

MUELLER MICHAEL G
 Form 5
 February 10, 2010

FORM 5

**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).
 Form 3 Holdings Reported Form 4 Transactions Reported

ANNUAL 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

1. Name and Address of Reporting Person *
MUELLER MICHAEL G
 (Last) (First) (Middle)

2. Issuer Name and Ticker or Trading Symbol
AMEREN CORP [AEE]

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

P.O. BOX 66149
 (Street)

3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year)
12/31/2009

____ Director _____ 10% Owner
 ____ Officer (give title below) Other (specify below)
 President of Subsidiary

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

6. Individual or Joint/Group Reporting
 (check applicable line)

ST. LOUIS, MO 63166-6149

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)	(A) or (D)	Price	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 Indirect Beneficial Ownership (Instr. 4)
Common Stock, \$.01 Par Value	Â	Â	Â	Â	Â	Â	1,527 ⁽¹⁾	I	By 401K
Common Stock, \$.01 Par Value	Â	Â	Â	Â	Â	Â	120 ⁽²⁾	I	By ESOP
Common Stock, \$.01 Par Value	Â	Â	Â	Â	Â	Â	64 ⁽³⁾	I	Custodian for Daughter

Common Stock, \$.01 Par Value	^	^	^	^	^	^	76 ⁽⁴⁾	I	#1 Custodian for Daughter #2
Common Stock, \$.01 Par Value	^	^	^	^	^	^	54 ⁽⁵⁾	I	Custodian for Son
Common Stock, \$.01 Par Value	^	^	^	^	^	^	8,507 ⁽⁶⁾	D	^

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

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(9-02)

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)		
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Performance Units	^	^	^	^	^ ^	^ ⁽⁷⁾	12/31/2010	Common Stock	991

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MUELLER MICHAEL G P.O. BOX 66149 ST. LOUIS, MO 63166-6149	^	^	^	President of Subsidiary

Signatures

G. L. Waters, Asst. Secy. for Michael G.
Mueller

02/10/2010

__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) Amount includes a total of 207 shares acquired monthly from January through December 2009 at prices ranging from \$20.12 to \$28.30 per share.
- (2) Amount includes a total of 7 shares acquired during the first through fourth quarters of 2009 through reinvested dividends at prices ranging from \$23.14 to \$28.30 per share.
- (3) Amount includes a total of 4 shares acquired during the first through fourth quarters of 2009 through reinvested dividends at prices ranging from \$23.14 to \$28.30 per share.
- (4) Amount includes a total of 5 shares acquired during the first through fourth quarters of 2009 through reinvested dividends at prices ranging from \$23.14 to \$28.30 per share.
- (5) Amount includes a total of 3 shares acquired during the first through fourth quarters of 2009 through reinvested dividends at prices ranging from \$23.14 to \$28.30 per share.
- (6) Amount includes a total of 498 shares acquired during the first through fourth quarters of 2009 through reinvested dividends at prices ranging from \$23.14 to \$28.30 per share.
- (7) Each performance unit represents a contingent right to receive one share of Ameren common stock. The performance units vest after a two year hold period.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.