INTEGRYS ENERGY GROUP, INC.

Form 4

September 24, 2007

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

OMB APPROVAL

OMB Number: 3235-0287

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 Fi 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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **MEINZ THOMAS P** Issuer Symbol INTEGRYS ENERGY GROUP, (Check all applicable) INC. [TEG] (Middle) (Last) (First) 3. Date of Earliest Transaction Director 10% Owner X_ Officer (give title Other (specify (Month/Day/Year) below) 700 NORTH ADAMS STREET, P. 09/20/2007 Exec VP - External Affairs O. BOX 19001 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Street) 4. If Amendment, Date Origin 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

GREEN BAY, WI 54307-9001

(State)

(City)

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secur	ities Acqui	red, Disposed of,	or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	(A) or		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	09/20/2007		A	46.325	A	\$ 52.145	3,706.322	I	by SIP in JT Trust
Common Stock							916.049	D	
Common Stock							6,759.9094	I	By ESOP

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

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displays a currently valid OMB control number.

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)	Code	TransactionDerivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Am Underlying Sec (Instr. 3 and 4)		
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	A oi N
Phantom Stock Unit	(1)	09/20/2007		A		181.54		(2)	(3)	Common Stock	1
Employee Stock Option (Right to buy)	\$ 34.09 (4)							12/13/2002	12/13/2011	Common Stock	1
Employee Stock Option (Right to buy)	\$ 34.75 (5)							12/14/2001	12/14/2010	Common Stock	
Employee Stock Option (Right to buy)	\$ 37.96 (6)							12/12/2003	12/12/2012	Common Stock	1
Employee Stock Option (Right to buy)	\$ 44.73 (7)							12/10/2004	12/10/2013	Common Stock	1
Employee Stock Option (Right to buy)	\$ 48.11 (8)							12/08/2005	12/08/2014	Common Stock	1
Employee Stock Option (Right to buy)	\$ 52.73 (9)							12/07/2007	12/07/2016	Common Stock	1
Employee Stock Option (Right to buy)	\$ 54.85 (10)							12/07/2006	12/07/2015	Common Stock	1

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Employee Stock Option (Right to buy)	\$ 58.65 (11)	05/17/2008	05/17/2017	Common Stock
Performance Rights	\$ 0 <u>(12)</u>	01/01/2007(13)	06/30/2007	Common Stock
Performance Rights	\$ 0 <u>(12)</u>	01/01/2009(13)	06/30/2009	Common Stock
Performance Rights	\$ 0 <u>(14)</u>	12/31/2009(14)	03/31/2010	Common Stock
Performance Rights	\$ 0 <u>(12)</u>	01/01/2010(13)	06/30/2010	Common Stock

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

MEINZ THOMAS P
700 NORTH ADAMS STREET
P. O. BOX 19001

Exec VP - External Affairs

GREEN BAY, WI 54307-9001

Signatures

By: Barth J. Wolf, as Power of Attorney For: Mr.

Meinz

09/24/2007

**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) 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.
- (3) 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.
- (4) The option vests in four equal annual installments beginning on December 13, 2002.
- (5) The option vests in four equal annual installments beginning on December 14, 2001.
- (6) The option vests in four equal annual installments beginning on December 12, 2003.
- (7) The option vests in four equal annual installments beginning on December 10, 2004.
- (8) The option vests in four equal annual installments beginning on December 8, 2005.
- (9) The option vests in four equal annual installments beginning on December 7, 2007.
- (10) The option vests in four equal annual installments beginning on December 7, 2006.
- (11) The option vests in four equal annual installments beginning on May 17, 2008.

Reporting Owners 3

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- 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.
- 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.
- (14) The final number of shares issued will be based on company performance against an established industry benchmark for the performance period April 1, 2007, to December 31, 2009.

Remarks:

Table 1, line 1 reflects dividends paid on Restricted Stock and reinvested in additional Restricted Stock under the company's 2 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.