

ADVANCED ENERGY INDUSTRIES INC
 Form 4
 December 29, 2016

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 *
BALL FREDERICK

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)
11/11/2016

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)
			Code	V Amount (A) or (D) Price			
Common Stock	11/11/2016		G	V 9,250 D \$ 0	19,250 ⁽¹⁾	D	
Common Stock	11/11/2016		G	V 9,250 A \$ 0	9,250 ⁽¹⁾	I	By 1998 Ball Family Trust
Common Stock	11/15/2016		G	V <u>7,500</u> ⁽²⁾ D \$ 0	11,750	D	
Common Stock	12/13/2016		G	V 3,750 D \$ 0	8,000 ⁽¹⁾	D	
	12/13/2016		G	V 3,750 A \$ 0	13,000 ⁽¹⁾	I	

Common
Stock

By 1998
Ball
Family
Trust

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 Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Transaction (Instr. 5)
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Reporting Owners

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

Signatures

Thomas O. McGimpsey -
Attorney-in-Fact
Date: 12/29/2016

**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) Mr. Ball transferred 13,000 vested RSUs to the 1998 Ball Family Trust (9,250 shares on 11/11/16 and 3,750 on 12/13/2016. 8,000 RSUs remain unvested at the time of this filing.
- (2) Represents charitable contribution of shares.

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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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