

Guc William J
 Form 3/A
 December 23, 2010

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Guc William J		(Month/Day/Year)	INTEGRYS ENERGY GROUP, INC. [TEG]	
(Last)	(First)	(Middle)	12/01/2010	
130 EAST RANDOLPH DRIVE		4. Relationship of Reporting Person(s) to Issuer		
(Street)		(Check all applicable)		
CHICAGO, IL 60601		<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other (give title below) (specify below) Vice President and Treasurer		
(City)	(State)	(Zip)	5. If Amendment, Date Original Filed(Month/Day/Year)	
			12/03/2010	
1. Title of Security (Instr. 4)		2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	561		D ⁽¹⁾	

Table I - Non-Derivative Securities Beneficially Owned

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly. SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable Expiration Date	Title Amount or Number of			

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Restricted Stock Units 2008	Â (2)	Â (2)	Common Stock	808,3327 (3)	\$ (4)	(I) (Instr. 5) D	Â
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Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Guc William J 130 EAST RANDOLPH DRIVE CHICAGO, IL 60601	Â	Â	Â Vice President and Treasurer	Â

Signatures

Dane E. Allen, as Power of Attorney for
Mr. Guc

12/23/2010

__Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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 561 shares were originally reported incorrectly as being held indirectly by the reporting person under the Company's Stock Investment Plan.
- (2) The restricted stock units vest in four equal annual installments beginning on February 14, 2009.
- (3) The balance now includes the nondeferred portion of the award which was not reported on the Form 3.
- (4) Each restricted stock unit represent a contingent right to receive one share of TEG common stock.

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Remarks:

-Although the reporting persons Power of Attorney had been properly and timely executed, the form

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.