

# FORM 4

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

OMB APPROVAL  
OMB Number: 3235-0287  
Estimated average burden  
hours per response... 0.5

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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

(Print or Type Responses)

1. Name and Address of Reporting Person * <b>KOSKI CHRISTINE L</b>			2. Issuer Name and Ticker or Trading Symbol <b>SUN HYDRAULICS CORP [SNHY]</b>		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>02/24/2011</b>			
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)		6. Individual or Joint/Group Filing(Check Applicable Line) <input type="checkbox"/> Form filed by One Reporting Person <input checked="" type="checkbox"/> Form filed by More than One Reporting Person	
(City)	(State)	(Zip)	<b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b>			

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	02/24/2011		S(1)		574	D	\$ 35	265,240	D (2)	
Common Stock	02/24/2011		S(1)		326	D	\$ 35.01	264,914	D (2)	
Common Stock	02/24/2011		S(1)		300	D	\$ 35.02	264,614	D (2)	
Common Stock	02/24/2011		S(1)		300	D	\$ 35.04	264,314	D (2)	
Common Stock	02/24/2011		S(1)		100	D	\$ 35.041	264,214	D (2)	
Common Stock	02/24/2011		S(1)		200	D	\$ 35.05	264,014	D (2)	
Common Stock	02/24/2011		S(1)		21	D	\$ 35.08	263,993	D (2)	
Common Stock	02/24/2011		S(1)		100	D	\$ 35.10	263,893	D (2)	
Common Stock	02/24/2011		S(1)		159	D	\$ 35.11	263,734	D (2)	
Common Stock	02/24/2011		S(1)		200	D	\$ 35.15	263,534	D (2)	
Common Stock	02/24/2011		S(1)		310	D	\$ 35.16	263,224	D (2)	
Common Stock	02/24/2011		S(1)		5	D	\$ 35.17	263,219	D (2)	
Common Stock	02/24/2011		S(1)		200	D	\$ 35.18	263,019	D (2)	
Common Stock	02/24/2011		S(1)		100	D	\$ 35.19	262,919	D (2)	
Common Stock	02/24/2011		S(1)		10	D	\$ 35.20	262,909	D (2)	
Common Stock	02/24/2011		S(1)		110	D	\$ 35.21	262,799	D (2)	
Common Stock	02/24/2011		S(1)		100	D	\$ 35.22	262,699	D (2)	
Common Stock	02/24/2011		S(1)		100	D	\$ 35.25	262,599	D (2)	
Common Stock	02/25/2011		S(1)		710	D	\$ 35	261,889	D (2)	
Common Stock	02/25/2011		S(1)		7	D	\$ 35.01	261,882	D (2)	
Common Stock	02/25/2011		S(1)		200	D	\$ 35.03	261,682	D (2)	
Common Stock	02/25/2011		S(1)		355	D	\$ 35.04	261,327	D (2)	

Common Stock	02/25/2011		S(1)		273	D	\$ 35.05	261,054	D (2)	
Common Stock	02/25/2011		S(1)		628	D	\$ 35.06	260,426	D (2)	
Common Stock	02/25/2011		S(1)		100	D	\$ 35.075	260,326	D (2)	
Common Stock	02/25/2011		S(1)		10	D	\$ 35.08	260,316	D (2)	
Common Stock	02/25/2011		S(1)		100	D	\$ 35.09	260,216	D (2)	
Common Stock	02/25/2011		S(1)		100	D	\$ 35.10	260,116	D (2)	
Common Stock	02/25/2011		S(1)		100	D	\$ 35.11	260,016	D (2)	
Common Stock	02/25/2011		S(1)		126	D	\$ 35.12	259,890	D (2)	

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

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.

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 Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		(A)	(D)					

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
KOSKI CHRISTINE L	X	X		
KOSKI BEVERLY		X		
KOSKI FAMILY LP		X		
KOSKI ROBERT C		X		
KOSKI THOMAS L		X		

## Signatures

Paul R. Lynch, as Attorney-in-Fact for CHRISTINE L. KOSKI, BEVERLY KOSKI, KOSKI FAMILY LIMITED PARTNERSHIP, ROBERT C. KOSKI AND THOMAS L. KOSKI		02/28/2011
<small>**Signature of Reporting Person</small>		<small>Date</small>

## 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) Sales were effected pursuant to a Rule 10b5-1 trading plan adopted by Christine L. Koski on December 31, 2010.
- (2) Shares owned directly by Christine L. Koski.

**Remarks:**

Report is 1 of 2.

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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