

Herron Danny C
 Form 4/A
 February 11, 2013

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 *
 Herron Danny C

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)
 02/01/2013

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

FORT COLLINS, CO 80525
 (City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)
 02/05/2013

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 Indirect Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	02/01/2013		A ⁽¹⁾		25,836 A \$ 0	39,934	D
Common Stock	02/01/2013		F		8,355 ⁽²⁾ D \$ 15.64	31,579 ⁽³⁾	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)

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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)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount
Performance Stock Options (right to buy)	\$ 11.02	02/01/2013		A ⁽¹⁾		22,144		02/01/2013	02/01/2023	Common Stock	22,144
Performance Stock Options (right to buy)	\$ 0	01/03/2012		A	V	0		⁽⁴⁾	⁽⁵⁾	Common Stock	101,350
Performance Units	\$ 0	01/03/2012		A	V	0		⁽⁶⁾	⁽⁵⁾	Common Stock	118,150

Reporting Owners

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

Signatures

/s/ Thomas O. McGimpsey -
Attorney-in-Fact

02/11/2013

__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 reported transaction is the vesting of performance units reported on Form 4 filed January 6, 2012.
 - (2) Payment of tax liability by withholding securities incident to vesting of restricted stock units.
 - (3) Represents 31,134 shares of Restricted Stock units and 445 Employee Stock Purchase Plan shares. As of this reporting date, the restricted stock units have vested to 20,350 shares.
 - (4) This entry provides for the updated total outstanding performance stock options previously voluntarily reported on Form 4 filed January 6, 2012, following the vesting of 22,144 performance stock options (as reflected in the first line of the Table II). 28,762 performance options in respect of the 2012 performance period did not vest. The performance stock options reported in column 9 related to the 2012

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and 2014 performance periods.

- (5) If the performance metrics for the reporting year have not been met as determined by the Compensation Committee, the unvested options and units for the applicable year will expire immediately. If any of the options vest, they will cancel ten years from the grant date.

This entry provides for the updated total outstanding performance units previously voluntarily reported on Form 4 filed January 6, 2012, following the vesting of 25,836 performance units (as reflected in Table 1 above) in respect of the 2012 performance period. 33556

- (6) performance units in respect of the 2012 performance period did not vest. The performance units reported in column 9 related to the 2013 and 2014 performance units.

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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