WOLF BARTH J Form 4 May 14, 2010

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 5 obligations may continue. See Instruction

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * WOLF BARTH J			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) 700 NORTH STREET, P.O		(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/12/2010	Director 10% Owner Script Officer (give title Other (specify below) VP-Chief Legal Officer & Secy		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)		

GREEN BAY, WI 54307-9001

X Form filed by One Reporting Person

Form filed by More than One Reporting

(City)	(State)	Zip) Tabl	e I - Non-D	erivative	Secur	ities Acq	uired, Disposed o	f, or Beneficial	ly 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 ion(A) or Disposed of (D) (Instr. 3, 4 and 5)			Securities For Beneficially (D) Owned Ind	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common Stock	05/12/2010		M	4,100	A	\$ 37.96	5,410.041	D	
Common Stock	05/12/2010		S	4,100	D	\$ 49	1,310.041	D	
Common Stock	05/12/2010		M	19	A	\$ 37.96	1,329.041	D	
Common Stock	05/12/2010		S	19	D	\$ 49.01	1,310.041	D	
Common Stock							1,136.3513	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. Transacti Code (Instr. 8)	Securities		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amor Underlying Secur (Instr. 3 and 4)	
				Code V		(D)	Date Exercisable	Expiration Date	Title	An Nu Sha
Employee Stock Option (Right to buy)	\$ 37.96 (1)	05/12/2010		M	4	1,100	12/12/2003	12/12/2012	Common Stock	
Employee Stock Option (Right to buy)	\$ 37.96 (1)	05/12/2010		M		19	12/12/2003	12/12/2012	Common Stock	
Employee Stock Option (Right to buy)	\$ 41.58 (2)						02/11/2011	02/11/2020	Common Stock	
Employee Stock Option (Right to buy)	\$ 42.12 (3)						02/12/2010	02/12/2019	Common Stock	
Employee Stock Option (Right to buy)	\$ 44.73 (4)						12/10/2004	12/10/2013	Common Stock	
Employee Stock Option (Right to buy)	\$ 48.11 (5)						12/08/2005	12/08/2014	Common Stock	
Employee Stock Option (Right to buy)	\$ 48.36 (6)						02/14/2009	02/14/2018	Common Stock	

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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 (8)	12/07/2006	12/07/2015	Common Stock	
Employee Stock Option (Right to buy)	\$ 58.65 (9)	05/17/2008	05/17/2017	Common Stock	
Performance Rights	\$ 0 <u>(10)</u>	01/01/2011(11)	06/30/2011	Common Stock	
Performance Rights	\$ 0 <u>(10)</u>	01/01/2012(11)	06/30/2012	Common Stock	
Performance Rights	\$ 0 <u>(10)</u>	01/01/2013(11)	06/30/2013	Common Stock	
Phantom Stock Unit	<u>(12)</u>	<u>(13)</u>	(14)	Common Stock	9.
Restricted Stock Units 2008	<u>(15)</u>	(16)	(16)	Common Stock	8
Restricted Stock Units 2009	<u>(15)</u>	<u>(17)</u>	(17)	Common Stock	1,
Restricted Stock Units 2010	<u>(15)</u>	(18)	(18)	Common Stock	1,

Reporting Owners

Reporting Owner Name / Address	Relationships						
Fg	Director	10% Owner	Officer	Other			
WOLF BARTH J 700 NORTH ADAMS STREET P.O. BOX 19001 GREEN BAY, WI 54307-9001			VP-Chief Legal Officer & Secy				

Signatures

By: Dane E. Allen, as Power of Attorney For: Mr.	05/14/2010
Wolf	03/14/2010

**Signature of Reporting Person Date

Reporting Owners 3

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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 12, 2003.
- (2) The option vests in four equal annual installments beginning on February 11, 2011.
- (3) The option vests in four equal annual installments beginning on February 12, 2010.
- (4) The option vests in four equal annual installments beginning on December 10, 2004.
- (5) The option vests in four equal annual installments beginning on December 8, 2005.
- (6) The option vests in four equal annual installments beginning on February 14, 2009.
- (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) The option vests in four equal annual installments beginning on May 17, 2008.
- (10) 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.
- (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) 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.
- 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) Each restricted stock unit represent a contingent right to receive one share of TEG common stock.
- (16) The restricted stock units vest in four equal annual installments beginning on February 14, 2009.
- (17) The restricted stock units vest in four equal annual installments beginning on February 12, 2010.
- (18) The restricted stock units vest in four equal annual installments beginning on February 11, 2011.

Remarks:

Table 1, Line 4 reflects dividends paid on Restricted Stock Awards and reinvested in additional Restricted Stock on March 22. 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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