Hoekstra Arie Form 4 September 12, 2011

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL

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if no longer subject to Section 16. Form 4 or

Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

may continue. See Instruction

30(h) of the Investment Company Act of 1940 1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

Hoekstra Arie

201

2. Issuer Name and Ticker or Trading

Symbol

UNISOURCE ENERGY CORP

[UNS]

(Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year)

1 S. CHURCH AVENUE, SUITE 09/09/2011

(Zip)

(Street)

(State)

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

Director 10% Owner X_ Officer (give title Other (specify below)

Vice President

4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Applicable Line)

(A)

or

X Form filed by One Reporting Person Form filed by More than One Reporting

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

TUCSON, AZ 85701

(City)

(Instr. 3)

1. Title of 2. Transaction Date 2A. Deemed Security

(Month/Day/Year) Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial (I) Ownership (Instr. 4) (Instr. 4)

Reported Transaction(s) (Instr. 3 and 4) 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 SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

3. Transaction Date 3A. Deemed 1. Title of (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date Conversion

5. Number

6. Date Exercisable and

7. Title and Amount of 8. Price Underlying Securities Deriva

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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)		Securi (Instr.
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock Units (1)	\$ 0 (3)	09/09/2011		A	38.83		(1)(2)	(2)	Common Stock	38.83	\$ 36

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Hoekstra Arie 1 S. CHURCH AVENUE SUITE 201 TUCSON, AZ 85701

Vice President

Signatures

Diana K. Durako, Attorney in Fact 09/12/2011

**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) Each share of Phantom Stock is the economic equivalent of one share of common stock under the UniSource Energy Corporation Management and Directors Deferred Compensation Plan (the "DCP").
- (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.
- (4) The total reported holdings shown includes shares acquired by reinvesting dividends in unreported transactions pursuant to the Company's dividend reinvestment program.

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.

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