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

**FORM S-3
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 Number)

**345 Inverness Drive South, Building C, Suite 310
Englewood, CO 80112
(303) 858-8358**
(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Patrick R. Gruber
Chief Executive Officer
345 Inverness Drive South, Building C, Suite 310
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(Name, address, including zip code, and telephone number, including area code, of agent for service)

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From time to time after the effective date of this Registration Statement.
(Approximate date of commencement of proposed sale to the public)

If the only securities being registered on this Form are being 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.

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.

Large accelerated filer

Accelerated filer

Non-accelerated filer (Do not check if a smaller reporting company)

Smaller reporting company

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities To Be Registered	Amount to be Registered (1)	Proposed Maximum Offering Price Per Share(3)	Proposed Maximum Aggregate Offering Price(3)	Amount of Registration Fee
Common Stock, par value \$0.01 per share	17,534,279(2)	\$0.87	\$15,254,823	\$1,965

- (1) All 17,534,279 shares of common stock registered pursuant to this registration statement are to be offered by the selling stockholder named herein or its transferees, donees, pledgees or other successors-in-interest. Pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), the shares being registered hereunder include such indeterminate number of shares of the common stock of Gevo, Inc. (the "Company") as may be issuable with respect to the shares being registered hereunder to prevent dilution by reason of any stock dividend, stock split, recapitalization or other similar transaction.
- (2) Represents shares issuable upon conversion of the Company's 10.0% Convertible Senior Secured Notes due 2017 (the "Convertible Notes"), which were acquired by the selling stockholder in a private placement, and shares that may be issuable from time to time in the event that the Company pays a portion of the interest on the Convertible Notes in kind (by either increasing the principal amount of the Convertible Notes or issuing additional Convertible Notes) or elects to pay make-whole payments due upon conversion of the Convertible Notes, if any, in shares of the Company's common stock.
- (3) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(c) under the Securities Act. The offering price per share and aggregate offering price are based upon the average of the high and low prices per share of the Company's common stock, as reported on the NASDAQ Global Market, on July 3, 2014, a date within five business days prior to the filing of this registration statement.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act or until the registration statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and is not soliciting an offer to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED JULY 7, 2014

PROSPECTUS



Gevo, Inc.
17,534,279 Shares of Common Stock

This prospectus relates to the offer and sale from time to time by the Selling Stockholder (as defined herein) of up to 17,534,279 shares of our common stock, par value \$0.01 per share (the "Common Stock"). The shares of Common Stock covered by this prospectus include shares of Common Stock issuable upon exercise of our 10.0% Convertible Senior Secured Notes due 2017 (the "Convertible Notes"), which were issued in connection with a private placement financing, and shares of Common Stock that may be issuable from time to time in the event that we pay a portion of the interest on the Convertible Notes in kind (by either increasing the principal amount of the Convertible Notes or issuing additional Convertible Notes) or elect to pay make-whole payments due upon conversion of the Convertible Notes, if any, in shares of Common Stock. We are registering the resale of the shares of Common Stock underlying the Convertible Notes as required by the Registration Rights Agreement that we entered into with the Selling Stockholder on May 9, 2014 (the "Registration Rights Agreement").

Our registration of the shares of Common Stock covered by this prospectus does not mean that the Selling Stockholder will offer or sell any of the shares. The Selling Stockholder may offer and sell or otherwise dispose of the shares of Common Stock described in this prospectus from time to time through public or private transactions at prevailing market prices, at prices related to prevailing market prices or at privately negotiated prices. See "Plan of Distribution" beginning on page 17 for more information.

We will not receive any of the proceeds from the shares of Common Stock sold by the Selling Stockholder.

The Selling Stockholder will pay all underwriting discounts and selling commissions, if any, in connection with the sale of the shares of Common Stock. We have agreed to pay certain expenses in connection with this registration statement and to indemnify the Selling Stockholder against certain liabilities. As of the date of this prospectus, no underwriter or other person has been engaged to facilitate the sale of shares of Common Stock in this offering.

You should read this prospectus carefully before you invest.

Our Common Stock is traded on the NASDAQ Global Market under the symbol "GEVO." On July 3, 2014, the last reported sale price of our Common Stock on the NASDAQ Global Market was \$0.87. There is currently no trading market for the Convertible Notes.

Investing in our securities involves a high degree of risk. You should carefully review the risks and uncertainties described under the heading "Risk Factors" beginning on page 10 and contained under similar headings in the other documents that we incorporate by reference into this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is _____, 2014.

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ABOUT THIS PROSPECTUS

You should rely only on the information contained or incorporated by reference in this prospectus. Neither we nor the Selling Stockholder have authorized anyone to provide you with information that is different from such information. If anyone provides you with different or inconsistent information, you should not rely on it. The Selling Stockholder is offering to sell Common Stock only in jurisdictions where offers and sales are permitted. The information contained in this prospectus is accurate only as of the date on its cover page regardless of the time of delivery of this prospectus or any sale of the Common Stock. In case there are differences or inconsistencies between this prospectus and the information incorporated by reference, you should rely on the information in the document with the latest date.

The Selling Stockholder is offering the Common Stock only in jurisdictions where such issuances are permitted. The distribution of this prospectus and the issuance of the Common Stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the issuance of the Common Stock and the distribution of this prospectus outside the United States. This prospectus does not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, the Common Stock offered by this prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

It is important for you to read and consider all of the information contained in this prospectus in making your investment decision. To understand the offering fully and for a more complete description of the offering you should read this entire document carefully, including particularly the “Risk Factors” section beginning on page 10. You also should read and consider the information in the documents to which we have referred you in the sections entitled “Where You Can Find Additional Information” and “Incorporation of Certain Information by Reference”.

As used in this prospectus, unless the context requires otherwise, the terms “we”, “us”, “our”, “Gevo®” or “the Company” refer to Gevo, Inc., a Delaware corporation, and its wholly owned or indirect subsidiaries, and their predecessors. References to the “Selling Stockholder” refer to the stockholder listed herein under “The Selling Stockholder” and its transferees, donees, pledgees or other successors-in-interest.

CONVENTIONS THAT APPLY TO THIS PROSPECTUS

This prospectus contains estimates and other information concerning our target markets that are based on industry publications, surveys and forecasts, including those generated by the US Energy Information Association (the "EIA"), the International Energy Agency (the "IEA"), the Renewable Fuels Association (the "RFA") and Nexant, Inc. ("Nexant"). Certain target market sizes presented in this prospectus have been calculated by us (as further described below) based on such information. This information involves a number of assumptions and limitations and you are cautioned not to give undue weight to this information. Please read the section of this prospectus entitled "Cautionary Statement Regarding Forward-Looking Statements." The industry in which we operate is subject to a high degree of uncertainty and risk due to a variety of factors, including those described in this prospectus under the heading "Risk Factors" and those incorporated herein by reference to our most recent annual report on Form 10-K and any subsequently filed quarterly reports on Form 10-Q, as well as any amendments thereto reflected in subsequent filings with the Securities and Exchange Commission (the "SEC"). These and other factors could cause actual results to differ materially from those expressed in these publications, surveys and forecasts.

With respect to calculation of product market volumes:

- product market volumes are provided solely to show the magnitude of the potential markets for isobutanol and the products derived from it. They are not intended to be projections of our actual isobutanol production or sales;
- product market volume calculations for fuels markets are based on data available for the year 2011 (the most current data available from the IEA);
- product market volume calculations for chemicals markets are based on data available for the year 2012 (the most current data available from Nexant); and
- volume data with respect to target market sizes is derived from data included in various industry publications, surveys and forecasts generated by the EIA, the IEA and Nexant.

We have converted these market sizes into volumes of isobutanol as follows:

- we calculated the size of the market for isobutanol as a gasoline blendstock and oxygenate by multiplying the world gasoline market volume by an estimated 12.5% by volume isobutanol blend ratio;
- we calculated the size of the specialty chemicals markets by substituting volumes of isobutanol equivalent to the volume of products currently used to serve these markets;
- we calculated the size of the petrochemicals and hydrocarbon fuels markets by calculating the amount of isobutanol that, if converted into the target products at theoretical yield, would be needed to fully serve these markets (in substitution for the volume of products currently used to serve these markets); and
- for consistency in measurement, where necessary we converted all market sizes into gallons.

Conversion into gallons for the fuels markets is based upon fuel densities identified by Air BP Ltd. and the American Petroleum Institute.

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This prospectus and the documents incorporated by reference herein contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”) and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”). These statements involve known and unknown risks, uncertainties and other important factors that may cause our actual results, levels of activity, performance or achievements to be materially different from any future results, levels of activity, performance or achievements expressed or implied by the forward-looking statements. Forward-looking statements may include, but are not limited to, statements relating to the achievement of advances in our technology platform, the success of our retrofit production model, the availability of suitable and cost-competitive feedstocks, our ability to gain market acceptance for our products, the expected cost-competitiveness and relative performance attributes of our isobutanol and the products derived from it, additional competition and the future price and volatility of petroleum and products derived from petroleum. In some cases, you can identify forward-looking statements by terminology such as “may,” “will,” “should,” “expect,” “plan,” “anticipate,” “believe,” “estimate,” “predict,” “potential” or “continue,” the negative of such terms or other comparable terminology.

Forward-looking statements reflect our current views about future events, are based on assumptions, and are subject to known and unknown risks and uncertainties. Many important factors could cause actual results, performance or achievements to differ materially from the results, performance or achievements expressed in or implied by our forward-looking statements, including the factors listed below. Many of the factors that will determine future results, performance or achievements are beyond our ability to control or predict. The following are important factors, among others, that could cause actual results, performance or achievements to differ materially from the results, performance or achievements reflected in our forward-looking statements:

- our ability to continue as a going concern;
- our ability to successfully commercialize isobutanol and the products derived from it;
- our ability to produce commercial quantities of isobutanol in a timely and economic manner;
- unexpected delays, operational difficulties, cost-overruns or failures in the retrofit process;
- our ability to successfully identify and acquire access to additional facilities suitable for efficient retrofitting;
- our ability to market our isobutanol to potential customers;
- fluctuations in the market price of petroleum;
- fluctuations in the market price of corn and other feedstocks;
- our ability to obtain regulatory approval for the use of our isobutanol in our target markets;
- our ability to adequately protect our intellectual property, and prevent the loss of some of our intellectual property rights through costly litigation or administrative proceedings;
- our ability to transition our preliminary commitments into definitive supply and distribution agreements or to negotiate sufficient long-term supply agreements for our production of isobutanol; and
- general economic conditions and inflation, interest rate movements and access to capital.

The forward-looking statements contained herein reflect our views and assumptions only as of the date such forward-looking statements are made. You should not place undue reliance on forward-looking statements. Except as required by law, we assume no responsibility for updating any forward-looking statements nor do we

intend to do so. Our actual results, performance or achievements could differ materially from the results expressed in, or implied by, these forward-looking statements. The risks included in this section are not exhaustive. Additional factors that could cause actual results to differ materially from those described in the forward-looking statements are set forth in this prospectus under the heading "Risk Factors" and contained in our most recent annual report on Form 10-K and any subsequently filed quarterly reports on Form 10-Q, as well as any amendments thereto reflected in subsequent filings with the SEC. You should carefully read this prospectus, together with the information incorporated herein by reference as described under the heading "Where You Can Find Additional Information," completely and with the understanding that our actual future results may be materially different from what we expect.

PROSPECTUS SUMMARY

The following summary highlights certain information contained in this prospectus or incorporated by reference. This summary does not contain all of the information you should consider before investing in our Common Stock. Before making an investment decision, you should read the entire prospectus carefully, including “Risk Factors,” together with the additional information described under the headings “Where You Can Find Additional Information” and “Incorporation of Certain Information by Reference.”

Our Company

We are a renewable chemicals and next generation biofuels company. Our strategy is to commercialize biobased alternatives to petroleum-based products to allow for the optimization of fermentation facilities’ assets, with the ultimate goal of maximizing cash flows from the operation of those assets. Our underlying technology uses a combination of synthetic biology, metabolic and chemical engineering and chemistry. We intend to focus primarily on the production and sale of isobutanol and related products from renewable feedstocks. Isobutanol is a four-carbon alcohol that can be sold directly for use as a specialty chemical in the production of solvents, paints and coatings or as a value-added gasoline blendstock. Isobutanol can also be converted into butenes using dehydration chemistry deployed in the refining and petrochemicals industries today. The convertibility of isobutanol into butenes is important because butenes are primary hydrocarbon building blocks used in the production of hydrocarbon fuels, lubricants, polyester, rubber, plastics, fibers and other polymers. We believe that the products derived from isobutanol have potential applications in substantially all of the global hydrocarbon fuels market, representing a potential market for isobutanol of approximately 1,000 billion gallons per year (“BGPY”), and in approximately 40% of the global petrochemicals market, representing a potential market for isobutanol of approximately 70 BGPY. When combined with a potential specialty chemical market for isobutanol of approximately 1.2 BGPY, we believe that the potential global market for isobutanol is greater than 1,100 BGPY.

We believe that products derived from our isobutanol will be drop-in products, which means that our customers will be able to replace petroleum-based intermediate products with renewable isobutanol-based intermediate products without modification to their equipment or production processes. The final products produced from our renewable isobutanol-based intermediate products should be chemically and physically identical to those produced from petroleum-based intermediate products, except that they will contain carbon from renewable sources. Customer interest in our renewable isobutanol is primarily driven by our production route, which we believe will be cost-efficient, and our renewable isobutanol’s potential to serve as a cost-effective, environmentally sensitive alternative to the petroleum-based intermediate products that they currently use. We believe that at every step of the value chain, renewable products that are chemically identical to the incumbent petrochemical products will have lower market adoption hurdles in contrast with other bioindustrial products because the infrastructure and applications for such products already exist. In addition, we believe that products made from biobased isobutanol will be subject to less raw material cost volatility than the petroleum-based products in use today because of the lower historical cost volatility of agricultural feedstocks compared to oil.

In order to produce and sell isobutanol made from renewable sources, we have developed the Gevo Integrated Fermentation Technology® (“GIFT®”), an integrated technology platform for the efficient production and separation of renewable isobutanol. GIFT® consists of two components, proprietary biocatalysts that convert sugars derived from multiple renewable feedstocks into isobutanol through fermentation, and a proprietary separation unit that is designed to continuously separate isobutanol during the fermentation process. We developed our technology platform to be compatible with the existing approximately 23 BGPY of global operating ethanol production capacity, as estimated by the RFA.

GIFT® is designed to permit (i) the retrofit of existing ethanol capacity to produce either isobutanol, ethanol or both products simultaneously, or (ii) the addition of renewable isobutanol or ethanol production capabilities to a facility’s existing ethanol production by adding additional fermentation capacity side-by-side with the facility’s existing ethanol fermentation capacity (collectively referred to as “Retrofit”). Having the flexibility to switch between the production of isobutanol and ethanol, or produce both products simultaneously, should allow us to optimize asset utilization and cash flows at a facility by taking advantage of fluctuations in market conditions.

GIFT® is also designed to allow relatively low capital expenditure Retrofits of existing ethanol facilities, enabling a rapid route to isobutanol production from the fermentation of renewable feedstocks. We believe that our production route will be cost-efficient and will enable rapid deployment of our technology platform and allow our isobutanol and related renewable products to be economically competitive with many of the petroleum-based products used in the chemicals and fuels markets today.

We expect that the combination of our efficient proprietary technology, our marketing focus on providing drop-in substitutes for incumbent petrochemical products and our relatively low capital investment Retrofits will mitigate many of the historical issues associated with the commercialization of renewable chemicals and fuels.

We were incorporated in Delaware in June 2005 under the name Methanotech, Inc. and filed an amendment to our certificate of incorporation changing our name to Gevo, Inc. on March 29, 2006. Our principal executive offices are located at 345 Inverness Drive South, Building C, Suite 310, Englewood, CO 80112, and our telephone number is (303) 858-8358. We maintain an Internet website at www.gevo.com. Information contained in or accessible through our website does not constitute part of this prospectus.

The Offering

Securities offered	17,534,279 shares of Common Stock, comprised of shares of Common Stock issuable upon exercise of the Convertible Notes and shares of Common Stock that may be issuable from time to time in the event that the Company pays a portion of the interest on the Convertible Notes in kind or elects to pay make-whole payments due upon conversion of the Convertible Notes, if any, in shares of Common Stock.
Common Stock to be outstanding after the offering	86,638,284 shares
Selling Stockholder	All of the shares of Common Stock are being offered by the Selling Stockholder identified in the section titled “The Selling Stockholder” beginning on page 15 of this prospectus.
Use of Proceeds	We will not receive any of the proceeds from the Common Stock sold by the Selling Stockholder.
NASDAQ Global Market Symbol	GEVO

The above information regarding the shares of Common Stock to be outstanding after the offering is based on 69,104,005 shares of Common Stock outstanding as of June 30, 2014. As discussed in “–Private Placement of Convertible Notes” below, the Selling Stockholder is subject to certain beneficial ownership limitations.

The following is a summary of the transactions relating to the securities being registered hereunder:

Private Placement of Convertible Notes

To obtain funding for our ongoing obligations, we entered into a Term Loan Agreement, dated May 9, 2014, with Agri-Energy, LLC and Gevo Development, LLC, as guarantors (the "Guarantors"), the lenders party thereto from time to time (each, a "Lender" and collectively, the "Lenders") and WB Gevo, Ltd. (as successor in interest to Whitebox Advisors LLC), as administrative agent (the "Whitebox Loan Agreement"), pursuant to which the Lenders committed to provide one or more senior secured term loans to the Company in an aggregate amount of up to approximately \$31.1 million on the terms and conditions set forth in the Whitebox Loan Agreement (collectively, the "Term Loan"). The first advance of the Term Loan in the amount of approximately \$25.9 million was paid to the Company on May 9, 2014. In connection with the first advance, the Lenders received a structuring fee in an amount equal to 3.5% of such advance. We also paid all reasonable out of pocket expenses, including legal fees, of the Lenders and the administrative agent in connection with the Term Loan and have agreed to pay any such expenses associated with the Purchase Agreement (as defined below) and Registration Rights Agreement (as defined below).

On June 6, 2014, the Lenders exercised their option under that certain Exchange and Purchase Agreement, dated May 9, 2014, by and among the Company, the Guarantors, WB Gevo, Ltd. and the other Lenders party thereto from time to time, and WB Gevo, Ltd. (as successor in interest to Whitebox Advisors LLC), in its capacity as administrative agent and representative for the Lenders (the "Purchase Agreement"), to convert approximately \$26.1 million in outstanding principal and interest under the Term Loan into Convertible Notes. In connection with the issuance of the Convertible Notes, the Company entered into an Indenture (the "Indenture"), dated June 6, 2014, with the Guarantors and Wilmington Savings Fund Society FSB, as trustee and collateral trustee.

The Convertible Notes bear interest at a rate of 10% per annum, payable on March 31, June 30, September 30, and December 31 of each year. Additional interest of 2% per annum may also accrue on the outstanding Convertible Notes, at the election of the holders of a majority of the outstanding Convertible Notes, during any period in which an event of default under the Indenture has occurred and has not been cured or waived. The interest on the Convertible Notes will be payable in cash unless (i) no event of default has occurred and is continuing and (ii) the last reported sales price of our Common Stock on the 10th trading day immediately preceding the relevant interest payment date is more than \$1.10 per share, in which case 50% of the interest on the Convertible Notes will be payable in cash and 50% of the interest on the Convertible Notes will be payable in kind. While the Convertible Notes are outstanding, we will be required to maintain an interest reserve in an amount equal to 10% of the aggregate unpaid principal amount of the Convertible Notes (including any capitalized and uncapitalized interest that is paid in kind). The Convertible Notes will mature on March 15, 2017.

The Convertible Notes are secured by a lien on substantially all of the assets of the Company and are guaranteed by the Guarantors. On June 6, 2014, in connection with the issuance of the Convertible Notes, the Company and the Guarantors entered into a Pledge and Security Agreement in favor of the collateral trustee. The collateral pledged includes substantially all of the assets of the Company and the Guarantors, including intellectual property and real property. Agri-Energy, LLC has also entered into an Amended and Restated Mortgage with respect to the real property located in Luverne, MN.

The holders of the Convertible Notes may, at any time until the close of business on the business day immediately preceding the maturity date, convert the principal amount of the Convertible Notes, or any portion of such principal amount which is at least \$1,000, into shares of our Common Stock. Upon conversion of the Convertible Notes, we will deliver shares of our Common Stock at an initial conversion rate of 0.8633 shares of Common Stock per \$1.00 principal amount of the Convertible Notes (equivalent to an initial conversion price of approximately \$1.1584 per share of Common Stock). Such conversion rate is subject to adjustment in certain circumstances, including in the event that there is a dividend or distribution paid on shares of the Common Stock or a subdivision, combination or reclassification of the Common Stock. The Company also has the right to increase the conversion rate (i) by any amount for a period of at least 20 business days if the Company's board of directors determines that such increase would be in the Company's best interest or (ii) to avoid or diminish any income tax to

holders of shares of Common Stock or rights to purchase shares of Common Stock in connection with any dividend or distribution. In addition, subject to certain conditions described herein, each holder who exercises its option to voluntarily convert its Convertible Notes will receive a make-whole payment in an amount equal to any unpaid interest that would otherwise have been payable on such Convertible Notes through the maturity date (a "Voluntary Conversion Make-Whole Payment"). Subject to certain limitations, we may pay any Voluntary Conversion Make-Whole Payments either in cash or in shares Common Stock, at our election.

Pursuant to the terms of the Indenture, a holder may not convert the Convertible Notes into shares of our Common Stock to the extent that, after giving effect to such conversion, the number of shares of our Common Stock beneficially owned by such holder and its affiliates would exceed 4.99% of our Common Stock outstanding at the time of such conversion; provided that a holder may, at its option and upon not less than 61 days' prior notice, increase such threshold to an amount not in excess of 9.99%. Subject to the foregoing limitations, the Convertible Notes are convertible into shares of our Common Stock at any time.

The Indenture also contains limitations on the ability of certain holders to assign or otherwise transfer their interests in the Convertible Notes.

Beginning on December 6, 2014, we will have the right to require holders of the Convertible Notes to convert all or part of the Convertible Notes into shares of our Common Stock if the last reported sale price of our Common Stock over any 10 consecutive trading days equals or exceeds 150% of the applicable conversion price (a "Mandatory Conversion"). Each holder whose Convertible Notes are converted in a Mandatory Conversion will receive a make-whole payment for the converted notes in an amount equal to any unpaid interest that would have otherwise been payable on such Convertible Notes through the maturity date (a "Mandatory Conversion Make-Whole Payment"). Subject to certain limitations, we may pay any Mandatory Conversion Make-Whole Payments either in cash or in shares of Common Stock, at our election.

If a fundamental change of the Company occurs, the holders of Convertible Notes may require us to repurchase all or a portion of the Convertible Notes at a cash repurchase price equal to 100% of the principal amount of such Convertible Notes, plus accrued and unpaid interest, if any, to, but excluding, the repurchase date, plus a cash make-whole payment for the repurchased Convertible Notes in an amount equal to any unpaid interest that would otherwise have been payable on such Convertible Notes through the maturity date.

Pursuant to the terms of the Purchase Agreement, we have an option, subject to certain conditions and for a limited period of time following the date of the Purchase Agreement, to require the Lenders to provide the Company with an additional \$5.2 million (subject to a structuring fee in an amount equal to 3.5%) by means of (i) a second advance under the Term Loan, which would also be exchangeable into Convertible Notes, (ii) the purchase by the Lenders of additional Convertible Notes or (iii) a combination thereof (the allocation to be determined by the administrative agent). The Purchase Agreement also provides the Lenders with an option, subject to certain conditions, to purchase up to an additional \$32.0 million aggregate principal amount of Convertible Notes.

The potential issuance of more than 19.99% of our Common Stock upon conversion of the Convertible Notes was approved by our stockholders at the annual meeting held on July 3, 2014.

In connection with the transactions described above, we also entered into a Registration Rights Agreement, dated May 9, 2014 (the "Registration Rights Agreement") with WB Gevo, Ltd. and the other parties thereto from time to time, pursuant to which we have agreed to, among other things, file a registration statement on Form S-3 registering the resale of the shares of our Common Stock underlying the Convertible Notes.

We are obligated to cause the registration statement to be filed no later than July 11, 2014 and declared effective no later than October 4, 2014. We are also obligated to use our reasonable best efforts to ensure that the registration statement remains in effect until all of the securities covered by the registration statement have been sold or may be sold without volume restrictions and without the need for current public information pursuant to Rule 144 promulgated by the SEC under the Securities Act. The registration statement to which this prospectus relates is intended to fulfill, in part, our obligations under the Registration Rights Agreement with respect to the Convertible Notes issued by the Company on June 6, 2014.

In accordance with the terms of the Registration Rights Agreement, we will be required to file another registration statement with respect to the remaining shares of Common Stock underlying the outstanding Convertible Notes and any other shares of Common Stock that may be issuable from time to time in the event that the Company pays a portion of the interest on the Convertible Notes in kind or elects to pay make-whole payments due upon conversion of the Convertible Notes, if any, in shares of Common Stock, as well as the shares of Common Stock underlying any additional Convertible Notes that may be issued pursuant to the terms of the Purchase Agreement.

In the event of a default of our obligations under the Registration Rights Agreement, we will be required to pay an increased interest rate of 0.50% on the principal amount of any Convertible Notes that are effected by such default for each month that the registration statement has not been filed or declared effective, as the case may be.

RISK FACTORS

An investment in our Common Stock involves a substantial risk of loss. You should carefully consider these risk factors, together with all of the other information included or incorporated by reference in this prospectus and any accompanying prospectus supplement, as modified and superseded pursuant to Rule 412 under the Securities Act, before you decide to invest in our Common Stock. The occurrence of any of the following risks could harm our business. In that case, the trading price of our Common Stock could decline, and you may lose all or part of your investment. Additional risks and uncertainties not presently known to us or that we currently believe are immaterial may also impair our business operations and our liquidity. You should also refer to the other information contained in this prospectus and any accompanying prospectus supplement or incorporated by reference herein or therein, including our financial statements and the notes to those statements and the information set forth under the heading “Cautionary Note Regarding Forward-Looking Statements.”

Our auditors have expressed substantial doubt about our ability to continue as a going concern, which may hinder our ability to obtain further financing.

Our audited financial statements for the year ended December 31, 2013, were prepared under the assumption that we would continue our operations as a going concern. Our independent registered public accounting firm has included a “going concern” explanatory paragraph in its report on our financial statements for the year ended December 31, 2013, indicating that the amount of working capital at December 31, 2013 was not sufficient to meet the cash requirements to fund planned operations through December 31, 2014 without additional sources of cash, which raises substantial doubt about our ability to continue as a going concern. Uncertainty concerning our ability to continue as a going concern may hinder our ability to obtain future financing. Continued operations and our ability to continue as a going concern are dependent on our ability to obtain additional funding in the near future and thereafter, and there are no assurances that such funding will be available to us at all or will be available in sufficient amounts or on reasonable terms. Our financial statements do not include any adjustments that may result from the outcome of this uncertainty. Without additional funds from private and/or public offerings of debt or equity securities, sales of assets, sales or out-licenses of intellectual property or technologies, or other transactions, we will exhaust our resources and will be unable to continue operations. If we cannot continue as a viable entity, our stockholders would likely lose most or all of their investment in us.

We may incur additional indebtedness in the future. Any future indebtedness we incur exposes us to risks that could adversely affect our business, financial condition and results of operations.

As of June 30, 2014, the aggregate amount of the outstanding principal and final payments under our amended and restated loan and security agreement with TriplePoint Capital LLC (“TriplePoint”) was approximately \$11.1 million and we had \$26.1 million in outstanding Convertible Notes and \$26.9 million in outstanding 7.5% Convertible Senior Notes due 2022 which were issued by the Company in July 2012 (the “July Notes” and, together with the Convertible Notes, the “Notes”). Our indebtedness could have significant negative consequences for our business, results of operations and financial condition, including:

- increasing our vulnerability to adverse economic and industry conditions;
- limiting our ability to obtain additional financing;
- requiring the dedication of a substantial portion of our cash flow from operations to service our indebtedness, thereby reducing the amount of our cash flow available for other purposes;
- limiting our flexibility in planning for, or reacting to, changes in our business; and
- placing us at a possible competitive disadvantage with less leveraged competitors and competitors that may have better access to capital resources.

We cannot assure you that we will continue to maintain sufficient cash reserves or that our business will generate cash flow from operations at levels sufficient to permit us to pay principal, premium, if any, and interest on our indebtedness, or that our cash needs will not increase. If we are unable to generate sufficient cash flow or

otherwise obtain funds necessary to make required payments, or if we fail to comply with the various requirements of our existing indebtedness or any other indebtedness which we may incur in the future, we would be in default, which would permit the holders of the Notes and such other indebtedness to accelerate the maturity of the Notes and such other indebtedness and could cause defaults under the Notes and such other indebtedness. Any default under the Notes or such other indebtedness could have a material adverse effect on our business, results of operations and financial condition.

In particular, the Convertible Notes and our indebtedness with TriplePoint are secured by liens on substantially all of our assets, including our intellectual property. If we are unable to satisfy our obligations under such instruments, the holders of the Convertible Notes or TriplePoint, as applicable, could foreclose on our assets, including our intellectual property. Any such foreclosure could force us to substantially curtail or cease our operations which could have a material adverse effect on our business, financial condition and results of operations.

Future issuances of our Common Stock or instruments convertible or exercisable into our Common Stock, including in connection with conversions of Notes or exercises of Warrants (as defined below), may materially and adversely affect the price of our Common Stock and cause dilution to our existing stockholders.

We may obtain additional funds through public or private debt or equity financings in the near future, subject to certain limitations in the agreements governing our indebtedness, including our secured indebtedness with Whitebox and/or TriplePoint. If we issue additional shares of Common Stock or instruments convertible into Common Stock, it may materially and adversely affect the price of our Common Stock. In addition, the conversion of some or all of the Notes and/or the exercise of some or all of the warrants to purchase 21,303,750 shares of Common Stock that were issued by the Company in December 2013 (the "Warrants") may dilute the ownership interests of our stockholders, and any sales in the public market of any of our Common Stock issuable upon such conversion or exercise could adversely affect prevailing market prices of our Common Stock. Additionally, under the terms of the Warrants, in the event that a Warrant is exercised at a time when we do not have an effective registration statement covering the underlying shares of Common Stock on file with the SEC, such Warrant must be net exercised, which will dilute the ownership interests of existing stockholders without any corresponding benefit to the Company of a cash payment for the exercise price of such Warrant.

As of June 30, 2014, we had \$26.9 million in outstanding July Notes, which were convertible into 10,682,401 shares of Common Stock at the conversion rate in effect on June 30, 2014 (which amount includes 5,956,887 shares of Common Stock issuable in full satisfaction of the coupon make-whole payments due in connection therewith). The anticipated conversion of the \$26.9 million in outstanding July Notes into shares of our Common Stock could depress the trading price of our Common Stock. In addition, we have the option to issue Common Stock to any converting holder in lieu of making any required coupon make-whole payment in cash. If we elect to issue our Common Stock for such payment, the stock will be valued at 90% of the simple average of the daily volume weighted average prices of our Common Stock for the 10 trading days ending on and including the trading day immediately preceding the conversion date. If our stock price decreases, the number of shares we would be required to deliver in connection with the coupon make-whole payments would increase. Given that the agreements governing our indebtedness, including our secured indebtedness with Whitebox and/or TriplePoint, may prohibit us from paying, repurchasing or redeeming the July Notes or making cash payments in respect of the coupon make-whole payments due upon a conversion, we may be unable to make such payment in cash. If we issue additional shares of our Common Stock in satisfaction of such payments, this may cause significant additional dilution to our existing stockholders.

As of June 30, 2014, we had \$26.1 million in outstanding Convertible Notes, which were convertible into 29,024,778 shares of our Common Stock at the conversion rate in effect on June 30, 2014, as described above under the heading "Prospectus Summary—Private Placement of Convertible Notes." The 29,024,778 shares includes 6,486,795 shares of Common Stock that may be issuable from time to time in the event that the Company pays a portion of the interest on the Convertible Notes in kind or elects to pay make-whole payments due upon conversion of the Convertible Notes, if any, in shares of Common Stock. The anticipated conversion of the principal amount of the Convertible Notes (including any interest that is paid in kind) into shares of our Common Stock could depress the trading price of our Common Stock. In addition, subject to certain restrictions, we have the option to issue

Common Stock to any converting holder in lieu of making any required make-whole payment in cash. If we elect to issue our Common Stock for such payment, it will be at the same conversion rate that is applicable to conversions of the principal amount of the Convertible Notes. If we elect to issue additional shares of our Common Stock for such payments, this may cause significant additional dilution to our existing stockholders.

The terms of the agreements governing our indebtedness, including our secured indebtedness with Whitebox and/or TriplePoint and the indentures governing the Notes, may restrict our ability to engage in certain transactions.

The terms of the agreements governing our indebtedness, including our secured indebtedness with Whitebox and/or TriplePoint and the indentures governing the Notes, may prohibit us from engaging in certain actions, including disposing of certain assets, granting or otherwise allowing the imposition of a lien against certain assets, incurring certain kinds of additional indebtedness or acquiring or merging with other entities unless we receive the prior approval of the applicable lender or the requisite holders of the Notes. If we are unable to obtain such approval, we could be prohibited from engaging in transactions which could be beneficial to our business and our stockholders or could be forced to repay such indebtedness in full.

The indentures governing the Notes may prohibit us from engaging in certain mergers or acquisitions and if a fundamental change of the Company occurs prior to the maturity date of the Notes, holders of the Notes will have the right, at their option, to require us to repurchase all or a portion of their Notes and, in certain circumstances, to pay the holders of Convertible Notes a make-whole payment equal to the aggregate amount of interest that would have been payable on such Convertible Notes from the repurchase date through the maturity date of such Convertible Notes. With respect to the July Notes, if a fundamental change occurs prior to the maturity date of the July Notes, we will in some cases be required to increase the conversion rate for a holder that elects to convert its July Notes in connection with such fundamental change. With the respect to the Convertible Notes, the Company has the right to increase the conversion rate of the Convertible Notes by any amount for a period of at least 20 business days if the Company's board of directors determines that such increase would be in the Company's best interest. In addition, if an extraordinary transaction occurs, holders of Warrants will have the right, at their option, to require us to repurchase the unexercised portion of such Warrants for an amount in cash equal to the value of the Warrants, as determined in accordance with the Black Scholes option pricing model and the terms of the Warrants. These and other provisions could prevent or deter a third party from acquiring us, even where the acquisition could be beneficial to you.

The conversion or exercise prices, as applicable, of the Notes and Warrants can fluctuate under certain circumstances which, if triggered, can result in potentially material further dilution to our stockholders.

The conversion price of the July Notes can fluctuate in certain circumstances, including in the event that we undertake certain stock dividends, splits, combinations or distributions or if there is a fundamental change prior to the maturity date of the July Notes. In such instances, the conversion price of the July Notes can fluctuate materially lower than the initial conversion price of \$5.69 per share. The conversion price of the Convertible Notes can fluctuate in certain circumstances, including in the event that there is a dividend or distribution paid on shares of our Common Stock or a subdivision, combination or reclassification of our Common Stock. In such instances, the conversion price of the Convertible Notes can fluctuate materially lower than the initial conversion price of \$1.1584 per share. The number of shares of Common Stock for which the Warrants are exercisable and the price at which such shares of Common Stock may be purchased upon exercise of the Warrants may be adjusted in the event that (i) we undertake certain stock dividends, splits, combinations, distributions, or (ii) we undertake certain issuances of Common Stock or convertible securities at prices lower than the then-current exercise price for the Warrants. These provisions could result in substantial dilution to investors in our Common Stock.

The interest rates of the Notes can fluctuate under certain circumstances which, if triggered, can result in potentially material further dilution to our stockholders.

The interest rates of the Notes can fluctuate in certain circumstances, including in the event of a default of our obligations under the indentures governing the Notes or the Registration Rights Agreement as described above under the heading “Prospectus Summary—Private Placement of Convertible Notes.” In addition, the interest on the Convertible Notes will be payable 50% in cash and 50% in kind if (i) no event of default has occurred and is continuing under the indenture governing the Convertible Notes and (ii) the last reported sales price of our Common Stock on the 10th trading day immediately preceding the relevant interest payment date is more than \$1.10 per share. As the Company may be required to pay a portion of the interest on the Convertible Notes in kind, by either increasing the principal amount of the outstanding Convertible Notes or issuing additional Convertible Notes, any increase to the interest rate applicable to the Convertible Notes could result in additional dilution to investors in our Common Stock.

Our Common Stock may be delisted from The NASDAQ Global Market, which could affect its market price and liquidity.

We are required to continually meet the listing requirements of The NASDAQ Global Market (including a minimum bid price for our common stock of \$1.00 per share) to maintain the listing of our common stock on The NASDAQ Global Market. On June 30, 2014, we received a deficiency letter from The NASDAQ Global Market indicating that for 30 consecutive trading days our common stock had a closing bid price below the \$1.00 per share minimum. In accordance with NASDAQ Listing Rules, we were provided a compliance period of 180 calendar days, or until December 29, 2014, to regain compliance with this requirement. We can regain compliance with the minimum closing bid price requirement if the bid price of our Common Stock closes at \$1.00 per share or higher for a minimum of 10 consecutive business days. If we do not regain compliance with the minimum closing bid price requirement during the initial 180-day compliance period, we may be eligible for an additional 180-day compliance period if we transfer the listing of our Common Stock to The NASDAQ Capital Market, provided that we meet the continued listing requirement for market value of publicly held shares and all other initial listing standards, with the exception of the bid price requirement. If we do not regain compliance with the minimum closing bid price requirement during this second 180-day compliance period, NASDAQ will provide written notice that our securities are subject to delisting. At such time, we would be entitled to appeal the delisting determination to a NASDAQ Listing Qualifications Panel. We cannot provide any assurance that our stock price will recover within the permitted grace period. If our Common Stock is delisted, it could be more difficult to buy or sell our Common Stock and to obtain accurate quotations, and the price of our stock could suffer a material decline. Delisting would constitute a fundamental change under the indenture governing the Convertible Notes and we could be required to repurchase all or a portion of the Convertible Notes. Delisting may also impair our ability to raise capital.

USE OF PROCEEDS

This prospectus relates to shares of our Common Stock that may be offered and sold from time to time by the Selling Stockholder. We will not receive any of the proceeds resulting from the sale of Common Stock by the Selling Stockholder.

THE SELLING STOCKHOLDER

This prospectus relates to the resale by the Selling Stockholder named below, from time to time, of up to 17,534,279 shares of our Common Stock issued or issuable to the Selling Stockholder upon the conversion of the Convertible Notes, as described above under the heading “Prospectus Summary—Private Placement of Convertible Notes.” The 17,534,279 shares includes shares of our Common Stock issuable upon conversion of the Convertible Notes and shares of Common Stock that may be issuable from time to time in the event that the Company pays a portion of the interest on the Convertible Notes in kind or elects to pay make-whole payments due upon conversion of the Convertible Notes, if any, in shares of Common Stock.

We do not know when or in what amounts the Selling Stockholder may sell or otherwise dispose of the shares covered hereby. The Selling Stockholder might not sell any or all of the shares covered by this prospectus or may sell or dispose of some or all of the shares other than pursuant to this prospectus. Because the Selling Stockholder may not sell or otherwise dispose of some or all of the shares covered by this prospectus and because there are currently no agreements, arrangements or understandings with respect to the sale or other disposition of any of the shares, we cannot estimate the number of the shares that will be held by the Selling Stockholder after completion of the offering. For purposes of the table below, we have assumed that the Selling Stockholder will have sold all of the shares covered by this prospectus upon completion of the applicable offering.

WB Gevo, Ltd., is currently the sole Selling Stockholder and, to date, is the sole Lender under the Whitebox Loan Agreement and the Purchase Agreement described above under the heading “Prospectus Summary—Private Placement of Convertible Notes.” Pursuant to the terms of the Purchase Agreement, we have an option, subject to certain conditions and for a limited period of time following the date of the Purchase Agreement, to require the Lenders to provide the Company with an additional \$5.2 million (subject to a structuring fee in an amount equal to 3.5%) by means of (i) a second advance under the Term Loan, which would also be exchangeable into Convertible Notes, (ii) the purchase by the Lenders of additional Convertible Notes or (iii) a combination thereof (the allocation to be determined by the administrative agent). The Purchase Agreement also provides the Lenders with an option, subject to certain conditions, to purchase up to an additional \$32.0 million aggregate principal amount of Convertible Notes.

Except for the lending relationship described above, the Selling Stockholder has not held any position or office or had any other material relationship with us or any of our predecessors or affiliates within the past three years other than as a result of the ownership of our securities. In addition, unless otherwise indicated in the footnotes below, we believe that: (i) the Selling Stockholder is not a broker-dealer or an affiliate of a broker-dealer, (ii) the Selling Stockholder does not have any direct or indirect agreements or understandings with any person to distribute its shares, and (iii) the Selling Stockholder has sole voting and investment power with respect to all shares beneficially owned, subject to applicable community property laws.

The Selling Stockholder has represented to us in writing that it acquired the securities or will acquire the underlying securities for its own account and not with a view to or for distributing or reselling such securities. In recognition of the fact that the Selling Stockholder, even though purchasing the shares for its own account, may wish to be legally permitted to sell its securities when it deems appropriate, we agreed with the Selling Stockholder to file a registration statement to register the resale of the securities. We also have agreed to use reasonable best efforts to keep the registration statement, of which this prospectus constitutes a part, effective until all of the securities covered by the registration statement have been sold or may be sold without volume restrictions and without the need for current public information pursuant to Rule 144 promulgated by the SEC under the Securities Act.

The table below presents information regarding the Selling Stockholder and the shares of our Common Stock that it may sell or otherwise dispose of from time to time under this prospectus. The percentage of beneficial ownership is based upon 69,104,005 shares of Common Stock issued and outstanding as of June 30, 2014. Beneficial ownership is determined under Section 13(d) of the Exchange Act and generally includes voting or investment power with respect to securities and includes any securities that grant the Selling Stockholder the right to acquire Common Stock within 60 days of June 30, 2014. The number of shares in the column “Common Stock Owned Prior to

Offering” assumes that: (i) the full principal amount of the Convertible Notes (including all interest that is payable in kind) is converted into shares of Common Stock, and (ii) the Company pays all make-whole payments, if any, that are due upon such conversion in shares of Common Stock. The information in the table below is based on information provided by or on behalf of the Selling Stockholder. Since the date on which it provided us with the information below, the Selling Stockholder may have sold, transferred or otherwise disposed of some or all of its shares in transactions exempt from the registration requirements of the Securities Act.

Pursuant to the terms of the Indenture, a holder may not convert the Convertible Notes into shares of our Common Stock to the extent that, after giving effect to such conversion, the number of shares of our Common Stock beneficially owned by such holder and its affiliates would exceed 4.99% of our Common Stock outstanding at the time of such conversion; provided that a holder may, at its option and upon not less than 61 days’ prior notice, increase such threshold to an amount not in excess of 9.99%. Subject to the foregoing limitations, the Convertible Notes are convertible into shares of our Common Stock at any time.

Name of Selling Stockholder	Common Stock Owned Prior to Offering(1)		Maximum Number of Shares of Common Stock to be Offered Pursuant to this Prospectus		Common Stock Owned After Offering(2)	
	Number		Number		Number	Percent
WB Gevo, Ltd.(3)	29,024,778		17,534,279		11,490,499	11.7%

- (1) The number of shares consists of the aggregate of the number of shares of Common Stock held by the Selling Stockholder and shares of Common Stock issuable upon exercise of Convertible Notes held by such Selling Stockholder. These figures do not take into account any restrictions on the Selling Stockholder’s ability to exercise its conversion rights to the extent that, after giving effect to such conversion, the number of shares of our Common Stock beneficially owned by the Selling Stockholder and its affiliates would exceed 4.99% or 9.99% of our Common Stock outstanding at the time of such conversion. In addition to the shares set forth in the table, the number of shares to be sold includes an indeterminate number of shares issuable upon conversion of the Convertible Notes, as such number may be adjusted as a result of stock splits, stock dividends and similar transactions in accordance with Rule 416 under the Securities Act.
- (2) For purposes of this table, the Company assumes that all of the shares covered by this prospectus will be sold by the Selling Stockholder.
- (3) Andrew Redleaf exercises voting and dispositive power over the securities owned by WB Gevo, Ltd., all of which were acquired in the private placement described above under the heading “Prospectus Summary—Private Placement of Convertible Notes.”

Each time the Selling Stockholder sells any shares of Common Stock offered by this prospectus, it is required to provide you with this prospectus and the related prospectus supplement, if any, containing specific information about the Selling Stockholder and the terms of the shares of Common Stock being offered in the manner required by the Securities Act.

No offer or sale may occur unless the registration statement that includes this prospectus has been declared effective by the SEC and remains effective at the time the Selling Stockholder offers or sells shares of Common Stock. We are required, under certain circumstances, to update, supplement or amend this prospectus to reflect material developments in our business, financial position and results of operations and may do so by an amendment to this prospectus, a prospectus supplement or a future filing with the SEC incorporated by reference in this prospectus.

PLAN OF DISTRIBUTION

We are registering the shares of Common Stock on behalf of the Selling Stockholder to permit resales of the Common Stock by the holder from time to time after the date of this prospectus. We will not receive any of the proceeds from the sale by the Selling Stockholder of the Common Stock. Sales of shares may be made by the Selling Stockholder, including its transferees, donees, pledgees or other successors—in-interest directly to purchasers or to or through underwriters, broker-dealers or through agents. Sales may be made from time to time on the NASDAQ Global Market, any other exchange or market upon which our shares may trade in the future, in the over-the-counter market, in private transactions or otherwise, at market prices prevailing at the time of sale, at prices related to market prices, or at negotiated or fixed prices. The shares may be sold by one or more of, or a combination of, the following and these sales may be effected in transactions that may involve crosses or block transactions:

- on any national securities exchange or quotation service on which the securities may be listed or quoted at the time of sale;
- in the over-the-counter market;
- in transactions otherwise than on these exchanges or systems or in the over-the-counter market;
- through the writing or settlement of options or other hedging transactions, whether such options are listed on an options exchange or otherwise;
- in ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- in block trades in which the broker-dealer will attempt to sell the shares as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- through purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- in an exchange distribution in accordance with the rules of the applicable exchange;
- in privately negotiated transactions;
- in short sales;
- in sales pursuant to Rule 144;
- whereby broker-dealers may agree with the Selling Stockholder to sell a specified number of such shares at a stipulated price per share;
- in a combination of any such methods of sale; and
- in any other method permitted pursuant to applicable law.

If the Selling Stockholder effects such transactions by selling shares of Common Stock to or through underwriters, broker-dealers or agents, such underwriters, broker-dealers or agents may receive commissions in the form of discounts, concessions or commissions from the Selling Stockholder or commissions from purchasers of the shares of Common Stock for whom they may act as agent or to whom they may sell as principal (which discounts, concessions or commissions as to particular underwriters, broker-dealers or agents may be in excess of those customary in the types of transactions involved). In connection with sales of the shares of Common Stock or otherwise, the Selling Stockholder may enter into hedging transactions with broker-dealers, which may in turn engage in short sales of the shares of Common Stock in the course of hedging in positions they assume. The Selling Stockholder may also sell shares of Common Stock short and deliver shares of Common Stock covered by

this prospectus to close out short positions and to return borrowed shares in connection with such short sales. The Selling Stockholder may also loan or pledge shares of Common Stock to broker-dealers that in turn may sell such shares.

The Selling Stockholder may pledge or grant a security interest in some or all of the Convertible Notes or shares of Common Stock owned by it and, if it defaults in the performance of its secured obligations, the pledgees or secured parties may offer and sell the shares of Common Stock from time to time pursuant to this prospectus or any amendment to this prospectus under Rule 424(b)(3) or other applicable provision of the Securities Act. In such a case, we will amend, if necessary, the list of selling stockholders to include each transferee, donee, pledgee or other successor in interest as a selling stockholder under this prospectus. The Selling Stockholder also may transfer and donate the shares of Common Stock in other circumstances in which case the transferees, donees, pledgees or other successors in interest will be the selling beneficial owners for purposes of this prospectus.

The Selling Stockholder and any broker-dealers participating in the distribution of the shares of Common Stock may be deemed to be “underwriters” within the meaning of the Securities Act, and any commission paid, or any discounts or concessions allowed to, any such broker-dealer may be deemed to be underwriting commissions or discounts under the Securities Act. At the time a particular offering of the shares of Common Stock is made, a prospectus supplement, if required, will be distributed which will set forth the aggregate amount of shares of Common Stock being offered and the terms of the offering, including the name or names of any broker-dealers or agents, any discounts, commissions and other terms constituting compensation from the Selling Stockholder and any discounts, commissions or concessions allowed or reallocated or paid to broker-dealers. If the Selling Stockholder is deemed to be an “underwriter” within the meaning of the Securities Act, it will be subject to the prospectus delivery requirements of the Securities Act and may be subject to certain statutory and regulatory liabilities, including liabilities imposed pursuant to Sections 11, 12 and 17 of the Securities Act and Rule 10b-5 under the Exchange Act. We will make copies of this prospectus (as it may be supplemented or amended from time to time) available to the Selling Stockholder for the purpose of satisfying the prospectus delivery requirements of the Securities Act.

Under the securities laws of some states, the shares of Common Stock may be sold in such states only through registered or licensed brokers or dealers. In addition, in some states the shares of Common Stock may not be sold unless such shares have been registered or qualified for sale in such state or an exemption from registration or qualification is available and is complied with.

There can be no assurance that the Selling Stockholder will sell any or all of the shares of Common Stock registered pursuant to the registration statement, of which this prospectus forms a part.

The Selling Stockholder and any other person participating in such distribution will be subject to applicable provisions of the Exchange Act or the Securities Act, and the rules and regulations thereunder, including, without limitation, Regulation M of the Exchange Act, which may limit the timing of purchases and sales of any of the shares of Common Stock by the Selling Stockholder and any other participating person. Regulation M may also restrict the ability of any person engaged in the distribution of the shares of Common Stock to engage in market-making activities with respect to the shares of Common Stock. All of the foregoing may affect the marketability of the shares of Common Stock and the ability of any person or entity to engage in market-making activities with respect to the shares of Common Stock.

We have agreed to use reasonable best efforts to keep the registration statement, of which this prospectus constitutes a part, effective until all of the securities covered by the registration statement have been sold or may be sold without volume restrictions and without the need for current public information pursuant to Rule 144 promulgated by the SEC under the Securities Act. We will pay all expenses of the registration of the shares of Common Stock pursuant to the Registration Rights Agreement, including, without limitation, SEC filing fees and expenses of compliance with state securities or “Blue Sky” laws; provided, however, that the Selling Stockholder will pay all underwriting fees, discounts and selling commissions, if any. We will indemnify the Selling Stockholder against liabilities, including some liabilities under the Securities Act, in accordance with the Registration Rights Agreement, or the Selling Stockholder will be entitled to contribution. We may be indemnified

by the Selling Stockholder against civil liabilities, including liabilities under the Securities Act, that may arise from any written information furnished to us by the Selling Stockholder specifically for use in this prospectus, in accordance with the Registration Rights Agreement, or we may be entitled to contribution.

DESCRIPTION OF COMMON STOCK

Authorized and Outstanding Capital Stock

Our authorized capital stock consists of 250,000,000 shares of Common Stock, par value \$0.01 per share, and 10,000,000 shares of preferred stock, par value \$0.01 per share, issuable in one or more series designated by our board of directors. As of June 30, 2014, there were 69,104,005 shares of Common Stock and no shares of preferred stock outstanding.

Common Stock

The holders of our Common Stock have one vote per share. Holders of Common Stock are not entitled to vote cumulatively for the election of directors. Generally, all matters to be voted on by stockholders must be approved by a majority, or, in the case of election of directors, by a plurality, of the votes cast at a meeting at which a quorum is present, voting together as a single class, subject to any voting rights granted to holders of any then outstanding preferred stock. Subject to preferences that may be applicable to any then outstanding preferred stock, holders of our Common Stock are entitled to participate equally in dividends when and as dividends may be declared by our board of directors out of funds legally available for the payment of dividends. In the event of our voluntary or involuntary liquidation, dissolution or winding up, the prior rights of our creditors and the liquidation preference of any preferred stock then outstanding must first be satisfied. The holders of Common Stock will be entitled to share in the remaining assets on a pro rata basis. No shares of Common Stock are subject to redemption or have redemptive rights to purchase additional shares of Common Stock.

Our Common Stock is listed on the NASDAQ Global Market under the symbol "GEVO."

Anti-Takeover Provisions

The provisions of the Delaware General Corporation Law (the "DGCL"), our amended and restated certificate of incorporation, and our amended and restated bylaws contain provisions that could discourage or make more difficult a change in control of Gevo®, including an acquisition of Gevo® by means of a tender offer, a proxy contest and removal of our incumbent officers and directors, without the support of our board of directors. A summary of these provisions follows.

Statutory Business Combination Provision

We are subject to Section 203 of the DGCL ("Section 203"), which, subject to certain exceptions, prohibits a Delaware corporation from engaging in any "business combination" with an "interested stockholder" for a period of three years following the time that such stockholder became an interested stockholder, unless:

- the board of directors of the corporation approves either the business combination or the transaction that resulted in the stockholder becoming an interested stockholder, prior to the time the interested stockholder attained that status;
- upon the closing of the transaction that resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding, for purposes of determining the number of shares outstanding, those shares owned by persons who are directors and also officers and by employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- at or subsequent to such time, the business combination is approved by the board of directors and authorized at an annual or special meeting of stockholders, and not by written consent, by the affirmative vote of at least 66-2/3% of the outstanding voting stock that is not owned by the interested stockholder.

With certain exceptions, an “interested stockholder” is a person or group who or which owns 15% or more of the corporation’s outstanding voting stock (including any rights to acquire stock pursuant to an option, warrant, agreement, arrangement or understanding, or upon the exercise of conversion or exchange rights, and stock with respect to which the person has voting rights only), or is an affiliate or associate of the corporation and was the owner of 15% or more of such voting stock at any time within the previous three years.

In general, Section 203 defines a business combination to include:

- any merger or consolidation involving the corporation and the interested stockholder;
- any sale, transfer, pledge or other disposition of 10% or more of the assets of the corporation involving the interested stockholder;
- subject to certain exceptions, any transaction that results in the issuance or transfer by the corporation of any stock of the corporation to the interested stockholder;
- any transaction involving the corporation that has the effect of increasing the proportionate share of the stock of any class or series of the corporation beneficially owned by the interested stockholder; or
- the receipt by the interested stockholder of the benefit of any loans, advances, guarantees, pledges or other financial benefits provided by or through the corporation.

A Delaware corporation may “opt out” of this provision with an express provision in its original certificate of incorporation or an express provision in its amended and restated certificate of incorporation or bylaws resulting from a stockholders’ amendment approved by at least a majority of the outstanding voting shares. However, Gevo® has not “opted out” of this provision. Section 203 could prohibit or delay mergers or other takeover or change-in-control attempts and, accordingly, may discourage attempts to acquire Gevo®.

Election and Removal of Directors

Our amended and restated certificate of incorporation provides for our board of directors to be divided into three classes, with staggered three-year terms. Only one class of directors is elected at each annual meeting of our stockholders, with the other classes continuing for the remainder of their respective three-year terms. Because our stockholders do not have cumulative voting rights, our stockholders holding a majority of the shares of Common Stock outstanding are able to elect all of our directors. Directors may be removed only with cause by the affirmative vote of the holders of at least a majority of the outstanding shares entitled to vote on such removal.

No Stockholder Action by Written Consent

Our amended and restated certificate of incorporation and our amended and restated bylaws provide that any action required or permitted to be taken by the holders of Common Stock at an annual or special meeting of stockholders must be effected at a duly called meeting and may not be taken or effected by written consent of the stockholders.

Stockholder Meetings

Under our amended and restated certificate of incorporation and our amended and restated bylaws, only the board of directors, acting pursuant to a resolution adopted by a majority of the directors then in office, may call a special meeting of the stockholders, and any business conducted at any special meeting will be limited to the purpose or purposes specified in the notice for such special meeting.

Requirements for Advance Notification of Stockholder Nominations and Proposals

In order for our stockholders to bring nominations or business before an annual meeting properly, they must comply with certain notice requirements as provided by our amended and restated bylaws. Typically, in order for such notices to be timely, they must be provided to us not earlier than the close of business on the 120th day prior to the one-year anniversary of the preceding year's annual meeting and not later than the close of business on the 90th day prior to the one-year anniversary of the preceding year's annual meeting. For such notices to be timely in the event the annual meeting is advanced more than 30 days prior to or delayed by more than 70 days after the one-year anniversary of the preceding year's annual meeting, notice must be provided to us not earlier than the close of business on the 120th day prior to such annual meeting and not later than the close of business on the later of the 90th day prior to such annual meeting or, if later, the 10th day following the day on which public announcement of the date of such meeting is first made.

Amendment of Charter Provisions

The affirmative vote of the holders of at least 66-2/3% of the voting power of all of the then-outstanding shares of our voting stock, voting together as a single class, is required to, among other things, alter, amend or repeal certain provisions of our amended and restated certificate of incorporation, including those related to the classification of our board of directors, the amendment of our bylaws and certificate of incorporation, restrictions against stockholder actions by written consent, the designated parties entitled to call a special meeting of the stockholders and the indemnification of officers and directors.

Our amended and restated bylaws may only be amended (or new bylaws adopted) by the board of directors or the affirmative vote of the holders of at least 66-2/3% of the voting power of all of the then-outstanding shares of our voting stock.

Transfer Agent and Registrar

The transfer agent and registrar for our Common Stock is American Stock Transfer & Trust Company. Its address is 6201 15th Avenue, Brooklyn, New York 11219 and its telephone number is (800) 937-5449.

LEGAL MATTERS

The validity of the securities being offered by this prospectus will be passed upon by Paul Hastings LLP, San Diego, California.

EXPERTS

The consolidated financial statements incorporated in this Prospectus by reference from the Company's Annual Report on Form 10-K have been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report (which report expresses an unqualified opinion on the consolidated financial statements and includes explanatory paragraphs referring to Gevo, Inc.'s going concern uncertainty and status as a development stage enterprise), which is incorporated herein by reference. Such consolidated financial statements have been so incorporated in reliance upon the report of such firm given upon their authority as experts in accounting and auditing.

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any document we file at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for more information about the operation of the public reference room. The SEC maintains an Internet website at <http://www.sec.gov> that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC, including Gevo, Inc. You may also access our reports and proxy statements free of charge at our Internet website, <http://www.gevo.com>.

This prospectus is part of a registration statement that we have filed with the SEC relating to the securities to be offered. This prospectus does not contain all of the information we have included in the registration statement and the accompanying exhibits and schedules in accordance with the rules and regulations of the SEC, and we refer you to the omitted information. The statements this prospectus makes pertaining to the content of any contract, agreement or other document that is an exhibit to the registration statement necessarily are summaries of their material provisions and do not describe all exceptions and qualifications contained in those contracts, agreements or documents. You should read those contracts, agreements or documents for information that may be important to you. The registration statement, exhibits and schedules are available at the SEC's Public Reference Room or through its Internet website.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The rules of the SEC allow us to incorporate by reference in this prospectus the information in other documents that we file with it, which means that we can disclose important information to you by referring you to those documents that we have filed separately with the SEC. You should read the information incorporated by reference because it is an important part of this prospectus. We hereby incorporate by reference the following information or documents into this prospectus:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2013 filed with the SEC on April 15, 2014;
- our Quarterly Report on Form 10-Q for the quarter ended March 31, 2014 filed with the SEC on May 14, 2014;
- our Current Reports on Form 8-K filed with the SEC on May 15, 2014, May 23, 2014, June 5, 2014, June 12, 2014 and July 7, 2014; and

- the description of our Common Stock contained in our Registration Statement on Form S-1 (File No. 333-168792), filed with the SEC on August 12, 2010, including any subsequent amendment or report filed for the purpose of amending such description.

Any information in any of the foregoing documents will automatically be deemed to be modified or superseded to the extent that information in this prospectus or in a later filed document that is incorporated or deemed to be incorporated herein by reference modifies or replaces such information.

We also incorporate by reference any future filings (other than current reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits filed on such form that are related to such items) made with the SEC pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act, until we file a post-effective amendment which indicates that all securities offered hereby have been sold or which deregisters all securities then remaining unsold. Information in such future filings updates and supplements the information provided in this prospectus. Any statements in any such future filings will automatically be deemed to modify and supersede any information in any document we previously filed with the SEC that is incorporated or deemed to be incorporated herein by reference to the extent that statements in the later filed document modify or replace such earlier statements.

Upon written or oral request, we will provide to you, without charge, a copy of any or all of the documents that are incorporated by reference into this prospectus but not delivered with the prospectus, including exhibits which are specifically incorporated by reference into such documents. Requests should be directed to: Gevo, Inc., Attention: Investor Relations, 345 Inverness Drive South, Building C, Suite 310, Englewood, Colorado, 80112, telephone (303) 858-8358.



Gevo, Inc.
17,534,279 Shares of Common Stock

PROSPECTUS

, 2014

PART II
INFORMATION NOT REQUIRED IN THE PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following table sets forth the estimated costs and expenses payable by us in connection with the offering of the securities being registered. All the amounts shown are estimates, except for the Securities and Exchange Commission (the “SEC”) registration fee.

SEC Registration Fee	\$ 1,965
Printing and Engraving Expenses	25,000
Legal Fees and Expenses	75,000
Accounting Fees and Expenses	15,000
Miscellaneous	5,000
Total	\$121,965

Item 15. 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 or her being a director or officer of the corporation if it is determined that he or she 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. Our amended and restated certificate of incorporation provides that, pursuant to the DGCL, our 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 us and our stockholders. This provision in our 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, and for payment of dividends or approval of stock repurchases or redemptions that are unlawful under Delaware law. The provision also does not affect a director’s responsibilities under any other law, such as the federal securities laws or state or federal environmental laws.

Article 10 of our amended and restated bylaws provides that we 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 our company, 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, we have entered into indemnification agreements with each of our directors and officers. These indemnification agreements provide our 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. We also have directors' and officers' liability insurance, which provides coverage against certain liabilities that may be incurred by our directors and officers in their capacities as directors and officers of the Company.

Item 16. Exhibits.

The Exhibits to this registration statement are listed in the Exhibit Index on page II-7 and are incorporated by reference herein.

Item 17. Undertakings.

(a) 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 of 1933;

(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. Notwithstanding the foregoing, any increase or decrease in the volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective 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 (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) of this section 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 Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, 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.

(5) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A (§ 230.430A of this chapter), shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. *Provided, however,* that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.

(6) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) 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 the securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(h) Insofar as indemnification for liabilities arising under the Securities Act of 1933 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 Securities and Exchange Commission such indemnification is against public policy as expressed in the 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 Act and will be governed by the final adjudication of such issue.

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Patrick R. Gruber and Mike Willis, and each or any one of them, his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement and to sign any and all additional registration statements relating to the registration statement and filed pursuant to Rule 462(b) of the Securities Act of 1933, as amended, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his or her substitutes or substitute, may lawfully do or cause to be done by virtue hereof.

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

NAME	TITLE	DATE
<u>/s/ Patrick R. Gruber</u> Patrick R. Gruber	Chief Executive Officer (Principal Executive Officer) and Director	July 7, 2014
<u>/s/ Mike Willis</u> Mike Willis	Chief Financial Officer (Principal Financial and Accounting Officer)	July 7, 2014
<u>/s/ Shai Weiss</u> Shai Weiss	Chairman of the Board of Directors	July 7, 2014
<u>/s/ Carlos A. Cabrera</u> Carlos A. Cabrera	Director	July 7, 2014
<u>/s/ Gary W. Mize</u> Gary W. Mize	Director	July 7, 2014
<u>/s/ Bruce A Smith</u> Bruce A. Smith	Director	July 7, 2014
<u>/s/ Ganesh Kishore</u> Ganesh Kishore	Director	July 7, 2014
<u>/s/ Ruth I. Dreessen</u> Ruth I. Dreessen	Director	July 7, 2014

EXHIBIT INDEX

<u>Exhibit Number</u>	<u>Exhibit Description</u>	<u>Incorporated by Reference</u>			<u>Filed- Furnished Herewith</u>
		<u>Form</u>	<u>Filing Date</u>	<u>Exhibit</u>	
4.1	Amended and Restated Certificate of Incorporation of Gevo, Inc.	10-K	March 29, 2011	3.1	
4.2	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of Gevo, Inc.	8-K	June 10, 2013	3.1	
4.3	Certificate of Amendment to the Amended and Restated Certificate of Incorporation of Gevo, Inc.				*
4.4	Amended and Restated Bylaws of Gevo, Inc.	10-K	March 29, 2011	3.2	
4.5	Form of Gevo, Inc. Common Stock Certificate	S-1	January 19, 2011	4.1	
4.6	Exchange and Purchase Agreement, by and among Gevo, Inc., Gevo Development, LLC, Agri-Energy, LLC, WB Gevo, Ltd., Whitebox Advisors LLC, in its capacity as administrative agent, Whitebox Advisors LLC, in its capacity as representative, and the other parties thereto from time to time, dated May 9, 2014.	8-K	May 22, 2014	4.1	
4.7	Registration Rights Agreement, by and among Gevo, Inc., WB Gevo, Ltd. and the other parties thereto from time to time, dated May 9, 2014.	8-K	May 15, 2014	4.2	
4.8	Indenture, by and among Gevo, Inc., the Guarantors named therein and Wilmington Savings Fund Society, FSB, as trustee, dated June 6, 2014.	8-K	June 12, 2014	4.1	
5.1	Opinion of Paul Hastings LLP				*
10.1	Term Loan Agreement, by and among Gevo, Inc., as borrower, the other credit parties party thereto from time to time, the lenders party thereto from time to time and Whitebox Advisors, LLC, as administrative agent, dated May 9, 2014.	8-K	May 15, 2014	10.1	
23.1	Consent of Paul Hastings LLP (included in Exhibit 5.1)				*
23.2	Consent of Independent Registered Public Accounting Firm, Deloitte & Touche LLP				*
24.1	Power of Attorney (included on signature page)				*

**CERTIFICATE OF AMENDMENT TO
AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION
OF
GEVO, INC.**

GEVO, INC., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify as follows:

1. The name of the Corporation is Gevo, Inc.
2. The date on which the Corporation's original Certificate of Incorporation was filed with the Secretary of State of the State of Delaware was June 9, 2005, under the name Methanotech, Inc.
3. The Corporation's Amended and Restated Certificate of Incorporation was filed with the Secretary of State of the State of Delaware on February 11, 2011, and amended on June 7, 2013 (the "Amended and Restated Certificate of Incorporation").
4. The Board of Directors of the Corporation (the "Board"), acting in accordance with the provisions of Sections 141 and 242 of the General Corporation Law of the State of Delaware, adopted resolutions to amend and restate the first paragraph of the FOURTH article of the Amended and Restated Certificate of Incorporation to read in its entirety as follows:

"The Corporation is authorized to issue two classes of stock to be designated, respectively, "Common Stock" and "Preferred Stock." The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 260,000,000, of which 250,000,000 shares shall be Common Stock, having a par value of \$0.01 per share (the "Common Stock"), and 10,000,000 shares shall be Preferred Stock, having a par value of \$0.01 per share (the "Preferred Stock")."

5. Thereafter, pursuant to a resolution of the Board, this Certificate of Amendment was submitted to the stockholders of the Corporation for their approval, and was duly adopted in accordance with the provisions of Sections 222 and 242 of the General Corporation Law of the State of Delaware.

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July 7, 2014

74494.00026

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

Ladies and Gentlemen:

We have acted as counsel to Gevo, Inc., a Delaware corporation (the "**Company**"), in connection with the preparation of a Registration Statement on Form S-3 (the "**Registration Statement**"), including the prospectus constituting a part thereof (the "**Prospectus**"), filed by the Company with the Securities and Exchange Commission under the Securities Act of 1933, as amended (the "**Act**"), relating to the sale from time to time by the selling stockholder named in the Registration Statement of up to 17,534,279 shares (the "**Shares**") of the Company's common stock, \$0.01 par value per share, issuable upon conversion of the Company's 10.0% Convertible Senior Secured Notes due 2017 (the "**Convertible Notes**"), in the manner set forth in the Registration Statement.

As such counsel and for purposes of the opinion set forth below, we have examined and relied upon originals or copies, certified or otherwise identified to our satisfaction, of such documents, resolutions, certificates and instruments of the Company, certificates of public officials, statutes, records and such other instruments and documents as we have deemed necessary or appropriate as a basis for the opinion set forth herein, including, without limitation: (i) the Registration Statement; (ii) the Prospectus; (iii) the Indenture governing the Convertible Notes, including the form of Convertible Note attached thereto; (iv) the Company's Amended and Restated Certificate of Incorporation, as amended, certified by the Secretary of State of the State of Delaware; (v) the Company's Amended and Restated Bylaws, certified by the Secretary of the Company; (vi) a certificate of the Secretary of State of the State of Delaware as to the incorporation and good standing of the Company under the laws of the State of Delaware as of July 7, 2014; and (vii) certain resolutions adopted by the pricing committee of the board of directors of the Company on May 6, 2014 and May 20, 2014.

In addition, we have made such investigations of law as we have deemed necessary or appropriate as a basis for the opinion set forth herein.

In such examination, we have assumed, without independent investigation: (i) the genuineness of all signatures on all agreements, instruments, corporate records, certificates and other documents submitted to us; (ii) the legal capacity and authority of all persons or entities executing all agreements, instruments, corporate records, certificates and other documents submitted to us; (iii) the authenticity and completeness of all agreements, instruments, corporate records, certificates and other documents submitted to us as originals; (iv) that all agreements, instruments, corporate records, certificates and other documents submitted to us as certified, electronic, facsimile, conformed, photostatic

July 7, 2014

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or other copies conform to the originals thereof, and that such originals are authentic and complete; (v) the due authorization, execution and delivery of all agreements, instruments, certificates and other documents by all parties thereto; (vi) that no documents submitted to us have been amended or terminated orally or in writing except as has been disclosed to us in writing; (vii) that the statements contained in the certificates and comparable documents of public officials, officers and representatives of the Company and other persons on which we have relied for the purposes of this opinion letter are true and correct; and (viii) that each of the officers and directors of the Company has properly exercised his or her fiduciary duties. As to all questions of fact material to this opinion letter and as to the materiality of any fact or other matter referred to herein, we have relied (without independent investigation) upon certificates or comparable documents of officers and representatives of the Company.

Based upon the foregoing, and in reliance thereon, and subject to the limitations, qualifications and exceptions set forth herein, we are of the opinion that the Shares are duly authorized and, upon issuance, delivery and payment therefor upon conversion of the Convertible Notes in accordance with the terms thereof, will be validly issued, fully paid and nonassessable.

Without limiting any of the other limitations, exceptions and qualifications stated elsewhere herein, we express no opinion with regard to the applicability or effect of the law of any jurisdiction other than, as in effect as of the date of this opinion letter, the General Corporation Law of the State of Delaware and the laws of the State of New York.

This opinion letter deals only with the specified legal issues expressly addressed herein, and you should not infer any opinion that is not explicitly stated herein from any matter addressed in this opinion letter.

This opinion letter is rendered solely to you in connection with the issuance and delivery of the Shares under the Registration Statement and may be relied upon by you and by persons entitled to rely upon it pursuant to the applicable provisions of the Act solely for such purpose. This opinion letter is rendered to you as of the date hereof, and we assume no obligation to advise you or any other person with regard to any change after the date hereof in the circumstances or the law that may bear on the matters set forth herein even if the change may affect the legal analysis, legal conclusion or other matters in this opinion letter.

We consent to the filing of this opinion letter as an exhibit to the Registration Statement and to the reference to our firm under the caption "Legal Matters" in the Prospectus Supplement. In giving such consent, we do not admit that we are within the category of persons whose consent is required under Section 7 of the Act or the rules and regulations of the Commission thereunder.

Very truly yours,

/s/ Paul Hastings LLP

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Registration Statement on Form S-3 of our report dated April 14, 2014, relating to the consolidated financial statements of Gevo, Inc. and subsidiaries, (which report expresses an unqualified opinion on the consolidated financial statements and includes explanatory paragraphs referring to Gevo Inc.'s going concern uncertainty and status as a development stage enterprise) appearing in the Annual Report on Form 10-K of Gevo, Inc. for the year ended December 31, 2013, and to the reference to us under the heading "Experts" in the Prospectus, which is part of this Registration Statement.

/s/ DELOITTE & TOUCHE LLP

Denver, Colorado
July 7, 2014