

# FORM 4

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

Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10.

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or  
Section 30(h) of the Investment Company Act of 1940

<b>1. Name and Address of Reporting Person *</b>  <b>Kelley Stephen Douglas</b>  (Last) (First) (Middle)  <b>1595 WYNKOOP STREET, SUITE 800</b>  (Street)  <b>DENVER, CO 80202</b>  (City) (State) (Zip)	<b>2. Issuer Name and Ticker or Trading Symbol</b>  <b>ADVANCED ENERGY INDUSTRIES INC [ AEIS ]</b>	<b>5. Relationship of Reporting Person(s) to Issuer</b> (Check all applicable)  <input checked="" type="checkbox"/> Director <span style="float:right">_____ 10% Owner</span> <input checked="" type="checkbox"/> Officer (give title below) <span style="float:right">_____ Other (specify below)</span> <b>President and CEO</b>
<b>3. Date of Earliest Transaction (MM/DD/YYYY)</b>  <p align="center"><b>3/1/2024</b></p>		<b>6. Individual or Joint/Group Filing (Check Applicable Line)</b>  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person
<b>4. If Amendment, Date Original Filed (MM/DD/YYYY)</b>		

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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	3/1/2024		F		8,004 (1)	A	\$101.2	85,957 (2)	D	

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Restricted Stock Units	\$0	3/1/2024		A		31,348		(3)	(3)	Common Stock	31,348	\$0	31,348	D	
Performance Units	\$0	3/1/2024		A	V	31,348		(4)	(4)	Common Stock	31,348	\$0	31,348	D	

**Explanation of Responses:**

- (1) Payment of tax liability by withholding securities incident to vesting of restricted stock units.
- (2) Represents 39,608 unvested restricted stock units and 46,349 shares of common stock.
- (3) Employee restricted stock units granted 3/1/2024 under the Company's 2024 Long-Term Incentive Plan ("2024 LTI Plan"), which will vest in 3 equal installments beginning on the first anniversary of the grant date.
- (4) These performance share awards were issued under the 2024 LTI Plan at 100% of target, have a 3-year vest period, and will vest in all or in part upon achievement of performance metrics. Any awards that have not been vested and released at the end of the 3-year period will be cancelled.

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>Kelley Stephen Douglas</b> <b>1595 WYNKOOP STREET, SUITE 800</b> <b>DENVER, CO 80202</b>	<b>X</b>		<b>President and CEO</b>	

## Signatures

/s/ Elizabeth Vonne - Attorney-in-Fact

3/5/2024

\*\*  
Signature of Reporting Person

Date

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

\* 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).

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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