

UNISOURCE ENERGY CORP
 Form 4
 March 16, 2007

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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 *
 LARSON KEVIN P

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 1 S. CHURCH AVENUE, UE183
 (Street)

3. Date of Earliest Transaction
 (Month/Day/Year)
 03/14/2007

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

TUCSON, AZ 85701

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 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)

| 1. Title of Derivative Security | 2. Conversion or Exercise | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if any | 4. Transaction Code | 5. Number of | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Derivative Security |
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--------------|--|---|---------------------------------|
|---------------------------------|---------------------------|--------------------------------------|-----------------------------------|---------------------|--------------|--|---|---------------------------------|

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| (Instr. 3) | Price of Derivative Security | (Month/Day/Year) | (Instr. 8) | Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | (Instr. 5) | | | | | | |
|--|------------------------------------|------------------|------------|---|------------|-----|---------------------|--------------------|-----------------|--|----------|
| | | | Code | V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Phantom Stock Units ⁽¹⁾ | \$ 0 ⁽³⁾ | 03/14/2007 | A | | 6.1 | | ⁽¹⁾ (2) | ⁽²⁾ | Common Stock | 6.1 | \$ 37.19 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|----------------|-------|
| | Director | 10% Owner | Officer | Other |
| LARSON KEVIN P 1 S. CHURCH AVENUE UE183 TUCSON, AZ 85701 | | | Vice President | |

Signatures

C. David Lamoreaux, Attorney
in Fact

03/16/2007

**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) Credited as fully-vested dividend equivalents under the UniSource Energy Corporation Management and Directors Deferred Compensation Plan (the "DCP") with respect to dividends declared by the issuer on its Common Stock.
- (2) Payable at the time or times elected by the reporting person under the DCP and subject to earlier payment in accordance with the DCP.
- (3) Converts to common stock on a 1-for-1 basis.

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.