

FORM 4

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

OMB APPROVAL
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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)
WASSERMAN YUVAL	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 checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)
1625 SHARP POINT DRIVE	2/22/2019	President & CEO
(Street)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line)
FORT COLLINS, CO 80525		<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	2/22/2019		A	V	10603 (1)	A	\$51.94	140818	D	
Common Stock	2/22/2019		F		4663 (2)	D	\$51.94	136155	D	
Common Stock	2/22/2019		A		31256 (3)	A	\$0.00	167411 (4)	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				
Performance Units	\$0.00	2/22/2019		A	V	62512	(5)		(5)	(5)	Common Stock	62512	\$0.00	62512	D

Explanation of Responses:

- (1) These performance stock units were reported voluntarily 2/8/2016. Certain 2016 Revenue performance metrics were met under the LTI Plan and the shares were approved for release at 68.9 percent by the Board of Directors. The unvested shares were cancelled.
- (2) Payment of tax liability by withholding securities incident to vesting of performance stock units.
- (3) Employee restricted stock units granted 2/22/2019 under the Company's 2019 Long Term Incentive Plan (LTI Plan) will vest in three equal installments beginning on the first anniversary of the grant date.
- (4) Represents 52,265 shares of Restricted Stock Units and 115,146 shares of common stock.
- (5) These performance share awards were issued under the 2019 LTI Plan at 200% of target and 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
WASSERMAN YUVAL 1625 SHARP POINT DRIVE FORT COLLINS, CO 80525	X		President & CEO	

Signatures

/s/ **Thomas O. McGimpsey (Attorney-in-Fact)**

2/26/2019

**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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