BECK RICHARD P

Form 4

September 30, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

Expires:

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January 31, 2005

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Section 16. Form 4 or Form 5 obligations may continue.

See Instruction

Check this box

if no longer

subject to

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 * **BECK RICHARD P**

2. Issuer Name and Ticker or Trading

Issuer

Symbol

ADVANCED ENERGY **INDUSTRIES INC [AEIS]**

(Check all applicable)

5. Relationship of Reporting Person(s) to

(Last)

(First) (Middle) 3. Date of Earliest Transaction

4. If Amendment, Date Original

(Instr. 8)

_X__ Director Officer (give title

10% Owner Other (specify

1625 SHARP POINT DRIVE

(Street)

(Month/Day/Year) 09/29/2010

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

below)

FORT COLLINS, CO 80525

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1.Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

3.

(Month/Day/Year)

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) 5. Amount of Securities Beneficially Owned

6. Ownership 7. Nature of Form: Direct Indirect Beneficial (D) or Ownership Indirect (I) (Instr. 4) (Instr. 4)

(A)

Following Reported Transaction(s)

or (Instr. 3 and 4) Price

Common

Stock

09/29/2010

Amount Code (D) 1,160 $G^{(1)}$

(1)

D \$0 $65,042 \stackrel{(2)}{=}$

D

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Titl	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amou	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secur
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									or		
						Date	Expiration	Title	Number		
						Exercisable	Date	Title	of		
				Code V	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
BECK RICHARD P							
1625 SHARP POINT DRIVE	X						
FORT COLLINS, CO 80525							

Signatures

Thomas O. McGimpsey -09/30/2010 Attorney-in-Fact

> **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 **(1)** Polar Bears International. 1,160 shares were gifted to the Polar Bears International on 09/29/2010.
- 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 29,042 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.

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