

TUCSON ELECTRIC POWER CO  
Form 8-K  
March 23, 2011

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

**FORM 8-K**

**CURRENT REPORT**

**Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934**

**Date of Report (Date of earliest event reported): March 23, 2011**

| Commission<br>File Number | Registrant; State of Incorporation;<br>Address; and Telephone Number   | IRS Employer<br>Identification<br>Number |
|---------------------------|--|--|
| <b>1-13739</b>            | <b>UNISOURCE ENERGY CORPORATION</b><br>(An Arizona Corporation)<br>One South Church Avenue, Suite 100<br>Tucson, AZ 85701<br>(520) 571-4000  | <b>86-0786732</b>                        |
| <b>1-5924</b>             | <b>TUCSON ELECTRIC POWER COMPANY</b><br>(An Arizona Corporation)<br>One South Church Avenue, Suite 100<br>Tucson, AZ 85701<br>(520) 571-4000 | <b>86-0062700</b>                        |

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

**Item 7.01 Regulation FD Disclosure**

UniSource Energy Corporation is making presentations to investors and analysts March 23-24, 2011. The presentation will be available at <http://ir.uns.com/events.cfm> beginning on March 23, 2011. The presentation is attached hereto as Exhibit 99.1.

**Item 9.01 Financial Statements and Exhibits**

Exhibit 99.1 UniSource Energy Corporation Presentation to Investors and Analysts.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, each registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: March 23, 2011

**UNISOURCE ENERGY CORPORATION**

(Registrant)

/s/ Kevin P. Larson

Senior Vice President  
and Chief Financial Officer

Date: March 23, 2011

**TUCSON ELECTRIC POWER COMPANY**

(Registrant)

/s/ Kevin P. Larson

Senior Vice President  
and Chief Financial Officer