Power William R Form 4 June 18, 2010

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or

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

1(b).

Class A Common

Stock

Class A-1 Common

Stock (3) Class A-2

Common

06/18/2010

06/18/2010

06/18/2010

Form 5

obligations

may continue.

See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Power William R Issuer Symbol CBOE Holdings, Inc. [CBOE] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction X_ Director (Month/Day/Year) 10% Owner Other (specify Officer (give title C/O CBOE HOLDINGS, INC., 400 06/18/2010 below) SOUTH LASALLE STREET (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting CHICAGO, IL 60605 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed 1.Title of 4. Securities Acquired 7. Nature of 3. 5. Amount of Execution Date, if Transaction(A) or Disposed of (D) Ownership Security (Month/Day/Year) Securities Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership Following or Indirect (Instr. 4) Reported (I) (A) Transaction(s) (Instr. 4) or (Instr. 3 and 4) V Price Code Amount (D) Class A $J^{(1)}$ Common 06/18/2010 V 160,000 Α (1) 160,000 D Stock

 $J^{(2)}$

V 160,000

V 80,000

V 80,000

D

A

Α

(2)

(2)

<u>(2)</u>

0

80,000

80,000

OMB APPROVAL

3235-0287

January 31,

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Number:

Expires:

response...

D

D

D

Estimated average

burden hours per

Stock (3)

Unrestricted

Common 06/18/2010 P(4) 300 A \$ 29 7,847 D

Stock

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)

9. Nu

Deriv Secur Bene Own Follo Repo Trans (Instr

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. Transact Code (Instr. 8)	5. ionNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	.	ate	7. Titl Amou Under Securi (Instr.	nt of lying	8. Price of Derivative Security (Instr. 5)
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

Reporting Owners

Reporting Owner Name / Address	Relationships					
. 0	Director	10% Owner	Officer	Other		
Power William R C/O CBOE HOLDINGS, INC. 400 SOUTH LASALLE STREET CHICAGO, IL 60605	X					
A 1 .						

Signatures

/s/ Patrick Sexton, attorney-in-fact 06/18/2010

**Signature of Reporting Person Da

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) Represents shares of Class A Common Stock received from the Company in connection with the Company's restructuring transaction, a merger exempt from Section 16(b) pursuant to Rule 16b-7 and approved by the board of directors of the Company in accordance with

Reporting Owners 2

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Rule 16b-3.

- Pursuant to a reclassification exempt under Rule 16b-7, each share of Class A Common Stock not sold in the Company's initial public offering converted into one-half of one share of Class A-1 Common Stock and one-half of one share of Class A-2 Common Stock upon completion of the Company's initial public offering.
- Each issued and outstanding share of Class A-1 Common Stock and Class A-2 Common Stock shall automatically convert (without any action by the holder) into one share of Unrestricted Common Stock on the one hundred eightieth (180th) and three hundred sixtieth
- (360th) day, respectively, following the date that shares of CBOE Holdings Unrestricted Common Stock are issued in the Company's initial public offering, subject in each case to the Company's right to delay such conversion in connection with an organized sale.
- (4) Purchased pursuant to CBOE Holding, Inc.'s reserved share program in connection with its initial public offering.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.