

ADVANCED ENERGY INDUSTRIES INC
 Form 4
 February 20, 2014

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 *
 ROGERSON GARRY W

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)
 02/18/2014

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

FORT COLLINS, CO 80525

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

(City) (State) (Zip)

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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	02/18/2014		M	(A) or (D) A	30,000 (1) \$ 8.65	91,943	D
Common Stock	02/18/2014		S	(A) or (D) D	30,000 (1) \$ 27.5166	61,943 (3)	D

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

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 (9-02)

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 Security (Instr. 3 and 4)
Performance Stock Options (right to buy)	\$ 8.65	02/18/2014		M	30,000 <u>(1)</u>	08/08/2012 08/08/2021	Common Stock 30,000 <u>(1)</u>

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ROGERSON GARRY W 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525	X		CEO	

Signatures

/s/ Thomas O.
McGimpsey
Date: 02/20/2014

**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) Shares sold in accordance with 10b5-1 trading plan.

The price reported in Column 4 is an average price. These shares were sold in multiple transactions at prices ranging from \$27.03 to \$27.86. The reporting person undertakes to provide to Advanced Energy, any security holder of Advanced Energy, or the staff of the Securities and Exchange Commission, upon request, full information regarding the number of shares sold at each separate price within the ranges set forth in this footnote.

(3) Represents 61,943 shares of restricted stock units. As of the reporting date, 57,135 restricted stock units have vested and 28,372 restricted stock units are available to sell.

(4) As of this filing date, Mr Rogerson holds 220,243 vested stock options.

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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