Pirnot John D Form 3 October 26, 2006

## FORM 3

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

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, response...
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 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person \* Statement ADVANCED ENERGY INDUSTRIES INC [AEIS] Pirnot John D (Month/Day/Year) 10/24/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 1625 SHARP POINT DRIVE (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director \_X\_ Form filed by One Reporting \_X\_\_ Officer Other Person FORT COLLINS, Â COÂ 80525 (give title below) (specify below) Form filed by More than One General Counsel and Secretary Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D Â Common Stock 32 Â Common Stock 1,950 (1) D Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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

3. Title and Amount of 1. Title of Derivative Security 2. Date Exercisable and 6. Nature of Indirect (Instr. 4) **Expiration Date** Securities Underlying Conversion Ownership Beneficial Ownership (Month/Day/Year) **Derivative Security** or Exercise Form of (Instr. 5) (Instr. 4) Price of Derivative Derivative Security:

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Employee Stock Option (right to buy)	(2)	01/31/2015	Common Stock	5,000	\$ 7.15	D	Â
Employee Stock Option (right to buy)	(3)	02/11/2014	Common Stock	5,000	\$ 22.3	D	Â
Employee Stock Option (right to buy)	(4)	04/16/2013	Common Stock	1,875	\$ 7.61	D	Â

## **Reporting Owners**

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Pirnot John D 1625 SHARP POINT DRIVE FORT COLLINS. CO 80525	Â	Â	General Counsel and Secretary	Â		

## **Signatures**

John D. Pirnot 10/26/2006

\*\*Signature of Reporting Person Date

## **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 5(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) Represents shares of Restricted Stock Units.
- (2) The stock option dated 01/31/05 will vest in four equal annual installments beginning on the first anniversary of the grant date.
- (3) The stock option dated 02/11/04 is fully exercisable.
- (4) The stock option dated 04/16/2003 is such that 25% of the shares become exercisable on the first anniversary following the date of grant, and the remaining shares become exercisable in equal increments each quarter for 3 years thereafter.

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#### **Remarks:**

Exhibit List

Exhibit 24 - Power of Attorney

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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