|             |             |                     |                    |            |            |               |            |         | or       |             |   |
|             |             |                     |                    |            |            | Date          | Expiration | Title   | Number   |             |   |
|             |             |                     |                    |            |            | Exercisable   | Date       | 11116   | of       |             |   |
|             |             |                     |                    | Code V     | (A) (D)    |               |            |         |          |             |   |
|             |             |                     |                    | Code V     | (A) (D)    |               |            |         | Shares   |             |   |

# **Reporting Owners**

| Reporting Owner Name / Address  | Relationships |           |         |       |  |  |  |
|---|---------------|-----------|---------|-------|--|--|--|
| •   | Director      | 10% Owner | Officer | Other |  |  |  |
| SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST<br>PO BOX 481<br>FORT COLLINS, CO 80522 |               | X         |         |       |  |  |  |
| SCHATZ DOUGLAS S<br>P.O. BOX 481<br>FORT COLLINS, CO 80522                            | X             |           |         |       |  |  |  |
|   |               | X         |         |       |  |  |  |

Reporting Owners 3 Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522

### **Signatures**

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

09/10/2009

\*\*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