

INTEGRYS ENERGY GROUP, INC.

Form 8-K

April 11, 2008

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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of
the Securities Exchange Act of 1934

Date of Report: April 7, 2008
(Date of earliest event reported)

| Commission File Number | Registrant; State of Incorporation Address; and Telephone Number | IRS Employer Identification No. |
|---------------------------|---|------------------------------------|
| 1-11337 | INTEGRYS ENERGY GROUP, INC. (A Wisconsin Corporation) 130 East Randolph Drive Chicago, Illinois 60601-6207 (312) 228-5400 | 39-1775292 |

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
-

Item 5.02

Departure of Director or Certain Officers; Election of Directors;
Appointment of Certain Officers; Compensatory Arrangement with
Certain Officers.

On April 7, 2008, Ms. Diana S. Ferguson provided notice of her resignation from the Board of Directors of Integrys Energy Group, Inc. Ms. Ferguson's resignation, which was effective April 7, 2008, is for personal reasons and not as a result of any disagreement with Integrys Energy Group. As a result of Ms. Ferguson's resignation and the previous announcement of James R. Boris that he will leave the Board after Integrys Energy Group's annual shareholder meeting in May 2008, the Board of Directors anticipates reducing the number of directors on the Board.

2

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

INTEGRYS ENERGY GROUP, INC.

By: /s/ Barth J.
Wolf

Barth J. Wolf
Vice President – Chief Legal Officer and Secretary

Date: April 11, 2008