UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

FORM 8-K

CURRENT REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE **SECURITIES EXCHANGE ACT OF 1934**

Date of report (Date of earliest event reported)

December 21, 2004

NRG Energy, Inc.

(Exact Name of Registrant as Specified in Its Charter)

Delaware

(State or Other Jurisdiction of Incorporation)

001-15891

(Commission File Number)

211 Carnegie Center

(Address of Principal Executive Offices)

609-524-4500

(Registrant's Telephone Number, Including Area Code)

901 Marquette Avenue, Suite 2300, Minneapolis, MN 55402

(Former Name or Former Address, if Changed Since Last Report)

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 (see General Instruction A.2. below):

UWritten 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))

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Princeton, NJ 08540

(Zip Code)

41-1724239

(IRS Employer Identification No.)

Item 7.01 Regulation FD Disclosure

On December 21, 2004, NRG Energy, Inc., or the Company, completed the repurchase of 13 million shares of common stock from MatlinPatterson Global Opportunities Partners, L.P. and MatlinPatterson Global Opportunities Partners (Bermuda) L.P. at a purchase price of approximately \$31.16 per share, in accordance with the terms of the Stock Purchase Agreement dated December 7, 2004, by and among the Company and MatlinPatterson Global Advisers LLC, MatlinPatterson Global Opportunities Partners, L.P. and MatlinPatterson Global Opportunities Partners (Bermuda) L.P., or the Stock Purchase Agreement.

Pursuant to the terms of the Stock Purchase Agreement, Mark R. Patterson, Ramon Betolaza and Frank S. Plimpton ceased to be directors of the Company, and the Registration Rights Agreement dated December 5, 2003, by and among the Company, MatlinPatterson Global Opportunities Partners, L.P. and MatlinPatterson Global Opportunities Partners (Bermuda) L.P. was terminated.

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.

NRG Energy, Inc. (Registrant)

By: /s/ TIMOTHY W. J. O'BRIEN

Dated: December 21, 2004

Timothy W. J. O'Brien Vice President, Secretary and General Counsel