

NRG ENERGY, INC.  
Form 8-K  
September 24, 2007

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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 (Date of Earliest Event Reported):

September 24, 2007

NRG Energy, Inc.

(Exact name of registrant as specified in its charter)

Delaware

001-15891

41-1724239

(State or other jurisdiction  
of incorporation)

(Commission  
File Number)

(I.R.S. Employer  
Identification No.)

211 Carnegie Center, Princeton, New Jersey

08540

(Address of principal executive offices)

(Zip Code)

Registrant's telephone number, including area code:

609-524-4500

Not Applicable

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:

- 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))

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**Item 8.01 Other Events.**

NRG Energy, Inc. ("NRG") announced that NRG and South Texas Project Nuclear Operating Company will file a Combined Construction and Operating License Application today with the Nuclear Regulatory Commission to build and operate two new nuclear units at the South Texas Project nuclear power station site. A copy of the press release is included as an exhibit to this Form 8-K and is hereby incorporated by reference.

**Item 9.01 Financial Statements and Exhibits.**

Exhibit Number - Document

99.1 Press Release, dated September 24, 2007

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**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.

*September 24, 2007*

By: */s/ J. Andrew Murphy*

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*Name: J. Andrew Murphy*

*Title: Exec VP & General Counsel*

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Exhibit Index

<b><u>Exhibit No.</u></b>	<b><u>Description</u></b>
99.1	Press Release, dated September 24, 2007