

INTEGRYS ENERGY GROUP, INC.
 Form 4
 May 15, 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 *
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

3. Date of Earliest Transaction (Month/Day/Year)
 05/14/2007

____ Director
 Officer (give title below)
 ____ 10% Owner
 ____ Other (specify below)
 Pres, Integrys Enrgy Ser a sub

(Street)
 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 Beneficial Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	05/14/2007		M	A	6,477	\$ 34.75	7,505 D
Common Stock	05/14/2007		S	D	6,477	\$ 59.3	1,028 D
Common Stock	05/14/2007		M	A	2,523	\$ 34.09	3,551 D
Common Stock	05/14/2007		S	D	2,523	\$ 59.3	1,028 D
Common Stock							2,914.5254 I By ESOP

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Common Stock 2,983 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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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	Am Nu Sha
Employee Stock Option (Right to buy)	\$ 34.09 ⁽¹⁾	05/14/2007		M	2,523	12/13/2002	12/13/2011	Common Stock	
Employee Stock Option (Right to buy)	\$ 34.75 ⁽²⁾	05/14/2007		M	6,477	12/14/2001	12/14/2010	Common Stock	
Employee Stock Option (Right to buy)	\$ 23.1875 ⁽³⁾					03/13/2001	03/13/2010	Common Stock	
Employee Stock Option (Right to buy)	\$ 29.875 ⁽⁴⁾					02/11/2000	02/11/2009	Common Stock	
Employee Stock Option (Right to buy)	\$ 37.96 ⁽⁵⁾					12/12/2003	12/12/2012	Common Stock	
Employee Stock Option (Right to buy)	\$ 44.73 ⁽⁶⁾					12/10/2004	12/10/2013	Common Stock	

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- (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 December 7, 2007.
- (9) The option vests in four equal annual installments beginning on December 7, 2006.
- (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) 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.
- (12) These phantom stock units convert to common stock on a one-for-one basis.
- (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.
- (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.

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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