SCHATZ DOUGLAS S

Form 4

January 26, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB a

OMB Number: 3235-0287

OMB APPROVAL

Expires: January 31, 2005

0.5

Estimated average burden hours per response...

____ Form filed by One Reporting Person _X_ Form filed by More than One Reporting

if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

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

1(b).

(Print or Type Responses)

1. Name and Ad SCHATZ DO	•	_	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
JILL E FAMILY TRUST			ADVANCED ENERGY INDUSTRIES INC [AEIS]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	DirectorX 10% Owner Officer (give title Other (specify			
PO BOX 481			01/25/2010	below) below)			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line)			

FORT COLLINS, CO 80522

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secui	rities Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year) 2A. Deemed Execution Date, any (Month/Day/Ye		3. Transactio Code (Instr. 8)	4. Securities Acquired r(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	(msu. 1)
Common Stock	01/25/2010		S	100	D	\$ 14.806	6,383,880 <u>(1)</u> <u>(2)</u> <u>(3)</u>	D	
Common Stock	01/25/2010		S	100	D	\$ 14.81	6,383,780 <u>(1)</u> <u>(2) (3)</u>	D	
Common Stock	01/25/2010		S	100	D	\$ 14.82	6,383,680 <u>(1)</u> (2) (3)	D	

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

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number.

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amou	int of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ities	(Instr. 5)	Bene
	Derivative				Securities			(Instr.	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration	Title	or Number		
						Exercisable	ercisable Date	Title	of		
				Codo V	(A) (D)				Shares		
				Code v	(A) (D)				Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
Reporting Owner Name / Address		10% Owner	Officer	Other			
SCHATZ DOUGLAS S & SCHATZ JILL E FAMILY TRUST PO BOX 481 FORT COLLINS, CO 80522		X					
SCHATZ DOUGLAS S P.O. BOX 481 FORT COLLINS, CO 80522	X						
Schatz Jill E P.O. BOX 481 FORT COLLINS, CO 80522		X					
Signatures							

/S/ Thomas O. McGimpsey (Attorney-in-Fact) 01/26/2010 **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).
- These shares are owned directly by Douglas S. Schatz & Jill E. Schatz Family Trust, a ten percent owner of the issuer, and indirectly by **(1)** Douglas S. Schatz and Jill E. Schatz, co-trustees of the trust.
- (2) Includes 26,350 shares of restricted stock units held directly by Douglas S. Schatz, who is a director of the Issuer.
- (3) The Sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 Plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Reporting Owners 2

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