CBOE Holdings, Inc.

Form 3 May 23, 2016

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

OMB APPROVAL

OMB Number:

3235-0104

Expires:

response...

January 31, 2005

0.5

Estimated average burden hours per

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

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 *

Farrow William M III

(Last)

(First)

(Middle)

Statement

(Month/Day/Year)

05/19/2016

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

CBOE Holdings, Inc. [CBOE]

C/O CBOE HOLDINGS.

INC., 400 SOUTH LASALLE

STREET

(Street)

4. Relationship of Reporting

Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

(Check all applicable)

10% Owner _X_ Director Officer Other (give title below) (specify below)

6. Individual or Joint/Group

Filing(Check Applicable Line) _X_ Form filed by One Reporting

Person

Form filed by More than One

Reporting Person

CHICAGO, ILÂ 60605

(City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security

(Instr. 4)

2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership 4. Nature of Indirect Beneficial Ownership

(Instr. 5)

Form: Direct (D) or Indirect

(I) (Instr. 5)

Common Stock 0

Â D

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

SEC 1473 (7-02)

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Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)

Expiration Date (Month/Day/Year)

2. Date Exercisable and 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. 5. Conversion or Exercise

6. Nature of Indirect Ownership Beneficial Ownership Form of (Instr. 5)

Price of Derivative Derivative Security:

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Date Expiration Title Exercisable Date

Amount or Security Number of Shares Direct (D) or Indirect (I)

(Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Farrow William M III

C/O CBOE HOLDINGS, INC. 400 SOUTH LASALLE STREET

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CHICAGO, ILÂ 60605

Signatures

/s/ Patrick Sexton, attorney-in-fact

05/23/2016

**Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, see Instruction 5(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).

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Remarks:

Exhibit List: Exhibit 24 - Power of Attorney

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.

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