#### RADTKE MARK A

Form 4

February 16, 2011

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB

3235-0287 Number:

**OMB APPROVAL** 

January 31, Expires: 2005

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Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** RADTKE MARK A	2. Issuer Name <b>and</b> Ticker or Trading Symbol INTEGRYS ENERGY GROUP, INC. [TEG]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)		
(Last) (First) (Middle) 700 NORTH ADAMS STREET, P.O. BOX 19001	3. Date of Earliest Transaction (Month/Day/Year) 02/14/2011	Director 10% Owner Other (specify below)  Exec VP and Chief Strategy Off		
(Street) GREEN BAY, WI 54307-9001	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
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(City)	(State)	(Zip) Tabl	e I - Non-I	Derivative	Secui	rities Acq	uired, Disposed o	of, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)		5. Amount of 6. Securities Ownership Beneficially Form: Direct Owned (D) or Following Indirect (I)		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	02/14/2011		M	609	A	\$ 49.25	4,826.354	D	
Common Stock	02/14/2011		F	213	D	\$ 49.25	4,613.354 <u>(1)</u>	D	
Common Stock							5,014.9279	I	By ESOP
Common Stock							4,652	I	by Jt Trust w/Spouse

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. Transacti Code (Instr. 8)	o <b>ro</b> f Derivative			7. Title and A Underlying S (Instr. 3 and	Securit
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo Num Share
Restricted Stock Units 2008	<u>(2)</u>	02/14/2011		M	609	(3)	(3)	Common Stock	
Employee Stock Option (Right to buy)	\$ 41.58 (4)					02/11/2011	02/11/2020	Common Stock	2
Employee Stock Option (Right to buy)	\$ 42.12 ( <u>5)</u>					02/12/2010	02/12/2019	Common Stock	2
Employee Stock Option (Right to buy)	\$ 44.73 (6)					12/10/2004	12/10/2013	Common Stock	1
Employee Stock Option (Right to buy)	\$ 48.11 (7)					12/08/2005	12/08/2014	Common Stock	2
Employee Stock Option (Right to buy)	\$ 48.36 (8)					02/14/2009	02/14/2018	Common Stock	3
Employee Stock Option (Right to buy)	\$ 49.4 (9)					02/10/2012	02/10/2021	Common Stock	1

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Employee Stock Option (Right to buy)	\$ 52.73 (10)	12/07/2007	12/07/2016	Common Stock	2
Employee Stock Option (Right to buy)	\$ 54.85 (11)	12/07/2006	12/07/2015	Common Stock	2
Employee Stock Option (Right to buy)	\$ 58.65 (12)	05/17/2008	05/17/2017	Common Stock	(
Performance Rights	\$ 0 (13)	01/01/2011(14)	06/30/2011	Common Stock	5
Performance Rights	\$ 0 (13)	01/01/2012(14)	06/30/2012	Common Stock	é
Performance Rights	\$ 0 (13)	01/01/2013(14)	06/30/2013	Common Stock	7
Performance Rights	\$ 0 (13)	01/01/2014(13)	06/30/2014	Common Stock	4
Phantom Stock Unit	(15)	<u>(16)</u>	<u>(17)</u>	Common Stock	24,1
Restricted Stock Units 2009	(2)	<u>(18)</u>	<u>(18)</u>	Common Stock	1,1
Restricted Stock Units 2010	<u>(2)</u>	<u>(19)</u>	<u>(19)</u>	Common Stock	1,9
Restricted Stock Units 2011	<u>(2)</u>	<u>(20)</u>	(20)	Common Stock	2

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
RADTKE MARK A 700 NORTH ADAMS STREET			Exec VP and Chief				
P.O. BOX 19001 GREEN BAY, WI 54307-9001			Strategy Off				

Reporting Owners 3

#### **Signatures**

By: Dane E. Allen, Power of Attorney For: Mr. Radtke

02/16/2011

\*\*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).
- Reflects the withholding of shares to satisfy tax payment for vested shares of Restricted Stock Units (RSU) under the Company's 2007

  (1) Omnibus Incentive Compensation Plan. Under the terms of the plan, the fair market value of any fractional share of Common Stock not used to satisfy the withholding obligation will be paid in cash at the time the RSU's are settled.
- (2) Each restricted stock unit represent a contingent right to receive one share of Company common stock.
- (3) The restricted stock units vest in four equal annual installments beginning on February 14, 2009.
- (4) The option vests in four equal annual installments beginning on February 11, 2011.
- (5) The option vests in four equal annual installments beginning on February 12, 2010.
- (6) The option vests in four equal annual installments beginning on December 10, 2004.
- (7) The option vests in four equal annual installments beginning on December 8, 2005.
- (8) The option vests in four equal annual installments beginning on February 14, 2009.
- (9) The option vests in four equal annual installments beginning on February 10, 2012.
- (10) The option vests in four equal annual installments beginning on December 7, 2007.
- (11) The option vests in four equal annual installments beginning on December 7, 2006.
- (12) The option vests in four equal annual installments beginning on May 17, 2008.
- Performance stock rights represent the right to receive shares of common stock of the Company, in the event certain performance goals (13) 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.
- 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.
- (15) These phantom stock units convert to common stock on a one-for-one basis.
- 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.
- (17) 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.
- (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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 4