

BECK RICHARD P  
Form 4  
December 15, 2010

**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)  
**12/13/2010**

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)
Common Stock	12/13/2010		S <sup>(1)</sup>	V Amount 1,219 (1) D Price \$ 13 (1)	61,558	D	
Common Stock	12/14/2010		S <sup>(1)</sup>	V Amount 4,703 (1) D Price \$ 13 (1)	56,855	D	
Common Stock	12/14/2010		G <sup>(2)</sup>	V Amount 1,147 (2) D Price \$ 0 (3)	55,708 <sup>(3)</sup>	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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number.

**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 Reporting Transaction (Instr. 6)
				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
BECK RICHARD P 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525	X			

## Signatures

Thomas O. McGimpsey -  
Attorney-in-Fact

12/15/2010

\_\_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).
- Shares held in the Richard P Beck Trust u/a dated July 19, 2000. Mr. Beck entered into a 10b5-1 for the purposes of gifting shares to The Polar Bears International. As of reporting date, a total of 4,078 shares were gifted. 5922 shares remain of the original 10,000 shares in the Plan. on 12/13/2010, 1,219 shares were sold at \$13.00 per share and on 12/14/2010 4,703 shares were sold at \$13.00 per share.
- (2) 12/14/2010 Mr. Beck gifted 1,147 shares to The Polar Bears International with a principal amount of the gift totaling \$15,119.32. These shares were outside the 10b5-1 plan listed in Footnote 1.
- (3) Mr. Beck has been granted a total of 36,000 RSUs in five grants: (A) 2,000 RSUs granted on May 24, 2006; (B) 16,000 RSUs granted on May 2, 2007; (C) 6,000 RSUs granted on May 7, 2008; (D) 6,000 RSUs granted on May 6, 2009; (E) 6,000 RSUs granted on May 4, 2010. Each grant vest annually in four equal installments beginning one year from grant date. As of this filing, 18,500 restricted stock units are vested and held as well as 19,708 shares held in street name.

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.