

Guc William J
 Form 3
 December 03, 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 | 5. If Amendment, Date Original Filed(Month/Day/Year) |
| (Street) | | | (Check all applicable) | |
| CHICAGO, IL 60601 | | | <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner | 6. Individual or Joint/Group Filing(Check Applicable Line) |
| (City) | (State) | (Zip) | <input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other | <input checked="" type="checkbox"/> Form filed by One Reporting Person |
| | | | (give title below) (specify below) | <input type="checkbox"/> Form filed by More than One Reporting Person |
| | | | Vice President and Treasurer | |

Table I - Non-Derivative Securities Beneficially Owned

| 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 | 1,587.0662 | I | By ESOP |
| Common Stock | 561 | I | by Stk Invest Plan |

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 | 5. Ownership Form of Derivative Security | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|---|---|--|---|
|--|--|---|---|--|---|

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| | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | Security | Direct (D) or Indirect (I) (Instr. 5) | |
|-----------------------------|------------------|-----------------|--------------|----------------------------|----------|---------------------------------------|---|
| Phantom Stock Unit | Â (1) | Â (2) | Common Stock | 1,621.5765 | \$ (3) | D | Â |
| Restricted Stock Units 2008 | Â (4) | Â (4) | Common Stock | 269.8857 | \$ (5) | D | Â |
| Restricted Stock Units 2009 | Â (6) | Â (6) | Common Stock | 1,168.187 | \$ (5) | D | Â |
| Restricted Stock Units 2010 | Â (7) | Â (7) | Common Stock | 2,034.6216 | \$ (5) | D | Â |

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

By: Dane E. Allen, as Power of Attorney For: 12/03/2010
Mr. Guc

__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) 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.
- (2) 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) These phantom stock units convert to common stock on a one-for-one basis.
- (4) The restricted stock units vest in four equal annual installments beginning on February 14, 2009.
- (5) Each restricted stock unit represent a contingent right to receive one share of TEG common stock.
- (6) The restricted stock units vest in four equal annual installments beginning on February 12, 2010.
- (7) The restricted stock units vest in four equal annual installments beginning on February 11, 2011.

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.