

GILLETTE ROBERT J
 Form 4
 March 26, 2010

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, 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 *
 GILLETTE ROBERT J

(Last) (First) (Middle)

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

(Street)

TEMPE, AZ 85281-1244

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 03/24/2010

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 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. 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 Ownership (Instr. 4)		
				(A) or (D)	Code	V	Amount	(D)	Price

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	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction	5. Number of Derivative	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities	8. I
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)				
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	(1)	03/24/2010	A		40,039		(2)	(2)	Common Stock	40,039
Restricted Stock Units	(1)	03/24/2010	A		40,039		(3)	(3)	Common Stock	40,039

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
GILLETTE ROBERT J C/O FIRST SOLAR, INC. 350 WEST WASHINGTON STREET, SUITE 600 TEMPE, AZ 85281-1244	X		CEO	

Signatures

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

03/26/2010

__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) Each restricted stock unit represents the right to receive, upon vesting, one share of the Issuer's common stock in accordance with the Issuer's Amended and Restated 2006 Omnibus Incentive Plan.

(2) The restricted stock units were granted on March 24, 2010 pursuant to the Reporting Person's Employment Agreement, with respect to fiscal year 2009. These units are scheduled to vest annually at a rate of 20% on each of the first three anniversaries of the grant date, with the remaining 40% scheduled to vest on the fourth anniversary of the grant date.

(3) The restricted stock units were granted on March 24, 2010 pursuant to the Reporting Person's Employment Agreement, with respect to fiscal year 2010. These units are scheduled to vest annually at a rate of 25% on each anniversary of the grant date, beginning March 24, 2012.

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.

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