

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

**FORM 10-Q**

**Quarterly Report Pursuant to Section 13 or 15(d) of the  
Securities Exchange Act of 1934**

**For the Quarterly Period Ended March 31, 2019**

**Commission File Number 001-32924**

**GREEN PLAINS INC.**

(Exact name of registrant as specified in its charter)

**Iowa** (State or other jurisdiction of incorporation or organization) **84-1652107** (I.R.S. Employer Identification No.)

**1811 Aksarben Drive, Omaha, NE 68106** (Address of principal executive offices, including zip code) **(402) 884-8700** (Registrant's telephone number, including area code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files).

Yes  No

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

Large accelerated filer  Accelerated filer   
Non-accelerated filer   
Smaller reporting company  Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes  No

Securities registered pursuant to Section 12(b) of the Act:

<u>Title of each class</u>	<u>Trading Symbol</u>	<u>Name of each exchange on which registered</u>
Common Stock, par value \$0.001 per share	GPPE	The Nasdaq Stock Market LLC

The number of shares of common stock, par value \$0.001 per share, outstanding as of May 6, 2019, was 41,386,278 shares.

## TABLE OF CONTENTS

	<u>Page</u>
<a href="#">Commonly Used Defined Terms</a>	2
<b>PART I – FINANCIAL INFORMATION</b>	
Item 1. <a href="#">Financial Statements</a>	
<a href="#">Consolidated Balance Sheets</a>	3
<a href="#">Consolidated Statements of Operations</a>	4
<a href="#">Consolidated Statements of Comprehensive Income</a>	5
<a href="#">Consolidated Statements of Cash Flows</a>	6
<a href="#">Notes to Consolidated Financial Statements</a>	8
Item 2. <a href="#">Management’s Discussion and Analysis of Financial Condition and Results of Operations</a>	32
Item 3. <a href="#">Quantitative and Qualitative Disclosures About Market Risk</a>	43
Item 4. <a href="#">Controls and Procedures</a>	45
<b>PART II – OTHER INFORMATION</b>	
Item 1. <a href="#">Legal Proceedings</a>	46
Item 1A. <a href="#">Risk Factors</a>	46
Item 2. <a href="#">Unregistered Sales of Equity Securities and Use of Proceeds</a>	46
Item 3. <a href="#">Defaults Upon Senior Securities</a>	46
Item 4. <a href="#">Mine Safety Disclosures</a>	46
Item 5. <a href="#">Other Information</a>	46
Item 6. <a href="#">Exhibits</a>	47
<a href="#">Signatures</a>	48

## Commonly Used Defined Terms

The abbreviations, acronyms and industry terminology used in this quarterly report are defined as follows:

### *Green Plains Inc., Subsidiaries, and Partners:*

Green Plains; the company	Green Plains Inc. and its subsidiaries
BioProcess Algae	BioProcess Algae LLC
Fleischmann's Vinegar	Fleischmann's Vinegar Company, Inc.
Green Plains Cattle	Green Plains Cattle Company LLC
Green Plains Grain	Green Plains Grain Company LLC
Green Plains Partners; the partnership	Green Plains Partners LP
Green Plains Processing	Green Plains Processing LLC and its subsidiaries
Green Plains Trade	Green Plains Trade Group LLC

### *Accounting Defined Terms:*

ASC	Accounting Standards Codification
Bgy	Billion gallons per year
EBITDA	Earnings before interest, income taxes, depreciation and amortization
EPS	Earnings per share
Exchange Act	Securities Exchange Act of 1934, as amended
GAAP	U.S. Generally Accepted Accounting Principles
LIBOR	London Interbank Offered Rate
LTIP	Long-Term Incentive Plan
SEC	Securities and Exchange Commission
VIE	Variable interest entity

### *Industry Defined Terms:*

CAFE	Corporate Average Fuel Economy
D.C.	District of Columbia
E10	Gasoline blended with up to 10% ethanol by volume
E15	Gasoline blended with up to 15% ethanol by volume
E85	Gasoline blended with up to 85% ethanol by volume
EIA	U.S. Energy Information Administration
EPA	U.S. Environmental Protection Agency
MmBtu	Million British Thermal Units
Mmg	Million gallons
MTBE	Methyl tertiary-butyl ether
RFS II	Renewable Fuels Standard II
RIN	Renewable identification number
RVO	Renewable volume obligation
U.S.	United States
USDA	U.S. Department of Agriculture

**Item 1. Financial Statements.**

**PART 1 – FINANCIAL INFORMATION**  
**GREEN PLAINS INC. AND SUBSIDIARIES**  
**CONSOLIDATED BALANCE SHEETS**  
**(in thousands, except share amounts)**

	<b>March 31, 2019</b>	<b>December 31, 2018</b>
	(unaudited)	
<b>ASSETS</b>		
Current assets		
Cash and cash equivalents	\$ 214,068	\$ 251,683
Restricted cash	59,174	66,512
Accounts receivable, net of allowances of \$204 and \$194, respectively	66,566	100,361
Income taxes receivable	12,260	12,418
Inventories	707,025	734,883
Prepaid expenses and other	12,290	14,470
Derivative financial instruments	11,568	26,315
Total current assets	1,082,951	1,206,642
Property and equipment, net of accumulated depreciation and amortization of \$448,494 and \$430,405, respectively	879,046	886,576
Operating lease right-of-use assets	56,516	-
Goodwill	34,689	34,689
Deferred income taxes	7,634	-
Other assets	86,744	88,525
Total assets	\$ 2,147,580	\$ 2,216,432
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Current liabilities		
Accounts payable	\$ 103,729	\$ 156,901
Accrued and other liabilities	46,777	58,973
Derivative financial instruments	15,951	24,776
Operating lease current liabilities	17,219	-
Short-term notes payable and other borrowings	526,523	538,243
Current maturities of long-term debt	55,740	54,807
Total current liabilities	765,939	833,700
Long-term debt	301,033	298,190
Deferred income taxes	5,845	10,123
Operating lease long-term liabilities	42,419	-
Other liabilities	8,537	11,430
Total liabilities	1,123,773	1,153,443
Commitments and contingencies (Note 13)		
Stockholders' equity		
Common stock, \$0.001 par value; 75,000,000 shares authorized; 46,922,257 and 46,637,549 shares issued, and 41,386,683 and 41,101,975 shares outstanding, respectively	47	47
Additional paid-in capital	701,673	696,222
Retained earnings	277,082	324,728
Accumulated other comprehensive loss	(12,523)	(16,016)
Treasury stock, 5,535,574 shares	(58,162)	(58,162)
Total Green Plains stockholders' equity	908,117	946,819
Noncontrolling interests	115,690	116,170
Total stockholders' equity	1,023,807	1,062,989
Total liabilities and stockholders' equity	\$ 2,147,580	\$ 2,216,432

See accompanying notes to the consolidated financial statements.

**GREEN PLAINS INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF OPERATIONS**  
(unaudited and in thousands, except per share amounts)

	<b>Three Months Ended</b>	
	<b>March 31,</b>	
	<b>2019</b>	<b>2018</b>
<b>Revenues</b>		
Product revenues	\$ 640,010	\$ 1,043,659
Service revenues	2,305	1,628
Total revenues	<u>642,315</u>	<u>1,045,287</u>
<b>Costs and expenses</b>		
Cost of goods sold (excluding depreciation and amortization expenses reflected below)	635,575	988,335
Operations and maintenance expenses	6,864	8,400
Selling, general and administrative expenses	20,646	26,003
Depreciation and amortization expenses	19,235	26,474
Total costs and expenses	<u>682,320</u>	<u>1,049,212</u>
Operating loss	<u>(40,005)</u>	<u>(3,925)</u>
<b>Other income (expense)</b>		
Interest income	1,263	637
Interest expense	(14,427)	(22,128)
Other, net	838	(66)
Total other expense	<u>(12,326)</u>	<u>(21,557)</u>
Loss before income taxes	<u>(52,331)</u>	<u>(25,482)</u>
Income tax benefit	14,460	6,027
Net loss	<u>(37,871)</u>	<u>(19,455)</u>
Net income attributable to noncontrolling interests	4,928	4,662
Net loss attributable to Green Plains	<u>\$ (42,799)</u>	<u>\$ (24,117)</u>
<b>Earnings per share:</b>		
Net loss attributable to Green Plains - basic	<u>\$ (1.06)</u>	<u>\$ (0.60)</u>
Net loss attributable to Green Plains - diluted	<u>\$ (1.06)</u>	<u>\$ (0.60)</u>
<b>Weighted average shares outstanding:</b>		
Basic	<u>40,315</u>	<u>40,164</u>
Diluted	<u>40,315</u>	<u>40,164</u>
Cash dividend declared per share	<u>\$ 0.12</u>	<u>\$ 0.12</u>

See accompanying notes to the consolidated financial statements.

**GREEN PLAINS INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**  
(unaudited and in thousands)

	<b>Three Months Ended</b>	
	<b>March 31,</b>	
	<b>2019</b>	<b>2018</b>
Net loss	\$ (37,871)	\$ (19,455)
Other comprehensive income (loss), net of tax:		
Unrealized gains (losses) on derivatives arising during the period, net of tax benefit (expense) of \$2,080 and (\$5,116), respectively	(6,883)	17,150
Reclassification of realized losses (gains) on derivatives, net of tax benefit (expense) of (\$3,140) and \$180, respectively	10,376	(603)
Total other comprehensive income, net of tax	3,493	16,547
Comprehensive loss	(34,378)	(2,908)
Comprehensive income attributable to noncontrolling interests	4,928	4,662
Comprehensive loss attributable to Green Plains	\$ (39,306)	\$ (7,570)

See accompanying notes to the consolidated financial statements.

**GREEN PLAINS INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(unaudited and in thousands)

	Three Months Ended March 31,	
	2019	2018
<b>Cash flows from operating activities:</b>		
Net loss	\$ (37,871)	\$ (19,455)
<b>Adjustments to reconcile net loss to net cash used in operating activities:</b>		
Depreciation and amortization	19,235	26,474
Amortization of debt issuance costs and debt discount	3,570	3,604
Deferred income taxes	(12,927)	(12,020)
Stock-based compensation	2,485	2,439
Undistributed equity loss of affiliates	74	137
Other	(81)	-
<b>Changes in operating assets and liabilities before effects of business combinations and dispositions:</b>		
Accounts receivable	30,811	(814)
Inventories	28,272	54,103
Derivative financial instruments	10,474	7,472
Prepaid expenses and other assets	2,534	618
Accounts payable and accrued liabilities	(66,391)	(114,709)
Current income taxes	(1,564)	11,678
Other	596	(618)
Net cash used in operating activities	(20,783)	(41,091)
<b>Cash flows from investing activities:</b>		
Purchases of property and equipment, net	(10,809)	(7,352)
Proceeds from the sale of assets, net	3,155	-
Acquisition of businesses, net of cash acquired	-	(1,006)
Investments in unconsolidated subsidiaries	-	(14)
Other investing activities	-	7,500
Net cash used in investing activities	(7,654)	(872)
<b>Cash flows from financing activities:</b>		
Proceeds from the issuance of long-term debt	30,600	24,400
Payments of principal on long-term debt	(29,781)	(23,630)
Proceeds from short-term borrowings	637,057	1,010,077
Payments on short-term borrowings	(648,779)	(1,002,664)
Payments of cash dividends and distributions	(10,334)	(10,251)
Proceeds from disgorgement of shareholder short-swing profits	6,699	-
Payments of loan fees	-	(254)
Payments related to tax withholdings for stock-based compensation	(1,978)	(2,890)
Proceeds from exercise of stock options	-	50
Net cash used in financing activities	(16,516)	(5,162)
Net change in cash, cash equivalents and restricted cash	(44,953)	(47,125)
Cash, cash equivalents and restricted cash, beginning of period	318,195	312,360
Cash, cash equivalents and restricted cash, end of period	\$ 273,242	\$ 265,235

**Continued on the following page**

**GREEN PLAINS INC. AND SUBSIDIARIES**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**  
**(unaudited and in thousands)**

Continued from the previous page

	<b>Three Months Ended</b>	
	<b>March 31,</b>	
	<b>2019</b>	<b>2018</b>
Reconciliation of total cash, cash equivalents and restricted cash:		
Cash and cash equivalents	\$ 214,068	\$ 240,964
Restricted cash	59,174	24,271
Total cash, cash equivalents and restricted cash	<u>\$ 273,242</u>	<u>\$ 265,235</u>
Supplemental disclosures of cash flow:		
Cash paid (refunded) for income taxes	\$ 29	\$ (4,592)
Cash paid for interest	<u>\$ 11,923</u>	<u>\$ 19,499</u>

See accompanying notes to the consolidated financial statements.

**GREEN PLAINS INC. AND SUBSIDIARIES**  
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS**  
**(unaudited)**

**1. BASIS OF PRESENTATION, DESCRIPTION OF BUSINESS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

*References to the Company*

References to “Green Plains” or the “company” in the consolidated financial statements and in these notes to the consolidated financial statements refer to Green Plains Inc., an Iowa corporation, and its subsidiaries.

*Consolidated Financial Statements*

The consolidated financial statements include the company’s accounts and all significant intercompany balances and transactions are eliminated. Unconsolidated entities are included in the financial statements on an equity basis. The company owns a 49.1% limited partner interest and a 2.0% general partner interest in Green Plains Partners LP. Public investors own the remaining 48.9% limited partner interest in the partnership. The company determined that the limited partners in the partnership with equity at risk lack the power, through voting rights or similar rights, to direct the activities that most significantly impact partnership’s economic performance; therefore, the partnership is considered a variable interest entity. The company, through its ownership of the general partner interest in the partnership, has the power to direct the activities that most significantly affect economic performance and is obligated to absorb losses and has the right to receive benefits that could be significant to the partnership. Therefore, the company is considered the primary beneficiary and consolidates the partnership in the company’s financial statements. The assets of the partnership cannot be used by the company for general corporate purposes. The partnership’s consolidated total assets as of March 31, 2019 and December 31, 2018, excluding intercompany balances, are \$102.8 million and \$67.3 million, respectively, and primarily consist of property and equipment, operating lease right-of-use assets and goodwill. The partnership’s consolidated total liabilities as of March 31, 2019 and December 31, 2018, excluding intercompany balances, are \$194.3 million and \$152.9 million, respectively, which primarily consist of long-term debt as discussed in *Note 8 – Debt* and operating lease liabilities. The liabilities recognized as a result of consolidating the partnership do not represent additional claims on our general assets. The company also owns a 90.0% interest in BioProcess Algae, a joint venture formed in 2008, and consolidates their results in its consolidated financial statements.

The accompanying unaudited consolidated financial statements are prepared in accordance with GAAP for interim financial information and the instructions to Form 10-Q and Article 10 of Regulation S-X. Because they do not include all of the information and notes required by GAAP, the consolidated financial statements should be read in conjunction with the company’s annual report on Form 10-K for the year ended December 31, 2018, as filed with the SEC on February 20, 2019.

The unaudited financial information reflects adjustments, which are, in the opinion of management, necessary for a fair presentation of results of operations, financial position and cash flows for the periods presented. The adjustments are normal and recurring in nature, unless otherwise noted. Interim period results are not necessarily indicative of the results to be expected for the entire year.

*Reclassifications*

Certain prior year amounts were reclassified to conform to the current year presentation. These reclassifications did not affect total revenues, costs and expenses, net loss or stockholders’ equity.

*Use of Estimates in the Preparation of Consolidated Financial Statements*

The preparation of consolidated financial statements in conformity with GAAP requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the consolidated financial statements, and the reported amounts of revenues and expenses during the reporting period. The company bases its estimates on historical experience and assumptions it believes are proper and reasonable under the circumstances and regularly evaluates the appropriateness of its estimates and assumptions. Actual results could differ from those estimates. Key accounting policies, including but not limited to those relating to revenue recognition, depreciation of property and equipment, carrying value of intangible assets, operating leases, impairment of long-lived assets and goodwill, derivative financial instruments, accounting for income taxes and assets acquired and

liabilities assumed in acquisitions, are impacted significantly by judgments, assumptions and estimates used in the preparation of the consolidated financial statements.

#### *Description of Business*

The company operates within four business segments: (1) ethanol production, which includes the production of ethanol, distillers grains and corn oil, (2) agribusiness and energy services, which includes grain handling and storage, commodity marketing and merchant trading for company-produced and third-party ethanol, distillers grains, corn oil, natural gas and other commodities, (3) food and ingredients, which includes cattle feeding and food-grade corn oil operations and included vinegar production until the sale of Fleischmann's Vinegar during the fourth quarter of 2018 and (4) partnership, which includes fuel storage and transportation services.

#### *Cash and Cash Equivalents*

Cash and cash equivalents includes bank deposits as well as short-term, highly liquid investments with original maturities of three months or less.

#### *Restricted Cash*

The company has restricted cash, which can only be used for funding letters of credit or for payment towards a revolving credit agreement. Restricted cash also includes cash margins and securities pledged to commodity exchange clearinghouses and at times, funds in escrow related to acquisition and disposition activities. To the degree these segregated balances are cash and cash equivalents, they are considered restricted cash on the consolidated statements of cash flows.

#### *Revenue Recognition*

The company recognizes revenue when obligations under the terms of a contract with a customer are satisfied. Generally this occurs with the transfer of control of products or services. Revenue is measured as the amount of consideration expected to be received in exchange for transferring goods or providing services. Sales, value add, and other taxes the company collects concurrent with revenue-producing activities are excluded from revenue.

Sales of ethanol, distillers grains, corn oil, natural gas and other commodities by the company's marketing business are recognized when obligations under the terms of a contract with a customer are satisfied. Generally, this occurs with the transfer of control of products or services. Revenues related to marketing for third parties are presented on a gross basis as the company controls the product prior to the sale to the end customer, takes title of the product and has inventory risk. Unearned revenue is recorded for goods in transit when the company has received payment but control has not yet been transferred to the customer. Revenues for receiving, storing, transferring and transporting ethanol and other fuels are recognized when the product is delivered to the customer.

The company routinely enters into physical-delivery energy commodity purchase and sale agreements. At times, the company settles these transactions by transferring its obligations to other counterparties rather than delivering the physical commodity. Energy trading transactions are reported net as a component of revenue. Revenues include net gains or losses from derivatives related to products sold while cost of goods sold includes net gains or losses from derivatives related to commodities purchased. Revenues also include realized gains and losses on related derivative financial instruments and reclassifications of realized gains and losses on cash flow hedges from accumulated other comprehensive income or loss.

Sales of products, including agricultural commodities, cattle and vinegar, are recognized when control of the product is transferred to the customer, which depends on the agreed upon shipment or delivery terms. Revenues related to grain merchandising are presented gross and include shipping and handling, which is also a component of cost of goods sold. Revenues from grain storage are recognized when services are rendered.

A substantial portion of the partnership revenues are derived from fixed-fee commercial agreements for storage, terminal or transportation services. The partnership recognizes revenue upon transfer of control of product from its storage tanks and fuel terminals, when railcar volumetric capacity is provided, and as truck transportation services are performed. To the extent shortfalls associated with minimum volume commitments in the previous four quarters continue to exist, volumes in excess of the minimum volume commitment are applied to those shortfalls. Remaining excess volumes generating operating lease revenue are recognized as incurred.

### *Shipping and Handling Costs*

The company accounts for shipping and handling activities related to contracts with customers as costs to fulfill its promise to transfer the associated products. Accordingly, the company records customer payments associated with shipping and handling costs as a component of revenue, and classifies such costs as a component of cost of goods sold.

### *Cost of Goods Sold*

Cost of goods sold includes direct labor, materials, shipping and plant overhead costs. Direct labor includes all compensation and related benefits of non-management personnel involved in ethanol production cattle feeding operations and vinegar production until the sale of Fleischmann's Vinegar during the fourth quarter of 2018. Grain purchasing and receiving costs, excluding labor costs for grain buyers and scale operators, are also included in cost of goods sold. Materials include the cost of corn feedstock, denaturant, process chemicals, cattle and veterinary supplies. Corn feedstock costs include gains and losses on related derivative financial instruments not designated as cash flow hedges, inbound freight charges, inspection costs and transfer costs, as well as reclassifications of gains and losses on cash flow hedges from accumulated other comprehensive income or loss. Plant overhead consists primarily of plant and feedlot utilities, repairs and maintenance, feedlot expenses and outbound freight charges. Shipping costs incurred by the company, including railcar costs, are also reflected in cost of goods sold.

The company uses exchange-traded futures and options contracts and forward purchase and sales contracts to attempt to minimize the effect of price changes on ethanol, grain, natural gas and cattle inventories. Exchange-traded futures and options contracts are valued at quoted market prices and settled predominantly in cash. The company is exposed to loss when counterparties default on forward purchase and sale contracts. Grain inventories held for sale and forward purchase and sale contracts are valued at market prices when available or other market quotes adjusted for differences, primarily in transportation, between the exchange-traded market and local market where the terms of the contract is based. Changes in forward purchase contracts and exchange-traded futures and options contracts are recognized as a component of cost of goods sold.

### *Operations and Maintenance Expenses*

In the partnership segment, transportation expenses represent the primary component of operations and maintenance expenses. Transportation expenses include railcar leases, freight and shipping of the company's ethanol and co-products, as well as costs incurred storing ethanol at destination terminals.

### *Derivative Financial Instruments*

The company uses various derivative financial instruments, including exchange-traded futures and exchange-traded and over-the-counter options contracts, to attempt to minimize risk and the effect of commodity price changes including but not limited to, corn, ethanol, cattle, natural gas and crude oil. The company monitors and manages this exposure as part of its overall risk management policy to reduce the adverse effect market volatility may have on its operating results. The company may hedge these commodities as one way to mitigate risk; however, there may be situations when these hedging activities themselves result in losses.

By using derivatives to hedge exposures to changes in commodity prices, the company is exposed to credit and market risk. The company's exposure to credit risk includes the counterparty's failure to fulfill its performance obligations under the terms of the derivative contract. The company minimizes its credit risk by entering into transactions with high quality counterparties, limiting the amount of financial exposure it has with each counterparty and monitoring their financial condition. Market risk is the risk that the value of the financial instrument might be adversely affected by a change in commodity prices or interest rates. The company manages market risk by incorporating parameters to monitor exposure within its risk management strategy, which limits the types of derivative instruments and strategies the company can use and the degree of market risk it can take using derivative instruments.

The company evaluates its physical delivery contracts to determine if they qualify for normal purchase or sale exemptions which are expected to be used or sold over a reasonable period in the normal course of business. Contracts that do not meet the normal purchase or sale criteria are recorded at fair value. Changes in fair value are recorded in operating income unless the contracts qualify for, and the company elects, cash flow hedge accounting treatment.

Certain qualifying derivatives related to ethanol production, agribusiness and energy services, and food and ingredients segments are designated as cash flow hedges. The company evaluates the derivative instrument to ascertain its effectiveness

prior to entering into cash flow hedges. Unrealized gains and losses are reflected in accumulated other comprehensive income or loss until the gain or loss from the underlying hedged transaction is realized. When it becomes probable a forecasted transaction will not occur, the cash flow hedge treatment is discontinued, which affects earnings. These derivative financial instruments are recognized in current assets or other current liabilities at fair value.

At times, the company hedges its exposure to changes in inventory values and designates qualifying derivatives as fair value hedges. The carrying amount of the hedged inventory is adjusted in the current period for changes in fair value. Ineffectiveness of the hedges is recognized in the current period to the extent the change in fair value of the inventory is not offset by the change in fair value of the derivative.

#### Recent Accounting Pronouncements

Effective January 1, 2019, the company adopted the amended guidance in ASC 842, *Leases*. Please refer to *Note 13 – Commitments and Contingencies* for further details.

## 2. REVENUE

#### Revenue Recognition

Revenue is recognized when obligations under the terms of a contract with a customer are satisfied. Generally this occurs with the transfer of control of products or services. Revenue is measured as the amount of consideration expected to be received in exchange for transferring goods or providing services. Sales, value add, and other taxes the company collects concurrent with revenue-producing activities are excluded from revenue.

#### Revenue by Source

The following table disaggregates revenue by major source for the three months ended March 31, 2019 and 2018 (in thousands):

	Three Months Ended March 31, 2019					
	Ethanol Production	Agribusiness & Energy Services	Food & Ingredients	Partnership	Eliminations	Total
Revenues:						
Revenues from contracts with customers under ASC 606:						
Ethanol	\$ 620	\$ -	\$ -	\$ -	\$ -	\$ 620
Distillers grains	17,678	-	-	-	-	17,678
Cattle	-	-	222,904	-	-	222,904
Service revenues	-	-	-	2,083	-	2,083
Other	235	178	-	-	-	413
Intersegment revenues	28	-	38	1,392	(1,458)	-
Total revenues from contracts with customers	18,561	178	222,942	3,475	(1,458)	243,698
Revenues from contracts accounted for as derivatives under ASC 815 <sup>(1)</sup> :						
Ethanol	201,158	77,077	-	-	-	278,235
Distillers grains	34,646	15,409	-	-	-	50,055
Corn oil	8,614	6,971	1,451	-	-	17,036
Grain	-	20,749	-	-	-	20,749
Cattle	-	-	(15,856)	-	-	(15,856)
Other	5,765	42,411	-	-	-	48,176
Intersegment revenues	2,089	6,413	-	-	(8,502)	-
Total revenues from contracts accounted for as derivatives	252,272	169,030	(14,405)	-	(8,502)	398,395
Leasing revenues under ASC 842 <sup>(2)</sup> :	-	-	-	17,612	(17,390)	222
Total Revenues	\$ 270,833	\$ 169,208	\$ 208,537	\$ 21,087	\$ (27,350)	\$ 642,315

(1) Revenues from contracts accounted for as derivatives represent physically settled derivative sales that are outside the scope of ASC 606, *Revenue from Contracts with Customers* (ASC 606), where the company recognizes revenue when control of the inventory is transferred within the meaning of ASC 606 as required by ASC 610-20, *Gains and Losses from the Derecognition of Nonfinancial Assets*.

(2) Leasing revenues do not represent revenues recognized from contracts with customers under ASC 606, and are accounted for under ASC 842, *Leases*.

**Three Months Ended March 31, 2018**

	Ethanol Production	Agribusiness & Energy Services	Food & Ingredients	Partnership	Eliminations	Total
<b>Revenues:</b>						
Revenues from contracts with customers under ASC 606:						
Ethanol	\$ 2,466	\$ -	\$ -	\$ -	\$ -	\$ 2,466
Distillers grains	29,997	-	-	-	-	29,997
Cattle and vinegar	-	-	267,416	-	-	267,416
Service revenues	-	-	-	1,218	-	1,218
Other	131	677	-	-	-	808
Intersegment revenues	662	-	42	-	(704)	-
<b>Total revenues from contracts with customers</b>	<b>33,256</b>	<b>677</b>	<b>267,458</b>	<b>1,218</b>	<b>(704)</b>	<b>301,905</b>
Revenues from contracts accounted for as derivatives under ASC 815 <sup>(1)</sup> :						
Ethanol	442,573	122,541	-	-	-	565,114
Distillers grains	67,709	21,212	-	-	-	88,921
Corn oil	16,470	8,670	2,287	-	-	27,427
Grain	133	14,286	-	-	-	14,419
Cattle and vinegar	-	-	8,406	-	-	8,406
Other	4,284	34,401	-	-	-	38,685
Intersegment revenues	1,291	11,429	-	2,172	(14,892)	-
<b>Total revenues from contracts accounted for as derivatives</b>	<b>532,460</b>	<b>212,539</b>	<b>10,693</b>	<b>2,172</b>	<b>(14,892)</b>	<b>742,972</b>
Leasing revenues under ASC 840 <sup>(2)</sup> :	-	-	-	22,495	(22,085)	410
<b>Total Revenues</b>	<b>\$ 565,716</b>	<b>\$ 213,216</b>	<b>\$ 278,151</b>	<b>\$ 25,885</b>	<b>\$ (37,681)</b>	<b>\$ 1,045,287</b>

- (1) Revenues from contracts accounted for as derivatives represent physically settled derivative sales that are outside the scope of ASC 606, *Revenue from Contracts with Customers* (ASC 606), where the company recognizes revenue when control of the inventory is transferred within the meaning of ASC 606 as required by ASC 610-20, *Gains and Losses from the Derecognition of Nonfinancial Assets*.
- (2) Leasing revenues do not represent revenues recognized from contracts with customers under ASC 606, and are accounted for under ASC 840, *Leases*.

*Payment Terms*

The company has standard payment terms, which vary depending upon the nature of the services provided, with the majority falling within 10 to 30 days after transfer of control or completion of services. In instances where the timing of revenue recognition differs from the timing of invoicing, the company has determined that contracts generally do not include a significant financing component.

*Contract Liabilities*

The company records unearned revenue when consideration is received, or such consideration is unconditionally due, from a customer prior to transferring goods or services to the customer under the terms of service and lease agreements. Unearned revenue from service agreements, which represents a contract liability, is recorded for fees that have been charged to the customer prior to the completion of performance obligations. Unearned revenue is generally recognized in the subsequent quarter and is not material to the company. The company expects to recognize all of the unearned revenue associated with service agreements as of March 31, 2019, in the subsequent quarter when the inventory is withdrawn from the partnership's tank storage.

**3. ACQUISITIONS AND DISPOSITIONS**

*ACQUISITIONS*

*Acquisition of Cattle Feeding Operations – Bartlett Cattle Company, L.P.*

On August 1, 2018, the company acquired two cattle-feeding operations from Bartlett Cattle Company, L.P. for \$16.2 million, plus working capital of approximately \$106.6 million primarily consisting of work-in-process inventory. The transaction included the feed yards located in Sublette, Kansas and Tulia, Texas, which added combined feedlot capacity of 97,000 head of cattle to the company's operations. The transaction was financed using cash on hand and proceeds from the Green Plains Cattle senior secured asset-based revolving credit facility. There were no material acquisition costs recorded for the acquisition.

The following is a summary of the assets acquired and liabilities assumed (in thousands):

<b>Amounts of Identifiable Assets Acquired and Liabilities Assumed</b>	
Accounts receivable	\$ 1,897
Inventory	104,809
Property and equipment, net	16,190
<b>Current liabilities</b>	<b>(118)</b>
Total identifiable net assets	<u>\$ 122,778</u>

The amounts above reflect the final purchase price allocation, which included working capital true-up payments by the company of \$0.9 million made during the third quarter of 2018.

#### *DISPOSITIONS*

##### *Disposition of Fleischmann's Vinegar*

On November 27, 2018, the company and Green Plains II LLC, an indirect wholly-owned subsidiary of the company, completed the sale of Fleischmann's Vinegar Company, Inc. to Kerry Holding Co. ("Kerry"). The company received as net consideration from Kerry \$353.7 million in cash and restricted cash, including net working capital adjustments. The divested assets were reported within the company's food and ingredients segment. The company recorded a pre-tax gain on the sale of Fleischmann's Vinegar of \$58.2 million, including offsetting related transaction costs of \$7.4 million within the corporate segment.

The assets and liabilities of Fleischmann's Vinegar at closing on November 27, 2018 were as follows (in thousands):

<b>Amounts of Identifiable Assets Disposed and Liabilities Relinquished</b>	
Cash	\$ 2,107
Accounts receivable, net	15,935
Inventory	15,167
Prepaid expenses and other	853
Property and equipment	64,552
Other assets	79,389
<b>Current liabilities</b>	<b>(8,587)</b>
<b>Deferred tax liabilities</b>	<b>(26,617)</b>
Total identifiable net assets	<u>142,799</u>
Goodwill	142,002
Net assets disposed	<u>\$ 284,801</u>

The amounts above reflect the preliminary working capital true-up payments made to and received from Kerry.

##### *Disposition of Bluffton, Lakota and Riga Ethanol Plants*

On November 15, 2018, the company completed the sale of three ethanol plants located in Bluffton, Indiana, Lakota, Iowa, and Riga, Michigan, and certain related assets from subsidiaries, to Valero Renewable Fuels Company, LLC ("Valero") for the sale price of \$323.2 million, including net working capital and other adjustments. Correspondingly, the partnership's storage assets located adjacent to such plants were sold to Green Plains Inc. for \$120.9 million. The company received as consideration from Valero approximately \$323.2 million, while the partnership received as consideration from the company 8.7 million partnership units and a portion of the general partner interest equating to 0.2 million equivalent limited partner units to maintain the general partner's 2% interest. In addition, the partnership also received additional consideration of approximately \$2.7 million from Valero for the assignment of certain railcar operating leases. The divested assets were reported within the company's ethanol production, agribusiness and energy services and partnership segments. The company recorded a pre-tax gain on the sale of the three ethanol plants of \$92.2 million, of which \$89.5 million was recorded within the corporate segment and \$2.7 million was recorded within the partnership segment, including offsetting transaction costs of \$4.2 million, of which \$3.7 million were recorded within the corporate segment and \$0.5 million were recorded within the partnership segment.

The assets and liabilities of the Bluffton, Lakota and Riga ethanol plants are as follows (in thousands):

<b>Amounts of Identifiable Assets Disposed and Liabilities Relinquished</b>	
Inventory	\$ 36,812
Prepaid expenses and other	189
Property and equipment	184,970
Other assets	1,717
Current liabilities	(746)
Other liabilities	(4,706)
Total identifiable net assets	218,236
Goodwill	6,188
Net assets disposed	\$ 224,424

The amounts above reflect the final working capital true-up payments by Valero of \$3.4 million received during the first quarter of 2019.

#### **4. FAIR VALUE DISCLOSURES**

The following methods, assumptions and valuation techniques were used in estimating the fair value of the company's financial instruments:

Level 1 – unadjusted quoted prices in active markets for identical assets or liabilities the company can access at the measurement date.

Level 2 – directly or indirectly observable inputs such as quoted prices for similar assets or liabilities in active markets other than quoted prices included within Level 1, quoted prices for identical or similar assets in markets that are not active, and other inputs that are observable or can be substantially corroborated by observable market data through correlation or other means. Grain inventories held for sale in the agribusiness and energy services segment are valued at nearby futures values, plus or minus nearby basis.

Level 3 – unobservable inputs that are supported by little or no market activity and comprise a significant component of the fair value of the assets or liabilities. The company currently does not have any recurring Level 3 financial instruments.

Derivative contracts include exchange-traded commodity futures and options contracts and forward commodity purchase and sale contracts. Exchange-traded futures and options contracts are valued based on unadjusted quoted prices in active markets and are classified in Level 1. The majority of the company's exchange-traded futures and options contracts are cash-settled on a daily basis.

There have been no changes in valuation techniques and inputs used in measuring fair value. The company's assets and liabilities by level are as follows (in thousands):

<b>Fair Value Measurements at March 31, 2019</b>			
	<b>Quoted Prices in Active Markets for Identical Assets (Level 1)</b>	<b>Significant Other Observable Inputs (Level 2)</b>	<b>Total</b>
<b>Assets:</b>			
Cash and cash equivalents	\$ 214,068	\$ -	\$ 214,068
Restricted cash	59,174	-	59,174
Inventories carried at market	-	65,340	65,340
Unrealized gains on derivatives	-	7,428	7,428
Other assets	113	-	113
<b>Total assets measured at fair value</b>	<b>\$ 273,355</b>	<b>\$ 72,768</b>	<b>\$ 346,123</b>
<b>Liabilities:</b>			
Accounts payable <sup>(1)</sup>	\$ -	\$ 20,619	\$ 20,619
Unrealized losses on derivatives	-	8,117	8,117
<b>Total liabilities measured at fair value</b>	<b>\$ -</b>	<b>\$ 28,736</b>	<b>\$ 28,736</b>

<b>Fair Value Measurements at December 31, 2018</b>			
	<b>Quoted Prices in Active Markets for Identical Assets (Level 1)</b>	<b>Significant Other Observable Inputs (Level 2)</b>	<b>Total</b>
<b>Assets:</b>			
Cash and cash equivalents	\$ 251,683	\$ -	\$ 251,683
Restricted cash	66,512	-	66,512
Inventories carried at market	-	111,960	111,960
Unrealized gains on derivatives	-	9,976	9,976
Other assets	114	1	115
<b>Total assets measured at fair value</b>	<b>\$ 318,309</b>	<b>\$ 121,937</b>	<b>\$ 440,246</b>
<b>Liabilities:</b>			
Accounts payable <sup>(1)</sup>	\$ -	\$ 16,573	\$ 16,573
Unrealized losses on derivatives	-	7,852	7,852
Other liabilities	-	2	2
<b>Total liabilities measured at fair value</b>	<b>\$ -</b>	<b>\$ 24,427</b>	<b>\$ 24,427</b>

(1) Accounts payable is generally stated at historical amounts with the exception of \$20.6 million and \$16.6 million at March 31, 2019 and December 31, 2018, respectively, related to certain delivered inventory for which the payable fluctuates based on changes in commodity prices. These payables are hybrid financial instruments for which the company has elected the fair value option.

The company believes the fair value of its debt approximated book value, which was \$883.3 million at March 31, 2019 and \$891.2 million at December 31, 2018. The company estimated the fair value of its outstanding debt using Level 2 inputs. The company believes the fair values of its accounts receivable approximated book value, which was \$66.6 million and \$100.4 million at March 31, 2019 and December 31, 2018, respectively.

Although the company currently does not have any recurring Level 3 financial measurements, the fair values of tangible assets and goodwill acquired and the equity component of convertible debt represent Level 3 measurements which were derived using a combination of the income approach, market approach and cost approach for the specific assets or liabilities being valued.

## 5. SEGMENT INFORMATION

The company reports the financial and operating performance for the following four operating segments: (1) ethanol production, which includes the production of ethanol, distillers grains and corn oil, (2) agribusiness and energy services, which includes grain handling and storage, commodity marketing and merchant trading for company-produced and third-party ethanol, distillers grains, corn oil and other commodities, (3) food and ingredients, which includes cattle feeding and food-grade corn oil operations and included vinegar production until the sale of Fleischmann's Vinegar during the fourth quarter of 2018 and (4) partnership, which includes fuel storage and transportation services.

Corporate activities include selling, general and administrative expenses, consisting primarily of compensation, professional fees and overhead costs not directly related to a specific operating segment.

During the normal course of business, the operating segments conduct business with each other. For example, the agribusiness and energy services segment procures grain and natural gas and sells products, including ethanol, distillers grains and corn oil for the ethanol production segment. The partnership segment provides fuel storage and transportation services for the ethanol production segment. These intersegment activities are treated like third-party transactions with origination, marketing and storage fees charged at estimated market values. Consequently, these transactions affect segment performance; however, they do not impact the company's consolidated results since the revenues and corresponding costs are eliminated.

The following tables set forth certain financial data for the company's operating segments (in thousands):

	Three Months Ended March 31,	
	2019	2018
Revenues:		
Ethanol production:		
Revenues from external customers	\$ 268,716	\$ 563,763
Intersegment revenues	2,117	1,953
Total segment revenues	<u>270,833</u>	<u>565,716</u>
Agribusiness and energy services:		
Revenues from external customers	162,795	201,787
Intersegment revenues	6,413	11,429
Total segment revenues	<u>169,208</u>	<u>213,216</u>
Food and ingredients:		
Revenues from external customers	208,499	278,109
Intersegment revenues	38	42
Total segment revenues	<u>208,537</u>	<u>278,151</u>
Partnership:		
Revenues from external customers	2,305	1,628
Intersegment revenues	18,782	24,257
Total segment revenues	<u>21,087</u>	<u>25,885</u>
Revenues including intersegment activity	669,665	1,082,968
Intersegment eliminations	<u>(27,350)</u>	<u>(37,681)</u>
Revenues as reported	<u>\$ 642,315</u>	<u>\$ 1,045,287</u>

Refer to *Note 2 - Revenue*, for further disaggregation of revenue by operating segment.

	Three Months Ended March 31,	
	2019	2018
Cost of goods sold:		
Ethanol production	\$ 293,487	\$ 564,559
Agribusiness and energy services	159,626	201,712
Food and ingredients	206,073	259,765
Partnership	-	-
Intersegment eliminations	<u>(23,611)</u>	<u>(37,701)</u>
	<u>\$ 635,575</u>	<u>\$ 988,335</u>

	Three Months Ended March 31,	
	2019	2018
Operating income (loss):		
Ethanol production	\$ (44,192)	\$ (27,529)
Agribusiness and energy services	5,304	7,064
Food and ingredients	(1,432)	12,585
Partnership	12,551	15,360
Intersegment eliminations	(3,677)	68
Corporate activities	(8,559)	(11,473)
	<u>\$ (40,005)</u>	<u>\$ (3,925)</u>

	Three Months Ended March 31,	
	2019	2018
EBITDA:		
Ethanol production	\$ (28,503)	\$ (7,095)
Agribusiness and energy services	5,862	7,702
Food and ingredients	257	15,997
Partnership	13,771	16,623
Intersegment eliminations	(3,677)	68
Corporate activities	(6,379)	(10,175)
	<u>\$ (18,669)</u>	<u>\$ 23,120</u>

	Three Months Ended March 31,	
	2019	2018
Depreciation and amortization:		
Ethanol production	\$ 15,340	\$ 20,436
Agribusiness and energy services	549	630
Food and ingredients	1,611	3,404
Partnership	985	1,181
Corporate activities	750	823
	<u>\$ 19,235</u>	<u>\$ 26,474</u>

The following table reconciles net loss to EBITDA (in thousands):

	Three Months Ended March 31,	
	2019	2018
Net loss	\$ (37,871)	\$ (19,455)
Interest expense	14,427	22,128
Income tax benefit	(14,460)	(6,027)
Depreciation and amortization <sup>(1)</sup>	19,235	26,474
EBITDA	<u>\$ (18,669)</u>	<u>\$ 23,120</u>

(1) Excludes the amortization of operating lease right-of-use assets and amortization of debt issuance costs.

The following table sets forth total assets by operating segment (in thousands):

	<b>March 31, 2019</b>	<b>December 31, 2018</b>
Total assets <sup>(1)</sup> :		
Ethanol production	\$ 876,306	\$ 872,845
Agribusiness and energy services	325,226	399,633
Food and ingredients	550,700	552,459
Partnership	102,805	67,297
Corporate assets	306,617	334,236
Intersegment eliminations	(14,074)	(10,038)
	<u>\$ 2,147,580</u>	<u>\$ 2,216,432</u>

(1) Asset balances by segment exclude intercompany balances.

## 6. INVENTORIES

Inventories are carried at the lower of cost or net realizable value, except grain held for sale and fair-value hedged inventories. Commodities held for sale are reported at market value. As of March 31, 2019, the company recorded a \$3.3 million lower of cost or market inventory adjustment reflected in cost of goods sold within the ethanol production segment.

The components of inventories are as follows (in thousands):

	<b>March 31, 2019</b>	<b>December 31, 2018</b>
Finished goods	\$ 111,900	\$ 99,765
Commodities held for sale	27,222	62,980
Raw materials	98,250	119,014
Work-in-process	439,917	423,840
Supplies and parts	29,736	29,284
	<u>\$ 707,025</u>	<u>\$ 734,883</u>

## 7. DERIVATIVE FINANCIAL INSTRUMENTS

At March 31, 2019, the company's consolidated balance sheet reflected unrealized losses of \$12.5 million, net of tax, in accumulated other comprehensive income. The company expects these losses will be reclassified as operating income over the next 12 months as a result of hedged transactions that are forecasted to occur. The amount realized in operating income will differ as commodity prices change.

*Fair Values of Derivative Instruments*

The fair values of the company's derivative financial instruments and the line items on the consolidated balance sheets where they are reported are as follows (in thousands):

	Asset Derivatives' Fair Value		Liability Derivatives' Fair Value	
	March 31, 2019	December 31, 2018	March 31, 2019	December 31, 2018
Derivative financial instruments	\$ 7,428 <sup>(1)</sup>	\$ 9,976 <sup>(2)</sup>	\$ 8,117 <sup>(3)</sup>	\$ 7,852 <sup>(4)</sup>
Other assets	-	1	-	-
Other liabilities	-	-	-	2
Total	\$ 7,428	\$ 9,977	\$ 8,117	\$ 7,854

- (1) At March 31, 2019, derivative financial instruments, as reflected on the balance sheet, includes net unrealized gains on exchange traded futures and options contracts of \$4.1 million.
- (2) At December 31, 2018, derivative financial instruments, as reflected on the balance sheet, includes net unrealized gains on exchange traded futures and options contracts of \$16.3 million.
- (3) At March 31, 2019, derivative financial instruments, as reflected on the balance sheet, includes net unrealized losses on exchange traded futures and options contracts of \$7.8 million, which included \$6.7 million of net unrealized losses on derivative financial instruments designated as cash flow hedging instruments.
- (4) At December 31, 2018, derivative financial instruments, as reflected on the balance sheet, includes net unrealized losses on exchange traded futures and options contracts of \$16.9 million, which included \$16.5 million of net unrealized losses on derivative financial instruments designated as cash flow hedging instruments.

Refer to *Note 4 - Fair Value Disclosures*, which contains fair value information related to derivative financial instruments.

*Effect of Derivative Instruments on Consolidated Balance Sheets, Consolidated Statements of Operations and Consolidated Statements of Comprehensive Income*

The gains or losses recognized in income and other comprehensive income related to the company's derivative financial instruments and the line items on the consolidated financial statements where they are reported are as follows (in thousands):

Location of Gain or (Loss) Reclassified from Accumulated Other Comprehensive Income into Income	Amount of Gain or (Loss) Reclassified from Accumulated Other Comprehensive Income into Income	
	Three Months Ended March 31, 2019	Three Months Ended March 31, 2018
Revenues	\$ (13,359)	\$ 1,761
Cost of goods sold	(157)	(978)
Net gain (loss) recognized in loss before tax	\$ (13,516)	\$ 783

Gain (Loss) Recognized in Other Comprehensive Income on Derivatives	Gain or (Loss) Recognized in Other Comprehensive Income on Derivatives	
	Three Months Ended March 31, 2019	Three Months Ended March 31, 2018
Commodity contracts	\$ (8,963)	\$ 22,266

Derivatives Not Designated as Hedging Instruments	Location of Gain or (Loss) Recognized in Income on Derivatives	Amount of Gain or (Loss) Recognized in Income on Derivatives	
		Three Months Ended March 31, 2019	Three Months Ended March 31, 2018
Commodity contracts	Revenues	\$ (15,321)	\$ 936
Commodity contracts	Costs of goods sold	166	(6,998)
Net loss recognized in loss before tax		\$ (15,155)	\$ (6,062)

The following amounts were recorded on the consolidated balance sheets related to cumulative basis adjustments for the fair value hedged items (in thousands):

Line Item in the Consolidated Balance Sheet in Which the Hedged Item is Included	March 31, 2019		December 31, 2018	
	Carrying Amount of the Hedged Assets	Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets	Carrying Amount of the Hedged Assets	Cumulative Amount of Fair Value Hedging Adjustment Included in the Carrying Amount of the Hedged Assets
Inventories	\$ 45,139	\$ 378	\$ 89,188	\$ 2,430

*Effect of Cash Flow and Fair Value Hedge Accounting on the Statements of Operations*

The effect of cash flow and fair value hedges and the line items on the consolidated statements of operations where they are reported are as follows (in thousands):

	Location and Amount of Gain or (Loss) Recognized in Income on Cash Flow and Fair Value Hedging Relationships for the Three Months Ended March 31,			
	2019		2018	
	Revenue	Cost of Goods Sold	Revenue	Cost of Goods Sold
Gain (loss) on cash flow hedging relationships:				
Commodity contracts:				
Amount of gain (loss) reclassified from accumulated other comprehensive income into income	\$ (13,359)	\$ (157)	\$ 1,761	\$ (978)
Gain (loss) on fair value hedging relationships:				
Commodity contracts:				
Hedged item	-	(1,553)	-	9,393
Derivatives designated as hedging instruments	-	3,859	-	(8,432)
Total amounts of income and expense line items presented in the statement of operations in which the effects of cash flow or fair value hedges are recorded	\$ (13,359)	\$ 2,149	\$ 1,761	\$ (17)

There were no gains or losses from discontinuing cash flow or fair value hedge treatment during the three months ended March 31, 2019 and 2018.

The open commodity derivative positions as of March 31, 2019, are as follows (in thousands):

Derivative Instruments	Exchange Traded <sup>(1)</sup>	Non-Exchange Traded <sup>(2)</sup>		Unit of Measure	Commodity
	Net Long & (Short)	Long	(Short)		
Futures	(26,290)			Bushels	Corn and Soybeans
Futures	(11,140) <sup>(4)</sup>			Bushels	Corn
Futures	(43,031)			Gallons	Ethanol
Futures	(800)			MmBTU	Natural Gas
Futures	(2,778) <sup>(4)</sup>			MmBTU	Natural Gas
Futures	20,400			Pounds	Cattle
Futures	(354,800) <sup>(3)</sup>			Pounds	Cattle
Options	20,567			Bushels	Corn and Soybeans
Options	19,443			Gallons	Ethanol
Options	579			MmBTU	Natural Gas
Options	(60,702)			Pounds	Cattle
Forwards		26,158	(1,789)	Bushels	Corn and Soybeans
Forwards		21,851	(315,435)	Gallons	Ethanol
Forwards		90	(345)	Tons	DDG
Forwards		19,502	(60,570)	Pounds	Corn Oil
Forwards		16,480	(5,230)	MmBTU	Natural Gas

(1) Exchange traded futures and options are presented on a net long and (short) position basis. Options are presented on a delta-adjusted basis.

(2) Non-exchange traded forwards are presented on a gross long and (short) position basis including both fixed-price and basis contracts.

(3) Futures used for cash flow hedges.

(4) Futures or non-exchange traded forwards used for fair value hedges.

Energy trading contracts that do not involve physical delivery are presented net in revenues on the consolidated statements of operations. Included in revenues are net gains on energy trading contracts of \$8.5 million and \$6.7 million for the three months ended March 31, 2019 and 2018, respectively.

## 8. DEBT

The components of long-term debt are as follows (in thousands):

	March 31, 2019	December 31, 2018
Corporate:		
3.25% convertible notes due 2019	\$ 54,551	\$ 53,457
4.125% convertible notes due 2022	144,288	142,708
Green Plains Partners:		
\$200.0 million revolving credit facility	135,000	134,000
Other	25,818	26,022
Total face value of long-term debt	359,657	356,187
Unamortized debt issuance costs	(2,884)	(3,190)
Less: current portion of long-term debt	(55,740)	(54,807)
Total long-term debt	\$ 301,033	\$ 298,190

The components of short-term notes payable and other borrowings are as follows:

	March 31, 2019	December 31, 2018
Green Plains Cattle:		
\$500.0 million revolver	\$ 393,000	\$ 374,492
Green Plains Grain:		
\$125.0 million revolver	37,000	41,000
\$50.0 million inventory financing	-	-
Green Plains Trade:		
\$300.0 million revolver	87,205	108,485
Green Plains Commodity Management:		
\$20.0 million hedge line	9,318	14,266
	<u>\$ 526,523</u>	<u>\$ 538,243</u>

#### Corporate Activities

During the three months ended September 30, 2018, the company entered into exchange agreements with certain beneficial owners of the company's outstanding 3.25% convertible senior notes due 2018 (the "Old Notes"), pursuant to which such investors exchanged \$56.8 million in aggregate principal amount of the Old Notes for \$56.8 million in aggregate principal amount of notes due 2019 (the "New Notes").

The New Notes are the senior, unsecured obligations of the company and bear interest at a rate of 3.25% per annum, payable semi-annually in arrears on April 1 and October 1 of each year, beginning on October 1, 2018. Interest on the New Notes accrued from, and including, April 1, 2018. The New Notes will mature on October 1, 2019, unless earlier converted. Holders of New Notes may convert their New Notes, at their option, in integral multiples of \$1,000 principal amount, at any time prior to the close of business on the scheduled trading day immediately preceding the maturity date of the New Notes. The conversion rate for the New Notes was initially 50.6481 shares of the company's common stock per \$1,000 principal amount of New Notes, which corresponded to an initial conversion price of approximately \$19.74 per share of the company's common stock. The conversion rate will be subject to adjustment upon the occurrence of certain events. Upon conversion of the convertible notes, the company will settle its conversion obligation by delivering shares of its common stock at the applicable conversion rate, together with cash in lieu of any fractional share.

The company does not have the right to redeem the New Notes at its election before their maturity. The New Notes are subject to customary provisions providing for the acceleration of their principal and interest upon the occurrence of events that constitute an "event of default." Events of default include, among other events, certain payment defaults, defaults in settling conversions, certain defaults under the company's other indebtedness and certain insolvency-related events. Upon maturity, the company will settle the New Notes in cash.

In August 2016, the company issued \$170.0 million of 4.125% convertible senior notes due in 2022, or the 4.125% notes. The 4.125% notes are senior, unsecured obligations of the company, with interest payable on March 1 and September 1 of each year. The company may settle the 4.125% notes in cash, common stock or a combination of cash and common stock.

Prior to March 1, 2022, the 4.125% notes are not convertible unless certain conditions are satisfied. The conversion rate is subject to adjustment upon the occurrence of certain events, including when the quarterly cash dividend exceeds \$0.12 per share and upon redemption of the 4.125% notes. The initial conversion rate is 35.7143 shares of common stock per \$1,000 of principal, which is equal to a conversion price of approximately \$28.00 per share.

The company may redeem all, but not less than all, of the 4.125% notes at any time on or after September 1, 2020, if the company's common stock equals or exceeds 140% of the applicable conversion price for a specified time period ending on the trading day immediately prior to the date the company delivers notice of the redemption. The redemption price will equal 100% of the principal plus any accrued and unpaid interest. Holders of the 4.125% notes have the option to require the company to repurchase the 4.125% notes in cash at a price equal to 100% of the principal plus accrued and unpaid interest when there is a fundamental change, such as change in control. If an event of default occurs, it could result in the 4.125% notes being declared due and payable.

### *Ethanol Production Segment*

We have small equipment financing loans, finance leases on equipment or facilities, and other forms of debt financing.

### *Agribusiness and Energy Services Segment*

Green Plains Grain has a \$125.0 million senior secured asset-based revolving credit facility, to finance working capital up to the maximum commitment based on eligible collateral equal to the sum of percentages of eligible cash, receivables and inventories, less miscellaneous adjustments. The credit facility matures on July 26, 2019. Advances are subject to an interest rate equal to LIBOR plus 3.00% or the lenders' base rate plus 2.00%. The credit facility also includes an accordion feature that enables the facility to be increased by up to \$75.0 million with agent approval. The credit facility can also be increased by up to \$50.0 million for seasonal borrowings. Total commitments outstanding cannot exceed \$250.0 million. The total unused portion of the \$125.0 million revolving credit facility is also subject to a commitment fee ranging from 0.375% to 0.50% per annum depending on utilization.

Lenders receive a first priority lien on certain cash, inventory, accounts receivable and other assets owned by Green Plains Grain. The terms impose affirmative and negative covenants for Green Plains Grain, including maintaining minimum working capital of \$22.4 million and tangible net worth of \$27.7 million. Capital expenditures are limited to \$8.0 million per year under the credit facility, plus equity contributions from the company and unused amounts of up to \$8.0 million from the previous year. In addition, the credit facility requires the company to maintain a minimum fixed charge coverage ratio of 1.25 to 1.00 and a maximum annual leverage ratio of 6.00 to 1.00 at the end of each quarter. The fixed charge coverage ratio and long-term capitalization ratio apply only if the company has long-term indebtedness on the date of calculation. As of March 31, 2019, Green Plains Grain had no long-term indebtedness. The credit facility also contains restrictions on distributions related to capital stock, with exceptions for distributions up to 50% of net profit before tax, subject to certain conditions.

Green Plains Trade has a \$300.0 million senior secured asset-based revolving credit facility to finance working capital for marketing and distribution activities based on eligible collateral equal to the sum of percentages of eligible receivables and inventories, less miscellaneous adjustments. The credit facility matures on July 28, 2022 and consists of a \$285 million credit facility and a \$15 million first-in-last-out (FILO) credit facility, and includes an accordion feature that enables the credit facility to be increased by up to \$70.0 million with agent approval. Advances are subject to variable interest rates equal to daily LIBOR plus 2.25% on the credit facility and daily LIBOR plus 3.25% on the FILO credit facility. The total unused portion of the revolving credit facility is also subject to a commitment fee of 0.375% per annum.

The terms impose affirmative and negative covenants for Green Plains Trade, including maintaining a minimum fixed charge coverage ratio of 1.15 to 1.00. Capital expenditures are limited to \$1.5 million per year under the credit facility. The credit facility also restricts distributions related to capital stock, with an exception for distributions up to 50% of net income if, on a pro forma basis, (a) availability has been greater than \$10.0 million for the last 30 days and (b) the borrower would be in compliance with the fixed charge coverage ratio on the distribution date.

Green Plains Grain has entered into short-term inventory financing agreements with a financial institution. The company has accounted for the agreements as short-term notes, rather than sales, and has elected the fair value option to offset fluctuations in market prices of the inventory. The company had no short-term notes payable related to these inventory financing agreements as of March 31, 2019.

Green Plains Commodity Management has an uncommitted \$20.0 million revolving credit facility which matures April 30, 2023 to finance margins related to its hedging programs. Advances are subject to variable interest rates equal to LIBOR plus 1.75%.

### *Food and Ingredients Segment*

Green Plains Cattle has a \$500.0 million senior secured asset-based revolving credit facility, which matures on April 30, 2020, to finance working capital for the cattle feeding operations up to the maximum commitment based on eligible collateral equal to the sum of percentages of eligible receivables, inventories and other current assets, less miscellaneous adjustments. Advances, as amended, are subject to variable interest rates equal to LIBOR plus 2.00% to 3.00%, or the base rate plus 1.00% to 2.00%, depending upon the preceding three months' excess borrowing availability. The amended credit facility also includes an accordion feature that enables the credit facility to be increased by up to \$75.0 million with agent approval. The unused portion of the credit facility is also subject to a commitment fee of 0.20% to 0.30% per annum, depending on the preceding three months' excess borrowing availability.

Lenders receive a first priority lien on certain cash, inventory, accounts receivable, property and equipment and other assets owned by Green Plains Cattle. The amended terms impose affirmative and negative covenants, including maintaining a minimum working capital of 15% of the commitment amount, minimum tangible net worth of 20% of the commitment amount, plus 50% of net profit from the previous year, and a maximum total debt to tangible net worth ratio of 3.50 to 1.00. Capital expenditures are limited to \$10.0 million per year under the credit facility, plus \$10.0 million per year if funded by a contribution from parent, plus any unused amounts from the previous year.

#### *Partnership Segment*

Green Plains Partners, through a wholly owned subsidiary, has a \$200.0 million revolving credit facility, which matures on July 1, 2020, to fund working capital, acquisitions, distributions, capital expenditures and other general partnership purposes. Advances under the credit facility are subject to a floating interest rate based on the preceding fiscal quarter's consolidated leverage ratio at a base rate plus 1.25% to 2.00% or LIBOR plus 2.25% to 3.00%. The credit facility can be increased by an additional \$20.0 million without the consent of the lenders. The unused portion of the credit facility is also subject to a commitment fee of 0.35% to 0.50%, depending on the preceding fiscal quarter's consolidated leverage ratio.

The partnership's obligations under the credit facility are secured by a first priority lien on (i) the capital stock of the partnership's present and future subsidiaries, (ii) all of the partnership's present and future personal property, such as investment property, general intangibles and contract rights, including rights under agreements with Green Plains Trade, and (iii) all proceeds and products of the equity interests of the partnership's present and future subsidiaries and its personal property. The terms impose affirmative and negative covenants including restricting the partnership's ability to incur additional debt, acquire and sell assets, create liens, invest capital, pay distributions and materially amend the partnership's commercial agreements with Green Plains Trade. The credit facility also requires the partnership to maintain a maximum consolidated net leverage ratio of no more than 3.50x and a minimum consolidated interest coverage ratio of no less than 2.75x, each of which is calculated on a pro forma basis with respect to acquisitions and divestitures occurring during the applicable period. The consolidated leverage ratio is calculated by dividing total funded indebtedness minus the lesser of cash in excess of \$5.0 million or \$30.0 million by the sum of the four preceding fiscal quarters' consolidated EBITDA. The consolidated interest coverage ratio is calculated by dividing the sum of the four preceding fiscal quarters' consolidated EBITDA by the sum of the four preceding fiscal quarters' interest charges.

#### *Covenant Compliance*

The company was in compliance with its debt covenants as of March 31, 2019.

#### *Restricted Net Assets*

At March 31, 2019, there were approximately \$143.6 million of net assets at the company's subsidiaries that could not be transferred to the parent company in the form of dividends, loans or advances due to restrictions contained in the credit facilities of these subsidiaries.

## **9. STOCK-BASED COMPENSATION**

The company has an equity incentive plan that reserves 4,110,000 shares of common stock for issuance to its directors and employees. The plan provides for shares, including options to purchase shares of common stock, stock appreciation rights tied to the value of common stock, restricted stock, performance shares, and restricted and deferred stock unit awards, to be granted to eligible employees, non-employee directors and consultants. The company measures stock-based compensation at fair value on the grant date, with no adjustments for estimated forfeitures. The company records noncash compensation expense related to equity awards in its consolidated financial statements over the requisite period on a straight-line basis.

#### *Stock Options*

There remains 128,750 exercisable stock options outstanding at March 31, 2019, with a weighted-average exercise price of \$12.72. The average intrinsic value of outstanding stock options is approximately \$512 thousand with a weighted-average remaining contractual term of 0.7 years. At March 31, 2019, outstanding stock options include 118,750 exercisable options which are in-the-money at a weighted-average exercise price of \$12.36.

Option awards allow employees to exercise options through cash payment for the shares of common stock or simultaneous broker-assisted transactions in which the employee authorizes the exercise and immediate sale of the shares in the open market. The company uses newly issued shares of common stock to satisfy its stock-based payment obligations.

*Restricted Stock Awards and Deferred Stock Units*

The non-vested stock award and deferred stock unit activity for the three months ended March 31, 2019, is as follows:

	<b>Non-Vested Shares and Deferred Stock Units</b>	<b>Weighted- Average Grant- Date Fair Value</b>	<b>Weighted-Average Remaining Vesting Term (in years)</b>
Non-Vested at December 31, 2018	882,288	\$ 19.12	
Granted	427,548	15.27	
Forfeited	(14,833)	18.65	
Vested	(382,607)	18.13	
<b>Non-Vested at March 31, 2019</b>	<b>912,396</b>	<b>\$ 17.75</b>	<b>2.2</b>

*Performance Shares*

On February 19, 2019 and March 19, 2018, the board of directors granted performance shares to be awarded in the form of common stock to certain participants of the plan. Performance shares vest based on the company's average return on net assets (RONA) and the company's total shareholder return (TSR), as further described herein. The performance shares vest on the third anniversary of the grant, if the RONA and TSR criteria are achieved and the participant is then employed by the company. Fifty percent of the performance shares vest based upon the company's ability to achieve a predetermined RONA during the three year performance period. The remaining fifty percent of the performance shares vest based upon the company's total TSR during the three year performance period relative to that of the company's performance peer group.

The performance shares were granted at a target of 100%, but each performance share will reduce or increase depending on results for the performance period for the company's RONA, and the company's TSR relative to that of the performance peer group. If the company's RONA and TSR achieve the maximum goals, the maximum amount of shares available to be issued pursuant to the 2018 and 2019 awards are 526,088 performance shares or 150% of the 350,725 performance shares which remain outstanding. The actual number of performance shares that will ultimately vest is based on the actual percentile ranking of the company's RONA, and the company's TSR compared to the peer performance at the end of the performance period.

The company used the Monte Carlo valuation model to estimate the fair value of the performance shares on the date of the grant. The weighted average assumptions used by the company in applying the Monte Carlo valuation model for performance share grants during the three months ended March 31, 2019 and 2018 are illustrated in the following table:

	<b>FY 2019 Performance Awards</b>	<b>FY 2018 Performance Awards</b>
Risk-free interest rate	2.45 %	2.44 %
Dividend yield	3.13 %	2.64 %
Expected volatility	41.69 %	45.11 %
Monte Carlo valuation	99.62 %	97.39 %
Closing stock price on the date of grant	\$ 15.34	\$ 18.15

The non-vested performance share award activity for the three months ended March 31, 2019, is as follows:

	<b>Performance Shares</b>	<b>Weighted- Average Grant- Date Fair Value</b>	<b>Weighted-Average Remaining Vesting Term (in years)</b>
Non-Vested at December 31, 2018	134,022	\$ 17.92	
Granted	216,703	15.43	
<b>Non-Vested at March 31, 2019</b>	<b>350,725</b>	<b>\$ 16.38</b>	<b>2.6</b>

## Green Plains Partners

Green Plains Partners adopted the LTIP, an incentive plan intended to promote the interests of the partnership, its general partner and affiliates by providing incentive compensation based on units to employees, consultants and directors to encourage superior performance. The incentive plan reserves 2,500,000 common units for issuance in the form of options, restricted units, phantom units, distributable equivalent rights, substitute awards, unit appreciation rights, unit awards, profits interest units or other unit-based awards. The partnership measures unit-based compensation related to equity awards in its consolidated financial statements over the requisite service period on a straight-line basis.

There was no change in the number of non-vested unit-based awards during the three months ended March 31, 2019.

### *Stock-Based and Unit-Based Compensation Expense*

Compensation costs for stock-based and unit-based payment plans were approximately \$2.5 million and \$2.4 million for the three months ended March 31, 2019 and 2018, respectively. At March 31, 2019, there was \$18.8 million of unrecognized compensation costs from stock-based and unit-based compensation related to non-vested awards. This compensation is expected to be recognized over a weighted-average period of approximately 2.2 years. The potential tax benefit related to stock-based payment is approximately 25.0% of these expenses.

## 10. EARNINGS PER SHARE

Basic earnings per share, or EPS, is calculated by dividing net income available to common stockholders by the weighted average number of common shares outstanding during the period.

The company computed diluted EPS by dividing net income on an if-converted basis, adjusted to add back net interest expense related to the convertible debt instruments, by the weighted average number of common shares outstanding during the period, adjusted to include the shares that would be issued if the convertible debt instruments were converted to common shares and the effect of any outstanding dilutive securities.

The basic and diluted EPS are calculated as follows (in thousands):

	Three Months Ended	
	March 31,	
	2019	2018
Basic EPS:		
Net loss attributable to Green Plains	\$ (42,799)	\$ (24,117)
Weighted average shares outstanding - basic	40,315	40,164
EPS - basic	\$ (1.06)	\$ (0.60)
EPS - diluted	\$ (1.06)	\$ (0.60)

The anti-dilutive effect of 9.9 million shares related to the company's convertible debt and stock-based compensation awards have been excluded from diluted EPS for both the three months ended March 31, 2019 and 2018.

## 11. STOCKHOLDERS' EQUITY

Components of stockholders' equity for the three months ended March 31, 2019 and 2018 are as follows (in thousands):

	Common Stock		Additional Paid-in Capital	Retained Earnings	Accum. Other Comp. Income	Treasury Stock		Total Green Plains Stockholders' Equity	Non- Controlling Interests	Total Stockholders' Equity
	Shares	Amount				Shares	Amount			
Balance, January 1, 2019	46,638	\$ 47	\$ 696,222	\$ 324,728	\$ (16,016)	5,536	\$ (58,162)	\$ 946,819	\$ 116,170	\$ 1,062,989
Net income (loss)	-	-	-	(42,799)	-	-	-	(42,799)	4,928	(37,871)
Cash dividends and distributions declared	-	-	-	(4,847)	-	-	-	(4,847)	(5,487)	(10,334)
Other comprehensive loss before reclassification	-	-	-	-	(6,883)	-	-	(6,883)	-	(6,883)
Amounts reclassified from accumulated other comprehensive loss	-	-	-	-	10,376	-	-	10,376	-	10,376
Other comprehensive income, net of tax	-	-	-	-	3,493	-	-	3,493	-	3,493
Proceeds from disgorgement of shareholder short-swing profits, net <sup>(1)</sup>	-	-	5,023	-	-	-	-	5,023	-	5,023
Stock-based compensation	284	-	428	-	-	-	-	428	79	507
Balance, March 31, 2019	46,922	\$ 47	\$ 701,673	\$ 277,082	\$ (12,523)	5,536	\$ (58,162)	\$ 908,117	\$ 115,690	\$ 1,023,807

- (1) During the three months ended March 31, 2019, the company received \$6.7 million from a shareholder of the company for disgorgement of shareholder short-swing profits under Section 16(b) under the Exchange Act. The amount was recorded as an increase to additional paid-in capital, net of tax, in the consolidated balance sheet as of March 31, 2019.

	Common Stock		Additional Paid-in Capital	Retained Earnings	Accum. Other Comp. Income	Treasury Stock		Total Green Plains Stockholders' Equity	Non- Controlling Interests	Total Stockholders' Equity
	Shares	Amount				Shares	Amount			
Balance, December 31, 2017	46,410	\$ 46	\$ 685,019	\$ 325,411	\$ (13,110)	5,326	\$ (55,184)	\$ 942,182	\$ 116,954	\$ 1,059,136
Reclassification of certain tax effects from other comprehensive loss <sup>(2)</sup>	-	-	-	2,787	(2,787)	-	-	-	-	-
Balance, January 1, 2018	46,410	\$ 46	\$ 685,019	\$ 328,198	\$ (15,897)	5,326	\$ (55,184)	\$ 942,182	\$ 116,954	\$ 1,059,136
Net income (loss)	-	-	-	(24,117)	-	-	-	(24,117)	4,662	(19,455)
Cash dividends and distributions declared	-	-	-	(4,831)	-	-	-	(4,831)	(5,420)	(10,251)
Other comprehensive income before reclassification	-	-	-	-	17,150	-	-	17,150	-	17,150
Amounts reclassified from accumulated other comprehensive	-	-	-	-	(603)	-	-	(603)	-	(603)
Other comprehensive income, net of tax	-	-	-	-	16,547	-	-	16,547	-	16,547
Stock-based compensation	284	1	(512)	-	-	-	-	(511)	60	(451)
Stock options exercised	5	-	50	-	-	-	-	50	-	50
Balance, March 31, 2018	46,699	\$ 47	\$ 684,557	\$ 299,250	\$ 650	5,326	\$ (55,184)	\$ 929,320	\$ 116,256	\$ 1,045,576

- (1) Effective January 1, 2018, the company early adopted the amended guidance in ASC 220, Income Statement – Reporting Comprehensive Income: Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income, which allows a reclassification from accumulated other comprehensive income to retained earnings for stranded tax effects resulting from the Tax Cuts and Jobs Act. The amendment eliminates the stranded tax effects resulting from the Tax Cuts and Jobs Act and is intended to improve the usefulness of information reported. As a result, the company recorded a \$2.8 million reclassification from accumulated other comprehensive income to retained earnings during the first quarter of 2018.

Amounts reclassified from accumulated other comprehensive income are as follows (in thousands):

	<b>Three Months Ended March 31,</b>		<b>Statements of Operations Classification</b>
	<b>2019</b>	<b>2018</b>	
<b>Gains (losses) on cash flow hedges:</b>			
Commodity derivatives	\$ (13,359)	\$ 1,761	Revenues
Commodity derivatives	(157)	(978)	Cost of goods sold
Total	(13,516)	783	Loss before income taxes
Income tax expense (benefit)	(3,140)	180	Income tax benefit
Amounts reclassified from accumulated other comprehensive income (loss)	<u>\$ (10,376)</u>	<u>\$ 603</u>	

## 12. INCOME TAXES

The company records actual income tax expense or benefit during interim periods rather than on an annual effective tax rate method. Certain items are given discrete period treatment and the tax effect of those items are reported in full in the relevant interim period. Green Plains Partners is a limited partnership, which is treated as a flow-through entity for federal income tax purposes and is not subject to federal income taxes. As a result, the consolidated financial statements do not reflect income taxes on pre-tax income or loss attributable to the noncontrolling interest in the partnership.

The company recorded income tax benefit of \$14.5 million for the three months ended March 31, 2019, compared with \$6.0 million for the same period in 2018. The amount of unrecognized tax benefits for uncertain tax positions was \$51.6 million as of March 31, 2019 and December 31, 2018.

The 2019 effective tax rate can be affected by variances in the estimates and amounts of taxable income among the various states, entities and activity types, realization of tax credits, adjustments from resolution of tax matters under review, valuation allowances and the company's assessment of its liability for uncertain tax positions.

## 13. COMMITMENTS AND CONTINGENCIES

### *Adoption of ASC 842*

On January 1, 2019, the company adopted the amended guidance in ASC 842, *Leases*, and all related amendments ("new lease standard") and applied it to all leases using the optional transition method which requires the amended guidance to be applied at the date of adoption. The standard does not require the guidance to be applied to the earliest comparative period presented in the financial statements. As such, comparative information has not been restated and continues to be reported under the accounting standards in effect for those periods. The new lease standard had a material impact on the company's consolidated balance sheets, increasing total assets and total liabilities by \$60.9 million upon adoption. It did not have an impact on the consolidated statement of operations for the three months ended March 31, 2019.

The impact on the consolidated balance sheet as of December 31, 2018 for the adoption of the new lease standard was as follows (in thousands):

	<b>Balance at December 31, 2018 (audited)</b>	<b>Adjustments Due to ASC 842</b>	<b>Balance at January 1, 2019</b>
<b>Assets</b>			
Operating lease right-of-use assets	\$ -	\$ 61,268	\$ 61,268
Other assets	365	(365)	-
<b>Liabilities</b>			
Accounts payable	196	(196)	-
Operating lease current liabilities	-	18,315	18,315
Operating lease long-term liabilities	-	46,024	46,024
Other liabilities	3,240	(3,240)	-

The company's leases do not specify an implicit interest rate. Therefore, the incremental borrowing rate was used based on information available at commencement date to determine the present value of future payments.

*Practical Expedients*

Under the new lease standard, companies may elect various practical expedients upon adoption. The company elected the package of practical expedients related to transition, which states that an entity need not reassess initial direct costs for existing leases, the lease classification for any expired or existing leases, and whether any expired or existing contracts are or contain leases.

The company elected to utilize a portfolio approach for lease classification, which allows for an entity to group together leases with similar characteristics provided that its application does not create a material difference when compared to accounting for the leases at a contract level. For railcar leases, the company elected to combine the railcars within each rider and account for each rider as an individual lease.

The company also elected the practical expedient for lessees to include both the lease and non-lease components as a single component and account for them as a lease. Certain of the company's railcar agreements provide for maintenance costs to be the responsibility of the company as incurred or charged by the lessor. This maintenance cost is a non-lease component that the company elected to combine with the monthly rental payment and account for the total cost as operating lease expense. In addition, the company has a land lease that contains a non-lease component for the handling and unloading services the landlord provides. The company elected to combine the cost of services with the land lease cost and account for the total as operating lease expense.

A lessee may elect not to apply the recognition requirements in the new lease standard for short-term leases. Instead, the lease payments may be recognized into profit or loss on a straight-line basis over the lease term. The company has elected to use this short-term lease exemption, and therefore will not record a lease liability or right-of-use asset for leases with a term of one year or less. The company did not incur any short-term lease expense for the three months ended March 31, 2019.

*Lease Expense*

The company leases certain facilities, parcels of land, and equipment, with remaining terms ranging from less than one year to 17.6 years. The land and facility leases include renewal options. The renewal options are included in the lease term only for those sites or locations in which they are reasonably certain to be renewed. Equipment renewals are not considered reasonably certain to be exercised as they typically renew with significantly different underlying terms.

The company may sublease certain of its railcars to third parties on a short-term basis. The subleases are classified as operating leases, with the associated sublease income being recognized on a straight-line basis over the lease term.

The components of lease expense are as follows (in thousands):

	<b>Three Months Ended March 31, 2019</b>
Lease expense	
Operating lease expense	\$ 5,549
Variable lease expense <sup>(1)</sup>	151
Total lease expense	<u>\$ 5,700</u>

(1) Represents amounts incurred in excess of the minimum payments required for the handling and unloading of railcars for a certain land lease, offset by railcar lease abatements provided by the lessor when railcars are out of service during periods of maintenance or upgrade.

The company has additional railcar operating leases that will commence in the second quarter of 2019 to replace expiring leases, with estimated future minimum lease commitments of approximately of \$6.7 million and lease terms of five years. The undiscounted amounts are not included in the tables above.

Supplemental cash flow information related to operating leases is as follows (in thousands):

	<b>Three Months Ended March 31, 2019</b>
Cash paid for amounts included in the measurement of lease liabilities:	
Operating cash flows from operating leases	\$ 5,550

Supplemental balance sheet information related to operating leases is as follows:

	<b>March 31, 2019</b>
Weighted average remaining lease term	6.8 years
Weighted average discount rate	5.46%

Aggregate minimum lease payments under the operating lease agreements for the remainder of 2019 and in future years are as follows (in thousands):

<b>Year Ending December 31,</b>	<b>Amount</b>
2019	\$ 15,624
2020	17,049
2021	9,156
2022	7,130
2023	3,402
Thereafter	20,859
Total	73,220
Less: Present value discount	(13,582)
Lease liabilities	<u>\$ 59,638</u>

Aggregate minimum lease payments remaining under the operating lease agreements under ASC 840, Leases as of December 31, 2018 are as follows (in thousands):

<b>Year Ending December 31,</b>	<b>Amount</b>
2019	\$ 23,552
2020	17,473
2021	9,812
2022	7,325
2023	3,594
Thereafter	28,542
Total	<u>\$ 90,298</u>

#### *Lease Revenue*

As described in *Note 2 – Revenue*, the majority of the partnership’s segment revenue is generated through their storage and throughput services and rail transportation services agreements with Green Plains Trade and are accounted for as lease revenue. Leasing revenues do not represent revenues recognized from contracts with customers under ASC 606, and are accounted for under ASC 842, *Leases*. Lease revenue associated with agreements with Green Plains Trade are eliminated upon consolidation. The remaining lease revenue is not material to the company.

Refer to *Note 2 – Revenue* for further discussion on lease revenue.

#### *Commodities*

As of March 31, 2019, the company had contracted future purchases of grain, corn oil, natural gas, crude oil, ethanol, distillers grains and cattle, valued at approximately \$356.9 million.

#### *Legal*

The company is currently involved in litigation that has arisen during the ordinary course of business, but does not believe any pending litigation will have a material adverse effect on its financial position, results of operations or cash flows.

#### **14. RELATED PARTY TRANSACTIONS**

Effective January 1, 2015, the company entered into two agreements with an entity controlled by Wayne Hoovestol for the lease of two aircrafts. Mr. Hoovestol is chairman of the company's board of directors. The company agreed to pay \$9,766 per month for the combined use of up to 125 hours per year of the aircrafts. Flight time in excess of 125 hours per year will incur additional hourly charges. Payments related to these leases totaled \$34 thousand and \$57 thousand during the three months ended March 31, 2019 and 2018, respectively. The company had \$2 thousand in outstanding payables related to these agreements as of March 31, 2019 and no outstanding payables related to these agreements as of December 31, 2018.

## **Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.**

### ***General***

The following discussion and analysis provides information we believe is relevant to understand our consolidated financial condition and results of operations. This discussion should be read in conjunction with the consolidated financial statements and notes to the consolidated financial statements contained in this report together with our annual report on Form 10-K for the year ended December 31, 2018.

### ***Cautionary Information Regarding Forward-Looking Statements***

Forward-looking statements are made in accordance with safe harbor provisions of the Private Securities Litigation Reform Act of 1995. These statements are based on current expectations that involve a number of risks and uncertainties and do not relate strictly to historical or current facts, but rather to plans and objectives for future operations. These statements may be identified by words such as "anticipate," "believe," "continue," "estimate," "expect," "intend," "outlook," "plan," "predict," "may," "could," "should," "will" and similar expressions, as well as statements regarding future operating or financial performance or guidance, business strategy, environment, key trends and benefits of actual or planned acquisitions.

Factors that could cause actual results to differ from those expressed or implied in the forward-looking statements include, but are not limited to, those discussed in Part I, Item 1A – Risk Factors of our annual report on Form 10-K for the year ended December 31, 2018, or incorporated by reference. Specifically, we may experience fluctuations in future operating results due to a number of economic conditions, including: competition in the ethanol industry and other industries in which we operate; commodity market risks, including those that may result from weather conditions; financial market risks; counterparty risks; risks associated with changes to government policy or regulation, including changes to tax laws; risks related to acquisition and disposition activities and achieving anticipated results; risks associated with merchant trading, cattle feeding operations and other factors detailed in reports filed with the SEC. Additional risks related to Green Plains Partners LP include compliance with commercial contractual obligations, potential tax consequences related to our investment in the partnership and risks disclosed in the partnership's SEC filings associated with the operation of the partnership as a separate, publicly traded entity.

We believe our expectations regarding future events are based on reasonable assumptions; however, these assumptions may not be accurate or account for all risks and uncertainties. Consequently, forward-looking statements are not guaranteed. Actual results may vary materially from those expressed or implied in our forward-looking statements. In addition, we are not obligated and do not intend to update our forward-looking statements as a result of new information unless it is required by applicable securities laws. We caution investors not to place undue reliance on forward-looking statements, which represent management's views as of the date of this report or documents incorporated by reference.

### ***Overview***

Green Plains is a diversified commodity-processing business with operations related to ethanol production, grain handling and storage, cattle feedlots, food ingredients, and commodity marketing and logistics services. We are focused on generating stable operating margins through our diversified business segments and risk management strategy. Green Plains Partners LP is our primary downstream logistics provider, storing and delivering the ethanol we produce. We own a 49.1% limited partner interest, a 2.0% general partner interest and all of the partnership's incentive distribution rights. The public owns the remaining 48.9% limited partner interest. The partnership is consolidated in our financial statements.

### ***Results of Operations***

During the first quarter of 2019, we continued to adjust our ethanol production in response to the weaker margin environment. As a result, we maintained an average utilization rate of approximately 56.0% of capacity, resulting in ethanol production of 155.0 mmg for the first quarter of 2019, compared with 280.4 mmg, or 76.5% of capacity, for the same quarter last year. Additionally, overall performance at our ethanol plants and cattle feeding operations were negatively impacted by severe weather and associated flooding in areas where we have plants or transport products, with the largest impact on our ability to transport products during the first quarter of 2019.

### ***U.S. Ethanol Supply and Demand***

According to the EIA, domestic ethanol production averaged 1.01 million barrels per day during the first quarter of 2019, which was 3% lower than the 1.04 million barrels for the first quarter of last year. Refiner and blender input volume

increased 1% to 886 thousand barrels per day for the first quarter of 2019, compared with 875 thousand barrels per day for the same quarter last year. Gasoline demand for the first quarter of 2019 decreased 62 thousand barrels per day, or 1% compared to the same quarter last year. U.S. domestic ethanol ending stocks increased by approximately 1.6 million barrels, or 7%, to 24.0 million barrels for the first quarter of 2019. As of May 1, 2019, there were approximately 1,780 retail stations selling E15 in 31 states, up from 1,700 at the beginning of the year, according to Growth Energy.

#### *Global Ethanol Supply and Demand*

According to the USDA Foreign Agriculture Service, domestic ethanol exports for 2018 were approximately 1.70 bgy, up 25% from 1.37 bgy for 2017. Brazil remained the largest export destination for U.S. ethanol, which accounted for 30% of domestic ethanol export volume despite the 20% tariff on U.S. ethanol imports in excess of 150 million liters, or 39.6 million gallons per quarter, imposed in September 2017 by Brazil's Chamber of Foreign Trade, or CAMEX. Canada, India and South Korea accounted for 20%, 9% and 5%, respectively, of U.S. ethanol exports.

On April 1, 2018, China announced it would add an additional 15% tariff to the existing 30% tariff it had earlier imposed on ethanol imports from the United States and Brazil. China later raised the tariff further to 70% as the trade war escalated. In April 2019, the Trump administration announced a potential meeting with Chinese President Xi in May of 2019 to complete the trade agreement between the U.S. and China.

The cost to produce the equivalent amount of starch found in sugar from \$3.50-per-bushel corn is 7 cents per pound. The average price of sugar remained at approximately 13 cents per pound during the first quarter of 2019. We currently estimate that net ethanol exports will reach between 1.6 billion gallons and 1.7 billion gallons in 2019 based on historical demand from a variety of countries and certain countries who seek to improve their air quality and eliminate MTBE from their own fuel supplies.

#### *Co-Product Supply and Demand*

During the first quarter of 2019, the market sentiment for cattle feeding improved as forward margins expanded, feeder supplies remain robust, and feed costs remain stable with a large domestic feed grain balance sheet. Corn prices traded near three year lows, according to the Chicago Mercantile Exchange. Domestic beef consumption per capita in 2019 is projected to increase 0.4 pounds to 57.6 pounds compared with 2018. Export demand for beef is forecasted to increase approximately 3.1% in 2019 compared with 2018 according to the USDA.

Cow-calf operations continue to be profitable, which has supported a period of expansion. Flooding in the northern plains and Midwest regions of the U.S. have resulted in some herd losses, but the extent of these losses is not well known at this time. Year-to-date domestic cattle on feed increased 2% to 12.0 million head through April 1, 2019, compared to the same period last year.

Packer demand was driven by strong margins during the first quarter of 2019. Total steer and heifer slaughter through the end of March of 2019 increased 1.7% compared with the first three months of 2018. Slaughter capacity constraints, primarily due to labor shortages, have limited the packers' ability to increase slaughter rates at the same pace as cattle on feed inventories, resulting in higher packer margins. However, these higher margins should incentivize the packers to increase slaughter capacity, which will be crucial for cattle feeding margins moving forward.

The U.S. looks poised to grow its global market share for animal protein while Australia continues to struggle with drought conditions, and African Swine Fever ("ASF") issues in China should result in larger world export demand for animal protein from the U.S.

Year-to-date U.S. distillers grains exports through December 31, 2018, were 11.9 million metric tons, or 7.3% higher than the same period last year, according to the USDA Foreign Agriculture Service. Shipments of distillers grains to Southeast Asia increased 69% year over year due to growing demand for protein, which helped keep export volumes in line with last year. Mexico, Vietnam, South Korea, Thailand, Turkey and Indonesia, accounted for approximately 61% of total U.S. distillers export volumes.

While ASF may have a positive impact on animal protein demand from the U.S., it may have a negative impact on distillers grains exports and domestic usage. ASF may depress soybean meal demand in China which could make the animal feed more price competitive to distillers grains and allow for substitution of high-protein soybean meal worldwide.

## *Legislation and Regulation*

We are sensitive to government programs and policies that affect the supply and demand for ethanol and other fuels, which in turn may impact the volume of ethanol and other fuels we handle. This Congress may consider legislation that would impact the RFS. Various bills have been discussed in the House and Senate which would eliminate the RFS entirely, eliminate the corn based ethanol portion of the mandate, or make it more difficult to sell fuel blends with higher levels of ethanol. However, we believe it is unlikely these bills will be passed in a divided Congress.

Federal mandates supporting the use of renewable fuels are a significant driver of ethanol demand in the U.S. Ethanol policies are influenced by environmental concerns, diversifying our fuel supply, and an interest in reducing the country's dependence on foreign oil. Consumer acceptance of flex-fuel vehicles and higher ethanol blends of ethanol in non-flex-fuel vehicles may be necessary before ethanol can achieve significant growth in U.S. market share. CAFE, which was first enacted by Congress in 1975 to reduce energy consumption by increasing the fuel economy of cars and light trucks, provides a 54% efficiency bonus to flexible-fuel vehicles running on E85. Another important factor is a waiver in the Clean Air Act, known as the One-Pound Waiver, which allows E10 to be sold year-round, even though it exceeds the Reid Vapor Pressure limitation of nine pounds per square inch. In proposed rule-making, the EPA has proposed to extend the One-Pound Waiver to E15 so its sale can expand beyond flex-fuel vehicles during the June 1 to September 15 summer driving season.

The EPA accepted comments on its proposed rule until April 29, 2019, and is working to finalize the rule consistent with the U.S. President's stated goal of having a final rule out before the start of summer driving season on June 1, 2019. Any final rule from the agency is susceptible to legal challenges. The proposed rule also contains certain RIN reform changes that could reduce RIN values and subsequently reduce incentives for higher ethanol blends, including E15.

When the RFS II was passed in 2007 and rulemaking finalized in October 2010, the required volume of conventional renewable fuel to be blended with gasoline was to increase each year until it reached 15.0 billion gallons in 2015. In November 2018, the EPA announced it would maintain the 15.0 billion gallon mandate for conventional ethanol in 2019.

The EPA has the authority to waive the mandates in whole or in part if there is inadequate domestic renewable fuel supply or the requirement severely harms the economy or environment. According to the RFS II, if mandatory renewable fuel volumes are reduced by at least 20% for two consecutive years, the EPA is required to modify, or reset, statutory volumes through 2022. While conventional ethanol maintained 15 billion gallons, 2019 is the second year that the total proposed RVOs are more than 20% below statutory volumes levels. Thus, the EPA Administrator has directed his staff to initiate a reset rulemaking, wherein the EPA will modify statutory volumes through 2022, based on the same factors used to set the RVOs post-2022. These factors include environmental impact, domestic energy security, expected production, infrastructure impact, consumer costs, job creation, price of agricultural commodities, food prices, and rural economic development.

The EPA assigns individual refiners, blenders, and importers the volume of renewable fuels they are obligated to use based on their percentage of total domestic transportation fuel sales. Obligated parties use RINs to show compliance with RFS-mandated volumes. RINs are attached to renewable fuels by ethanol producers and detached when the renewable fuel is blended with transportation fuel or traded in the open market. The market price of detached RINs affects the price of ethanol in certain markets and influences the purchasing decisions by obligated parties.

The EPA can, in consultation with the Department of Energy, waive the obligation for individual refineries that are suffering "disproportionate economic hardship" due to compliance with the RFS. To qualify, the refineries must be under total throughput of 75,000 barrels per day and state their case for an exemption in an application to the EPA each year.

The Trump administration waived the obligation for 19 of 20 applicants for compliance year 2016, totaling 790 million gallons, and 35 of 37 for compliance year 2017, totaling 1.82 billion gallons. This effectively reduces the annual RVO by that amount, since the waived gallons are not reallocated to other obligated parties at this time. The resulting surplus of RINs in the market has brought values down significantly to under \$0.20. Since higher RIN values help to make higher blends of ethanol more cost effective, lower RIN values could negatively impact retailer and consumer adoption of E15 and higher blends. There are 39 waiver applications pending for compliance year 2018.

Biofuels groups have filed a lawsuit in the U.S. Federal District Court for the D.C. Circuit, challenging the 2019 RVO rule over the EPA's failure to address small refinery exemptions in the rulemaking. This is the first RFS rulemaking since the expanded use of the exemptions came to light, however the EPA has refused to cap the number of waivers it grants or how it accounts for the retroactive waivers in its percentage standard calculations. The EPA has a statutory mandate to ensure the volume requirements are met, which are achieved by setting the percentage standards for obligated parties. The current approach accomplishes the opposite. Even if all the obligated parties comply with their respective percentage obligations for

2019, the nation's overall supply of renewable fuel will not meet the total volume requirements set by the EPA. We believe this undermines Congressional intent of demand pressure creation and an increased consumption of renewable fuels. Biofuels groups argue the EPA must therefore adjust its percentage standard calculations to make up for past retroactive waivers and adjust the standards to account for any waivers it reasonably expects to grant in the future.

In another case, on July 28, 2017, the U.S. Federal District Court for the D.C. Circuit ruled in favor of the Americans for Clean Energy and its petitioners against the EPA related to its decision to lower the 2016 volume requirements. The Court concluded the EPA erred in how it interpreted the "inadequate domestic supply" waiver provision of RFS II, which authorizes the EPA to consider supply-side factors affecting the volume of renewable fuel available to refiners, blenders and importers to meet statutory volume requirements. The waiver provision does not allow the EPA to consider the volume of renewable fuel available to consumers or the demand-side constraints that affect the consumption of renewable fuel by consumers. As a result, the Court vacated the EPA's decision to reduce the total renewable fuel volume requirements for 2016 through its waiver authority, which the EPA is expected to address. We believe this decision to confine the EPA's waiver analysis to supply considerations benefits the industry overall and expect the primary impact will be on the RINs market. The EPA has not yet accounted for the 500 million gallons that the Court in the Americans for Clean Energy case directed, though they have indicated they will include it in the reset rulemaking or the 2020 RVOs.

Government actions abroad can significantly impact the demand for U.S. ethanol. In September 2017, China's National Development and Reform Commission, the National Energy Board and 15 other state departments issued a joint plan to expand the use and production of biofuels containing up to 10% ethanol by 2020. China, the number three importer of U.S. ethanol in 2016, imported negligible volumes during fiscal year 2018 due to a 30% tariff, which increased to 70% in early 2018, imposed on the U.S. There is no assurance that China's joint plan will lead to increased imports of U.S. ethanol. Our exports also face tariffs, rate quotas, countervailing duties, and other hurdles in Brazil, the European Union, India, Peru, and elsewhere, which limits our ability to compete in some markets.

In Brazil, the Secretary of Foreign Trade issued an official written resolution, imposing a 20% tariff on U.S. ethanol imports in excess of 150 million liters, or 39.6 million gallons per quarter in September 2017. The ruling is valid for two years, and is set to expire at the end of August 2019. In June 2017, the Energy Regulatory Commission of Mexico (CRE) approved the use of 10% ethanol blends, which was challenged by nine lawsuits. Four cases were dismissed. The five remaining cases follow one of two tracks: 1) to determine the constitutionality of the CRE regulation, or 2) to determine the benefits, or lack thereof, of introducing E10 to Mexico. An injunction was granted in October 2017, preventing the blending and selling of E10, but was overturned by a higher court in June 2018 making it legal to blend and sell E10 by PEMEX throughout Mexico except for its three largest metropolitan areas. U.S. ethanol exports to Mexico totaled 29.4 mmg in 2018.

#### ***Comparability of our Financial Results***

We report the financial and operating performance for the following four operating segments: (1) ethanol production, which includes the production of ethanol and distillers grains, and recovery of corn oil, (2) agribusiness and energy services, which includes grain handling and storage, commodity marketing and merchant trading for company-produced and third-party ethanol, distillers grains, corn oil, natural gas and other commodities, (3) food and ingredients, which includes cattle feeding and food-grade corn oil operations and included vinegar production until the sale of Fleischmann's Vinegar during the fourth quarter of 2018 and (4) partnership, which includes fuel storage and transportation services.

The three months ended March 31, 2019 do not include operations of the Bluffton, Lakota, Hopewell and Riga ethanol plants which were either permanently closed or sold during the fourth quarter of 2018. Additionally, the three months ended March 31, 2019 do not include Fleischmann's Vinegar operations, which was also sold in the fourth quarter of 2018.

During the normal course of business, our operating segments do business with each other. For example, our agribusiness and energy services segment procures grain and natural gas and sells products, including ethanol, distillers grains and corn oil of our ethanol production segment. Our partnership segment provides fuel storage and transportation services for our agribusiness and energy services segment. These intersegment activities are treated like third-party transactions with origination, marketing and storage fees charged at estimated market values. Consequently, these transactions affect segment performance; however, they do not impact our consolidated results since the revenues and corresponding costs are eliminated.

Corporate activities include selling, general and administrative expenses, consisting primarily of compensation, professional fees and overhead costs not directly related to a specific operating segment. When we evaluate segment performance, we review the following segment information as well as earnings before interest, income taxes, depreciation

and amortization, excluding amortization of operating lease right-of-use assets and amortization of debt issuance costs, or EBITDA.

The company also owns a 90.0% interest in BioProcess Algae, a joint venture formed in 2008. Beginning April 1, 2016, we consolidate the financial results of BioProcess Algae, and record a noncontrolling interest for the economic interest in the joint venture held by others.

As of March 31, 2019, we, together with our subsidiaries, own a 49.1% limited partner interest and a 2.0% general partner interest in the partnership and own all of the partnership's incentive distribution rights, with the remaining 48.9% limited partner interest owned by public common unitholders. We consolidate the financial results of the partnership, and record a noncontrolling interest for the economic interest in the partnership held by the public common unitholders.

#### Segment Results

The selected operating segment financial information are as follows (in thousands):

	Three Months Ended March 31,		%
	2019	2018	
<b>Revenues:</b>			
Ethanol production:			
Revenues from external customers	\$ 268,716	\$ 563,763	(52.3%)
Intersegment revenues	2,117	1,953	8.4
Total segment revenues	<u>270,833</u>	<u>565,716</u>	(52.1)
Agribusiness and energy services:			
Revenues from external customers	162,795	201,787	(19.3)
Intersegment revenues	6,413	11,429	(43.9)
Total segment revenues	<u>169,208</u>	<u>213,216</u>	(20.6)
Food and ingredients:			
Revenues from external customers	208,499	278,109	(25.0)
Intersegment revenues	38	42	(9.5)
Total segment revenues	<u>208,537</u>	<u>278,151</u>	(25.0)
Partnership:			
Revenues from external customers	2,305	1,628	41.6
Intersegment revenues	18,782	24,257	(22.6)
Total segment revenues	<u>21,087</u>	<u>25,885</u>	(18.5)
Revenues including intersegment activity	669,665	1,082,968	(38.2)
Intersegment eliminations	(27,350)	(37,681)	(27.4)
Revenues as reported	<u>\$ 642,315</u>	<u>\$ 1,045,287</u>	(38.6%)

	Three Months Ended March 31,		%
	2019	2018	
<b>Cost of goods sold:</b>			
Ethanol production	\$ 293,487	\$ 564,559	(48.0%)
Agribusiness and energy services	159,626	201,712	(20.9)
Food and ingredients	206,073	259,765	(20.7)
Partnership	-	-	*
Intersegment eliminations	(23,611)	(37,701)	(37.4)
	<u>\$ 635,575</u>	<u>\$ 988,335</u>	(35.7%)

	Three Months Ended March 31,		%
	2019	2018	
Operating income (loss):			
Ethanol production	\$ (44,192)	\$ (27,529)	60.5%
Agribusiness and energy services	5,304	7,064	(24.9)
Food and ingredients	(1,432)	12,585	(111.4)
Partnership	12,551	15,360	(18.3)
Intersegment eliminations	(3,677)	68	*
Corporate activities	(8,559)	(11,473)	25.4
	<u>\$ (40,005)</u>	<u>\$ (3,925)</u>	*

	Three Months Ended March 31,		%
	2019	2018	
EBITDA:			
Ethanol production	\$ (28,503)	\$ (7,095)	*
Agribusiness and energy services	5,862	7,702	(23.9)
Food and ingredients	257	15,997	(98.4)
Partnership	13,771	16,623	(17.2)
Intersegment eliminations	(3,677)	68	*
Corporate activities	(6,379)	(10,175)	37.3
	<u>\$ (18,669)</u>	<u>\$ 23,120</u>	*

\* Percentage variance not considered meaningful.

We use EBITDA as a segment measure of profitability to compare the financial performance of our reportable segments and manage those segments. We believe EBITDA is a useful measure to compare our performance against other companies. EBITDA should not be considered an alternative to, or more meaningful than, net income, which is prepared in accordance with GAAP. EBITDA calculations may vary from company to company. Accordingly, our computation of EBITDA may not be comparable with a similarly titled measure of other companies.

The following table reconciles net loss to EBITDA (in thousands):

	Three Months Ended March 31,	
	2019	2018
Net loss	\$ (37,871)	\$ (19,455)
Interest expense	14,427	22,128
Income tax benefit	(14,460)	(6,027)
Depreciation and amortization <sup>(1)</sup>	19,235	26,474
EBITDA	<u>\$ (18,669)</u>	<u>\$ 23,120</u>

(1) Excludes the amortization of operating lease right-of-use assets and amortization of debt issuance costs.

### Three Months Ended March 31, 2019 Compared with the Three Months Ended March 31, 2018

#### *Consolidated Results*

Consolidated revenues decreased \$403.0 million for the three months ended March 31, 2019 compared with the same period in 2018 primarily due to the disposition of three ethanol plants and the sale of Fleischmann's Vinegar during the fourth quarter of 2018 as well as lower production volumes at our remaining plants.

Operating income decreased \$36.1 million and EBITDA decreased \$41.8 million for the three months ended March 31, 2019 compared with the same period last year primarily due to lower volume and decreased margins on ethanol production and cattle as well as the disposition of Fleischmann's Vinegar during the fourth quarter of 2018. Interest expense decreased \$7.7 million for the three months ended March 31, 2019, compared with the same period in 2018, primarily due to the repayment of the \$500 million senior secured term loan during the fourth quarter of 2018. Income tax benefit was \$14.5

million for the three months ended March 31, 2019 compared with \$6.0 million for the same period in 2018.

The following discussion provides greater detail about our first quarter segment performance.

#### *Ethanol Production Segment*

Key operating data for our ethanol production segment is as follows:

	<b>Three Months Ended March 31,</b>		<b>% Variance</b>
	<b>2019</b>	<b>2018</b>	
Ethanol sold (thousands of gallons)	155,040	280,410	(44.7)
Distillers grains sold (thousands of equivalent dried tons)	398	747	(46.7)
Corn oil sold (thousands of pounds)	34,983	69,134	(49.4)
Corn consumed (thousands of bushels)	54,041	97,283	(44.4)

Revenues in our ethanol production segment decreased \$294.9 million for the three months ended March 31, 2019 compared with the same period in 2018 primarily due to the disposition of three ethanol plants during the fourth quarter of 2018 as well as lower production volumes of ethanol, distillers grains and corn oil due to the depressed margin environment.

Cost of goods sold for our ethanol production segment decreased \$271.1 million for the three months ended March 31, 2019 compared with the same period last year primarily due to the disposition of three ethanol plants in addition to lower production volumes. As a result of the factors identified above, operating income decreased \$16.7 million and EBITDA decreased \$21.4 million for the three months ended March 31, 2019 compared with the same period in 2018. Depreciation and amortization expense for the segment was \$15.3 million for the three months ended March 31, 2019 compared with \$20.4 million for the same period last year, primarily due to the disposition of three ethanol plants during the fourth quarter of 2018.

#### *Agribusiness and Energy Services Segment*

Revenues in our agribusiness and energy services segment decreased \$44.0 million while both operating income and EBITDA decreased by \$1.8 million for the three months ended March 31, 2019 compared with the same period in 2018. The decrease in revenues was primarily due to a decrease in ethanol, distillers grain and corn oil production and trading activity, as well as lower average realized prices for ethanol. Operating income and EBITDA decreased primarily as a result of decreased margins.

#### *Food and Ingredients Segment*

Revenues in our food and ingredients segment decreased \$69.6 million for the three months ended March 31, 2019 compared with the same period in 2018. The decrease in revenues was primarily due to the sale of Fleischmann's Vinegar during the fourth quarter of 2018, as well as a decrease in cattle volumes sold during the three months ended March 31, 2019. Cattle head sold for the three months ended March 31, 2019 and 2018 was approximately 127,000 and 137,000, respectively.

Operating income decreased by \$14.0 million and EBITDA decreased \$15.7 million for the three months ended March 31, 2019 compared with the same period in 2018 primarily due to the sale of Fleischmann's Vinegar during the fourth quarter of 2018 as well as the decrease in cattle volumes outlined above. Overall performance at our cattle feeding operations was negatively impacted by severe winter weather and abnormally negative basis during the first quarter of 2019.

#### *Partnership Segment*

Revenues generated by our partnership segment decreased \$4.8 million for the three months ended March 31, 2019 compared to the same period of 2018, primarily due to lower storage and throughput volumes due to disposition of three ethanol plants during the fourth quarter of 2018 as well as lower production at our remaining plants and lower revenues generated from rail transportation services due to the assignment of various railcar operating leases as part of the disposition.

Operating income decreased \$2.8 million and EBITDA decreased \$2.9 million for the three months ended March 31, 2019 compared with the same period in 2018 primarily due to the factors described above.

#### *Intersegment Eliminations*

Intersegment eliminations of revenues decreased by \$10.3 million for the three months ended March 31, 2019 compared with the same period in 2018 due to a decrease in storage and throughput fees paid to the partnership segment as well as decreased intersegment com purchases and marketing fees within the agribusiness and energy services segment.

#### *Corporate Activities*

Operating income was impacted by a decrease in operating expenses for corporate activities of \$2.9 million for the three months ended March 31, 2019 compared with the same period in 2018 primarily due to decreased selling, general and administrative expenses primarily as a result of a workforce reduction which occurred as part of our portfolio optimization program in the last half of 2018.

#### *Income Taxes*

We recorded income tax benefit of \$14.5 million for the three months ended March 31, 2019, compared with \$6.0 million for the same period in 2018. The increase in income tax benefit was due to a higher loss before income taxes for the three months ended March 31, 2019.

#### *Liquidity and Capital Resources*

Our principal sources of liquidity include cash generated from operating activities and bank credit facilities. We fund our operating expenses and service debt primarily with operating cash flows. Capital resources for maintenance and growth expenditures are funded by a variety of sources, including cash generated from operating activities, borrowings under bank credit facilities, or issuance of senior notes or equity. Our ability to access capital markets for debt under reasonable terms depends on our financial condition, credit ratings and market conditions. We believe that our ability to obtain financing at reasonable rates and history of consistent cash flow from operating activities provide a solid foundation to meet our future liquidity and capital resource requirements.

On March 31, 2019, we had \$214.1 million in cash and equivalents, excluding restricted cash, consisting of \$183.5 million held at our parent company and the remainder held at our subsidiaries. Additionally, we had \$59.2 million in restricted cash at March 31, 2019. We also had \$472.8 million available under our committed revolving credit agreements, some of which were subject to restrictions or other lending conditions. Funds at certain subsidiaries are generally required for their ongoing operational needs and restricted from distribution. At March 31, 2019, our subsidiaries had approximately \$143.6 million of net assets that were not available to us in the form of dividends, loans or advances due to restrictions contained in their credit facilities.

Net cash used in operating activities was \$20.8 million for the three months ended March 31, 2019 compared with \$41.1 million for the same period in 2018. Operating activities compared to the prior year were primarily affected by changes in working capital as well as decreases in operating income when compared to the same period of the prior year. Net cash used in investing activities was \$7.7 million for the three months ended March 31, 2019 compared with \$0.9 million for the same period in 2018, due primarily to capital expenditures at our existing ethanol plants partially offset by cash received from working capital adjustments pertaining to the sale of three ethanol plants and cash received from other investing activities in 2018. Net cash used in financing activities was \$16.5 million for the three months ended March 31, 2019 compared with \$5.2 million for the same period in 2018, with the increase in cash used resulting from a decrease in net borrowings.

Additionally, Green Plains Trade, Green Plains Cattle and Green Plains Grain use revolving credit facilities to finance working capital requirements. We frequently draw from and repay these facilities which results in significant cash movements reflected on a gross basis within financing activities as proceeds from and payments on short-term borrowings.

We incurred capital expenditures of \$10.8 million in the first three months of 2019 primarily for a high-protein expansion project at one of our ethanol plants, and for various maintenance projects. Capital spending for the remainder of 2019 is expected to be approximately \$40.0 million for various projects, which are expected to be financed with available borrowings under our credit facilities and cash provided by operating activities.

Our business is highly sensitive to the price of commodities, particularly for corn, ethanol, distillers grains, corn oil, natural gas and cattle. We use derivative financial instruments to reduce the market risk associated with fluctuations in commodity prices. Sudden changes in commodity prices may require cash deposits with brokers for margin calls or significant liquidity with little advanced notice to meet margin calls, depending on our open derivative positions. We continuously monitor our exposure to margin calls and believe we will continue to maintain adequate liquidity to cover margin calls from our operating results and borrowings.

We have paid a quarterly cash dividend since August 2013 and anticipate declaring a cash dividend in future quarters on a regular basis. Future declarations of dividends, however, are subject to board approval and may be adjusted as our liquidity, business needs or market conditions change. On February 7, 2019, our board of directors declared a quarterly cash dividend of \$0.12 per share. The dividend was paid on March 15, 2019, to shareholders of record at the close of business on February 22, 2019.

For each calendar quarter commencing with the quarter ended September 30, 2015, the partnership agreement requires the partnership to distribute all available cash, as defined, to its partners, including us, within 45 days after the end of each calendar quarter. Available cash generally means all cash and cash equivalents on hand at the end of that quarter less cash reserves established by our general partner plus all or any portion of the cash on hand resulting from working capital borrowings made subsequent to the end of that quarter. On April 18, 2019, the board of directors of the general partner of the partnership declared a cash distribution of \$0.475 per unit on outstanding common and subordinated units. The distribution is payable on May 10, 2019, to unitholders of record at the close of business on May 3, 2019.

In August 2014, we announced a share repurchase program of up to \$100 million of our common stock. Under the program, we may repurchase shares in open market transactions, privately negotiated transactions, accelerated share buyback programs, tender offers or by other means. The timing and amount of repurchase transactions are determined by our management based on market conditions, share price, legal requirements and other factors. The program may be suspended, modified or discontinued at any time without prior notice. The company did not repurchase any shares during the first quarter of 2019. To date, we have repurchased 1,119,349 of common stock for approximately \$19.7 million under the program.

We believe we have sufficient working capital for our existing operations. Furthermore, our liquidity position was improved as a result of the sale of three of our ethanol plants as well as the sale of Fleischmann's Vinegar during the fourth quarter of 2018. The majority of net cash proceeds from the sales, net of fees and taxes, was used to pay off the outstanding term loan balance. A continued sustained period of unprofitable operations, however, may strain our liquidity making it difficult to maintain compliance with our financing arrangements. We may sell additional assets or equity or borrow capital to improve or preserve our liquidity, expand our business or acquire existing businesses. We cannot provide assurance that we will be able to secure funding necessary for additional working capital or these projects at reasonable terms, if at all.

#### ***Debt***

For additional information related to our debt, see *Note 8 – Debt* included as part of the notes to consolidated financial statements and *Note 12 – Debt* included as part of the notes to consolidated financial statements included in our annual report on Form 10-K for the year ended December 31, 2018.

We were in compliance with our debt covenants at March 31, 2019. Based on our forecasts, we believe we will maintain compliance at each of our subsidiaries for the next twelve months or have sufficient liquidity available on a consolidated basis to resolve noncompliance. We cannot provide assurance that actual results will approximate our forecasts or that we will inject the necessary capital into a subsidiary to maintain compliance with its respective covenants. In the event a subsidiary is unable to comply with its debt covenants, the subsidiary's lenders may determine that an event of default has occurred, and following notice, the lenders may terminate the commitment and declare the unpaid balance due and payable.

As outlined in *Note 8 - Debt*, we use LIBOR as a reference rate for certain revolving credit facilities. LIBOR is set to be phased out at the end of 2021. At this time, it is not possible to predict the effect of this change or the alternative reference rate to be used. We will need to renegotiate certain credit facilities to determine the interest rate to replace LIBOR with the new standard that is established. As such, the potential effect of any such event on interest expense cannot yet be determined.

#### ***Corporate Activities***

During the three months ended September 30, 2018, we entered into exchange agreements with certain beneficial owners of our outstanding 3.25% convertible senior notes due 2018 (the "Old Notes"), pursuant to which such investors exchanged

\$56.8 million in aggregate principal amount of the Old Notes for \$56.8 million in aggregate principal amount of notes due October 1, 2019 (the “New Notes”).

The New Notes are senior, unsecured obligations of the company and bear interest at a rate of 3.25% per annum, payable semi-annually in arrears on April 1 and October 1 of each year, beginning on October 1, 2018. Interest on the New Notes accrued from, and including, April 1, 2018. The New Notes will mature on October 1, 2019, unless earlier converted. Holders of New Notes may convert their New Notes, at their option, in integral multiples of \$1,000 principal amount, at any time prior to the close of business on the scheduled trading day immediately preceding the maturity date of the New Notes. The conversion rate for the New Notes will initially be 50.6481 shares of the company’s common stock per \$1,000 principal amount of New Notes, which corresponds to an initial conversion price of approximately \$19.74 per share of the company’s common stock. The conversion rate will be subject to adjustment upon the occurrence of certain events. Upon conversion of the convertible notes, the company will settle its conversion obligation by delivering shares of its common stock at the applicable conversion rate, together with cash in lieu of any fractional share.

We do not have the right to redeem the New Notes at its election before their maturity. The New Notes are subject to customary provisions providing for the acceleration of their principal and interest upon the occurrence of events that constitute an “event of default.” Events of default include, among other events, certain payment defaults, defaults in settling conversions, certain defaults under our other indebtedness and certain insolvency-related events. Upon maturity, we will settle the New Notes in cash. At March 31, 2019, the outstanding principal balance was \$54.6 million on the New Notes.

In August 2016, we issued \$170.0 million of 4.125% convertible senior notes due in 2022, or 4.125% notes, which are senior, unsecured obligations with interest payable on March 1 and September 1 of each year. Prior to March 1, 2022, the 4.125% notes are not convertible unless certain conditions are satisfied. The initial conversion rate is 35.7143 shares of common stock per \$1,000 of principal which is equal to a conversion price of approximately \$28.00 per share. The conversion rate is subject to adjustment upon the occurrence of certain events, including when the quarterly cash dividend exceeds \$0.12 per share. We may settle the 4.125% notes in cash, common stock or a combination of cash and common stock. At March 31, 2019, the outstanding principal balance was \$144.3 million on the 4.125% notes.

#### *Ethanol Production Segment*

We have small equipment financing loans, finance leases on equipment or facilities, and other forms of debt financing.

#### *Agribusiness and Energy Services Segment*

Green Plains Grain has a \$125.0 million senior secured asset-based revolving credit facility to finance working capital up to the maximum commitment based on eligible collateral, which matures in July of 2019. This facility can be increased by up to \$75.0 million with agent approval and up to \$50.0 million for seasonal borrowings. Total commitments outstanding under the facility cannot exceed \$250.0 million. At March 31, 2019, the outstanding principal balance was \$37.0 million on the facility and the interest rate was 5.53%.

Green Plains Grain has entered into short-term inventory financing agreements with a financial institution. The company has accounted for the agreements as short-term notes, rather than sales, and has elected the fair value option to offset fluctuations in market prices of the inventory. The company had no short-term notes payable related to these inventory financing agreements as of March 31, 2019.

Green Plains Trade has a \$300.0 million senior secured asset-based revolving credit facility to finance working capital up to the maximum commitment based on eligible collateral, which matures in July of 2022. This facility can be increased by up to \$70.0 million with agent approval. Advances are subject to variable interest rates equal to a daily LIBOR rate plus 2.25% or the base rate plus 1.25%. The unused portion of the credit facility is also subject to a commitment fee of 0.375% per annum. At March 31, 2019, the outstanding principal balance was \$87.2 million on the facility and the interest rate was 4.73%.

Green Plains Commodity Management has an uncommitted \$20.0 million revolving credit facility which matures April 30, 2023 to finance margins related to its hedging programs. Advances are subject to variable interest rates equal to LIBOR plus 1.75%. At March 31, 2019, the outstanding principal balance was \$9.3 million on the facility and the interest rate was 4.17%.

### Food and Ingredients Segment

Green Plains Cattle has a \$500.0 million senior secured asset-based revolving credit facility to finance working capital up to the maximum commitment based on eligible collateral, which matures in April of 2020. This facility can be increased by up to \$100.0 million with agent approval and includes a swing-line sublimit of \$20.0 million. At March 31, 2019, the outstanding principal balance was \$393.0 million on the facility and our interest rate was 4.50%.

Advances under the revolving credit facility, as amended, are subject to variable interest rates equal to LIBOR plus 2.0% to 3.0% or the base rate plus 1.0% to 2.0%, depending on the preceding three months' excess borrowing availability. The unused portion of the credit facility is also subject to a commitment fee of 0.20% to 0.30% per annum, depending on the preceding three months' excess borrowing availability. Interest is payable as required, but not less than quarterly in arrears and principal is due upon maturity.

### Partnership Segment

Green Plains Partners, through a wholly owned subsidiary, has a \$200.0 million revolving credit facility, which matures on July 1, 2020, to fund working capital, acquisitions, distributions, capital expenditures and other general partnership purposes. The credit facility can be increased by an additional \$20.0 million without the consent of the lenders. At March 31, 2019, the outstanding principal balance of the facility was \$135.0 million and our interest rate was 5.51%.

### Contractual Obligations

Contractual obligations as of March 31, 2019, were as follows (in thousands):

Contractual Obligations	Payments Due By Period				
	Total	Less Than 1 Year	1-3 Years	3-5 Years	More Than 5 Years
Long-term and short-term debt obligations <sup>(1)</sup>	\$ 914,178	\$ 584,548	\$ 137,394	\$ 172,015	\$ 20,221
Interest and fees on debt obligations <sup>(2)</sup>	72,524	41,148	18,293	5,177	7,906
Operating lease obligations <sup>(3)</sup>	73,220	20,019	23,639	9,133	20,429
Other	22,261	3,907	5,715	2,975	9,664
Purchase obligations:					
Forward grain purchase contracts <sup>(4)</sup>	178,329	173,819	2,593	1,917	-
Other commodity purchase contracts <sup>(5)</sup>	178,568	166,905	9,346	2,317	-
Other	79	79	-	-	-
Total contractual obligations	\$ 1,439,159	\$ 990,425	\$ 196,980	\$ 193,534	\$ 58,220

(1) Includes the current portion of long-term debt and future finance lease obligations and excludes the effect of any debt discounts and issuance costs.

(2) Interest amounts are calculated over the terms of the loans using current interest rates, assuming scheduled principal and interest amounts are paid pursuant to the debt agreements. Includes administrative and/or commitment fees on debt obligations.

(3) Operating lease costs are primarily for railcars and office space.

(4) Purchase contracts represent index-priced and fixed-price contracts. Index purchase contracts are valued at current quarter-end prices.

(5) Includes fixed-price ethanol, dried distillers grains and natural gas purchase contracts.

### Critical Accounting Policies and Estimates

Key accounting policies, including those relating to revenue recognition, depreciation of property and equipment, carrying value of intangible assets, impairment of long-lived assets and goodwill, derivative financial instruments, and accounting for income taxes, are impacted significantly by judgments, assumptions and estimates used in the preparation of the consolidated financial statements. Information about our critical accounting policies and estimates are included in our annual report on Form 10-K for the year ended December 31, 2018.

### Off-Balance Sheet Arrangements

We do not have any off-balance sheet arrangements.

### **Item 3. Quantitative and Qualitative Disclosures About Market Risk.**

We use various financial instruments to manage and reduce our exposure to various market risks, including changes in commodity prices and interest rates. We conduct all of our business in U.S. dollars and are not currently exposed to foreign currency risk.

#### ***Interest Rate Risk***

We are exposed to interest rate risk through our loans which bear interest at variable rates. Interest rates on our variable-rate debt are based on the market rate for the lender's prime rate or LIBOR. A 10% increase in interest rates would affect our interest cost by approximately \$3.2 million per year. At March 31, 2019, we had \$883.3 million in debt, \$661.5 million of which had variable interest rates.

For additional information related to our debt, see *Note 8 – Debt* included as part of the notes to consolidated financial statements and *Note 12 – Debt* included as part of the notes to consolidated financial statements included in our annual report on Form 10-K for the year ended December 31, 2018.

#### ***Commodity Price Risk***

Our business is highly sensitive to commodity price risk, particularly for ethanol, corn, distillers grains, corn oil, natural gas, and cattle. Ethanol prices are sensitive to world crude oil supply and demand, the price of crude oil, gasoline and corn, the price of substitute fuels, refining capacity and utilization, government regulation and consumer demand for alternative fuels. Corn prices are affected by weather conditions, yield, changes in domestic and global supply and demand, and government programs and policies. Distillers grains prices are impacted by livestock numbers on feed, prices for feed alternatives and supply, which is associated with ethanol plant production. Natural gas prices are influenced by severe weather in the summer and winter and hurricanes in the spring, summer and fall. Other factors include North American energy exploration and production, and the amount of natural gas in underground storage during injection and withdrawal seasons. Cattle prices are impacted by weather conditions, overall economic conditions and government regulations and packer processing disruptions.

To reduce the risk associated with fluctuations in the price of ethanol, corn, distillers grains, corn oil, natural gas and cattle, at times we use forward fixed-price physical contracts and derivative financial instruments, such as futures and options executed on the Chicago Board of Trade, the New York Mercantile Exchange and the Chicago Mercantile Exchange. We focus on locking in favorable operating margins, when available, using a model that continually monitors market prices for corn, natural gas and other inputs relative to the price for ethanol and distillers grains at each of our production facilities. We create offsetting positions using a combination of forward fixed-price purchases, sales contracts and derivative financial instruments. As a result, we frequently have gains on derivative financial instruments that are offset by losses on forward fixed-price physical contracts or inventories and vice versa. Our results are impacted by a mismatch of gains or losses associated with the derivative instrument during a reporting period when the physical commodity purchases or sale has not yet occurred. During the three months ended March 31, 2019, revenues included net losses of \$28.7 million and cost of goods sold included net gains of \$3.9 million associated with derivative financial instruments.

#### ***Ethanol Production Segment***

In the ethanol production segment, net gains and losses from settled derivative instruments are offset by physical commodity purchases or sales to achieve the intended operating margins. To reduce commodity price risk caused by market fluctuations, we enter into exchange-traded futures and options contracts that serve as economic hedges.

Our exposure to market risk, which includes the impact of our risk management activities resulting from our fixed-price purchase and sale contracts and derivatives, is based on the estimated net income effect resulting from a hypothetical 10% change in price for the next 12 months starting on March 31, 2019, which is as follows (in thousands):

<u>Commodity</u>	<u>Estimated Total Volume Requirements for the Next 12 Months (1)</u>	<u>Unit of Measure</u>	<u>Net Income Effect of Approximate 10% Change in Price</u>
Ethanol	1,123,000	Gallons	\$ 122,793
Corn	387,000	Bushels	\$ 106,253
Distillers grains	2,900	Tons (2)	\$ 26,398
Corn oil	292,000	Pounds	\$ 6,031
Natural gas	31,200	MmBTU	\$ 4,922

(1) Estimated volumes assume production at full capacity.

(2) Distillers grains quantities are stated on an equivalent dried ton basis.

#### *Agribusiness and Energy Services Segment*

In the agribusiness and energy services segment, our inventories, physical purchase and sale contracts and derivatives are marked to market. To reduce commodity price risk caused by market fluctuations for purchase and sale commitments of grain and grain held in inventory, we enter into exchange-traded futures and options contracts that serve as economic hedges.

The market value of exchange-traded futures and options used for hedging are highly correlated with the underlying market value of grain inventories and related purchase and sale contracts for grain. The less correlated portion of inventory and purchase and sale contract market values, known as basis, is much less volatile than the overall market value of exchange-traded futures and tends to follow historical patterns. We manage this less volatile risk by constantly monitoring our position relative to the price changes in the market. Inventory values are affected by the month-to-month spread in the futures markets. These spreads are also less volatile than overall market value of our inventory and tend to follow historical patterns, but cannot be mitigated directly. Our accounting policy for futures and options, as well as the underlying inventory held for sale and purchase and sale contracts, is to reflect their current market values and include gains and losses in the consolidated statement of operations.

Our daily net commodity position consists of inventories related to purchase and sale contracts and exchange-traded contracts. The fair value of our position was approximately \$2.4 million for grain at March 31, 2019. Our market risk at that date, based on the estimated net income effect resulting from a hypothetical 10% change in price, was approximately \$0.2 million.

#### *Food and Ingredients Segment*

In the food and ingredients segment, our physical cattle purchase and sale contracts and derivatives are marked to market. To reduce commodity price risk caused by market fluctuations for purchase and sale commitments of cattle, we enter into exchange-traded futures and options contracts that serve as hedges.

The market value of exchange-traded futures and options used for hedging are highly correlated with the underlying market value of purchase and sale contracts for cattle. The less correlated portion of inventory and purchase and sale contract market values, known as basis, is much less volatile than the overall market value of exchange-traded futures and tends to follow historical patterns. We manage this less volatile risk by constantly monitoring our position relative to the price changes in the market. Inventory values are affected by the month-to-month spread in the futures markets. These spreads are also less volatile than overall market value of our inventory and tend to follow historical patterns, but cannot be mitigated directly. Our accounting policy for futures and options, as well as the underlying inventory held for sale and purchase and sale contracts, is to reflect their current market values and include gains and losses in the consolidated statement of operations.

Our daily net commodity position consists of inventories related to purchase and sale contracts and exchange-traded contracts. The fair value of our position was approximately \$1.6 million for cattle at March 31, 2019. Our market risk at that date, based on the estimated net income effect resulting from a hypothetical 10% change in price, was approximately \$0.1 million.

Our daily net commodity position consists of inventories related to purchase and sale contracts and exchange-traded contracts. The fair value of our position was approximately \$11.7 million for grain and other cattle feed at March 31, 2019. Our market risk at that date, based on the estimated net income effect resulting from a hypothetical 10% change in price, was approximately \$0.9 million.

#### **Item 4. Controls and Procedures.**

##### *Evaluation of Disclosure Controls and Procedures*

We maintain disclosure controls and procedures designed to ensure information that must be disclosed in the reports we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and that such information is accumulated and communicated to management, as appropriate, to allow timely decisions regarding required financial disclosure. In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. Management is required to apply its judgment in evaluating the cost-benefit relationship of possible controls and procedures.

Under the supervision and participation of our chief executive officer and chief financial officer, management carried out an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures as of March 31, 2019, as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act and concluded that our disclosure controls and procedures were effective.

##### *Changes in Internal Control over Financial Reporting*

Management is responsible for establishing and maintaining effective internal control over financial reporting to provide reasonable assurance regarding the reliability of our financial reporting and the preparation of our consolidated financial statements for external purposes in accordance with U.S. generally accepted accounting principles. There were no material changes in our internal control over financial reporting that occurred during the period covered by this report that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. We implemented internal controls to ensure we properly assessed the impact of the new lease accounting standard on our financial statements to facilitate the adoption on January 1, 2019. There were no significant changes to our internal control over financial reporting due to the adoption of this standard.

## PART II – OTHER INFORMATION

### Item 1. Legal Proceedings.

We are currently involved in litigation that has arisen during the ordinary course of business. We do not believe this litigation will have a material adverse effect on our financial position, results of operations or cash flows.

### Item 1A. Risk Factors.

Investors should carefully consider the discussion of risks and the other information in our annual report on Form 10-K for the year ended December 31, 2018, in Part I, Item 1A, “Risk Factors,” and the discussion of risks and other information in Part I, Item 2, “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” under “Cautionary Information Regarding Forward-Looking Statements,” of this report. Investors should also carefully consider the discussion of risks with the partnership under the heading “Risk Factors” and other information in their annual report on Form 10-K for the year ended December 31, 2018. Although we have attempted to discuss key factors, our investors need to be aware that other risks may prove to be important in the future. New risks may emerge at any time and we cannot predict such risks or estimate the extent to which they may affect our financial performance.

### Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

Employees surrender shares when restricted stock grants are vested to satisfy statutory minimum required payroll tax withholding obligations.

The following table lists the shares that were surrendered during the first quarter of 2019:

Period	Total Number of Shares Withheld for Employee Awards	Average Price Paid per Share
January 1 - January 31	-	\$ -
February 1 - February 28	53,690	14.44
March 1 - March 31	74,317	16.18
Total	128,007	\$ 15.45

In August 2014, we announced a share repurchase program of up to \$100 million of our common stock. Under this program, we may repurchase shares in open market transactions, privately negotiated transactions, accelerated buyback programs, tender offers or by other means. The timing and amount of the transactions are determined by management based on its evaluation of market conditions, share price, legal requirements and other factors. The program may be suspended, modified or discontinued at any time, without prior notice. We did not repurchase any shares during the first quarter of 2019. Approximately \$80.3 million of shares are remaining to be repurchased under the program.

### Item 3. Defaults Upon Senior Securities.

None.

### Item 4. Mine Safety Disclosures.

Not applicable.

### Item 5. Other Information.

None.

**Item 6. Exhibits.**

**Exhibit Index**

<b>Exhibit No.</b>	<b>Description of Exhibit</b>
*10.1	<a href="#">Side Letter Agreement dated October 22, 2018 by and between the company and Kenneth M. Simril</a>
31.1	<a href="#">Certification of Chief Executive Officer pursuant to Rule 13a-14(a) and Section 302 of the Sarbanes-Oxley Act of 2002</a>
31.2	<a href="#">Certification of Chief Financial Officer pursuant to Rule 13a-14(a) and Section 302 of the Sarbanes-Oxley Act of 2002</a>
32.1	<a href="#">Certification of Chief Executive Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002</a>
32.2	<a href="#">Certification of Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002</a>
101	The following information from Green Plains Inc.'s Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2019, formatted in Extensible Business Reporting Language (XBRL): (i) Consolidated Balance Sheets, (ii) Consolidated Statements of Operations, (iii) Consolidated Statements of Comprehensive Income, (iv) Consolidated Statements of Cash Flows, and (v) the Notes to Consolidated Financial Statements

\* Represents management compensatory contracts

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**GREEN PLAINS INC.**  
(Registrant)

Date: May 9, 2019

By: /s/ Todd A. Becker  
Todd A. Becker  
President and Chief Executive Officer  
(Principal Executive Officer)

Date: May 9, 2019

By: /s/ John W. Neppi  
John W. Neppi  
Chief Financial Officer  
(Principal Financial Officer)

## SIDE LETTER AGREEMENT

This Side Letter Agreement (this “*Agreement*”) is entered into by and among Green Plains, Inc., an Iowa corporation (“*GPRE*”), its wholly owned subsidiary Green Plains II LLC, a Delaware limited liability company (“*GPRE Holding Company*”), and Kenneth M. Simril, an individual (“*Executive*”), effective as of this 22nd day of October 2018, concurrent with the Company’s and Executive’s entry into the Executive Employment Agreement, dated this 22nd day of October.

In consideration of the promises and mutual covenants contained herein, the parties hereto agree as follows:

1. Definitions.

1.1 “*Code*” means the Internal Revenue Code of 1986, as amended, and the regulations and other guidance issued thereunder.

1.2 “*Company*” means Fleischmann’s Vinegar Company, Inc., a Delaware corporation and a wholly owned operating subsidiary of GPRE Holding Company.

1.3 “*Effective Time*” means the time of the consummation of the Sale.

1.4 “*Existing Employment Agreement*” means the Employment Agreement entered into by and among GPRE, the Company and Executive as of on or around September 30, 2016 and effective as of October 3, 2016, as amended in accordance with its terms from time to time.

1.5 “*Sale*” means a merger or combination of, or a sale to a third party, of all or substantially all of the outstanding equity interests in, or all or substantially all of the assets of, the Company, for which the gross purchase price is at least \$350,000,000 and which closes by January 31, 2019.

2. Vesting of GPRE Equity Awards. Effective as of immediately prior to, but contingent upon, the consummation of the Sale, all then-outstanding and unvested equity and equity-based awards covering GPRE shares and held by Executive (as set forth on Schedule 1 to this Agreement) shall, without limiting the terms and conditions of Section 7.2(b) of the Existing Employment Agreement and subject to the terms and conditions of Section 4, become fully vested and released from any restrictions on transfer (it being acknowledged and agreed for this purpose that any outstanding equity and equity-based awards held by Executive which are then-unvested and subject to performance-based vesting criteria shall be deemed to have been earned and vested based on “target”-level performance or the actual level of performance in effect as of immediately prior to the Effective Time, whichever is greater). To the extent applicable and subject to the terms of the applicable award agreements, any GPRE shares underlying equity-based awards that become vested pursuant to this Section 2 will be settled and delivered to Executive as soon as practicable following the consummation of the Sale and in all events prior to March 15 of the year following the year in which such vesting occurs, subject to applicable withholding for taxes.

3. Bonuses – Additional Terms and Conditions. In the event of a termination of Executive’s employment with or services to the Company for any reason at any time prior to the

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Effective Time, other than a termination by the Company for “Cause” (as defined in the Existing Employment Agreement) or a resignation by Executive without “Good Reason” (as defined in the Existing Employment Agreement), then, upon the Effective Time, GPRE shall pay a bonus to Executive equal to \$2,000,000.

4. Compliance with Code Sections 409A and 280G.

4.1 Code Section 409A. Notwithstanding any provision in this Agreement to the contrary, all payments and amounts hereunder are intended to be “short-term deferrals” that are not subject to Section 409A of the Code, and this Agreement shall be interpreted consistent with such intent. If any payment under this Agreement is deemed to be a payment of deferred compensation that is subject to Code Section 409A, then (i) to the extent required in order to avoid accelerated taxation and/or tax penalties under Code Section 409A, Executive shall not be considered to have terminated employment with the Company for purposes of this Agreement and no payment shall be due to Executive under this Agreement until Executive would be considered to have incurred a “separation from service” from the Company within the meaning of Code Section 409A, (ii) each amount to be paid or benefit to be provided to Executive pursuant to this Agreement shall be construed as a separate identified payment for purposes of Code Section 409A, and (iii) if, on the date of Executive’s separation from service (as defined in Treasury Regulation §1.409A-1(h)), Executive is a specified employee (as defined in Code Section 409A and Treasury Regulation §1.409A-1(i)), no payment due to Executive’s separation from service shall be made under this Agreement at any time during the six (6)-month period following the Employee’s separation from service of any amount that results in the “deferral of compensation” within the meaning of Treasury Regulation §1.409A-1(b), after application of the exemptions provided in Treasury Regulation §§1.409A-1(b)(4) and 1.409A-1(b)(9)(iii) and (v), and any amounts otherwise payable during such six (6)-month period shall be paid in a lump sum on the first payroll payment date following expiration of such six (6)-month period. Notwithstanding anything to the contrary, GPRE does not make any representations that the payments and benefits provided under this Agreement are exempt from or are in compliance with Code Section 409A, and in no event shall GPRE be liable for all or any portion of any taxes, penalties, interest, or other expenses that may be incurred by Executive on account of Code Section 409A.

4.2 Code Section 280G. If any payment or benefit that Executive would receive pursuant to this Agreement (“**Payment**”) would (a) constitute a “parachute payment” within the meaning of Code Section 280G, and (b) but for this sentence, be subject to the excise tax imposed by Code Section 4999 (the “**Excise Tax**”), then such Payment shall be adjusted, consistent with the requirements of Code Section 409A to the extent applicable, so that it equals the Reduced Amount. The “**Reduced Amount**” shall be the largest portion of the Payment that would result in no portion of the Payment being subject to the Excise Tax. If a reduction in payments or benefits constituting “parachute payments” is necessary so that the Payment equals the Reduced Amount, any such reduction will occur in a manner necessary to provide Executive with the greatest post-reduction economic benefit. If more than one manner of reduction of Payments necessary to arrive at the Reduced Amount yields the greatest economic benefit to Executive, the Payments will be reduced pro rata.

5. Amendment. Concurrent with the Sale, Executive shall sign an amendment to the Existing Employment Agreement releasing GPRE from the Existing Employment Agreement.

6. Withholding Taxes. Executive will be solely responsible for any federal, state, local or payroll taxes imposed in connection with the vesting of the equity or equity-based awards described in Section 2 or the delivery of the shares pursuant thereto, and Executive authorizes GPRE or its affiliates to pay any withholding for taxes which GPRE deems necessary or proper in connection therewith, subject to the terms of the award agreements for such equity or equity-based awards.

7. Assignment. This Agreement is not assignable or delegable in whole or in part by Executive without the consent of the Chief Executive Officer of GPRE (Mr. Todd Becker).

8. Waiver or Modification. Any waiver, modification or amendment of any provision of this Agreement shall be effective only if in writing in a document that specifically refers to this Agreement and such document is signed by the parties hereto.

9. Entire Agreement. This Agreement constitutes the full and complete understanding and agreement of the parties hereto with respect to the specific subject matter covered herein and supersedes all prior oral or written understandings and agreements with respect to such specific subject matter.

10. Severability. If any provision of this Agreement is found to be unenforceable by a court of competent jurisdiction, the remaining provisions shall nevertheless remain enforceable in full force and effect, and the court making such determination shall modify, among other things, the scope, duration, or geographic area of such affected provision to preserve the enforceability thereof to the maximum extent then permitted by law.

11. Notices. All notices thereunder shall be in writing addressed to the respective party as set forth below and may be personally served, sent by facsimile transmission, sent by overnight courier service, or sent by United States mail, return receipt requested. Such notices shall be deemed to have been given: (i) if delivered in person, on the date of delivery; (ii) if delivered by facsimile transmission, on the date of transmission if transmitted by 5:00 p.m. (local time, Omaha, Nebraska) on a business day or, if not, on the next succeeding business day; provided that a copy of such notice is also sent the same day as the facsimile transmission by any other means permitted herein; (iii) if delivered by overnight courier, on the date that delivery is first attempted; or (iv) if by United States mail, on the earlier of two (2) business days after depositing in the United States mail, postage prepaid and properly addressed, or the date delivery is first attempted. Notices shall be addressed as set forth as set forth on the signature page hereof, or to such other address as the party to whom such notice is intended shall have previously designated by written notice to the serving party. Notices shall be deemed effective upon receipt.

12. Governing Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Nebraska, without reference to the choice of law provisions thereof. Any action, suit or proceeding based upon, arising out of or related to this Agreement or the transactions contemplated hereby shall be brought in any federal court of the United States of America sitting in the State of Nebraska, and each of the parties irrevocably submits to the exclusive jurisdiction of each such court in any such action, suit or proceeding, waives any objection it may now or hereafter have to personal jurisdiction, venue or to convenience of forum, agrees that all claims in respect of the action, suit or proceeding shall be heard and determined

only in any such court, and agrees not to bring any action, suit or proceeding arising out of or relating to this Agreement or the transactions contemplated hereby in any other court.

13. Attorneys' Fees. In the event an action or proceeding is brought by any party under this Agreement to enforce or construe any of its terms, the party that prevails by enforcing this Agreement shall be entitled to recover, in addition to all other amounts and relief, its reasonable costs and attorneys' fees incurred in connection with such action or proceeding.

14. Construction. Whenever the context requires, the singular shall include the plural and the plural shall include the singular, the whole shall include any part thereof, and any gender shall include all other genders. The headings in this Agreement are for convenience only and shall not limit, enlarge, or otherwise affect any of the terms of this Agreement. Unless otherwise indicated, all references in this Agreement to sections refer to the corresponding sections of this Agreement. This Agreement shall be construed as though all parties had drafted it and each party acknowledges that they have had adequate time to consult with their own legal counsel.

15. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same agreement. Counterparts and signatures transmitted by facsimile shall be valid, effective and enforceable as originals.

IN WITNESS WHEREOF, Executive has signed this Agreement personally and GPRE has caused this Agreement to be executed by its duly authorized representative.

**GREEN PLAINS INC.**

By: /s/ Todd Becker  
Name: Todd Becker  
Title: Chief Executive Officer

**GREEN PLAINS II LLC**

By: /s/ Todd Becker  
Name: Todd Becker  
Title: Chairman of the Board

Address for GPRE:  
Green Plains Inc.  
450 Regency Parkway Suite 400  
Omaha, NE 68114

**Executive**

/s/ Kenneth M. Simril, individually

Address for Executive:

Mr. Kenneth M. Simril  
12604 Hidden Creek Way, Suite A  
Cerritos, California 90703

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**SCHEDULE I**

Outstanding Equity and Equity-Based Awards Held by Executive

*[See Attached]*

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**CERTIFICATION OF CHIEF EXECUTIVE OFFICER  
PURSUANT TO RULE 13a-14(a) AND SECTION 302 OF THE SARBANES OXLEY ACT OF 2002**

I, Todd A. Becker, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Green Plains Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2019

*/s/ Todd A. Becker*  
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Todd A. Becker  
*President and Chief Executive Officer*  
*(Principal Executive Officer)*

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**CERTIFICATION OF CHIEF FINANCIAL OFFICER  
PURSUANT TO RULE 13a-14(a) AND SECTION 302 OF THE SARBANES OXLEY ACT OF 2002**

I, John W. Nepl, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Green Plains Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f) for the registrant and have:
  - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 9, 2019

*/s/ John W. Nepl*  
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John W. Nepl  
Chief Financial Officer  
(Principal Financial Officer)

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**CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO 18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Green Plains Inc. (the “company”) on Form 10-Q for the fiscal quarter ended March 31, 2019 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, Todd A. Becker, President and Chief Executive Officer of the company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

- 1) The Report fully complies with the requirements of Sections 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- 2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the company.

Date: May 9, 2019

*/s/ Todd A. Becker*  
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Todd A. Becker  
*President and Chief Executive Officer*

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**CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO 18 U.S.C. SECTION 1350,  
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

In connection with the Quarterly Report of Green Plains Inc. (the “company”) on Form 10-Q for the fiscal quarter ended March 31, 2019 as filed with the Securities and Exchange Commission on the date hereof (the “Report”), I, John W. Nepl, Chief Financial Officer of the company, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that to my knowledge:

- 1) The Report fully complies with the requirements of Sections 13(a) or 15(d) of the Securities Exchange Act of 1934; and
- 2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the company.

Date: May 9, 2019

*/s/ John W. Nepl*  
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John W. Nepl  
Chief Financial Officer

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