

Piell Hilda Harris
 Form 4
 September 18, 2018

FORM 4

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

OMB APPROVAL

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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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 Piell Hilda Harris

(Last) (First) (Middle)
 20 S. WACKER DRIVE
 (Street)

CHICAGO, IL 60606

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
 CME GROUP INC. [CME]

3. Date of Earliest Transaction
 (Month/Day/Year)
 09/14/2018

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Sr MD & Chief HR Officer

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

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 Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| | | | Code | V | Amount | (A) or (D) | Price |
| Common Stock Class A | 06/14/2018 | | G ⁽¹⁾ | V | 1,235 | D | \$ 0 |
| Common Stock Class A | 09/14/2018 | | A | | 3,464 | A | \$ 0 |
| Common Stock Class A | 09/15/2018 | | F | | 357 ⁽²⁾ | D | \$ 173.15 |
| Common Stock | 09/15/2018 | | F | | 486 ⁽²⁾ | D | \$ 173.15 |
| | | | | | | | 30,764 |
| | | | | | | | 32,405 |
| | | | | | | | 32,048 |
| | | | | | | | 31,562 |

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Class A

Common
Stock 09/15/2018 F 453 ⁽²⁾ D \$ 173.15 31,109 D
Class A

Common
Stock 09/15/2018 F 411 ⁽²⁾ D \$ 173.15 30,698 D
Class A

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

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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) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|--------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| Piell Hilda Harris 20 S. WACKER DRIVE CHICAGO, IL 60606 | | | Sr MD & Chief HR Officer | |

Signatures

By: Margaret Austin Wright For: Hilda Harris Piell 09/18/2018

__Signature of Reporting Person

Date

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) This transaction involved a gift of securities from the reporting person to her donor advised fund.

(2) Ms. Piell surrendered shares to the Company in order to fulfill tax withholding obligations upon the vesting of restricted stock on 9/15/18.

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

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