

O LEARY JOSEPH P  
 Form 4  
 February 21, 2012

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL  
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**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)  
 Director  10% Owner  
 Officer (give title below)  Other (specify below)  
 Sr VP & Chf Financial Officer

(Last) (First) (Middle)  
 130 EAST RANDOLPH STREET  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 02/16/2012

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

CHICAGO, IL 60601

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)			
Common Stock	02/16/2012		M	V	7,944	A	\$ 54.06	10,436.7259	D	
Common Stock	02/16/2012		D		6,355 <sup>(1)</sup>	D	\$ 54.06	4,081.7259	D	
Common Stock	02/16/2012		F		591.8881	D	\$ 54.06	3,489.8378	D	
Common Stock								2,348.7555	I	By ESOP

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

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(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 Underlying (Instr. 3 and 4)	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title
Performance Rights	\$ 0 <sup>(2)</sup>	02/16/2012		M	10,735	01/01/2012 <sup>(2)</sup>	06/30/2012	Common Stock
Phantom Stock Unit	<sup>(3)</sup>	02/16/2012		M	6,355 <sup>(4)</sup>	<sup>(5)</sup>	<sup>(5)</sup>	Common Stock
Employee Stock Option (Right to buy)	\$ 41.58 <sup>(6)</sup>					02/11/2011	02/11/2020	Common Stock
Employee Stock Option (Right to buy)	\$ 42.12 <sup>(7)</sup>					02/12/2010	02/12/2019	Common Stock
Employee Stock Option (Right to buy)	\$ 44.73 <sup>(8)</sup>					12/10/2004	12/10/2013	Common Stock
Employee Stock Option (Right to buy)	\$ 48.11 <sup>(9)</sup>					12/08/2005	12/08/2014	Common Stock
Employee Stock Option (Right to buy)	\$ 48.36 <sup>(10)</sup>					02/14/2009	02/14/2018	Common Stock
Employee Stock Option (Right to buy)	\$ 49.4 <sup>(11)</sup>					02/10/2012	02/10/2021	Common Stock
Employee Stock Option	\$ 52.73 <sup>(12)</sup>					12/07/2007	12/07/2016	Common Stock

(Right to  
buy)

Employee Stock Option (Right to buy)	\$ 53.24 <u>(13)</u>	02/09/2013	02/09/2022	Common Stock
Employee Stock Option (Right to buy)	\$ 54.85 <u>(14)</u>	12/07/2006	12/07/2015	Common Stock
Employee Stock Option (Right to buy)	\$ 58.65 <u>(15)</u>	05/17/2008	05/17/2017	Common Stock
Performance Rights	\$ 0 <u>(2)</u>	01/01/2013 <sup>(16)</sup>	06/30/2013	Common Stock
Performance Rights	\$ 0 <u>(2)</u>	01/01/2014 <sup>(2)</sup>	06/30/2014	Common Stock
Performance Rights	\$ 0 <u>(2)</u>	01/01/2015 <sup>(2)</sup>	06/30/2015	Common Stock
Restricted Stock Units 2009	<u>(17)</u>	<u>(18)</u>	<u>(18)</u>	Common Stock
Restricted Stock Units 2010	<u>(17)</u>	<u>(19)</u>	<u>(19)</u>	Common Stock
Restricted Stock Units 2011	<u>(17)</u>	<u>(20)</u>	<u>(20)</u>	Common Stock
Restricted Stock Units 2012	<u>(17)</u>	<u>(21)</u>	<u>(21)</u>	Common Stock

## Reporting Owners

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

## Signatures

By: Dane E. Allen, as Power of Attorney For: Mr.  
O'Leary

02/21/2012

\_\_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) A portion of the performance share payout was deferred; with 100% of the deferred portion going into Company common stock. Under the terms of the plan, payout deferrals may be deferred into Company common stock or other mutual funds within the Deferred Compensation Plan.
- (2) Performance stock rights represent the right to receive shares of common stock of the Company, in the event certain performance goals are satisfied. These goals are based on Company performance against an established industry benchmark, over a three year performance period. The final award of shares issued can be between 0% and 200% of the target award.
- (3) These phantom stock units convert to common stock on a one-for-one basis.
- (4) The acquired shares reflect the portion of the performance shares that have been deferred into Company common stock within the Company's Deferred Compensation Plan.
- (5) 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.
- (6) The option vests in four equal annual installments beginning on February 11, 2011.
- (7) The option vests in four equal annual installments beginning on February 12, 2010.
- (8) The option vests in four equal annual installments beginning on December 10, 2004.
- (9) The option vests in four equal annual installments beginning on December 8, 2005.
- (10) The option vests in four equal annual installments beginning on February 14, 2009.
- (11) The option vests in four equal annual installments beginning on February 10, 2012.
- (12) The option vests in four equal annual installments beginning on December 7, 2007.
- (13) The option vests in four equal annual installments beginning on February 9, 2013.
- (14) The option vests in four equal annual installments beginning on December 7, 2006.
- (15) The option vests in four equal annual installments beginning on May 17, 2008.
- (16) Performance stock rights represent the right to receive shares of common stock of the Company, in the event certain performance goals are satisfied. These goals are based on Company performance against an established industry benchmark, over a three year performance period. The final award of shares issued can be between 0% and 200% of the target award.
- (17) Each restricted stock unit represent a contingent right to receive one share of Company common stock.
- (18) The restricted stock units vest in four equal annual installments beginning on February 12, 2010.
- (19) The restricted stock units vest in four equal annual installments beginning on February 11, 2011.
- (20) The restricted stock units vest in four equal annual installments beginning on February 10, 2012.
- (21) The restricted stock units vest in four equal annual installments beginning on February 9, 2013.

### Remarks:

In Table II, due to a clerical error, 2,166.942 shares that were previously transferred to the reporting person's phantom stock unit.

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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