

Smith Barbara
 Form 4
 October 25, 2012

FORM 4

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 *
 Smith Barbara

2. Issuer Name and Ticker or Trading Symbol
 COMMERCIAL METALS CO
 [CMC]

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)

(Last) (First) (Middle)
 C/O COMMERCIAL METALS COMPANY, 6565 N. MACARTHUR BLVD., SUITE 800
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
 10/23/2012

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 SrVP & CFO

IRVING, TX 75039
 (City) (State) (Zip)

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

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 Ownership (Instr. 4) | | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|-----|-------|
| | | | | (A) or (D) | Code | V | Amount | (D) | Price |

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 1474 (9-02)

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

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| 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 Security (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|
| Performance Shares | \$ 0 | 10/23/2012 | | A | 30,209 (1) | 08/31/2015 08/31/2015 | Common Stock 30 |
| Restricted Stock Units | \$ 0 | 10/23/2012 | | A | 30,209 | 10/23/2013(2) 10/23/2015 | Common Stock 30 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|------------|-------|
| | Director | 10% Owner | Officer | Other |
| Smith Barbara C/O COMMERCIAL METALS COMPANY 6565 N. MACARTHUR BLVD., SUITE 800 IRVING, TX 75039 | | | SrVP & CFO | |

Signatures

By: Rebecca N. Heffington For: Barbara R. Smith
10/25/2012

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).

The PSU award will vest at 75% if certain goal criteria are met: (1) ROIC is positive for three-year performance period (9/1/2012-8/31/2015); and (2) the cumulative EBITDA target for each fiscal year in the performance period as submitted from Business

(1) Plan achieved against target. If a positive ROIC is not met, then regardless of EBITDA performance achieved, this portion (75%) will not vest. The remaining 25% will vest relative to TSR measured over three-year performance period for the Company against Performance Peer Group, the result will be used to determine vesting levels of this portion of the award.

Award of restricted stock units under the 2006 Long-Term Equity Incentive Plan. Each restricted stock unit represents a contingent right to receive one share of CMC common stock. The restricted stock units ("RSU Awarded Units") vest and become payable as follows: (i)

(2) one-third of the total RSU Awarded Units on the first anniversary of the date of grant; (ii) one-third of the total RSU Awarded Units on the second anniversary of the date of grant; and (iii) one-third of the total RSU Awarded Units on the third anniversary of the date of grant.

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.