Core-Mark Holding Company, Inc.
Form 4
January 25, 2016

FORM 4

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

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

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).

(Print or Type Responses)

1. Name and Address of Reporting Person *
Walsh Christopher L

(Last) (First) (Middle)

395 OYSTER POINT BLVD., SUITE 415

(Street)

SOUTH SAN FRANCISCO, CA 94080

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading Symbol
Core-Mark Holding Company, Inc. [CORE]

3. Date of Earliest Transaction (Month/Day/Year)
01/21/2016

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)
Senior VP-US Distribution

6. Individual or Joint/Group Filing(Check Applicable Line)
_X_ 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Coremark Common Stock	01/21/2016		A		8,347 (1)	A	$ 0.01	78,010	D	
Coremark Common Stock	01/21/2016		M		1,466	A	$ 0.01	79,476	D	
Coremark Common Stock	01/21/2016		F		604 (2)	D	$ 75.34	78,872	D	
	01/21/2016		F			D		77,420	D	

Coremark Common Stock		1,452 [(3)]	$ 75.34

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
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
2010 LTIP RSU GRANT 2015	$ 0.01	01/21/2016		M			1,466	01/21/2016	01/21/2022	Coremark Common Stock	1,466	

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Walsh Christopher L 395 OYSTER POINT BLVD., SUITE 415 SOUTH SAN FRANCISCO, CA 94080			Senior VP-US Distribution	

Signatures

Chris Miller,POA	01/25/2016
[**]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) Performance Shares earned upon the achievement of certain company financial goals. Shares vest; 1/3 on Jan. 21, 2016, 1/3 on January 1, 2017 and 1/3 on January 1, 2018.

(2) Shares withheld for taxes on RSU Vesting

(3) Shares withheld for taxes on Performance RSU Vesting

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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