

Fulton Tricia L
 Form 4
 September 17, 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 *
 Fulton Tricia L

2. Issuer Name and Ticker or Trading Symbol
 SUN HYDRAULICS CORP
 [SNHY]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
 09/15/2010

____ Director
 Officer (give title below) _____ Other (specify below)
 Chief Financial Officer

1500 WEST UNIVERSITY PARKWAY

(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

SARASOTA, FL 34243

(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 Ownership (Instr. 4)
			Code	V	Amount or Price		
Common Stock	09/15/2010		S		1,000 D \$ 27.31	11,456.3572 (1)	D
Common Stock	09/15/2010		S		876 D \$ 27.3303	10,580.3572	D
Common Stock	09/15/2010		S		434 D \$ 27.3546	10,146.3572	D
Common Stock	09/15/2010		S		951 D \$ 27.3801	9,195.3572	D
Common Stock	09/16/2010		S		1,000 D \$ 26.75	8,195.3572	D

Common Stock	1,364.854	I ⁽²⁾	BY ESOP TRUST
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Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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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 (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address	Relationships
	Director 10% Owner Officer Other
Fulton Tricia L 1500 WEST UNIVERSITY PARKWAY SARASOTA, FL 34243	Chief Financial Officer

Signatures

Gregory C. Yadley, as Attorney-in-Fact for TRICIA L. FULTON	09/17/2010
**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) Includes 70.219639 shares purchased through the Sun Hydraulics Corporation Employee Stock Purchase Plan during the quarter ended January 2, 2010; 47.642983 shares purchased through the Sun Hydraulics Corporation Employee Stock Purchase Plan during the quarter ended April 3, 2010; and 62.151347 shares purchased through the Sun Hydraulics Corporation Employee Stock Purchase Plan during the quarter ended July 3, 2010.
 - (2) Reflects allocations of shares under the Sun Hydraulics Corporation Employee Stock Ownership Plan.

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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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