

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>MOORE WILLIAM B</u>  (Last) (First) (Middle) <u>818 SW KANSAS AVENUE</u>  (Street) <u>TOPEKA KS 66612</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>WESTAR ENERGY INC /KS [ WR ]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner  <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>President and CEO</u>
	3. Date of Earliest Transaction (Month/Day/Year) <u>01/13/2011</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	
		6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person  <input type="checkbox"/> Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially 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 (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Common Stock, par value \$5.00	01/13/2011		A <sup>(1)</sup>		14,924	A	\$0	282,657 <sup>(2)</sup>	D	
Common Stock, par value \$5.00	01/13/2011		F <sup>(3)</sup>		6,186	D	\$25.275	276,471 <sup>(2)</sup>	D	
Common Stock, par value \$5.00								102,985	I	By trust <sup>(4)</sup>
Common Stock, par value \$5.00								1,315	I	By trust <sup>(5)</sup>

**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. Transaction Code (Instr. 8)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)					

**Explanation of Responses:**

- Vesting and distribution of 14,924 performance-based restricted share units that were granted on February 24, 2010 and vested on January 1, 2011. The determination of the number of performance-based restricted share units that vested and that the performance criteria was met was made on January 13, 2011. Under the terms of the grant, the number of shares to be received by the Reporting Person is increased or decreased based on the Issuer's Total Shareholder Return as compared to the Total Shareholder Return for a defined Peer Group of companies for the defined Performance Period.
- Includes 82,000 restricted share units and performance-based restricted share units that are subject to forfeiture.
- Forfeiture of 6,186 shares for the payment of taxes upon the vesting and distribution of 14,924 performance-based restricted share units granted to the reporting person on 2/24/10 and described in this report.
- Shares are held in a trust, of which the reporting person is both a co-trustee and beneficiary of the trust.
- Shares are held in a trust, of which the reporting person is a co-trustee.

**Remarks:**

William B. Moore 01/17/2011  
 \*\* 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 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).

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 Number.