

U.S. SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 12b-25

CUSIP Number: 629377508
Commission File Number: 001-15891

NOTIFICATION OF LATE FILING

(Check One): Form 10-K Form 20-F Form 11-K Form 10-Q Form N-SAR Form N-CSR

For Period Ended: December 31, 2004

- Transition Report on Form 10-K
- Transition Report on Form 20-F
- Transition Report on Form 11-K
- Transition Report on Form 10-Q
- Transition Report on Form N-SAR

For the Transition Period Ended: _____

Nothing in this form shall be construed to imply that the Commission has verified any information contained herein.

If the notification relates to a portion of the filing checked above, identify the Item(s) to which the notification relates:

**PART I
REGISTRANT INFORMATION**

NRG Energy, Inc.

Full Name of Registrant

N/A

Former Name if Applicable

211 Carnegie Center

Address of Principal Executive Office (Street and number)

Princeton, New Jersey 08540

City, State and Zip Code

**PART II
RULES 12b-25(b) AND (c)**

If the subject report could not be filed without unreasonable effort or expense and the registrant seeks relief pursuant to Rule 12b-25(b), the following should be completed. (Check box if appropriate)

- (a) The reasons described in reasonable detail in Part III of this form could not be eliminated without unreasonable effort or expense;
 - (b) The subject annual report, semi-annual report, transition report on Form 10-K, Form 20-F, Form 11-K, Form N-SAR or Form N-CSR, or portion thereof, will be filed on or before the fifteenth calendar day following the prescribed due date; or the subject quarterly report or transition report on Form 10-Q, or
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portion thereof, will be filed on or before the fifth calendar day following the prescribed due date; and (c) The accountant's statement or other exhibit required by Rule 12b-25(c) has been attached if applicable.

**PART III
NARRATIVE**

State below in reasonable detail the reasons why Forms 10-K, 11-K, 20-F, 10-Q, N-SAR, N-CSR, or the transition report or portion thereof, could not be filed within the prescribed time period.

Management of NRG Energy, Inc. is in the process of completing its assessment of the effectiveness of its internal control over financial reporting as required by Section 404 of the Sarbanes-Oxley Act of 2002, and therefore, we will not be able to timely file our Form 10-K for the fiscal year ended December 31, 2004, as due on March 16, 2005, without incurring an unreasonable amount of effort and expense. We expect to be able to file the Form 10-K within fifteen calendar days, on or before March 31, 2005.

(Attach extra sheets if needed.)

**PART IV
OTHER INFORMATION**

(1) Name and telephone number of person to contact in regard to this notification

James J. Ingoldsby

(Name)

609-524-4731

(Area Code)(Telephone Number)

(2) Have all other periodic reports required under Section 13 or 15(d) of the Securities Exchange Act of 1934 or Section 30 of the Investment Company Act of 1940 during the preceding 12 months or for such shorter period that the registrant was required to file such report(s) been filed? If the answer is no, identify report(s).

[x] Yes [] No

(3) Is it anticipated that any significant change in results of operations from the corresponding period for the last fiscal year will be reflected by the earnings statements to be included in the subject report or portion thereof?

[x] Yes [] No

If so, attach an explanation of the anticipated change, both narratively and quantitatively, and, if appropriate, state the reasons why a reasonable estimate of the results cannot be made.

NRG Energy's 2004 results will not be comparable to the corresponding prior year period for a number of reasons related to significant corporate events that have taken place during 2003, including emergence from bankruptcy, significant financing transactions, asset dispositions and the impact of fresh start reporting on NRG Energy's financial reporting.

NRG Energy, Inc.

(Name of Registrant as Specified in Charter)
has caused this notification to be signed on its behalf by the undersigned hereunto duly authorized.

Date: March 16, 2005

By: /s/ Robert C. Flexon
Robert C. Flexon
Chief Financial Officer

INSTRUCTION: The form may be signed by an executive officer of the registrant or by any other duly authorized representative. The name and title of the person signing the form shall be typed or printed beneath the signature. If the statement is signed on behalf of the registrant by an authorized representative (other than an executive officer), evidence of the representative's authority to sign on behalf of the registrant shall be filed with the form.

ATTENTION

Intentional misstatements or omissions of fact constitute
Federal Criminal Violations (See 18 U.S.C. 1001).
