

KISSINGER KAREN G
Form 4/A
August 18, 2010

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 *
KISSINGER KAREN G

2. Issuer Name and Ticker or Trading Symbol
UNISOURCE ENERGY CORP
[UNS]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director
 Officer (give title below) _____ Other (specify below)
VP, Controller and CCO

(Last) (First) (Middle)
1 S. CHURCH AVENUE, SUITE 201

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
08/12/2010

TUCSON, AZ 85701

4. If Amendment, Date Original Filed(Month/Day/Year)
08/13/2010

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 Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| | | | | Code V Amount (A) or (D) Price | | | |
| Common Stock | 08/12/2010 | | M | 7,000 A \$ 17.91 | 51,303 | D | |
| Common Stock | 08/12/2010 | | S | 7,000 D \$ 32.23 | 44,303 | D | |
| Common Stock | 08/12/2010 | | M | 1,152 A \$ 18.12 | 45,455 | D | |
| Common Stock | 08/12/2010 | | S | 1,152 D \$ 32.23 | 44,303 | 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) | 8. Amount or Number of Shares |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|-------------------------------|
| Employee Stock Option (right to buy) | \$ 17.91 | 08/12/2010 | | M | 7,000 | <u>(1)</u> 08/02/2011 | Common Stock | 7,000 |
| Employee Stock Option (right to buy) | \$ 18.12 | 08/12/2010 | | M | 1,152 | <u>(2)</u> 01/02/2012 | Common Stock | 1,152 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|--|---------------|-----------|------------------------|-------|
| | Director | 10% Owner | Officer | Other |
| KISSINGER KAREN G 1 S. CHURCH AVENUE SUITE 201 TUCSON, AZ 85701 | | | VP, Controller and CCO | |

Signatures

Amy J. Welander, Attorney
in Fact 08/18/2010

__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) The options vested in 3 equal installments on 8/2/2002, 8/2/2003 and 8/2/2004.
- (2) The options vested in 3 equal installments on 1/2/2003, 1/2/2004 and 1/2/2005.

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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