

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

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* Bueter Christopher (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]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) EVP, Human Resources
	3. Date of Earliest Transaction (Month/Day/Year) 03/05/2018	
4. If Amendment, Date of Original Filed (Month/Day/Year)		

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	03/05/2018		M		1,934 ⁽¹⁾	A	\$0	13,458	D	
Common Stock	03/05/2018		M		2,011 ⁽²⁾	A	\$0	15,469	D	
Common Stock	03/05/2018		F		570 ⁽³⁾	D	\$66.05	14,899	D	
Common Stock	03/05/2018		F		593 ⁽³⁾	D	\$66.05	14,306	D	

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Restricted Stock Units	(4)	03/05/2018		M			1,934	(5)	(5)	Common Stock	1,934	\$0	0	D	
Restricted Stock Units	(4)	03/05/2018		M			2,011	(6)	(6)	Common Stock	2,011	\$0	2,011	D	
Restricted Stock Units	(7)	03/06/2018		A			8,896	(8)	(8)	Common Stock	8,896	\$0	8,896	D	

Explanation of Responses:

- Represents shares of common stock issued upon vesting of 25% of the restricted stock units granted on March 5, 2014.
- Represents shares of common stock issued upon vesting of 25% of the restricted stock units granted on March 5, 2015.
- Represents shares of common stock withheld by the Issuer to satisfy certain tax withholding obligations with the vesting of the restricted stock units.
- 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 2010 Omnibus Incentive Compensation Plan.
- The restricted stock units were granted on March 5, 2014 as part of the Issuer's annual equity grant to executive officers. These units are scheduled to vest annually at a rate of 25% on each anniversary of the grant date, commencing on the first anniversary of the grant date.
- The restricted stock units were granted on March 5, 2015 as part of the Issuer's annual equity grant to executive officers. These units are scheduled to vest annually at a rate of 25% on each anniversary of the grant date, commencing on the first anniversary of the grant date.
- 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 2015 Omnibus Incentive Compensation Plan.
- The restricted stock units were granted on March 6, 2018 as part of the Issuer's annual equity grant to executive officers. These units are scheduled to vest annually at a rate of 25% on each anniversary of the grant date, commencing on the first anniversary of the grant date.

/s/ Jason E. Dymbort, attorney-
in-fact 03/07/2018

** 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 Number.