HANDY KE Form 4	ENNETH											
March 24, 20	010											
FORM	14_{UNITEDS}	ТАТЕС	SECUE	ITIFS	A 1	ND FY(יהחי	NCE	COMMISSION	r	PPROVAL	
<i></i>		IAILO				D.C. 205		NGE V		OMB Number:	3235-0287	
Check th if no long	ger				. T. T.		CIAI			Expires:	January 31, 2005	
subject to Section 16. Form 4 or Form 5 Filed pursuant to			F CHANGES IN BENEFICIAL OWNERSHI SECURITIES Section 16(a) of the Securities Exchange Act of 1							Estimated average burden hours per response		
obligatio may cont <i>See</i> Instr 1(b).	tinue. Section 17(a		Public Uti of the Inv	•		•	- ·		f 1935 or Sectio 40	'n		
(Print or Type]	Responses)											
1. Name and A HANDY K	Address of Reporting P ENNETH	erson <u>*</u>	Symbol			Ticker or T		-	5. Relationship of Issuer	f Reporting Per	son(s) to	
		UNISOURCE ENERGY CORP [UNS]						(Check all applicable)				
				e of Earliest Transaction n/Day/Year)					X_ Director10% Owner Officer (give titleOther (specify below)below)			
1 S. CHUR 201	CH AVENUE, SU	ITE	05/10/20	002					below)	below)		
				endment, Date Original nth/Day/Year)					 6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person 			
TUCSON, A	AZ 85701								Form filed by M Person	More than One Re	eporting	
(City)	(State) (2	Zip)	Table	e I - Non	ı-De	erivative S	Securi	ties Acc	quired, Disposed o	f, or Beneficial	lly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date 2A. Deem (Month/Day/Year) Execution any (Month/D		on Date, if Transactio Code Day/Year) (Instr. 8)			4. Securities onAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or Amount (D) Price			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 Indirect Beneficial Ownership (Instr. 4)	
Common Stock	05/10/2002			D	·	516	D	(<u>2</u>)	19,500 <u>(1)</u>	D		
Common Stock	01/02/2003			А		573	A	\$0	19,500 <u>(1)</u>	D		
Common Stock	01/02/2003			D		573	D	<u>(2)</u>	19,500 <u>(1)</u>	D		
Common Stock	01/03/2005			А		408	А	\$0	19,500 <u>(1)</u>	D		
Common Stock	01/03/2005			D		408	D	<u>(2)</u>	19,500 <u>(1)</u>	D		

Common Stock 01/02/2008

M 1,698 A (3) 19,500 (1) D

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.

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. Transactio Code (Instr. 8)	Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pr Deriv Secu (Inst
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units (in lieu of restricted stock)	<u>(4)</u>	05/10/2002		А	516	(4)	(4)	Common Stock	516	9
Stock Option (right to buy)	\$ 17.44	01/02/2003		А	2,358	<u>(8)</u>	<u>(8)</u>	Common Stock	2,358	\$
Restricted Stock Units (in lieu of restricted stock)	<u>(4)</u>	01/02/2003		А	573	<u>(4)</u>	<u>(4)</u>	Common Stock	573	9
Restricted Stock Units	<u>(5)</u>	01/03/2005		А	408	(5)	(5)	Common Stock	408	\$
Restricted Stock Units (in lieu of restricted	<u>(4)</u>	01/03/2005		Α	408	<u>(4)</u>	<u>(4)</u>	Common Stock	408	9

stock)									
Stock Units	<u>(7)</u>	04/01/2005	А	56	(7)	(7)	Common Stock	56	\$
Restricted Stock Units	<u>(6)</u>	05/06/2005	А	660	(6)	(6)	Common Stock	660	\$
Stock Units	<u>(7)</u>	07/01/2005	А	122	(7)	(7)	Common Stock	122	\$
Restricted Stock Units (in lieu of restricted stock)	<u>(3)</u>	01/02/2008	М	1,698	<u>(4)</u>	<u>(4)</u>	Common Stock	1,698	2

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
HANDY KENNETH 1 S. CHURCH AVENUE SUITE 201 TUCSON, AZ 85701	Х							
Signatures								
Amy J. Welander, Attorney in Fact		03/24/2010						
**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).

The reporting person included the transaction being reported in its holdings listed in this column, but mistakenly did not previously report
 (1) the underlying transaction. As such, current holdings are shown. The shares or units, as applicable, being reported in this filing were reflected in the reporting person's holdings as disclosed in prior proxy statements filed by UniSource Energy Corporation.

- (2) The reporting person exchanged restricted stock shares for an equivalent number of restricted stock units in lieu of restricted stock shares on the date of the grant of such restricted stock.
- (3) The reporting person settled his/her Restricted Stock Units for shares of common stock of UniSource Energy Corporation.
- (4) The restricted stock units in lieu of restricted stock vest on the third anniversary of the date of grant and are payable after vesting in accordance with the election of the reporting person on the date of grant.
- The restricted stock units vest as follows: 1/3 on the first anniversary of the date of grant, 1/3 on the second anniversary of the date of the grant, and 1/3 on the third anniversary of the date of the grant and are payable upon the reporting person's termination of service with UniSource Energy Corporation.
- (6) The restricted stock units were awarded as equity compensation to the reporting person and vest on the first anniversary of the date of grant and are payable upon the reporting person's termination of service with UniSource Energy Corporation.

The stock units were awarded to the reporting person for their service as chairperson of a committee, or lead director, as applicable, of the
(7) UniSource Energy Corporation Board of Directors. The stock units vest on the date of grant and are payable upon the reporting person's termination of service with UniSource Energy Corporation.

(8) The options vest as follows: 1/3 on the first anniversary of the date of the grant, 1/3 on the second anniversary of the date of the grant, and 1/3 on the third anniversary of the date of the grant. They expire on the date that is 10 years from the date of grant.

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.