As filed with the Securities and Exchange Commission on August 8, 2018

Registration No. 333-

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Vasinington, D.C. 2004

FORM S-8

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

GEVO, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

87-0747704 (I.R.S. Employer Identification No.)

345 Inverness Drive South, Building C, Suite 310 Englewood, Colorado 80112 (Address of principal executive offices, including zip code)

Gevo, Inc. Amended and Restated 2010 Stock Incentive Plan (Full title of the plan)

Patrick R. Gruber Chief Executive Officer Gevo, Inc. 345 Inverness Drive South, Building C, Suite 310 Englewood, Colorado 80112 (303) 858-8358

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

Copy to:

Jason Day Ned A. Prusse Perkins Coie LLP 1900 Sixteenth Street, Suite 1400 Denver, Colorado 80202 (303) 291-2300

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

Large accelerated filer Non-accelerated filer (Do not check if a smaller reporting company) Accelerated filer□Smaller reporting company⊠Emerging growth company□

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

CALCULATION OF REGISTRATION FEE

Title of Securities to Be Registered	Amount to Be Registered ⁽¹⁾	Proposed Maximum Offering Price Per Share ⁽²⁾	Proposed Maximum Aggregate Offering Price ⁽²⁾	Amount of Registration Fee ⁽²⁾
Common Stock, \$0.01 par value	286,182	\$3.735	\$1,068,889.77	\$133.08

(1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this registration statement also covers any additional shares of the registrant's common stock that may become issuable under the Gevo, Inc. Amended and Restated 2010 Stock Incentive Plan as a result of any future stock splits, stock dividends or similar adjustments of the registrant's outstanding common stock.

(2) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) and Rule 457(h) under the Securities Act. The proposed maximum offering price per share is estimated based on the average of the high and low sales prices for the registrant's common stock as reported by the NASDAQ Capital Market on August 6, 2018.

EXPLANATORY NOTE

This registration statement on Form S-8 is filed by Gevo, Inc. relating to 286,182 additional shares of common stock, par value \$0.01 per share, authorized to be issued pursuant to the Gevo, Inc. Amended and Restated 2010 Stock Incentive Plan.

PART II

INFORMATION REQUIRED IN REGISTRATION STATEMENT

Item 3. Incorporation of Documents by Reference.

The following documents filed with the Securities and Exchange Commission (the "SEC") are hereby incorporated by reference in this registration statement:

- (a) The registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2017, filed with the SEC on March 28, 2018;
- (b) The registrant's Quarterly Reports on Form 10-Q for the quarters ended March 31, 2018 and June 30, 2018, filed with the SEC on May 10, 2018 and August 8, 2018, respectively;
- (c) The registrant's Current Reports on Form 8-K filed with the SEC on January 3, 2018, January 5, 2018, January 10, 2018, February 13, 2018, February 22, 2018, May 31, 2018, June 4, 2018, June 20, 2018, June 25, 2018 and June 28, 2018; and
- (d) The description of the registrant's common stock contained in the registrant's Registration Statement on Form 8-A filed with the SEC on February 4, 2011 under Section 12(b) of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including any amendments or reports filed for the purpose of updating such description.

All documents filed by the registrant pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date hereof, and prior to the filing of a post-effective amendment that indicates that all the securities offered hereby have been sold or that deregisters the securities offered hereby then remaining unsold, shall also be deemed to be incorporated by reference into this registration statement and to be a part hereof from the date of filing of such documents; *provided, however*, that documents or information deemed to have been furnished and not filed in accordance with the rules of the Commission shall not be deemed incorporated by reference in this registration statement.

Item 4. Description of Securities.

Not applicable.

Item 5. Interests of Named Experts and Counsel.

None.

Item 6. Indemnification of Directors and Officers.

Under Section 145 of the Delaware General Corporation Law (the "DGCL"), a corporation has the power to indemnify its directors and officers under certain prescribed circumstances and, subject to certain limitations, against certain costs and expenses, including attorneys' fees, judgments, fines and amounts paid in settlement, actually and reasonably incurred in connection with any threatened, pending or completed action, suit or proceeding, whether criminal, civil, administrative or investigative, to which any of them is a party by reason of his being a director or officer of the corporation if it is determined that he acted in accordance with the applicable standard of conduct set forth in such statutory provision. In addition, a corporation may advance expenses incurred by a director or officer in defending a proceeding upon receipt of an undertaking from such person to repay any amount so advanced if it is ultimately determined that such person is not eligible for indemnification. The registrant's amended and restated certificate of incorporation provides that, pursuant to the DGCL, the registrant's directors shall not be liable for monetary damages to the fullest extent authorized under applicable law, including for breach of the directors' fiduciary duty of care to the registrant and the registrant's stockholders. This provision in the registrant's amended and restated certificate of incorporation does not eliminate the duty of care, and in appropriate circumstances equitable remedies such as injunctive or other forms of non-monetary relief will remain available under Delaware law. In addition, each director will continue to be subject to liability for breach of the director's duty of loyalty, for acts or omissions not in good faith or involving intentional misconduct or knowing violations of the law, for actions leading to improper personal benefit to the director's responsibilities under any other law, such as the federal securities laws or state or federal environmental laws.

Article 10 of the registrant's amended and restated bylaws provides that the registrant will indemnify, to the fullest extent authorized by the DGCL, each person who was or is made a party or is threatened to be made a party to or is involved in any action, suit or proceeding, whether civil, criminal, administrative or investigative, by reason of the fact that he or she is or was a director or officer of the registrant, whether the basis of such proceeding is alleged action in an official capacity as a director or officer or in any other capacity while serving as a director or officer against all expenses, liability and loss reasonably incurred or suffered by such person in connection therewith.

In addition to the above, the registrant has entered into indemnification agreements with each of the registrant's directors and officers. These indemnification agreements provide the registrant's directors and officers with the same indemnification and advancement of expenses as described above, and provide that our directors and officers will be indemnified to the fullest extent authorized by any future Delaware law that expands the permissible scope of indemnification. The registrant also has directors' and officers' liability insurance, which provides coverage against certain liabilities that may be incurred by the registrant's directors and officers and officers of the registrant.

Item 7. Exemption from Registration Claimed.

Not applicable.

Item 8. Exhibits.

Exhibit No.	Description
5.1	Opinion of Perkins Coie LLP.
23.1	Consent of Grant Thornton LLP.
23.2	Consent of Perkins Coie LLP (included in Exhibit 5.1).
24.1	Power of Attorney (see signature page).
99.1	Gevo, Inc. Amended and Restated 2010 Stock Incentive Plan (incorporated by reference to Exhibit 10.1 of the registrant's Current

Item 9. Undertakings.

A. The undersigned registrant hereby undertakes:

Report on Form 8-K filed on May 31, 2018).

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - (a) To include any prospectus required by Section 10(a)(3) of the Securities Act;

(b) To reflect in the prospectus any facts or events arising after the effective date of this registration statement (or the most recent posteffective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in this registration statement; and

(c) To include any material information with respect to the plan of distribution not previously disclosed in this registration statement or any material change to such information in this registration statement;

provided, however, that paragraphs (1)(a) and (1)(b) above 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 Commission 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.

B. 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 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act (by reference in this 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.

C. 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 Commission, 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 the requirements for filing on Form S-8 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Englewood, State of Colorado, on August 8, 2018.

GEVO, INC.

By: /s/ Patrick R. Gruber Patrick R. Gruber Chief Executive Officer

POWER OF ATTORNEY

Each person whose individual signature appears below hereby authorizes Patrick R. Gruber and Geoffrey T. Williams, Jr., or either of them, as attorneysin-fact, with full power of substitution, to execute in the name and on the behalf of each person, individually and in each capacity stated below, and to file, any and all amendments to this Registration Statement, including any and all post-effective amendments.

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.

Signature	Title	Date
/s/ Patrick R. Gruber	Chief Executive Officer and Director (Principal Executive Officer)	August 8, 2018
Patrick R. Gruber		
/s/ Bradford K. Towne Bradford K. Towne	Chief Accounting Officer (Principal Financial and Accounting Officer)	August 8, 2018
/s/ Ruth I. Dreessen Ruth I. Dreessen	Chairperson of the Board of Directors	August 8, 2018
/s/ Gary W. Mize Gary W. Mize	Director	August 8, 2018
/s/ Andy Marsh Andy Marsh	Director	August 8, 2018
/s/ Johannes Minho Roth Johannes Minho Roth	Director	August 8, 2018
/s/ William H. Baum William H. Baum	Director	August 8, 2018



August 8, 2018

Gevo, Inc. 345 Inverness Drive South, Building C, Suite 310 Englewood, CO 80112

Re: Registration Statement on Form S-8 of Shares of Common Stock, par value \$0.01 per share, of Gevo, Inc.

Ladies and Gentlemen:

We have acted as counsel to Gevo, Inc., a Delaware corporation (the "<u>Company</u>"), in connection with the preparation of a Registration Statement on Form S-8 (the "<u>Registration Statement</u>") under the Securities Act of 1933, as amended (the "<u>Securities Act</u>"), which the Company is filing with the Securities and Exchange Commission with respect to up to 286,182 shares of common stock of the Company, par value \$0.01 per share (the "<u>Shares</u>"), which may be issued under the Gevo, Inc. Amended and Restated 2010 Stock Incentive Plan (the "<u>Plan</u>").

We have examined the Registration Statement and such documents and records of the Company as we have deemed necessary for the purpose of this opinion. In giving this opinion, we are assuming the authenticity of all instruments presented to us as originals, the conformity with originals of all instruments presented to us as copies and the genuineness of all signatures.

Based upon and subject to the foregoing, we are of the opinion that any Shares issued by the Company pursuant to the Plan, upon registration by its registrar of such Shares and the issuance thereof by the Company in accordance with the terms of the Plan, and the receipt of consideration for such Shares in accordance with the terms of the Plan, will be validly issued, fully paid and non-assessable.

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement. In giving such consent, we do not admit that we are in the category of persons whose consent is required under Section 7 of the Securities Act.

Very truly yours,

/s/ PERKINS COIE LLP

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perkinscoie.com

1900 Sixteenth Street Suite 1400 Denver, CO 80202-5255

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We have issued our report dated March 28, 2018 with respect to the consolidated financial statements of Gevo, Inc. included in the Annual Report on Form 10-K for the year ended December 31, 2017, which is incorporated by reference in this Registration Statement. We consent to the incorporation by reference of the aforementioned report in this Registration Statement.

/s/ GRANT THORNTON LLP

Denver, Colorado August 8, 2018