

SECURITIES AND EXCHANGE COMMISSION

FORM 4

Statement of changes in beneficial ownership of securities

Filing Date: **2010-06-01** | Period of Report: **2010-05-28**
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REPORTING OWNER

PROTZ WILLIAM F JR

CIK: **1186162**

Type: **4** | Act: **34** | File No.: **001-11337** | Film No.: **10869932**

ISSUER

INTEGRYS ENERGY GROUP, INC.

CIK: **916863** | IRS No.: **391775292** | State of Incorporation: **WI** | Fiscal Year End: **1231**
SIC: **4931** Electric & other services combined

Mailing Address

*130 EAST RANDOLPH DRIVE
CHICAGO IL 60601*

Business Address

*130 EAST RANDOLPH DRIVE
CHICAGO IL 60601
800-699-1269*

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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. Name and Address of Reporting Person PROTZ WILLIAM F JR			2. Issuer Name and Ticker or Trading Symbol INTEGRYS ENERGY GROUP, INC. [TEG]			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 05/28/2010			6. Individual or Joint/Group Filing (Check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person		
130 EAST RANDOLPH DRIVE (Street)			4. If Amendment, Date Original Filed(Month/Day/Year)					
CHICAGO, IL 60601 (City) (State) (Zip)								

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	(A) or (D)	Price			
Common Stock								4,202	D	
Common Stock								76,559	I	As Ttee/H. Wrench Tr
Common Stock								47,282	I	As Ttee/R Wrench Tr
Common Stock								23,351	I	by Spouse
Common Stock								21,680	I	by Spouse by SIP
Common Stock								2,637.291	I	by Stk Invest Plan

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 Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Phantom Stock Unit	(1)	05/28/2010		A		138.2132		(2)	(3)	Common Stock	138.2132	\$45.22	5,962.7405	D	

Deferred Stock Unit	(4)					(2)	(3)	Common Stock	13,354.8536		13,354.8536	D	
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Explanation of Responses:

1. These phantom stock units convert to common stock on a one-for-one basis.
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. 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. These deferred stock units convert to common stock on a one-for-one basis.

Signatures

By: Dane E. Allen, as Power of Attorney For: Mr. Protz

** Signature of Reporting Person

06/01/2010

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

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 Number.