Grant Kentton C Form 4 March 07, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

if no longer STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF subject to **SECURITIES** Section 16.

Estimated average burden hours per response...

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

Form 5 obligations may continue. See Instruction 1(b).

Form 4 or

Check this box

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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Grant Kentton C Issuer Symbol UNISOURCE ENERGY CORP (Check all applicable) [UNS] (Last) (First) (Middle) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) 1 S. CHURCH AVENUE, SUITE 03/03/2011 Vice President 201 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Applicable Line) Filed(Month/Day/Year) _X_ Form filed by One Reporting Person Form filed by More than One Reporting TUCSON, AZ 85701

(City)	(State) ((Zip) Table	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly 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 on(A) or Disposed of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	03/03/2011		M	2,557	A	\$ 26.18	4,410	D	
Common Stock	03/03/2011		S	2,557	D	\$ 37.22	1,853	D	
Common Stock	03/03/2011		M	2,130	A	\$ 26.11	3,983	D	
Common Stock	03/03/2011		S	2,130	D	\$ 37.22	1,853	D	
Common Stock	03/03/2011		M	200	A	\$ 26.11	2,053	D	

 $\begin{array}{c} \text{Common} \\ \text{Stock} \end{array} \hspace{0.5in} 7,678.64 \hspace{0.5in} \text{I} \hspace{0.5in} \begin{array}{c} \text{By } 401(\textbf{k}) \\ \text{Plan} \end{array}$

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 (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. Transactic 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)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option (right to buy)	\$ 26.18	03/03/2011		M	2,557	<u>(1)</u>	02/27/2018	Common Stock	2,557
Employee Stock Option (right to buy)	\$ 26.11	03/03/2011		M	2,130	<u>(2)</u>	02/12/2019	Common Stock	2,130
Employee Stock Option (right to buy)	\$ 26.11	03/03/2011		M	200	(2)	02/12/2019	Common Stock	200

Reporting Owners

Reporting Owner Name / Address	Relationships						
Toporous o mar round / radaross	Director 10% Owner Officer		Officer	Other			
Grant Kentton C			Vice President				
1 S. CHURCH AVENUE							
SHITE 201							

Reporting Owners 2

TUCSON, AZ 85701

Signatures

Diana K. Durako, Attorney in Fact

03/07/2011

**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 options vest in 3 equal installments on February 27, 2009, 2010, and 2011.
- (2) The options vest in 3 equal installments on February 12, 2010, 2011, and 2012.

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.

Signatures 3