

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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.

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

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

1. Name and Address of Reporting Person *			2. Issuer Name and Ticker or Trading Symbol			5. Relationship of Reporting Person(s) to Issuer (Check all applicable)		
FOSTER RONALD C			ADVANCED ENERGY INDUSTRIES INC [AEIS]			<input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)			<input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		
1595 WYNKOOP STREET, SUITE 800			5/3/2024					
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
DENVER, CO 80202						<input checked="" type="checkbox"/> Form filed by One Reporting Person		
(City)	(State)	(Zip)				<input type="checkbox"/> 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. 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	5/5/2024		M		2,257	A	(1)	2,257	D	
Common Stock								18,425	I	By Self As Trustee (2)
Common Stock								18,425	I	By Spouse As Trustee (3)

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	5/3/2024		A (4)		2,093		(5)	(5)	Common Stock	2,093	\$0	2,093	D	
Restricted Stock Units	(1)	5/5/2024		M		2,257		(1)	(1)	Common Stock	2,257	\$0	0	D	

Explanation of Responses:

- On May 5, 2023, the reporting person was granted 2,257 restricted stock units, which vested on the one-year anniversary of the grant date. Restricted stock units convert into common stock on a one-for-one basis.
- Shares held by the Kathryn A. Foster 2020 Spousal Trust, where the reporting person serves as a trustee and is a beneficiary.
- Shares held by the Ronald C. Foster 2021 Trust, where his spouse serves as trustee and is a beneficiary.
- Represents an annual grant of restricted stock units to the reporting person on May 3, 2024 as the equity portion of the non-employee directors' retainer for Board services under the 2023 Amended and Restated Omnibus Incentive Plan. The restricted stock units vest on the one-year anniversary of the grant date contingent upon the reporting person's continued service as director upon such date.
- Restricted stock units are not exercisable and do not have an expiration date.

Reporting Owners _____

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FOSTER RONALD C 1595 WYNKOOP STREET, SUITE 800 DENVER, CO 80202	X			

Signatures

/s/ Elizabeth Vonne - Attorney-in-Fact

5/7/2024

--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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