

INTEGRYS ENERGY GROUP, INC.
 Form 4
 September 24, 2007

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

OMB APPROVAL
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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 *
MEINZ THOMAS P

 (Last) (First) (Middle)
 700 NORTH ADAMS STREET, P. O. BOX 19001
 (Street)
 GREEN BAY, WI 54307-9001
 (City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
INTEGRYS ENERGY GROUP, INC. [TEG]

3. Date of Earliest Transaction (Month/Day/Year)
09/20/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer
 (Check all applicable)
 ___ Director ___ 10% Owner
 Officer (give title below) ___ Other (specify below)
 Exec VP - External Affairs

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 ___ Form filed by More than One Reporting Person

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)
			Code	V Amount (D) Price			
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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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
Phantom Stock Unit	<u>(1)</u>	09/20/2007		A	181.54	<u>(2)</u>	<u>(3)</u>	Common Stock
Employee Stock Option (Right to buy)	\$ <u>34.09</u> <u>(4)</u>					12/13/2002	12/13/2011	Common Stock
Employee Stock Option (Right to buy)	\$ <u>34.75</u> <u>(5)</u>					12/14/2001	12/14/2010	Common Stock
Employee Stock Option (Right to buy)	\$ <u>37.96</u> <u>(6)</u>					12/12/2003	12/12/2012	Common Stock
Employee Stock Option (Right to buy)	\$ <u>44.73</u> <u>(7)</u>					12/10/2004	12/10/2013	Common Stock
Employee Stock Option (Right to buy)	\$ <u>48.11</u> <u>(8)</u>					12/08/2005	12/08/2014	Common Stock
Employee Stock Option (Right to buy)	\$ <u>52.73</u> <u>(9)</u>					12/07/2007	12/07/2016	Common Stock
Employee Stock Option (Right to buy)	\$ <u>54.85</u> <u>(10)</u>					12/07/2006	12/07/2015	Common Stock

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- (12) 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.
- (13) 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.

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