

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 *
MIKULSKY PHILLIP M

 (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 & Chief Dev Officer

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 Ownership (Instr. 4)
				(A) or (D) Code V Amount (D) Price			
Common Stock					5,322.735	D	
Common Stock					6,967.1539	I	By ESOP
Common Stock					7,501	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 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	351.5552	<u>(2)</u> <u>(3)</u>	Common Stock
Employee Stock Option (Right to buy)	\$ 34.09 <u>(4)</u>					12/13/2002 12/13/2011	Common Stock
Employee Stock Option (Right to buy)	\$ 37.96 <u>(5)</u>					12/12/2003 12/12/2012	Common Stock
Employee Stock Option (Right to buy)	\$ 44.73 <u>(6)</u>					12/10/2004 12/10/2013	Common Stock
Employee Stock Option (Right to buy)	\$ 48.11 <u>(7)</u>					12/08/2005 12/08/2014	Common Stock
Employee Stock Option (Right to buy)	\$ 52.73 <u>(8)</u>					12/07/2007 12/07/2016	Common Stock
Employee Stock Option (Right to buy)	\$ 54.85 <u>(9)</u>					12/07/2006 12/07/2015	Common Stock
Employee Stock Option (Right to buy)	\$ 58.65 <u>(10)</u>					05/17/2008 05/17/2017	Common Stock
Performance Rights	\$ 0 <u>(11)</u>					01/01/2008 ⁽¹²⁾ 06/30/2008	Common Stock

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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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