

INTEGRYS ENERGY GROUP, INC.
 Form 4
 May 18, 2007

FORM 4

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

OMB APPROVAL

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

STATEMENT OF CHANGES IN 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

(Print or Type Responses)

1. Name and Address of Reporting Person *
O LEARY JOSEPH P

2. Issuer Name and Ticker or Trading Symbol
INTEGRYS ENERGY GROUP, INC. [TEG]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
130 E. RANDOLPH DRIVE
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
05/16/2007

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Sr VP & Chf Financial Officer

CHICAGO, IL 60601

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

(City) (State) (Zip)

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 (D) Price			
Common Stock	05/16/2007		M	11,200 A \$ 34.38	11,514	D	
Common Stock	05/16/2007		S	11,200 D \$ 59.0209	314	D	
Common Stock	05/16/2007		M	6,000 A \$ 34.09	6,314	D	
Common Stock	05/16/2007		S	6,000 D \$ 59.0209	314	D	
Common Stock					542.3903	I	By ESOP

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

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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. Transaction 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 Security (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Employee Stock Option (Right to buy)	\$ 34.09 <u>(1)</u>	05/16/2007		M	6,000	12/13/2002	12/13/2011	Common Stock
Employee Stock Option (Right to buy)	\$ 34.38 <u>(3)</u>	05/16/2007		M	11,200	07/12/2002	07/12/2011	Common Stock
Employee Stock Option (Right to buy)	\$ 37.96 <u>(4)</u>					12/12/2003	12/12/2012	Common Stock
Employee Stock Option (Right to buy)	\$ 44.73 <u>(5)</u>					12/10/2004	12/10/2013	Common Stock
Employee Stock Option (Right to buy)	\$ 48.11 <u>(6)</u>					12/08/2005	12/08/2014	Common Stock
Employee Stock Option (Right to buy)	\$ 52.73 <u>(7)</u>					12/07/2007	12/07/2016	Common Stock
Employee Stock Option (Right to buy)	\$ 54.85 <u>(8)</u>					12/07/2006	12/07/2015	Common Stock

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Performance Rights	\$ 0 ⁽⁹⁾	01/01/2008 ⁽¹⁰⁾	06/30/2008	Common Stock
Performance Rights	\$ 0 ⁽⁹⁾	01/01/2009 ⁽¹⁰⁾	06/30/2009	Common Stock
Performance Rights	\$ 0 ⁽⁹⁾	01/01/2010 ⁽¹⁰⁾	06/30/2010	Common Stock
Phantom Stock Unit	⁽¹¹⁾	⁽¹²⁾	⁽¹³⁾	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
O LEARY JOSEPH P 130 E. RANDOLPH DRIVE CHICAGO, IL 60601			Sr VP & Chf Financial Officer	

Signatures

By: Peter H. Kauffman, as Power of Attorney For: Mr. O'Leary

05/18/2007

__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 option vests in four equal annual installments beginning on December 13, 2002.
- (2) This average sale price reflects multiple transactions at prices ranging from \$58.99 to \$59.08.
- (3) The option vests in four equal annual installments beginning on July 12, 2002.
- (4) The option vests in four equal annual installments beginning on December 12, 2003.
- (5) The option vests in four equal annual installments beginning on December 10, 2004.
- (6) The option vests in four equal annual installments beginning on December 8, 2005.
- (7) The option vests in four equal annual installments beginning on December 7, 2007.
- (8) The option vests in four equal annual installments beginning on December 7, 2006.
- (9) Performance shares vest and are issued three years after the performance shares are awarded and the final number of shares issued is determined based on company performance against an established industry benchmark.
- (10) Performance shares vest and are issued three years after the performance shares are awarded and the final number of shares issued is determined based on company performance against an established industry benchmark.
- (11) These phantom stock units convert to common stock on a one-for-one basis.
- (12) Unless the participant has selected a later commencement date, distribution of stock and equivalents will commence within 60 days following the end of the calendar year in which occurs the participant's retirement or termination of service.
- (13) Unless the participant has selected a later commencement date, distribution of stock and equivalents will commence within 60 days following the end of the calendar year in which occurs the participant's retirement or termination of service.

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

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