

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

POST EFFECTIVE AMENDMENT NO. 1
TO
FORM S-3
REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

ACTIVE POWER, INC.

(Exact name of registrant as specified in its charter)

Delaware
(State or other jurisdiction of
incorporation or organization)

4911
(Primary Standard
Industrial Classification
Code Number)

74-2961657
(I.R.S. Employer Identification No.)

2128 W. Braker Lane, BK12
Austin, Texas 78758
(512) 836-6464

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

James A. Clissem
Chief Executive Officer
Active Power, Inc.
2128 W. Braker Lane, BK12
Austin, Texas 78758
(512) 836-6464

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copies to:

J. Matthew Lyons
Andrews Kurth LLP
111 Congress Avenue, Suite 1700
Austin, Texas 78701
(512) 320-9200

Approximate date of commencement of proposed sale to the public: Not applicable.

If the only securities being registered on this form are to be offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

DEREGISTRATION OF SECURITIES

On March 25, 2005, Active Power, Inc. ("Active Power") filed a Registration Statement on Form S-3 (Registration No. 333-123586) (the "Registration Statement"), as amended on May 9, 2005 with the Securities and Exchange Commission, registering up to 7,090,863 shares of Active Power's common stock (the "Common Stock") of which 5,454,510 shares of Common Stock were issued to certain selling stockholders in a private placement on February 4, 2005 and the additional 1,636,353 shares of Common Stock were to be issued to the selling stockholders only if and when they exercised their additional investment rights to acquire these shares within 180 days following the effective date of the Registration Statement.

The stockholders' additional investment rights expired without exercise and no such shares were issued. Pursuant to the undertaking made by Active Power as required by Item 512(a)(3) of Regulation S-K, Active Power files this Post-Effective Amendment No. 1 to the Registration Statement to deregister all 1,636,353 of such shares of Common Stock registered under the Registration Statement which have not been issued as of the date of this post-effective amendment.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this Post-Effective Amendment No. 1 to Registration Statement No. 333-123586 to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Austin, State of Texas, on the 23rd day of August, 2006.

ACTIVE POWER, INC.

Dated: August 23, 2006

By: /s/ James A. Clishem
James A. Clishem,
President and Chief Executive Officer

Pursuant to the requirements of the Securities Act of 1933, this Post-Effective Amendment No. 1 to the Registration Statement has been signed below by the following persons on behalf of the registrant in the capacities set forth below on August 23, 2006.

<u>Name</u>	<u>Title</u>
<u>/s/ James A. Clishem</u> James A. Clishem	President, Chief Executive Officer and Director (principal executive officer)
<u>/s/ John K. Penver</u> John K. Penver	Vice President - Finance, Chief Financial Officer and Secretary (principal financial and accounting officer)
<u>*</u> Joseph F. Pinkerton, III	Chairman of the Board
<u>*</u> Ake Almgren	Director
<u>*</u> Richard E. Anderson	Director
<u>*</u> Rodney S. Bond	Director
<u>*</u> Brad Boston	Director
<u>*</u> Jan H. Lindelow	Director
<u>*</u> Terrence L. Rock	Director
<u>*</u> Benjamin L. Scott	Director

* By: /s/ John K. Penver Attorney-in-Fact
John K. Penver