Form 5	-									
February 08, 2	018									
FORM	5				OMB A	PPROVAL				
Check this b no longer su	UNIT ox if bject	ED STATE	OMB Number: Expires:	3235-0362 January 31, 2005						
to Section 16. Form 4 or Form 5 obligations may continue.	orm A	ANNUAL ST	Estimated a burden hou response	irs per						
See InstructionFiled pursuant to Section 16(a) of the Securities Exchange Act of 1934,1(b).Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or SectionReported30(h) of the Investment Company Act of 1940TransactionsReported										
1. Name and Address of Reporting Person <u>*</u> Carey Charles P			2. Issuer Name and Ticker or Trading Symbol CME GROUP INC. [CME]	5. Relationship of I Issuer						
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended	(Uneck	c all applicable	e)				
20 S. WACKER DRIVE			(Month/Day/Year) 12/31/2017	X_ Director Officer (give t below)		b Owner er (specify				
(Street)			4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joi	-					
				(check	applicable line)				
CHICAGO,Â	ILÂ 60606	6		_X_ Form Filed by C Form Filed by M						

(City)	(State) (2	Zip) Table	e I - Non-Deri	vative Sec	urities	s Acqui	ired, Disposed o	f, or Beneficial	ly 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. Securi Acquired Disposed (Instr. 3, Amount	l (A) o l of (D)	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	29,141 <u>(1)</u>	Ι	By Firm
Common Stock Class A	Â	Â	Â	Â	Â	Â	3,198	Ι	by Trust

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

Carey Charles P

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.

Person

SEC 2270 (9-02)

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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)		ate	Amou Unde Secur	le and int of rlying ities . 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. of D So E I Is Fi (I
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships						
1 0	Director	10% Owner	Officer	Other			
Carey Charles P 20 S. WACKER DRIVE CHICAGO, IL 60606	ÂX	Â	Â	Â			
Signatures							
Margaret Austin Wright for Ch Carev	02	2/08/201	18				

Explanation of Responses:

**Signature of Reporting Person

* 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).

Date

This Form is being filed to correct the total number of shares beneficially held by Mr. Carey. Mr. Carey's aggregate ownership in prior reports incorrectly reflected his beneficial ownership of 20,000 shares of Class A common stock. These 20,000 shares of Class A

(1) common stock were assigned to the firm in which Mr. Carey is a partner solely for purposes of meeting certain share requirements established by the rules of CME Group's derivatives exchange for member fee purposes. Neither Mr. Carey nor the firm to which the shares were assigned had any voting or dispositive power over such shares.

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.