XIROUHAKIS MARIKA Form SC 13D August 27, 2003

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549
SCHEDULE 13D

UNDER THE SECURITIES EXCHANGE ACT OF 1934

Environmental Power Corporation (Name of Issuer)

COMMON STOCK (Title of Class of Securities)

29406L 10 2 (CUSIP Number)

John P. O'Shea 100 Wall Street New York, NY 10005 212-878-6500

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

August 22, 2003 (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 which is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(b) (3) or (4), check the following box o.

Check the following box if a fee is being paid with the statement o. (A fee is not required only if the reporting person: (1) has a previous statement on file reporting beneficial ownership of more than five percent of the class of securities described in Item 1; and (2) has filed no amendment subsequent thereto reporting beneficial ownership of five percent or less of such class.) (See Rule 13d-7).

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SCHEDULE 13D

CUSIP No. 29406L 10 2

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

John P. O'Shea

CHECK THE APPROPRIATE BOX IF A MEMBER OF A

GROUP (a) []

(b) [x]

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

PF

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

Number of 7 SOLE VOTING POWER

Shares Owned

By Each 1,587,069 shares

Reporting Person With

8 SHARED VOTING POWER

NONE

9 SOLE DISPOSITIVE POWER

1,587,069 shares

10 SHARED DISPOSITIVE POWER

NONE

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,587,069

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

[]

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

7.28%

14 TYPE OF REPORTING PERSON

ΙN

Item 1. SECURITY AND ISSUER.

Common Stock, \$0.01 par value per share of Environmental Power Corporation, a Delaware corporation (the "Company"). The address of the Company's principal executive office is One Cate Street,4th Floor, Portsmouth, NH 03801.

Item 2. IDENTITY AND BACKGROUND.

(a) The person filing this Schedule 13D is John P. O'Shea.

- (b) Mr. O'Shea's address is c/o Westminster Securities Corporation, 100 Wall Street, 7th Floor, New York, NY $\,$ 10005.
- (c) Mr. O'Shea is President of Westminster Securities Corporation, a full service broker-dealer located at 100 Wall Street, 7th Floor, New York, NY 10005.
 - (d) Criminal proceedings None.
 - (e) Civil proceedings None.
 - (f) Mr. O'Shea is a citizen of the United States.

Item 3. SOURCE AND AMOUNT OF FUNDS OR OTHER CONSIDERATION.

Mr. O'Shea acquired shares of the Company's common stock in the following transactions: (i) 135,383 shares on July 23, 2001 as part of a Share Exchange agreement in which he exchanged shares of Microgy Cogeneration Systems, Inc. originally purchased for \$150,012; (ii) 212,313 shares acquired February 28, 2003 as part of a settlement agreement (unrelated to the Company), for a consideration value of \$32,609; (iii) 66,667 shares on July 24, 2003 in a private transaction for a purchase price of \$14,020.07; (iv) 540,000 shares in a private transaction closing on July 31, 2003 for a purchase price of \$108,000; and (v) 632,706 shares in various open market purchase at prices ranging from \$0.19 to \$0.67 per share from March 17, 2003 through August 22, 2003, at an aggregate purchase price of \$191,628.16. All purchases were paid for with personal funds.

Item 4. PURPOSE OF TRANSACTION.

Mr. O'Shea acquired the shares of the Company's common stock described above for investment purposes only.

Item 5. INTEREST IN SECURITIES OF THE ISSUER.

- (a) As of August 22, 2003, Mr. O'Shea owned 1,587,069 shares of the Company's common stock, representing approximately 7.28% of the issued and outstanding shares of Common Stock of the Company (based on 21,791,279 shares outstanding as described in the Company's quarterly report for period ended June 30, 2003).
- (b) Mr. O'Shea has sole voting and sole dispositive power with respect to the 1,587,069 shares of the Company's common stock owned by him.
 - (c) None, except as described in Item 3 above.
 - (d) Not applicable.
 - (e) Not applicable.

Item 6. CONTRACTS, ARRANGEMENTS, UNDERSTANDINGS OR RELATIONSHIPS WITH RESPECT TO SECURITIES OF THE ISSUER.

NONE

Item 7. MATERIAL TO BE FILED AS EXHIBITS.

NONE.

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.

Date: August 27, 2003

By: /S/ John P. O'Shea

John P. O'Shea