

RADTKE MARK A  
Form 4  
May 19, 2010

**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 \*  
RADTKE MARK A

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)  
700 NORTH ADAMS STREET, P.O. BOX 19001  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
05/17/2010

\_\_\_\_ Director  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
CEO Integrys Engy Servs, a sub

GREEN BAY, WI 54307-9001

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	05/17/2010		S	V	59.228	D	\$ 48.72
Common Stock					3,583.409 <sup>(1)</sup>	D	
Common Stock					4,811.0345	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)

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**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 Securities (Instr. 3 and 4)		
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount Number Shares
Employee Stock Option (Right to buy)	\$ 37.96 <u>(2)</u>					12/12/2003	12/12/2012	Common Stock	18
Employee Stock Option (Right to buy)	\$ 41.58 <u>(3)</u>					02/11/2011	02/11/2020	Common Stock	27
Employee Stock Option (Right to buy)	\$ 42.12 <u>(4)</u>					02/12/2010	02/12/2019	Common Stock	25
Employee Stock Option (Right to buy)	\$ 44.73 <u>(5)</u>					12/10/2004	12/10/2013	Common Stock	18
Employee Stock Option (Right to buy)	\$ 48.11 <u>(6)</u>					12/08/2005	12/08/2014	Common Stock	21
Employee Stock Option (Right to buy)	\$ 48.36 <u>(7)</u>					02/14/2009	02/14/2018	Common Stock	30
Employee Stock Option (Right to buy)	\$ 52.73 <u>(8)</u>					12/07/2007	12/07/2016	Common Stock	21
						12/07/2006	12/07/2015		23



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Reflects the sale of shares to satisfy tax payment for vested shares of Restricted Stock Awards under the Company's 2007 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 RSAs are settled.

- (2) The option vests in four equal annual installments beginning on December 12, 2003.
- (3) The option vests in four equal annual installments beginning on February 11, 2011.
- (4) The option vests in four equal annual installments beginning on February 12, 2010.
- (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 February 14, 2009.
- (8) The option vests in four equal annual installments beginning on December 7, 2007.
- (9) The option vests in four equal annual installments beginning on December 7, 2006.
- (10) The option vests in four equal annual installments beginning on May 17, 2008.
- (11) Performance rights vest and are issued three years after the performance rights are awarded and the final number of shares issued is determined based on company performance against an established industry benchmark.
- (12) Performance rights vest and are issued three years after the performance rights are awarded and the final number of shares issued is determined based on company performance against an established industry benchmark.
- (13) These phantom stock units convert to common stock on a one-for-one basis.
- (14) 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.
- (15) 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.
- (16) Each restricted stock unit represent a contingent right to receive one share of TEG common stock.
- (17) The restricted stock units vest in four equal annual installments beginning on February 14, 2009.
- (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.

### Remarks:

Table I reflects shares allocated by the Company's ESOP program on March 31, 2010.

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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