

OMB APPROVAL	
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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

- Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
- Form 3 Holdings Reported.
- Form 4 Transactions Reported.
- Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan for the purchase or sale of equity securities of the issuer that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10

1. Name and Address of Reporting Person* <u>Carey Charles P</u>			2. Issuer Name and Ticker or Trading Symbol <u>CME GROUP INC. [CME]</u>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)		
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) <u>12/31/2023</u>					
<u>20 S. WACKER DRIVE</u>			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person		
(Street)								
<u>CHICAGO</u>	<u>IL</u>	<u>60606</u>						
(City)	(State)	(Zip)						

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 at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Beneficial Ownership (Instr. 4)
				Amount	(A) or (D)	Price			
Common Stock Class A							10,163	I	by Trust
Common Stock Class A							0.375	I	by Partnership
Common Stock Class A							185	I	By Firm
Class B Common Stock, Series B-2	10/06/2023		S5	1 ⁽¹⁾	D	\$211.93	0	I	by Partnership
Class B Common Stock, Series B-1	10/09/2023		S5	1 ⁽²⁾	D	\$215.76	0	I	by Partnership
Class B Common Stock, Series B-3	10/09/2023		S5	1 ⁽²⁾	D	\$215.76	0	I	by Partnership
Class B Common Stock, Series B-4	10/10/2023		S5	1 ⁽³⁾	D	\$216.09	0	I	by Partnership

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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
					(A)	(D)	Date Exercisable	Expiration Date					

Explanation of Responses:

- This Form 5 is being filed to reflect an update to Mr. Carey's ownership of Class B shares that were previously reported as being indirectly owned by Mr. Carey in connection with his ownership of HC Technologies. Subsequent to the sale of HC Technologies' assets, one Class B-2 share was sold on October 6, 2023. The Class B common stock of CME Group Inc. is not listed on a national securities exchange or traded in an organized over-the-counter market. Each class of the Class B common stock is associated with a membership in a specific division of the exchange. We assume that because the Class B shares have the same equitable interest in our earnings and the same dividend payments as our Class A shares, that if reported separately from the associated trading rights, they would have the same market price as our Class A common stock. The closing price for our Class A common stock on October 6, 2023 was \$211.93.
- This Form 5 is being filed to reflect an update to Mr. Carey's ownership of Class B shares that were previously reported as being indirectly owned by Mr. Carey in connection with his ownership of HC Technologies. Subsequent to the sale of HC Technologies' assets, one Class B-1 share and one Class B-3 share were sold on October 9, 2023. The Class B common stock of CME Group Inc. is not listed on a national securities exchange or traded in an organized over-the-counter market. Each class of the Class B common stock is associated with a membership in a specific division of the exchange. We assume that because the Class B shares have the same equitable interest in our earnings and the same dividend payments as our Class A shares, that if reported separately from the associated trading rights, they would have the same market price as our Class A common stock. The closing price for our Class A common stock on October 9, 2023 was \$215.76.
- This Form 5 is being filed to reflect an update to Mr. Carey's ownership of Class B shares that were previously reported as being indirectly owned by Mr. Carey in connection with his ownership of HC Technologies. Subsequent to the sale of HC Technologies' assets, one Class B-4 share was sold on October 10, 2023. The Class B common stock of CME Group Inc. is not listed on a national securities exchange or traded in an organized over-the-counter market. Each class of the Class B common stock is associated with a membership in a specific division of the exchange. We assume that because the Class B shares have the same equitable interest in our earnings and the same dividend payments as our Class A shares, that if reported separately from the associated trading rights, they would have the same market price as our Class A common stock. The closing price for our Class A common stock on October 10, 2023 was \$216.09.

Remarks:

By: Jenelle Chalmers For: 03/15/2024
Charles P. Carey

** Signature of Reporting Person Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.