

FIRESTONE LAWRENCE

Form 4

July 23, 2009

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 *
FIRESTONE LAWRENCE

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)
07/21/2009

____ Director ____ 10% Owner
____X____ Officer (give title below) ____ Other (specify below)
Executive VP & CFO

FORT COLLINS, CO 80525

4. If Amendment, Date Original
Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check
Applicable Line)
____X____ 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)
			Code	V	Amount (A) or (D)	Price	
Common Stock	07/21/2009		A		1,875 (1)	\$ 0	6,041 (2) D

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

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information contained in this form are not
required to respond unless the form
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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)	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 11.21	07/21/2009		A	13,125	07/21/2010 07/21/2019	Common Stock	13,125 (3)

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
FIRESTONE LAWRENCE 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525	Executive VP & CFO

Signatures

Thomas O. McGimpsey -
Attorney-in-Fact 07/23/2009

__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) The employee restricted stock units granted on July 21, 2009 will vest in four equal installments beginning on the first anniversary of the grant date.
- (2) Includes 5,625 restricted stock units and 416 shares acquired through the Employee Stock Purchase Plan.
- (3) The employee stock options granted on July 21, 2009 will vest in four equal annual installments beginning on the first anniversary of the grant date.
- (4) Mr. Firestone has stock options (right to buy) of 269,375 shares of Common Stock.

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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