

MCGIMPSEY THOMAS O  
 Form 4  
 November 02, 2012

**FORM 4**

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

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

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 MCGIMPSEY THOMAS O

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)  
 10/31/2012

\_\_\_\_ Director \_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_ Other (specify below)  
 EVP Gen Counsel & Corp Sec

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 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		
Common Stock	10/31/2012		F	58 <sup>(1)</sup>	\$ 11.83	9,173 <sup>(2)</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  
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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 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 Owned Following Reporting Transaction (Instr. 6)
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## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MCGIMPSEY THOMAS O 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525			EVP Gen Counsel & Corp Sec	

## Signatures

/s/ Thomas O. McGimpsey  
(Attorney-in-Fact) 11/02/2012

\_\_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) Payment of tax liability by withholding securities incident to vesting of restricted stock.
- (2) Represents 8,510 shares of Restricted Stock units (RSUs) and 663 shares of Employee Stock Purchase Plan Shares. As of the reporting date, 3,068 shares are sellable.

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.