

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No.)*

NRG ENERGY, INC.

(Name of Issuer)

Common Stock, \$0.01 Par Value Per Share

(Title of Class of Securities)

629377508

(CUSIP Number)

February 17, 2006

(Date of Event which Requires Filing
of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule
is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's
initial filing on this form with respect to the subject class of securities, and
for any subsequent amendment containing information which would alter the
disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed
to be "filed" for the purpose of Section 18 of the Securities Exchange Act of
1934 ("Act") or otherwise subject to the liabilities of that section of the Act
but shall be subject to all other provisions of the Act (however, see the
Notes).

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1 NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

S.A.C. Capital Advisors, LLC

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a)

(b)

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

	5	SOLE VOTING POWER	
			0
NUMBER OF	-----		
SHARES	6	SHARED VOTING POWER	
BENEFICIALLY			2,495,630* (see Item 4)
OWNED	-----		
BY	7	SOLE DISPOSITIVE POWER	
EACH			0
REPORTING	-----		
PERSON	8	SHARED DISPOSITIVE POWER	
WITH			2,495,630* (see Item 4)

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,495,630* (see Item 4)

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

3.1% (see Item 4)

12 TYPE OF REPORTING PERSON*

00

*SEE INSTRUCTION BEFORE FILLING OUT

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1 NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

S.A.C. Capital Management, LLC

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) []

(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

	5	SOLE VOTING POWER	
			0
NUMBER OF	-----		
SHARES	6	SHARED VOTING POWER	
BENEFICIALLY			2,495,630* (see Item 4)
OWNED	-----		
BY	7	SOLE DISPOSITIVE POWER	
EACH			
REPORTING			

PERSON WITH 0

 8 SHARED DISPOSITIVE POWER
 2,495,630* (see Item 4)

 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 2,495,630* (see Item 4)

 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
 []

 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)
 3.1% (see Item 4)

 12 TYPE OF REPORTING PERSON*
 00

 *SEE INSTRUCTION BEFORE FILLING OUT

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 1 NAME OF REPORTING PERSON
 I.R.S. IDENTIFICATION NO. OF ABOVE PERSON
 CR Intrinsic Investors, LLC

 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*
 (a) []
 (b) [X]

 3 SEC USE ONLY

 4 CITIZENSHIP OR PLACE OF ORGANIZATION
 Delaware

 5 SOLE VOTING POWER
 0

 NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH
 6 SHARED VOTING POWER
 1,585,000+ (see Item 4)

 7 SOLE DISPOSITIVE POWER
 0

 8 SHARED DISPOSITIVE POWER
 1,585,000+ (see Item 4)

 9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
 1,585,000+ (see Item 4)

 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
 []

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

2.0% (see Item 4)

12 TYPE OF REPORTING PERSON*

00

*SEE INSTRUCTION BEFORE FILLING OUT

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1 NAME OF REPORTING PERSON
I.R.S. IDENTIFICATION NO. OF ABOVE PERSON

Steven A. Cohen

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP*

(a) []

(b) [X]

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

United States

5 SOLE VOTING POWER

0

NUMBER OF
SHARES
BENEFICIALLY
OWNED
BY
EACH
REPORTING
PERSON
WITH

6 SHARED VOTING POWER

4,080,630** (see Item 4)

7 SOLE DISPOSITIVE POWER

0

8 SHARED DISPOSITIVE POWER

4,080,630** (see Item 4)

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,080,630** (see Item 4)

10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES

[]

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.0% (see Item 4)

12 TYPE OF REPORTING PERSON*

IN

*SEE INSTRUCTION BEFORE FILLING OUT

Item 1(a) Name of Issuer:

NRG Energy, Inc.

Item 1(b) Address of Issuer's Principal Executive Offices:

211 Carnegie Center
Princeton, New Jersey 08540

Items 2(a) Name of Person Filing:

This statement is filed by: (i) S.A.C. Capital Advisors, LLC, ("SAC Capital Advisors") with respect to shares of common stock, \$.01 par value per share ("Shares") beneficially owned by S.A.C. Capital Associates, LLC ("SAC Capital Associates"), S.A.C. Arbitrage Fund, LLC ("SAC Arbitrage"), S.A.C. MultiQuant Fund, LLC ("SAC MultiQuant") and S.A.C. Select Fund, LLC ("SAC Select"); (ii) S.A.C. Capital Management, LLC, ("SAC Capital Management") with respect to Shares beneficially owned by SAC Capital Associates, SAC Arbitrage, SAC MultiQuant and SAC Select; (iii) CR Intrinsic Investors, LLC ("CR Intrinsic Investors") with respect to Shares beneficially owned by CR Intrinsic Investments, LLC ("CR Intrinsic Investments"); and (iv) Steven A. Cohen with respect to Shares beneficially owned by SAC Capital Advisors, SAC Capital Management, SAC Capital Associates, SAC Arbitrage, SAC MultiQuant, SAC Select, CR Intrinsic Investors and CR Intrinsic Investments.

Item 2(b) Address of Principal Business Office:

The address of the principal business office of (i) SAC Capital Advisors, CR Intrinsic Investors and Mr. Cohen is 72 Cummings Point Road, Stamford, Connecticut 06902 and (ii) SAC Capital Management is 540 Madison Avenue, New York, New York 10022.

Item 2(c) Citizenship:

SAC Capital Advisors, SAC Capital Management and CR Intrinsic Investors are Delaware limited liability companies. Mr. Cohen is a United States citizen.

Item 2(d) Title of Class of Securities:

Common Stock, par value \$0.01 per share

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Item 2(e) CUSIP Number:

629377508

Item 3 Not Applicable

Item 4 Ownership:

The percentages used herein are calculated based upon the Shares issued and outstanding as of November 3, 2005 as reported on the Issuer's quarterly report on Form 10-Q filed with the Securities and Exchange Commission by the Issuer

for the quarterly period ended September 30, 2005, plus Shares issuable upon conversion of the Issuer's 4% Convertible Perpetual Preferred Stock held by SAC Arbitrage as described below.

As of the close of business on February 17, 2006:

1. S.A.C. Capital Advisors, LLC

- (a) Amount beneficially owned: 2,495,630*
- (b) Percent of class: 3.1%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 2,495,630*
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 2,495,630*

2. S.A.C. Capital Management, LLC

- (a) Amount beneficially owned: 2,495,630*
- (b) Percent of class: 3.1%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 2,495,630*
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 2,495,630*

3. CR Intrinsic Investors, LLC

- (a) Amount beneficially owned: 1,585,000+
- (b) Percent of class: 2.0%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 1,585,000+
- (iii) Sole power to dispose or direct the disposition: -0-
- (iv) Shared power to dispose or direct the disposition: 1,585,000+

4. Steven A. Cohen

- (a) Amount beneficially owned: 4,080,630* +
- (b) Percent of class: 5.0%
- (c) (i) Sole power to vote or direct the vote: -0-
- (ii) Shared power to vote or direct the vote: 4,080,630* +
- (iii) Sole power to dispose or direct the disposition: -0-

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(iv) Shared power to dispose or direct the disposition:
4,080,630* +

* The number of shares reported herein includes (i) 200,000 shares issuable upon conversion of 8000 shares of the Issuer's 4% Convertible Perpetual Preferred Stock held by SAC Arbitrage and (ii) 750,000 shares issuable upon exercise of options held by SAC Capital Associates.

+ The number of shares reported herein includes 1,400,000 shares issuable upon exercise of options held by CR Intrinsic Investments.

SAC Capital Advisors, SAC Capital Management, CR Intrinsic Investors and Mr. Cohen own directly no Shares. Pursuant to investment agreements, each of SAC Capital Advisors and SAC Capital Management share all investment and voting power with respect to the securities held by SAC Capital Associates, SAC Arbitrage and SAC MultiQuant. Pursuant to an investment management agreement, CR Intrinsic Investors has investment and voting power with respect to the securities held by CR Intrinsic Investments. Mr. Cohen controls each of SAC Capital Advisors and SAC Capital Management. CR Intrinsic Investments is a wholly owned subsidiary of SAC Capital Associates. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934, as amended, each of (i) SAC Capital Advisors, SAC Capital Management and Mr. Cohen may be deemed to own beneficially 2,495,630 Shares

(constituting approximately 3.1% of the Shares outstanding) and (ii) CR Intrinsic Investors and Mr. Cohen may be deemed to own beneficially 1,585,000 Shares (constituting approximately 2.0% of the Shares outstanding). Each of SAC Capital Advisors, SAC Capital Management, CR Intrinsic Investors and Mr. Cohen disclaim beneficial ownership of any of the securities covered by this statement, and SAC Capital Associates disclaims beneficial ownership of any of the securities held by CR Intrinsic Investments.

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following. []

Item 6 Ownership of More than Five Percent on Behalf of Another

Person:

Not Applicable

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Item 7 Identification and Classification of the Subsidiary Which

Acquired the Security Being Reported on By the Parent

Holding Company:

Not Applicable

Item 8 Identification and Classification of Members

of the Group:

Not Applicable

Item 9 Notice of Dissolution of Group:

Not Applicable

Item 10 Certification:

By signing below the signatory certifies that, to the best of his knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: February 27, 2006

S.A.C. CAPITAL ADVISORS, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

S.A.C. CAPITAL MANAGEMENT, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

CR INTRINSIC INVESTORS, LLC

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person

STEVEN A. COHEN

By: /s/ Peter Nussbaum

Name: Peter Nussbaum
Title: Authorized Person