

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, DC 20549

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

TECOGEN INC.

(Exact name of registrant as specified in its charter)

Delaware
*(State or other jurisdiction of
incorporation or organization)*

04-3536131
*(I.R.S. Employer
Identification No.)*

Tecogen Inc.
45 First Avenue
Waltham, Massachusetts 02451
(Address of principal executive offices)

Tecogen Inc. 2006 Stock Incentive Plan
(Full title of the Plan)

John N. Hatsopoulos
Chief Executive Officer
Tecogen Inc.
45 First Avenue
Waltham, Massachusetts 02451
(781) 622-1120

(Name, address and telephone number of agent for service)

Copy to:
Edwin L. Miller, Jr.
Sullivan & Worcester LLP
One Post Office Square
Boston, MA 02109
Tel: (617) 338-2800

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one)

Large accelerated filer: Accelerated filer: Non-accelerated filer: Smaller reporting company:

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered¹	Proposed Maximum Offering Price Per Share²	Proposed Maximum Aggregate Offering Price²	Amount of Registration Fee²
Common Stock	4,926,732 shares	\$0.80	\$3,941,386	\$537.60

¹ In accordance with Rule 416 under the Securities Act of 1933, as amended, this registration statement shall be deemed to cover any additional securities that may from time to time be offered or issued to prevent dilution resulting from stock splits, stock dividends or similar transactions.

² The proposed maximum offering price per share and the proposed maximum aggregate offering price have been estimated solely for the purpose of calculating the amount of the registration fee in accordance with Rule 457(h) under the Securities Act of 1933, as amended, on the basis of the book value of the common stock of Tecogen Inc., computed as of April 11, 2013.

PART I

INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

Item 1. Plan Information.

The information required by Item 1 is included in documents to be sent or given to participants in the plan covered by this registration statement pursuant to Rule 428(b)(1) of the Securities Act of 1933, as amended (the "Securities Act").

Item 2. Registrant Information and Employee Plan Annual Information.

The written statement required by Item 2 is included in documents to be sent or given to participants in the plan covered by this registration statement pursuant to Rule 428(b)(1) of the Securities Act.

PART II

INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents, which have been filed by Tecogen, Inc. ("Tecogen") with the Securities and Exchange Commission (the "SEC"), under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), are incorporated by reference in and made a part of this registration statement, as of their respective dates:

- a) Tecogen's Annual Report on Form 10-K for the fiscal year ended December 31, 2012.
- b) The description of Tecogen's common stock contained in the registration statement on Form S-1 filed on December 22, 2011 and all further amendments or reports filed for the purpose of updating such description.

All documents subsequently filed by Tecogen pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act prior to the filing of a post-effective amendment which indicates that all securities offered have been sold or which deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this registration statement and to be part hereof from the date of filing of such documents.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

Not applicable.

Item 6. Indemnification of Directors and Officers.

The Delaware General Corporation Law and Tecogen's charter and by-laws provide for indemnification of its directors and officers for liabilities and expenses that they may incur in such capacities. In general, directors and officers are indemnified with respect to actions taken in good faith in a manner reasonably believed to be in, or not opposed to, the best interests of Tecogen, and with respect to any criminal action or proceeding, actions that the indemnitee had no reasonable cause to believe were unlawful.

Tecogen also maintains directors and officers liability insurance.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

The Exhibit Index immediately preceding the exhibits to this registration statement is incorporated herein by reference.

Item 9. Undertakings.

The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement: (i) to include any prospectus required by Section 10(a)(3) of the Securities Act; (ii) to reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement; and (iii) to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement; *provided, however*, that paragraphs (i) and (ii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in this registration statement.
- (2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this registration statement on Form S-8 to be signed on its behalf by the undersigned, thereunto duly authorized, in Waltham, Massachusetts, on April 15, 2013.

TECOGEN INC.

By: /s/ John N. Hatsopoulos
John N. Hatsopoulos
Chief Executive Officer

POWER OF ATTORNEY AND SIGNATURES

The undersigned officers and directors of the registrant hereby constitute and appoint John N. Hatsopoulos and Bonnie J. Brown, and each of them singly, with full power of substitution, our true and lawful attorneys-in-fact and agents to take any actions to enable the registrant to comply with the Securities Act, and any rules, regulations and requirements of the SEC, in connection with this registration statement, including the power and authority to sign for us in our names in the capacities indicated below any and all amendments to this registration statement and any other registration statement filed pursuant to the provisions of Rule 462 under the Securities Act.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Angelina M. Galiteva</u> Angelina M. Galiteva	Chairman of the Board	April 15, 2013
<u>/s/ John N. Hatsopoulos</u> John N. Hatsopoulos	Chief Executive Officer (Principal Executive Officer) & Director	April 15, 2013
<u>/s/ Bonnie J. Brown</u> Bonnie J. Brown	Chief Financial Officer (Principal Financial and Accounting Officer)	April 15, 2013
<u>/s/ George N. Hatsopoulos</u> George N. Hatsopoulos	Director	April 15, 2013
<u>/s/ Charles T. Maxwell</u> Charles T. Maxwell	Director	April 15, 2013
<u>/s/ Ahmed F. Ghoniem</u> Ahmed F. Ghoniem	Director	April 15, 2013
<u>/s/ Joseph E. Aoun</u> Joseph E. Aoun	Director	April 15, 2013

EXHIBIT INDEX

The following are the exhibits are to this registration statement:

Exhibit No.	Description
4.1	Amended and Restated Certificate of Incorporation of the registrant (<i>incorporated by reference to the registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on December 22, 2011 (Registration No. 333-178697)</i>)
4.2	Amended and Restated Bylaws of the registrant (<i>incorporated by reference to the registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on December 22, 2011 (Registration No. 333-178697)</i>)
5.1*	Opinion of Sullivan & Worcester LLP
23.1	Consent of Sullivan & Worcester LLP (<i>contained in the opinion of Sullivan & Worcester LLP filed herewith as Exhibit 5.1</i>)
23.2*	Consent of McGladrey LLP
24	Powers of Attorney (<i>included on the signature page to this registration statement</i>)
99.1	Tecogen Inc. 2006 Stock Incentive Plan (<i>incorporated by reference to the registrant's Registration Statement on Form S-1, as amended, originally filed with the SEC on December 22, 2011 (Registration No. 333-178697)</i>)

**Sullivan & Worcester LLP
One Post Office Square
Boston, MA 02109**

April 15, 2013

Tecogen Inc.
45 First Avenue
Waltham, Massachusetts 02451

Re: Tecogen Inc. Registration Statement on Form S-8

Ladies and Gentlemen:

In connection with the registration under the Securities Act of 1933, as amended (the "Act"), by Tecogen Inc., a Delaware corporation, (the "Company"), of 4,926,732 shares of its Common Stock, par value \$.001 per share (the "Registered Shares"), that are to be offered and may be issued under the Tecogen Inc. 2006 Stock Incentive Plan (the "Plan"), the following opinion is furnished to you to be filed with the Securities and Exchange Commission (the "Commission") as Exhibit 5.1 to the Company's Registration Statement on Form S-8 (the "Registration Statement") under the Act.

We have acted as counsel to the Company in connection with the Registration Statement, and we have examined originals or copies, certified or otherwise identified to our satisfaction, of the Registration Statement, the Amended and Restated Certificate of Incorporation of the Company as presently in effect, corporate records of the Company, and such other documents as we have considered necessary in order to furnish the opinion hereinafter set forth.

We express no opinion herein as to any laws other than the Delaware General Corporation Law, the applicable provisions of the Delaware constitution and reported judicial decisions interpreting these laws, and the federal law of the United States, and we express no opinion as to state securities or blue sky laws.

Based on and subject to the foregoing, we are of the opinion that, when issued in accordance with the terms of the Plan and the options or other rights granted thereunder, the Registered Shares will be duly authorized, validly issued, fully paid and nonassessable by the Company.

This opinion is intended solely for the benefit and use of the Company, and is not to be used, released, quoted, or relied upon by anyone else for any purpose (other than as required by law) without our prior written consent.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement. In giving such consent, we do not thereby admit that we come within the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission promulgated thereunder.

Very truly yours,

s/ SULLIVAN & WORCESTER LLP

Sullivan & Worcester LLP
Massachusetts

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

As independent registered public accountants, we hereby consent to the incorporation by reference in this Registration Statement on Form S-8, of our report dated March 27, 2013, relating to the consolidated financial statements of Tecogen Inc. which appear in the Company's Annual Report on Form 10-K for the year ended December 31, 2012.

/s/ MCGLADREY LLP
McGladrey LLP

Boston, Massachusetts
April 15, 2013