

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 \*  
 BECK RICHARD P

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)  
 1625 SHARP POINT DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 04/20/2005

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

FORT COLLINS, CO 80525  
 (City) (State) (Zip)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 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)
				(A) or (D) Code V Amount (D) Price			
Common Stock	04/20/2005		S	1,000 D \$ 10	58,574 <sup>(1)</sup>	D	
Common Stock	04/22/2005		S	3,000 D \$ 11	55,574 <sup>(1)</sup>	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.**

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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 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. Amount or Number of Shares
Director Stock Option (right to buy)	\$ 17.85					07/18/2002 <sup>(2)</sup> 07/18/2012	Common Stock	7,500
Director Stock Option (right to buy)	\$ 10.67					05/07/2003 <sup>(3)</sup> 05/07/2013	Common Stock	5,000
Director Stock Option (right to buy)	\$ 14.4					05/05/2004 <sup>(3)</sup> 05/05/2014	Common Stock	5,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BECK RICHARD P 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525	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 executed by Seller on March 4, 2005.
- (2) The director stock option granted on July 18, 2002 is immediately exercisable as to 2,500 shares of Common Stock and will vest as to 2,500 shares on each of July 18, 2004 and July 18, 2005.
- (3) The director stock options granted on May 7, 2003 and May 5, 2004 are immediately fully exercisable.
- (4) Mr. Beck has been granted Director Stock Options (right to buy) totaling 17,500 shares of Common Stock with the above exercise prices and expiration dates.

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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