

PEABODY ENERGY CORP
Form 8-K
September 15, 2010

**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 15, 2010

PEABODY ENERGY CORPORATION

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of
incorporation or organization)

1-16463

(Commission File Number)

13-4004153

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

701 Market Street, St. Louis, Missouri

(Address of principal executive offices)

63101-1826

(Zip Code)

Registrant's telephone number, including area code **(314) 342-3400**

N/A

(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 7.01. Regulation FD Disclosure.

On September 15, 2010, Peabody Energy Corporation (Peabody) management will be presenting at the Barclays CEO Energy-Power Conference in New York, New York. The related written presentation is furnished as Exhibit 99.1 hereto.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

| Exhibit No. | Description of Exhibit |
|-------------|--|
| 99.1 | Peabody written presentation dated September 15, 2010. |

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.

PEABODY ENERGY CORPORATION

September 15, 2010

By: /s/ Kenneth L. Wagner

Name: Kenneth L. Wagner

*Title: Vice President, Assistant General
Counsel
and Assistant Secretary*

EXHIBIT INDEX

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