

WINDROW KIMBERLY G
 Form 4
 February 18, 2011

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 *
 WINDROW KIMBERLY G

2. Issuer Name and Ticker or Trading Symbol
 WESCO INTERNATIONAL INC
 [WCC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 225 WEST STATION SQUARE
 DRIVE, SUITE 700

3. Date of Earliest Transaction
 (Month/Day/Year)
 02/16/2011

___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Vice President, Human Resources

(Street)
 PITTSBURGH, PA 15219

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

(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 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.

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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 Derivative	2. Conversion	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if	4. Transaction of Derivative	5. Number	6. Date Exercisable and Expiration Date	7. Title and Amount of Underlying Securities
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Security (Instr. 3)	or Exercise Price of Derivative Security	any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	(Month/Day/Year)	(Instr. 3 and 4)				
			Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Appreciation Rights	\$ 60.05	02/16/2011	A		7,435		<u>(1)</u>	02/16/2021	Common Stock	7,435
Restricted Stock Units	<u>(2)</u>	02/16/2011	A		833		<u>(3)</u>	<u>(3)</u>	Common Stock	833

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
WINDROW KIMBERLY G 225 WEST STATION SQUARE DRIVE SUITE 700 PITTSBURGH, PA 15219			Vice President,	Human Resources

Signatures

/s/ Alessandra S. Michelini, as Attorney-in-Fact 02/18/2011

**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) The Stock Appreciation Right becomes exercisable in three (3) equal, annual installments beginning on the first anniversary of the date of grant.
- (2) Each Restricted Stock Unit represents a contingent right to receive one share of WESCO Common Stock.
- (3) The Restricted Stock Units vest in three years from the date of the 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.