# UNISOURCE ENERGY CORP

## FORM 3
(Initial Statement of Beneficial Ownership)

Filed 1/3/2007 For Period Ending 1/1/2007

| | |
|---|---|
| Address | ONE SOUTH CHURCH AVENUE SUITE 100 |
| | TUCSON, Arizona 85701 |
| Telephone | 520-571-4000 |
| CIK | 0000941138 |
| Industry | Electric Utilities |
| Sector | Utilities |
| Fiscal Year | 12/31 |

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# FORM 3

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

OMB APPROVAL
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## INITIAL STATEMENT OF 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

| 1. Name and Address of Reporting Person * | 2. Date of Event Requiring Statement (MM/DD/YYYY) | 3. Issuer Name **and** Ticker or Trading Symbol |
|---|---|---|
| **Grant Kentton C** | **1/1/2007** | **UNISOURCE ENERGY CORP [UNS]** |
| (Last) (First) (Middle)<br>**1 S. CHURCH AVENUE, UE201** | 4. Relationship of Reporting Person(s) to Issuer (Check all applicable)<br>_____ Director _____ 10% Owner<br>___ **X** ___ Officer (give title below) _____ Other (specify below)<br>**Vice President /** | |
| (Street)<br>**TUCSON, AZ 85702**<br>(City) (State) (Zip) | 5. If Amendment, Date Original Filed (MM/DD/YYYY) | 6. Individual or Joint/Group Filing (Check Applicable Line)<br>_ **X** _ Form filed by One Reporting Person<br>___ Form filed by More than One Reporting Person |

**Table I - Non-Derivative Securities Beneficially Owned**

| 1.Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|---|---|
| **Common Stock** | **2250** | **D** | |

**Table II - Derivative Securities Beneficially Owned ( *e.g.* , puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivate Security (Instr. 4) | 2. Date Exercisable and Expiration Date (MM/DD/YYYY) | | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) | | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---|---|---|---|---|---|---|---|
| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | | |

**Explanation of Responses:**

**Reporting Owners**

| Reporting Owner Name / Address | Relationships | | | |
|---|---|---|---|---|
| | Director | 10% Owner | Officer | Other |
| **Grant Kentton C**<br>**1 S. CHURCH AVENUE**<br>**UE201**<br>**TUCSON, AZ 85702** | | | **Vice President** | |

**Signatures**

**C. David Lamoreaux, Attorney in Fact** **1/3/2007**

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

***** If the form is filed by more than one reporting person, *see* Instruction 5(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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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.