CME GROUP INC.

Form 5

February 14, 2017

OMB APPROVAL FORM 5

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

OMB 3235-0362 Number: January 31, Expires:

2005

no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box if

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response... 1.0

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

Reported Form 4

30(h) of the Investment Company Act of 1940

Transactions Reported

1. Name and Ad Carey Charle	•	ting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			CME GROUP INC. [CME]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended				
			(Month/Day/Year)	X Director 10% Owner			
			12/31/2016	Officer (give title Other (specify			
20 S. WACKER DRIVE				below) below)			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Reporting			
			Filed(Month/Day/Year)				
				(check applicable line)			

CHICAGO, ILÂ 60606

X Form Filed by One Reporting Person Form Filed by More than One Reporting Person

(City)	(State)	(Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Own							
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) (A) or Amount (D) Price		5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock Class A	Â	Â	Â	Â	Â	Â	49,141.375	I	by Partnership (1)
Common Stock Class A	Â	Â	Â	Â	Â	Â	1,904	I	by Trust
Common Stock Class B1	Â	Â	Â	Â	Â	Â	1	I	by Partnership
	Â	Â	Â	Â	Â	Â	1	I	

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Common Stock Class B2									by Partnership
Common Stock Class B3	Â	Â	Â	Â	Â	Â	1	I	by Partnership
Common Stock Class B4	Â	Â	Â	Â	Â	Â	1	I	by Partnership
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 2270 (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)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Amou Unde Secur	le and ant of rlying ities . 3 and 4)	8. Price of Derivative Security (Instr. 5)
				(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	

of

O

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Carey Charles P 20 S. WACKER DRIVE CHICAGO, IL 60606	ÂX	Â	Â	Â			
Signatures							
By: Margaret Austin Wright for Carey	Р.	02/14/2017					
**Signature of Reporting Per		Date					

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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).
 - This Form 5 is being filed to correct the number of shares of CME Group Class A and Class B common stock beneficially held by Mr. Carey. Mr. Carey is the principal of a trading firm that owns an aggregate of 49,141.375 shares of Class A common stock, one share of
- (1) Class B-1 common stock, one share of Class B-2 common stock, one share of Class B-3 common stock and one share of Class B-4 common stock. In addition to his indirect holdings through the trading firm, Mr. Carey beneficially owns an additional 1,904 shares of Class A common stock through a trust.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.