OConnor Carey Form 4 February 20, 2013

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

OMB 3235-0287 Number: January 31, Expires:

OMB APPROVAL

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per response... 0.5

5. Relationship of Reporting Person(s) to

Form 5 obligations may continue. See Instruction

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

1(b).

(\$1.25 par

value per share)

Common Stock (\$1.25 par

value per share)

02/18/2013

02/18/2013

(Print or Type Responses)

1. Name and Address of Reporting Person *

| Name and Address of Reporting Person * OConnor Carey | | | 2. Issuer Name and Ticker or Trading Symbol FLOWSERVE CORP [FLS] | | | | | 5. Relationship of Reporting Person(s) to Issuer | | | |
|--|---|---|---|--|--------------------|--------------------|------------------|--|--|--|--|
| (Last) 5215 N. O'0 2300 | (First) (1 | (| 3. Date of Earliest Transaction (Month/Day/Year) 02/18/2013 | | | | | (Check all applicable) Director 10% Owner _X_ Officer (give title Other (specify below) SVP, GC and Secretary | | | |
| | (Street) | | 4. If Amendment, Date Original Filed(Month/Day/Year) | | | | | 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person | | | |
| IRVING, T | (State) | (Zip) | Tabl | a I - Non-F | N arivativa | Socuri | ties Acai | Form filed by M Person nired, Disposed of | or Reneficial | | |
| 1.Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deeme Execution I any (Month/Day | d Date, if | 3. Transactic Code (Instr. 8) | 4. Securit | ties Acc sposed | quired of (D) | 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 o Indirect Beneficial Ownership (Instr. 4) | |
| Stock | | | | | | | Φ | | | | |

55

D

159.95

11,951

11,944

D

D

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

F

F

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SEC 1474 (9-02)

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

| 1. Title of | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Title | and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------|-------------|--------------|----------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transactio | onNumber | Expiration D | ate | Amoun | it of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Underl | ying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securit | ies | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. 3 | 3 and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | · | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | Ì |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | A | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | | Title Number | | | |
| | | | | | | Exercisable | | | | | |
| | | | | | | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

OConnor Carey 5215 N. O'CONNOR BLVD SUITE 2300 IRVING, TX 75039

SVP, GC and Secretary

Signatures

/s/ Luke E. Alverson, attorney-in-fact

02/20/2013

**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).

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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