

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

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

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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.	2. Issuer Name <b>and</b> Ticker or Trading Symbol								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)					
SCHOLL BRENDA M						ADVANCED ENERGY INDUSTRIES INC [ AEIS ]								Ì	Director 10% Owner				
(Last)	(First	t) (Mi	ddle)		3.	Date	of Earl	iest Tran	saction	ı (MM	//DD/Y	YYY	)	-	X_Officer (g			Other (speci	fy below)
1.05 CHADI	D DOINT	DDIVE						7/	20/20	104				3	SVP and GM	Power S	ystems		
1625 SHARI	P POIN I				4	If A	nendme				led (v	IM/DI	D/VVVV	2 6	. Individual o	or Ioint/G	roup Filing	(Choole Anni	lianhla Lina)
(Sueet)					7.	4. If Amendment, Date Original Filed (MM/DD/YYYY)								, 0	. marviduai (	or John, G	roup rining	(Check App	neable Line)
FORT COLLINS, CO US														F	X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(C	City) (Sta	ate) (Zip	0)																
			Table	I - No	n-Dei	rivat	ive Sec	urities A	cguire	ed, D	ispos	ed o	f, or Bo	enef	icially Owne	ed			
1. Title of Security						ate 2A. Deemed		3. Trans. (Instr. 8)				urities Acquired (A)		5. Aı	5. Amount of Securities Beneficially Owned			6.	7. Nature
(Instr. 3)				Execution Date, if any		(IIISII. 8)			Disposed of (D str. 3, 4 and 5)				Following Reported Transaction(s) (Instr. 3 and 4)			Form:	Beneficial		
												(1)						or Indirect	Ownership (Instr. 4)
								Code	Code V		Amount (A)							(I) (Instr. 4)	
Common Stock															2	20292		D	
Common Stock															2	09824		I	By Spouse
													-					•	
	1	1							-			-			tions, conve				1
Title of Derivate     Security	2. 3. Trans. Date		3A. Deemed Execution		4. Trans Code	Derivativ					Exercisable and tion Date 7. Title an Securities				8. Price of 9. Number Derivative derivative		10. Ownership		
(Instr. 3)	or Exercise Price of Derivative Security		Date, it	f any (	Instr. 8)			s Acquired isposed of					Derivative S (Instr. 3 and				Securities Beneficially	Form of Derivative	Beneficial Ownership
						(D) (Instr. :		3, 4 and 5)									Owned Following	Security: Direct (D)	(Instr. 4)
									Date		Expiration		Tiels		Amount or	1	Reported Transaction(s)	or Indirect (I) (Instr.	
					Code	V	(A)	(D)	Exerci	sable			Title		Number of Shares		(Instr. 4)	4)	
Employee Stock Option (right to buy)	\$8.625								4/23/1 (4		4/23/20	007	Commo Stock		2100		2100	D	
Employee Stock Option (right to buy)	\$12.75								1/9/19 (1		1/9/20	08	Commo Stock		782		2882	D	
Employee Stock Option (right to buy)	\$28.1563								2/9/20 (1		2/9/20	09	Commo Stock		1000		3882	D	
Employee Stock Option (right to buy)	\$43.6875								1/13/2 (1		1/13/20	)10	Commo Stock	-	2000		5882	D	
Employee Stock Option (right to buy)	\$26.125								2/7/20 (1		2/7/20	11	Commo Stock		1250		7132	D	
Employee Stock Option (right to buy)	\$28.55								4/11/2 (1		4/11/20	)11	Commo Stock		1250		8382	D	
Employee Stock Option (right to buy)	\$36.49								5/24/2 (5		5/24/20	)11	Commo Stock		1000		9382	D	
Employee Stock Option (right to buy)	\$32.19								7/11/2 <u>(1</u>		7/11/20	)11	Commo Stock		1250		10632	D	
Employee Stock Option (right to buy)	\$18.00								10/10/		10/10/2	2011	Commo Stock		1250		11882	D	
Employee Stock Option (right to buy)	\$24.90								2/12/2 (1		2/12/20	)12	Commo Stock		6250		18132	D	
Employee Stock Option (right to buy)	\$38.55								4/16/2 (1		4/16/20	)12	Commo Stock		6250		24382	D	

	Tab	le II - Deri	vative Secu	urities E	Bene	ficially O	wned (	( <i>e.g.</i> , put	s, calls, w	arrants, o	options, conve	ertible sec	urities)		
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	9. Number of derivative Securities Beneficially Owned Following	Form of Derivative Security: Direct (D)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		Transaction(s)	or Indirect (I) (Instr. 4)	
Employee Stock Option (right to buy)	\$17.85							7/18/2003 (1)	7/18/2012	Common Stock	6250		30632	D	
Employee Stock Option (right to buy)	\$7.70							10/17/2003	10/17/2012	Common Stock	6250		36882	D	
Employee Stock Option (right to buy)	\$14.50							12/11/2003 (1)	12/11/2012	Common Stock	10000		46882	D	
Employee Stock Option (right to buy)	\$9.12							2/12/2004	2/12/2013	Common Stock	5000		51882	D	
Employee Stock Option (right to buy)	\$7.61							4/16/2004 (1)	4/16/2013	Common Stock	5000		56882	D	
Employee Stock Option (right to buy)	\$19.24							7/23/2004 (1)	7/23/2013	Common Stock	5000		61882	D	
Employee Stock Option (right to buy)	\$22.52							10/15/2004 (1)	10/15/2013	Common Stock	5000		66882	D	
Employee Stock Option (right to buy)	\$22.30							2/11/2005 (1)	2/11/2014	Common Stock	3750		70632	D	
Employee Stock Option (right to buy)	\$20.81							4/14/2005 (1)	4/14/2014	Common Stock	3750		74382	D	
Employee Stock Option (right to buy)	\$12.80	7/20/2004		A		3750		7/20/2005 (1)	7/20/2014	Common Stock	3750	\$12.80	78132 <sup>(2)</sup>	D	
Employee Stock Option (right to buy)	\$12.80	7/20/2004		A		2500		7/20/2005 (1)	7/20/2014	Common Stock	2500	\$12.80	108500 (3)	I	By Spouse

#### **Explanation of Responses:**

- (1) Stock options dated 01/09/1998, 02/09/1999, 01/13/2000, 02/07/2001, 04/11/2001, 07/11/2001, 10/10/2001, 02/12/2002, 04/16/2002, 07/18/2002, 10/17/2002, 12/11/2002, 02/12/2003, 04/16/2003, 07/23/2003, 10/15/2003, 2/11/2004, 04/14/2004 and 07/20/2004 are such that 1/4 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.
- (2) Mrs. Scholl has Employee Stock Options (right to buy) for a total of 78,132 shares of Common Stock.
- (3) Mrs. Scholl has additional Employee Stock Options (right to buy) for a total of 108,500 shares, indirectly by spouse, of Common Stock with varying exercise prices and expiration dates.
- (4) Stock option dated 04/23/1997 is such that 1/5 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 4 years thereafter.
- (5) Stock option dated May 24, 2001 is fully exercisable 1 year from the date of grant, which was May 24, 2002.

### **Reporting Owners**

Panarting Owner Name / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
SCHOLL BRENDA M								
1625 SHARP POINT DRIVE			SVP and GM Power Systems					
FORT COLLINS, CO US								

#### **Signatures**

Michael El-Hillow - Attorney-in-Fact	7/21/2004
**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.

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.