

Ahearn Michael J
 Form 4
 February 26, 2010

FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
 Washington, D.C. 20549

OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Ahearn Michael J

2. Issuer Name and Ticker or Trading Symbol
 FIRST SOLAR, INC. [FSLR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

C/O FIRST SOLAR, INC, 350
 WEST WASHINGTON STREET
 SUITE 600

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/25/2010

Director 10% Owner
 Officer (give title below) Other (specify below)
 Executive Chairman

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

TEMPE, AZ 85281-1244

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction 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	02/25/2010		S	81,391	D	\$ 102.26 (1) (3)	1,692,448	I	By Michael J. Ahearn 2006 GRAT	
Common Stock	02/25/2010		S	18,609	D	\$ 102.97 (2) (3)	1,673,839	I	By Michael J. Ahearn 2006 GRAT	
	02/26/2010		S	35,031	D		1,638,808	I		

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Common Stock						\$ 103.25 <u>(4)</u> <u>(7)</u>				By Michael J. Ahearn 2006 GRAT
Common Stock	02/26/2010		S	32,769	D	\$ 104.51 <u>(5)</u> <u>(7)</u>	1,606,039	I		By Michael J. Ahearn 2006 GRAT
Common Stock	02/26/2010		S	32,200	D	\$ 105.21 <u>(6)</u> <u>(7)</u>	1,573,839	I		By Michael J. Ahearn 2006 GRAT
Common Stock							7,838	D		

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

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SEC 1474 (9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction 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 (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Transaction (Instr. 3)
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
	X		Executive Chairman	

Ahearn Michael J
C/O FIRST SOLAR, INC
350 WEST WASHINGTON STREET SUITE 600
TEMPE, AZ 85281-1244

Signatures

/s/ Peter C. Bartolino,
Attorney-in-fact

02/26/2010

__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).

(1) This transaction was executed in multiple trades at prices ranging from \$101.71 to \$102.69. The price reported above reflects the weighted average sale price for the transactions reported on this line.

(2) This transaction was executed in multiple trades at prices ranging from \$102.70 to \$103.16. The price reported above reflects the weighted average sale price for the transactions reported on this line.

(3) A total of 100,000 shares were sold on this date in multiple transactions at prices ranging from \$101.71 to \$103.16, with a total weighted average price of \$102.39. The reporting person undertakes to provide upon request by the staff of the SEC, the Issuer, or a security holder of the Issuer, full information regarding the number of shares sold at each separate price.

(4) This transaction was executed in multiple trades at prices ranging from \$102.84 to \$103.81. The price reported above reflects the weighted average sale price for the transactions reported on this line.

(5) This transaction was executed in multiple trades at prices ranging from \$103.85 to \$104.84. The price reported above reflects the weighted average sale price for the transactions reported on this line.

(6) This transaction was executed in multiple trades at prices ranging from \$104.86 to \$105.82. The price reported above reflects the weighted average sale price for the transactions reported on this line.

(7) A total of 100,000 shares were sold on this date in multiple transactions at prices ranging from \$102.84 to \$105.82, with a total weighted average price of \$104.29. The reporting person undertakes to provide upon request by the staff of the SEC, the Issuer, or a security holder of the Issuer, full information regarding the number of shares sold at each separate price.

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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