

SCHEDULE 13D
(Rule 13d-101)

SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

Under the Securities Exchange Act of 1934

CLEAN ENERGY FUELS CORP.
(Name of Issuer)

COMMON STOCK
(Title of Class of Securities)

184499 10 1
(CUSIP Number)

(Name, Address and Telephone Number of Person Authorized to Receive Notices
and Communications)

DECEMBER 6, 2007
(Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report
the acquisition that is the subject of this Schedule 13D, and is filing this
schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following
box.

Note: Schedules filed in paper format shall include a signed original and five
copies of the schedule, including all exhibits. See Rule 13d-7 for other parties
to whom copies are to be sent.

*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
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).

CUSIP No. 184499 10 1

1 NAME OF REPORTING PERSON
S.S. OR I.R.S. IDENTIFICATION NOS. OF ABOVE PERSON

BOONE PICKENS

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

3 SEC USE ONLY

4 SOURCE OF FUNDS*

AF

5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED
PURSUANT TO ITEMS 2(d) OR 2(e)

6 CITIZENSHIP OR PLACE OF ORGANIZATION

UNITED STATES

7 SOLE VOTING POWER

32,934,720

| | | |
|---|------------|--------------------------|
| NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH | 8 | SHARED VOTING POWER |
| | 0 | |
| | 9 | SOLE DISPOSITIVE POWER |
| | 32,934,720 | |
| | 10 | SHARED DISPOSITIVE POWER |
| | 0 | |

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
32,934,720

12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES*

13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)
55.6%

14 TYPE OF REPORTING PERSON*
IN

*SEE INSTRUCTIONS BEFORE FILLING OUT!

This Schedule 13D is being filed on behalf of Boone Pickens and Madeleine Pickens (each, a "Reporting Person" and collectively, the "Reporting Persons") and is filed as a joint statement pursuant to Rule 13d-1(k) promulgated under the Securities Exchange Act of 1934, as amended (the "Exchange Act").

Item 1: Security and Issuer

This Schedule 13D relates to the Common Stock, par value \$0.0001 per share, of Clean Energy Fuels Corp., a Delaware corporation (the "Company"). Unless the context otherwise requires, references herein to the "Common Stock" are to such Common Stock of the Company. The address of the principal executive office of the Company is 3020 Old Ranch Parkway, Suite 200, Seal Beach, California 90740.

Item 2: Identity and Background

(a) This statement is filed by the Reporting Persons, Boone Pickens and Madeleine Pickens.

(b) The principal business address of each Reporting Person is 8117 Preston Road, Suite 260, Dallas, Texas 75225.

(c) The principal business of Boone Pickens is to serve as Chairman and Chief Executive Officer of BP Capital, L.P. The principal business address of BP Capital, L.P. is 8117 Preston Road, Suite 260, Dallas, Texas 75225. Boone Pickens is also a director of the Company.

The principal business of Madeleine Pickens is managing her personal investments.

(d) No Reporting Person has been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors) in the last five years.

(e) No Reporting Person has, during the last five years, been party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

(f) Each Reporting Person is a citizen of the United States.

Item 3: Source and Amount of Funds or Other Consideration

On December 6, 2007, BP Capital Energy Equity Fund, L.P., BP Capital Energy Equity International Holdings I, L.P. and BP Capital Energy Equity Fund Master II, L.P. (collectively, the "BP Capital Funds") purchased an aggregate of 395,000 shares of Common Stock of the Company, as to which Boone Pickens has sole voting and sole dispositive power.

The total amount of funds used to purchase such shares of Common Stock was \$5,470,750. Such funds were provided by the available funds of the BP Capital Funds.

All other outstanding shares of Common Stock beneficially owned by the Reporting Persons, as well as the Warrant described below in Item 6, were acquired by the Reporting Persons prior to the initial public offering of the Company's Common Stock in May 2006.

Item 4: Purpose of Transaction

Boone Pickens may be deemed to control the Company, and he may seek to, and may, exercise control over or influence the control of the Company. Madeleine Pickens may be deemed to, and may, act in concert with Boone Pickens. The shares purchased for the account of the BP Capital Funds were purchased as an investment by the BP Capital Funds and, by virtue of Boone Pickens' sole voting and sole dispositive power over such shares, may also be used, in combination with other shares beneficially owned by the Reporting Persons, to control or influence the control of the Company.

The Reporting Persons intend to review their investments in the Company on a continuing basis. Depending on various factors, including, without limitation, the price and availability of shares, the Company's results of operations, financial position and strategic direction, other investment opportunities available to the Reporting Persons, conditions in the securities market and general economic and industry conditions, each of the Reporting Persons may in the future take such actions with respect to his or her investment in the Company as he or she deems appropriate, including the purchase of additional shares of Common Stock and/or related securities or the disposition of all or a portion of the shares of Common Stock that he or she now beneficially owns or may hereafter acquire. The Reporting Persons currently have no plans or proposals which relate to or would result in any of the actions set forth in subparagraphs (a) through (j) of Item 4 of Schedule 13D but they may at any time reconsider their position and formulate any such plans or proposals.

Item 5: Interest in Securities of the Issuer

(a) As of the date hereof, Boone Pickens beneficially owns an aggregate of 32,934,720 shares of Common Stock, which includes 15,000,000 shares of Common Stock issuable upon the exercise of the Warrant held by Mr. Pickens (see Item 6 below), constituting approximately 55.6% of the shares of Common Stock outstanding. Boone Pickens expressly disclaims beneficial ownership of the shares of Common Stock beneficially owned by Madeleine Pickens.

As of the date hereof, Madeleine Pickens beneficially owns an aggregate of 3,000,000 shares of Common Stock, constituting approximately 6.8% of the shares of Common Stock outstanding. Madeleine Pickens expressly disclaims beneficial ownership of the shares of Common Stock beneficially owned by Boone Pickens.

The aggregate percentage of shares of Common Stock beneficially owned by the Reporting Persons is based on 44,214,095 shares outstanding, which is the total number of shares

of Common Stock outstanding as of November 1, 2007 as reported by the Company in its Quarterly Report filed on November 13, 2007 on Form 10-Q for the period ended September 30, 2007, plus, in the case of Boone Pickens, the number of shares issuable upon exercise of the Warrant.

(b) Boone Pickens has sole voting and sole dispositive power over the 32,934,720 shares of Common Stock beneficially owned by him. Of these shares, 16,539,720 shares are owned directly by him, 1,000,000 shares are owned directly by Boone Pickens Interests Ltd., 395,000 shares are owned directly by the BP Capital Funds and 15,000,000 shares are issuable to Boone Pickens upon exercise of the Warrant (see Item 6 below).

Madeleine Pickens has sole voting and sole dispositive power over the 3,000,000 shares of Common Stock owned directly by her.

(c) On December 6, 2007, the BP Capital Funds purchased 395,000 shares of Common Stock at a price of \$13.85 per share. The transaction was effected on the open market.

(d) Each of the BP Capital Funds has the right to receive or the power to direct the receipt of dividends from, or the proceeds of sale from, the shares owned by each of them individually. Boone Pickens Interests Ltd. has the right to receive or the power to direct the receipt of dividends from, or the proceeds of sale from, the shares owned by it.

(e) Not applicable.

Item 6: Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer

On December 28, 2006, the Company issued to Boone Pickens a five-year warrant (the "Warrant"), exercisable immediately upon its issuance, to purchase up to 15,000,000 shares of Common Stock at an exercise price of \$10.00 per share. The foregoing description of the Warrant is qualified in its entirety by reference to the full text of the Warrant to Purchase Common Stock, a copy of which is filed as Exhibit 10.26 to the Company's Registration Statement on Form S-1/A dated March 27, 2007 (File No. 333-137124).

Pursuant to Rule 13d-1(k)(1) promulgated under the Exchange Act, the Reporting Persons have entered into an agreement with respect to the joint filing of this Schedule 13D, and any amendment or amendments hereto, which is filed as Exhibit 99.2.

Item 7: Materials to be Filed as Exhibits

Item 99.1 Warrant to Purchase Common Stock dated December 28, 2006 issued to Boone Pickens (incorporated by reference to Exhibit 10.26 to the Company's Registration Statement on Form S-1/A dated March 27, 2007 (File No. 333-137124))

Item 99.2 Joint Filing Agreement dated December 13, 2007

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: December 13, 2007

/s/ Boone Pickens

Name: Boone Pickens

/s/ Madeleine Pickens

Name: Madeleine Pickens

EXHIBIT INDEX

- Item 99.1 Warrant to Purchase Common Stock dated December 28, 2006 issued to Boone Pickens (incorporated by reference to Exhibit 10.26 to the Company's Registration Statement on Form S-1/A dated March 27, 2007 (File No. 333-137124))
- Item 99.2 Joint Filing Agreement dated December 13, 2007

JOINT FILING AGREEMENT
PURSUANT TO RULE 13d-1(k)(1)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13D is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13D shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing agreements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him or her contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the other, except to the extent that he or she knows or has reason to believe that such information is inaccurate. This Agreement may be executed in any number of counterparts and all such counterparts taken together shall constitute one and the same instrument.

Date: December 13, 2007

/s/ Boone Picken

Boone Pickens

/s/ Madeleine Pickens

Madeleine Pickens