

KIRBY CORP
Form 10-Q
August 03, 2018

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 June 30, 2018

Transition report pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Commission File Number 1-7615

KIRBY CORPORATION
(Exact name of registrant as specified in its charter)

Nevada 74-1884980
(State or other jurisdiction of incorporation or organization) (IRS Employer Identification No.)

55 Waugh Drive, Suite 1000 77007
Houston, TX
(Address of principal executive offices) (Zip Code)

(713) 435-1000
(Registrant's telephone number, including area code)

No Change
(Former name, former address and former fiscal year, if changed since last report)

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 and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulations S-T

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(§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes No

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

Large accelerated filer

Accelerated filer

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

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

The number of shares outstanding of the registrant’s Common Stock, \$.10 par value per share, on August 2, 2018 was 59,873,000.

PART I – FINANCIAL INFORMATION

Item 1. Financial Statements

KIRBY CORPORATION AND CONSOLIDATED SUBSIDIARIES

CONDENSED BALANCE SHEETS

(Unaudited)

ASSETS

	June 30, 2018	December 31, 2017
	(\$ in thousands)	
Current assets:		
Cash and cash equivalents	\$4,198	\$ 20,102
Accounts receivable:		
Trade – less allowance for doubtful accounts	448,281	452,222
Other	116,673	106,231
Inventories – net	384,007	315,729
Prepaid expenses and other current assets	82,173	62,798
 Total current assets	 1,035,332	 957,082
Property and equipment	5,007,375	4,360,882
Less accumulated depreciation	(1,458,309)	(1,401,617)
 Property and equipment – net	 3,549,066	 2,959,265
Goodwill	961,745	935,135
Other intangibles – net	233,974	232,808
Other assets	49,159	43,137
 Total assets	 \$5,829,276	 \$ 5,127,427

See accompanying notes to condensed financial statements.

KIRBY CORPORATION AND CONSOLIDATED SUBSIDIARIES

CONDENSED BALANCE SHEETS

(Unaudited)

LIABILITIES AND STOCKHOLDERS' EQUITY

	June 30, 2018	December 31, 2017
	(\$ in thousands)	
Current liabilities:		
Bank notes payable	\$ 17	\$ 3
Income taxes payable	2,875	191
Accounts payable	263,470	222,005
Accrued liabilities	228,791	209,760
Deferred revenues	61,165	48,347
Total current liabilities	556,318	480,306
Long-term debt – less current portion	1,442,513	992,403
Deferred income taxes	531,284	468,451
Other long-term liabilities	111,470	72,044
Total long-term liabilities	2,085,267	1,532,898
Contingencies and commitments	—	—
Equity:		
Kirby stockholders' equity:		
Common stock, \$.10 par value per share. Authorized 120,000,000 shares, issued 65,472,000 shares	6,547	6,547
Additional paid-in capital	817,609	802,961
Accumulated other comprehensive income – net	(39,922)	(32,405)
Retained earnings	2,706,213	2,646,937
Treasury stock – at cost, 5,598,000 shares at June 30, 2018 and 5,783,000 at December 31, 2017	(306,097)	(313,220)
Total Kirby stockholders' equity	3,184,350	3,110,820
Noncontrolling interests	3,341	3,403
Total equity	3,187,691	3,114,223
Total liabilities and equity	\$5,829,276	\$ 5,127,427

See accompanying notes to condensed financial statements.

KIRBY CORPORATION AND CONSOLIDATED SUBSIDIARIES

CONDENSED STATEMENTS OF EARNINGS

(Unaudited)

	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
	(\$ in thousands, except per share amounts)			
Revenues:				
Marine transportation	\$378,163	\$331,265	\$718,566	\$674,917
Distribution and services	424,508	142,063	825,793	290,116
Total revenues	802,671	473,328	1,544,359	965,033
Costs and expenses:				
Costs of sales and operating expenses	588,628	324,750	1,141,945	669,549
Selling, general and administrative	92,588	46,550	169,384	92,692
Taxes, other than on income	10,552	6,344	19,087	12,993
Depreciation and amortization	55,492	48,293	109,710	96,463
Loss (gain) on disposition of assets	(442)	139	(2,340)	40
Total costs and expenses	746,818	426,076	1,437,786	871,737
Operating income	55,853	47,252	106,573	93,296
Other income (expense)	1,541	228	3,132	(361)
Interest expense	(12,540)	(4,465)	(22,320)	(8,922)
Earnings before taxes on income	44,854	43,015	87,385	84,013
Provision for taxes on income	(16,061)	(17,043)	(25,926)	(30,396)
Net earnings	28,793	25,972	61,459	53,617
Less: Net earnings attributable to noncontrolling interests	(191)	(194)	(386)	(356)
Net earnings attributable to Kirby	\$28,602	\$25,778	\$61,073	\$53,261
Net earnings per share attributable to Kirby common stockholders:				
Basic	\$0.48	\$0.48	\$1.02	\$0.99
Diluted	\$0.48	\$0.48	\$1.02	\$0.99

See accompanying notes to condensed financial statements.

KIRBY CORPORATION AND CONSOLIDATED SUBSIDIARIES

CONDENSED STATEMENTS OF COMPREHENSIVE INCOME

(Unaudited)

	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
	(\$ in thousands)			
Net earnings	\$28,793	\$25,972	\$61,459	\$53,617
Other comprehensive income (loss), net of taxes:				
Pension and postretirement benefits	(13)	14,140	417	14,886
Foreign currency translation adjustments	(429)	—	(9)	—
Reclassification to retained earnings of stranded tax effects from tax reform	—	—	(7,925)	—
Total other comprehensive income (loss), net of taxes	(442)	14,140	(7,517)	14,886
Total comprehensive income, net of taxes	28,351	40,112	53,942	68,503
Net earnings attributable to noncontrolling interests	(191)	(194)	(386)	(356)
Comprehensive income attributable to Kirby	\$28,160	\$39,918	\$53,556	\$68,147

See accompanying notes to condensed financial statements.

KIRBY CORPORATION AND CONSOLIDATED SUBSIDIARIES

CONDENSED STATEMENTS OF CASH FLOWS

(Unaudited)

	Six months ended June 30,	
	2018	2017
	(\$ in thousands)	
Cash flows from operating activities:		
Net earnings	\$61,459	\$53,617
Adjustments to reconcile net earnings to net cash provided by operations:		
Depreciation and amortization	109,710	96,463
Provision for deferred income taxes	23,381	18,651
Amortization of unearned share-based compensation	13,551	5,924
Amortization of major maintenance costs	10,338	9,938
Amortization of debt issuance costs	578	588
Other	(1,778)	29
Increase (decrease) in cash flows resulting from changes in operating assets and liabilities, net	(63,484)	8,585
Net cash provided by operating activities	153,755	193,795
Cash flows from investing activities:		
Capital expenditures	(152,911)	(92,509)
Acquisitions of businesses and marine equipment, net of cash acquired	(499,227)	—
Proceeds from disposition of assets	25,208	27,966
Net cash used in investing activities	(626,930)	(64,543)
Cash flows from financing activities:		
Payments on bank credit facilities	(45,485)	(131,855)
Borrowings on long-term debt	499,295	—
Payment of debt issue costs	(4,263)	—
Proceeds from exercise of stock options	12,987	1,838
Payments related to tax withholding for share-based compensation	(4,813)	(2,874)
Other	(450)	(418)
Net cash provided by (used in) financing activities	457,271	(133,309)
Decrease in cash and cash equivalents	(15,904)	(4,057)
Cash and cash equivalents, beginning of year	20,102	5,634
Cash and cash equivalents, end of period	\$4,198	\$1,577
Supplemental disclosures of cash flow information:		
Cash paid during the period:		
Interest paid	\$14,085	\$9,724
Income taxes paid (refunded)	\$(132)	\$16,274
Capital expenditures included in accounts payable	\$(16,498)	\$6,289
Non-cash investing activity:		
Cash acquired in acquisition	\$2,313	\$—

See accompanying notes to condensed financial statements.

KIRBY CORPORATION AND CONSOLIDATED SUBSIDIARIES

NOTES TO CONDENSED FINANCIAL STATEMENTS

(Unaudited)

(1) BASIS FOR PREPARATION OF THE CONDENSED FINANCIAL STATEMENTS

The condensed financial statements included herein have been prepared by Kirby Corporation (the “Company”), without audit, pursuant to the rules and regulations of the Securities and Exchange Commission. Although the Company believes that the disclosures are adequate to make the information presented not misleading, certain information and footnote disclosures, including significant accounting policies normally included in annual financial statements, have been condensed or omitted pursuant to such rules and regulations. It is suggested that these condensed financial statements be read in conjunction with the Company’s Annual Report on Form 10-K for the year ended December 31, 2017.

(2) ACCOUNTING STANDARDS ADOPTIONS

In February 2018, the Financial Accounting Standards Board (“FASB”) issued Accounting Standards Update (“ASU”) 2018-02, “Income Statement – Reporting Comprehensive Income (Topic 220): 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 recent federal tax reform legislation. ASU 2018-02 eliminates the stranded tax effects resulting from the recent federal tax reform legislation and will improve the usefulness of information reported to financial statement users. The amendments in ASU 2018-02 will be applied either in the period of adoption or retrospectively to each period (or periods) in which the effect of the change in the recent federal tax reform legislation is recognized. ASU 2018-02 is effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2018. Early adoption is permitted, including adoption in any interim period, for which financial statements have not yet been made available for issuance. The Company elected to early adopt ASU 2018-02 in the 2018 first quarter, which resulted in the reclassification of \$7,925,000 from accumulated other comprehensive income (loss) to retained earnings due to the change in the federal corporate tax rate.

In March 2017, the FASB issued ASU 2017-07, “Compensation – Retirement Benefits (Topic 715): Improving the Presentation of Net Periodic Pension Cost and Net Periodic Postretirement Benefit Cost” (“ASU 2017-07”) which requires employers to include only the service cost component of net periodic pension cost and net periodic postretirement benefit cost in operating expenses. The other components of net benefit cost are required to be presented in the income statement separately from the service cost component and outside a subtotal of income from operations. The standard allows only the service cost component to be eligible for capitalization when applicable. ASU 2017-07 is effective for annual and interim periods beginning after December 15, 2017 with early adoption permitted. This standard shall be applied retrospectively for the presentation of the service cost component and the other components of net periodic pension cost and net periodic postretirement benefit cost in the income statement and prospectively for the capitalization of the service cost benefit in assets. The Company adopted ASU 2017-07 on January 1, 2018 and applied the standard retrospectively. The other components of net benefit cost are shown in Note 13, Retirement Plans. As a result of the adoption, the Company reclassified income of \$229,000 for the three months ended June 30, 2017 and expense of \$244,000 for the six months ended June 30, 2017 from operating expense into non-operating expense in the condensed statement of earnings.

In January 2017, the FASB issued ASU 2017-04, “Intangibles – Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment” (“ASU 2017-04”) which simplifies the subsequent measurement of goodwill by eliminating Step 2 in the goodwill impairment test that required an entity to perform procedures to determine the fair value of its assets and liabilities at the testing date. An entity instead will perform its annual, or interim, goodwill impairment test by comparing the fair value of a reporting unit with its carrying value and record an impairment charge based on the

excess of a reporting unit's carrying amount over its fair value. An entity still has the option to perform the qualitative assessment for a reporting unit to determine if the quantitative impairment test is necessary. ASU 2017-04 will be applied prospectively and is effective for annual and interim goodwill impairment tests conducted in fiscal years beginning after December 15, 2019. Early adoption is permitted for interim or annual goodwill impairment testing dates after January 1, 2017. The Company is currently evaluating the impact, if any, that the adoption of this standard will have on its consolidated financial statements.

In August 2016, the FASB issued ASU 2016-15, “Statement of Cash Flows (Topic 230): Classification of Certain Cash Receipts and Cash Payments” (“ASU 2016-15”) to create consistency in practice in how certain cash receipts and cash payments are presented and classified in the statement of cash flows. ASU 2016-15 is effective for annual and interim periods beginning after December 15, 2017. Early adoption is permitted. The Company adopted ASU 2016-15 on January 1, 2018 and the adoption of the standard did not have a material impact on the consolidated financial statements.

In February 2016, the FASB issued ASU No. 2016-02, “Leases (Topic 842)” (“ASU 2016-02”) to increase transparency and comparability among organizations by requiring recognition of lease assets and lease liabilities on the balance sheet and disclosure of key information about leasing arrangements. ASU 2016-02 is effective for annual and interim periods beginning after December 15, 2018, with early adoption permitted. A modified retrospective approach is required. The Company has formed a project team to evaluate the impact that the adoption of this standard will have on its consolidated financial statements and disclosures. The project team has completed training on the new standard and has started lease review and documentation, including review of practical expedients available, but the Company has not yet determined the effect of ASU 2016-02 on its ongoing financial reporting.

In May 2014, the FASB issued ASU 2014-09, “Revenue from Contracts with Customers (ASC Topic 606)” (“ASU 2014-09” or “ASC 606”). ASU 2014-09 requires an entity to recognize the amount of revenue to which it expects to be entitled for the transfer of promised goods or services to customers. ASU 2014-09 replaces most existing revenue recognition guidance in United States Generally Accepted Accounting Principles and is effective for fiscal years, and interim periods within those years, beginning after December 15, 2017. ASU 2014-09 permits the use of either the retrospective, modified retrospective or prospective with a cumulative catch-up approach. The Company adopted ASU 2014-09 on January 1, 2018 under the modified retrospective approach with a cumulative adjustment that decreased the opening balance of retained earnings by \$9,722,000. Prior period amounts were not adjusted and the prior period amounts continue to be reported under the accounting standards in effect for those periods. The cumulative adjustment primarily relates to recognition of revenue on certain contract manufacturing activities, primarily construction of new pressure pumping units in the Company’s distribution and services segment. The Company previously recognized revenue on manufacturing and assembly projects on a percentage of completion method using measurements of progress towards completion appropriate for the work performed. Upon the adoption of ASU 2014-09, the Company recognizes the revenues on contract manufacturing activities upon shipment and transfer of control versus the percentage of completion method.

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The following tables summarize the financial statement line items within the Company's condensed consolidated financial statements impacted by ASU 2014-09 for the three months and six months ended June 30, 2018 (in thousands):

	Three months ended June 30, 2018		
	As Reported	Balances without Adoption of ASC 606	Effect of Change
Statements of earnings:			
Distribution and services revenues	\$ 424,508	\$ 376,008	\$ 48,500
Costs of sales and operating expenses	\$ 588,628	\$ 549,628	\$ 39,000
Operating income	\$ 55,853	\$ 46,353	\$ 9,500
Earnings before taxes on income	\$ 44,854	\$ 35,354	\$ 9,500
Provision for taxes on income	\$ (16,061)	\$ (13,797)	\$ (2,264)
Net earnings attributable to Kirby	\$ 28,602	\$ 21,366	\$ 7,236
Statements of comprehensive income:			
Net earnings	\$ 28,793	\$ 21,557	\$ 7,236
Comprehensive income attributable to Kirby	\$ 28,160	\$ 20,924	\$ 7,236

	Six months ended June 30, 2018		
	As Reported	Balances without Adoption of ASC 606	Effect of Change
Statements of earnings:			
Distribution and services revenues	\$ 825,793	\$ 804,593	\$ 21,200
Costs of sales and operating expenses	\$ 1,141,945	\$ 1,124,445	\$ 17,500
Operating income	\$ 106,573	\$ 102,873	\$ 3,700
Earnings before taxes on income	\$ 87,385	\$ 83,685	\$ 3,700
Provision for taxes on income	\$ (25,926)	\$ (25,013)	\$ (913)
Net earnings attributable to Kirby	\$ 61,073	\$ 58,286	\$ 2,787
Statements of comprehensive income:			
Net earnings	\$ 61,459	\$ 58,672	\$ 2,787
Comprehensive income attributable to Kirby	\$ 53,556	\$ 50,769	\$ 2,787
Statements of cash flows:			
Net earnings	\$ 61,459	\$ 58,672	\$ 2,787
Provision for deferred income taxes	\$ 23,381	\$ 24,294	\$ (913)
Decrease in cash flows resulting from changes in operating assets and liabilities, net	\$ (63,484)	\$ (61,610)	\$ (1,874)

The following table summarizes the balance sheet line items within the Company's condensed consolidated financial statements as of June 30, 2018 impacted by ASU 2014-09 (in thousands):

	June 30, 2018		
	As	Balances without Adoption of	Effect of
	Reported	ASC 606	Change
Balance sheets:			
Trade receivables	\$448,281	\$487,499	\$(39,218)
Inventories – net	\$384,007	\$348,907	\$35,100
Total assets	\$5,829,276	\$5,833,394	\$(4,118)
Deferred revenues	\$61,165	\$56,183	\$4,982
Deferred income taxes	\$531,284	\$533,471	\$(2,187)
Retained earnings	\$2,706,213	\$2,713,126	\$(6,913)
Total liabilities and equity	\$5,829,276	\$5,833,394	\$(4,118)

(3) REVENUES

The following table sets forth the Company's revenues by major source for the three months and six months ended June 30, 2018 and 2017 (in thousands):

	Three months ended		Six months ended	
	June 30,	June 30,	June 30,	June 30,
	2018	2017	2018	2017
Marine transportation segment:				
Inland transportation	\$286,920	\$224,464	\$539,275	\$461,702
Coastal transportation	91,243	106,801	179,291	213,215
	\$378,163	\$331,265	\$718,566	\$674,917
Distribution and services segment:				
Oil and gas	\$304,859	\$93,699	\$579,350	\$190,803
Commercial and industrial	119,649	48,364	246,443	99,313
	\$424,508	\$142,063	\$825,793	\$290,116

The Company's revenue is measured based on consideration specified in its contracts with its customers. The Company recognizes revenue as it satisfies performance obligations in its contracts which occur as the Company delivers a service over time to its customers, or transfers control over a part or product to its customer.

Marine Transportation Revenues. The Company's marine transportation segment utilizes contracts with its customers to transport cargo from a designated origin to a designated destination at a set rate or at a daily rate. The Company uses a voyage accounting method of revenue recognition for its marine transportation revenues which allocates voyage revenue based on the percent of the voyage completed during the period. The performance of the service is invoiced as the transaction occurs and payment is required depending on each specific customer's credit terms.

Distribution and Services Revenues. Distribution products and services are generally sold based upon purchase orders or preferential service agreements with the customer that include fixed or determinable prices. Parts sales are recognized when control transfers to the customer, generally when title passes upon shipment to customers. Service revenue is recognized over time as the service is provided using measures of progress utilizing hours worked or costs incurred as a percentage of estimated hours or expected costs. Revenue from rental agreements is recognized on a straight-line basis over the rental period. The Company recognizes the revenues on contract manufacturing activities upon shipment and transfer of control to the customer. The transactions in the distribution and services segment are

typically invoiced as parts are shipped or upon the completion of the service job. Contract manufacturing activities are generally invoiced upon shipment and the Company will often get deposits from its customers prior to starting work, or progress payments during the project depending on the credit worthiness of the customer and the size of the project.

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Prior to the adoption of ASU 2014-09, distribution and services manufacturing and assembly projects revenue was reported on the percentage of completion method of accounting using measurements of progress towards completion appropriate for the work performed. Upon the adoption of ASU 2014-09 on January 1, 2018, the Company recognizes the revenues on contract manufacturing activities upon shipment and transfer of control versus the percentage of completion method.

Contract Assets and Liabilities. Contract liabilities represent advance consideration received from customers, and are recognized as revenue over time as the related performance obligation is satisfied. The amount of revenue recognized in the 2018 first six months that was included in the opening contract liability balance was \$36,591,000. The Company has recognized all contract liabilities within the deferred revenues financial statement caption on the balance sheet. The Company expects to recognize revenue of \$57,977,000 in the 2018 second half and \$3,188,000 in 2019 related to deferred revenue as of June 30, 2018. The Company did not have any contract assets at June 30, 2018 or December 31, 2017.

Performance Obligations. The Company applies the practical expedient in ASC 606-10-50-14(a) and does not disclose information about remaining performance obligations that have original expected durations of one year or less.

(4) ACQUISITIONS

On May 10, 2018, the Company completed the purchase of Targa Resources Corp.'s ("Targa") inland tank barge business from a subsidiary of Targa for \$69,250,000 in cash. Targa's inland tank barge fleet consisted of 16 pressure barges with a total capacity of 258,000 barrels, many of which were under multi-year contracts that the Company assumed from Targa. The 16 tank barges transport petrochemicals on the Mississippi River System and the Gulf Intracoastal Waterway. As a result of the acquisition, the Company recorded \$16,116,000 of goodwill and \$11,000,000 of intangibles with an average amortization period of 15 years. The Company expects all of the goodwill to be deductible for tax purposes.

On March 15, 2018, the Company purchased two inland pressure tank barges from a competitor for \$10,400,000 in cash. The average age of the two tank barges was five years.

On February 14, 2018, the Company completed the acquisition of Higman Marine, Inc. and its affiliated companies ("Higman") for \$421,922,000 in cash, subject to certain post-closing adjustments. Higman's fleet consisted of 163 inland tank barges, including two barges to be leased upon completion of their construction in 2018, with 4.8 million barrels of capacity, and 75 inland towboats, transporting petrochemicals, black oil, including crude oil and natural gas condensate, and refined petroleum products on the Mississippi River System and the Gulf Intracoastal Waterway. The average age of the inland tank barges was approximately seven years and the inland towboats had an average age of approximately eight years. Financing of the acquisition was through the issuance of \$500,000,000 of 4.2% senior unsecured notes due March 1, 2028 (the "2028 Notes"). The 2028 Notes were issued on February 12, 2018 in preparation for closing of the acquisition.

The Company considers Higman to be a natural extension of the current marine transportation segment, expanding the capabilities of the Company's inland based marine transportation business and lowering the average age of its inland tank barge and towboat fleet.

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The fair values of the assets acquired and liabilities assumed recorded at the acquisition date were as follows (in thousands):

Assets:	
Cash	\$2,313
Accounts receivable	27,527
Prepaid expenses and other current assets	5,323
Property and equipment	497,503
Goodwill	9,873
Other assets	31
Total assets	\$542,570

Liabilities:	
Accounts payable	17,012
Accrued liabilities	14,128
Deferred income taxes	42,392
Other long-term liabilities	47,116
Total liabilities	\$120,648
Net assets acquired	\$421,922

The analysis of the Higman fair values is substantially complete but all fair values have not been finalized pending obtaining the information necessary to complete the analysis. As additional information becomes known concerning the assets acquired and liabilities assumed, the Company may make adjustments to the opening balance sheet of Higman up to a one year period following the acquisition date.

As a result of the acquisition, the Company recorded \$9,873,000 of goodwill of which the majority will be deductible for tax purposes. The Company also incurred \$11,100,000 of intangible liabilities related to unfavorable contracts with a weighted average amortization period of approximately 4.9 years. Acquisition related costs of \$3,261,000, consisting primarily of legal, audit and other professional fees plus other expenses, were expensed as incurred to selling, general and administrative expense in the 2018 first six months.

Pro forma results of the acquisitions made in the 2018 first six months have not been presented as the pro forma revenues, earnings before taxes on income, net earnings and net earnings per share would not be materially different from the Company's actual results.

(5) INVENTORIES

The following table presents the details of inventories as of June 30, 2018 and December 31, 2017 (in thousands):

	June 30, 2018	December 31, 2017
Finished goods	\$301,976	\$ 242,333
Work in process	82,031	73,396
	\$384,007	\$ 315,729

(6) FAIR VALUE MEASUREMENTS

The estimated fair value of total debt outstanding at June 30, 2018 and December 31, 2017 was \$1,432,646,000 and \$984,017,000, respectively, which differs from the carrying amounts of \$1,442,530,000 and \$992,406,000, respectively, included in the consolidated financial statements. The fair value was determined using an income

approach that relies on inputs such as yield curves. Cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities have carrying values that approximate fair value due to the short-term maturity of these financial instruments.

Certain assets are measured at fair value on a nonrecurring basis. These assets are adjusted to fair value when there is evidence of impairment. During the 2017 fourth quarter, the Company reduced certain vessels to fair value due to its decision to put certain older out-of-service vessels up for sale in its marine transportation segment. The fair value of these vessels is \$8,800,000 and \$12,550,000 at June 30, 2018 and December 31, 2017, respectively, and is presented in prepaid expenses and other current assets.

(7) LONG-TERM DEBT

On February 12, 2018, the Company issued \$500,000,000 of 4.2% senior unsecured notes due March 1, 2028 with U.S. Bank National Association, as trustee. Interest payments of \$10,500,000 are due semi-annually on March 1 and September 1 of each year, with the exception of the first payment on September 1, 2018, which will be \$11,550,000. The Company received cash proceeds of \$495,032,000, net of the original issue discount of \$705,000 and debt issuance costs of \$4,263,000. The 2028 Notes are unsecured and rank equally in right of payment with the Company's other unsecured senior indebtedness. The 2028 Notes contain certain covenants on the part of the Company, including covenants relating to liens, sale-leasebacks, asset sales and mergers, among others. The 2028 Notes also specify certain events of default, upon the occurrence of which the maturity of the notes may be accelerated, including failure to pay principal and interest, violation of covenants or default on other indebtedness, among others. The Company used the proceeds from the issuance of the 2028 Notes to fund the acquisition of Higman. The remaining net proceeds of the sale of the 2028 Notes were used for the repayment of indebtedness under the Company's bank credit facilities.

(8) STOCK AWARD PLANS

The Company has share-based compensation plans which are described below. The compensation cost that has been charged against earnings for the Company's stock award plans and the income tax benefit recognized in the statement of earnings for stock awards for the three months and six months ended June 30, 2018 and 2017 were as follows (in thousands):

	Three months ended		Six months ended	
	June 30,		June 30,	
	2018	2017	2018	2017
Compensation cost	\$ 6,000	\$ 3,231	\$ 13,551	\$ 5,924
Income tax benefit	\$ 2,278	\$ 1,271	\$ 4,038	\$ 2,152

The Company has an employee stock award plan for selected officers and other key employees which provides for the issuance of stock options, restricted stock awards and performance awards. On February 19, 2018, the employee stock award plan was amended to also allow for the granting of restricted stock units ("RSUs") to selected officers and other key employees. The amendment included a provision for the continued vesting of unvested stock options and RSUs for employees who meet certain years of service and age requirements at the time of their retirement. The vesting change resulted in shorter expense accrual periods on stock options and RSUs granted after February 19, 2018 to employees who are nearing retirement and meet the service and age requirements.

The exercise price for each option equals the fair market value per share of the Company's common stock on the date of grant. Substantially all stock options outstanding under the plan have terms of seven years and vest ratably over three years. No performance awards payable in stock have been awarded under the plan. At June 30, 2018, 1,571,749 shares were available for future grants under the employee plan and no outstanding stock options under the employee plan were issued with stock appreciation rights.

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The following is a summary of the stock option activity under the employee plan described above for the six months ended June 30, 2018:

	Outstanding Non- Qualified or Nonincentive Stock Awards	Weighted Average Exercise Price
Outstanding at December 31, 2017	654,655	\$ 66.45
Granted	115,797	\$ 75.50
Exercised	(279,718)	\$ 61.73
Forfeited	(21,864)	\$ 102.42
Outstanding at June 30, 2018	468,870	\$ 69.82

The following table summarizes information about the Company's outstanding and exercisable stock options under the employee plan at June 30, 2018:

Range of Exercise Prices	Options Outstanding			Options Exercisable			
	Number Outstanding	Weighted Average Remaining Contractual Life in Years	Weighted Average Exercise Price	Aggregate Intrinsic Value	Number Exercisable	Weighted Average Exercise Price	Aggregate Intrinsic Value
\$51.23	90,975	4.6	\$ 51.23		57,438	\$ 51.23	
\$64.65 - \$68.50	129,430	5.1	\$ 67.18		43,905	\$ 67.27	
\$70.65 - \$75.50	208,154	5.0	\$ 74.54		92,357	\$ 73.33	
\$93.64 - \$101.46	40,311	2.6	\$ 95.90		40,311	\$ 95.90	
\$51.23 - \$101.46	468,870	4.7	\$ 69.82	\$6,956,000	234,011	\$ 70.66	\$3,525,000

The following is a summary of the restricted stock award activity under the employee plan described above for the six months ended June 30, 2018:

	Unvested Restricted Stock Award Shares	Weighted Average Grant Date Fair Value Per Share
Nonvested balance at December 31, 2017	364,121	\$ 65.84
Vested	(143,923)	\$ 72.68
Forfeited	(3,016)	\$ 64.45
Nonvested balance at June 30, 2018	217,182	\$ 64.73

The following is a summary of RSU activity under the employee plan described above for the six months ended June 30, 2018:

	Unvested RSUs	Weighted Average Grant Date Fair Value
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		Per Unit
Nonvested balance at December 31, 2017	—	\$ —
Granted	143,890	\$ 75.59
Forfeited	(1,260)	\$ 75.50
Nonvested balance at June 30, 2018	142,630	\$ 75.59

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The Company has a stock award plan for nonemployee directors of the Company which provides for the issuance of stock options and restricted stock. The director plan provides for automatic grants of restricted stock to nonemployee directors after each annual meeting of stockholders. In addition, the director plan allows for the issuance of stock options or restricted stock in lieu of cash for all or part of the annual director fee at the option of the director. The exercise prices for all options granted under the plan are equal to the fair market value per share of the Company's common stock on the date of grant. The terms of the options are ten years. The restricted stock issued after each annual meeting of stockholders vests six months after the date of grant. Options granted and restricted stock issued in lieu of cash director fees vest in equal quarterly increments during the year to which they relate. At June 30, 2018, 468,058 shares were available for future grants under the director plan. The director stock award plan is intended as an incentive to attract and retain qualified independent directors.

The following is a summary of the stock option activity under the director plan described above for the six months ended June 30, 2018:

	Outstanding Non- Qualified or Nonincentive Stock Options	Weighted Average Exercise Price
Outstanding at December 31, 2017	157,617	\$ 67.54
Granted	2,640	\$ 85.30
Exercised	(29,153)	\$ 57.47
Outstanding at June 30, 2018	131,104	\$ 70.14

The following table summarizes information about the Company's outstanding and exercisable stock options under the director plan at June 30, 2018:

Range of Exercise Prices	Options Outstanding			Options Exercisable			
	Number Outstanding	Weighted Average Remaining Contractual Life in Years	Weighted Average Exercise Price	Aggregate Intrinsic Value	Number Exercisable	Weighted Average Exercise Price	Aggregate Intrinsic Value
\$29.60	6,000	0.8	\$ 29.60		6,000	\$ 29.60	
\$41.24 – \$56.45	31,276	2.4	\$ 50.61		31,276	\$ 50.61	
\$61.89 – \$62.48	28,000	4.1	\$ 62.27		28,000	\$ 62.27	
\$70.65 – \$99.52	65,828	5.7	\$ 86.45		63,848	\$ 86.49	
\$29.60 – \$99.52	131,104	4.3	\$ 70.14	\$2,247,000	129,124	\$ 69.90	\$2,247,000

The following is a summary of the restricted stock award activity under the director plan described above for the six months ended June 30, 2018:

	Unvested Restricted Stock Award Shares	Weighted Average Grant Date Fair Value Per Share
Nonvested balance at December 31, 2017	319	\$ 70.65

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Granted	21,373	\$ 85.70
Vested	(583)	\$ 77.28
Nonvested balance at June 30, 2018	21,109	\$ 85.71

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The total intrinsic value of all stock options exercised under all of the Company's plans was \$6,623,000 and \$1,530,000 for the six months ended June 30, 2018 and 2017, respectively. The actual tax benefit realized for tax deductions from stock option exercises was \$1,974,000 and \$555,000 for the six months ended June 30, 2018 and 2017, respectively.

The total intrinsic value of all the restricted stock vestings under all of the Company's plans was \$11,406,000 and \$7,015,000 for the six months ended June 30, 2018 and 2017, respectively. The actual tax benefit realized for tax deductions from restricted stock vestings was \$3,399,000 and \$2,546,000 for the six months ended June 30, 2018 and 2017, respectively.

There were no RSU vestings for the six months ended June 30, 2018.

As of June 30, 2018, there was \$3,245,000 of unrecognized compensation cost related to nonvested stock options, \$12,484,000 related to nonvested restricted stock awards and \$6,786,000 related to nonvested RSUs. The stock options are expected to be recognized over a weighted average period of approximately 2.0 years, restricted stock awards over approximately 2.5 years and RSUs over approximately 4.4 years. The total fair value of options vested was \$3,143,000 and \$2,492,000 during the six months ended June 30, 2018 and 2017, respectively. The fair value of the restricted stock vested was \$11,406,000 and \$7,015,000 for the six months ended June 30, 2018 and 2017, respectively.

The weighted average per share fair value of stock options granted during the six months ended June 30, 2018 and 2017 was \$23.53 and \$20.73, respectively. The fair value of the stock options granted during the six months ended June 30, 2018 and 2017 was \$2,787,000 and \$2,594,000, respectively. The Company currently uses treasury stock shares for restricted stock grants and stock option exercises. The fair value of each stock option was determined using the Black-Scholes option pricing model. The key input variables used in valuing the options during the six months ended June 30, 2018 and 2017 were as follows:

	Six months ended June 30,			
	2018		2017	
Dividend yield	None		None	
Average risk-free interest rate	2.7	%	2.0	%
Stock price volatility	27	%	27	%
Estimated option term	Six years		Six years	

(9) OTHER COMPREHENSIVE INCOME

The Company's changes in other comprehensive income for the three months and six months ended June 30, 2018 and 2017 were as follows (in thousands):

	Three months ended June 30,					
	2018			2017		
	Income Tax			Income Tax		
	Gross	(Provision)	Net Amount	Gross	(Provision)	Net Amount
	Amount	Benefit		Amount	Benefit	
Pension and postretirement benefits (a):						
Amortization of net actuarial loss	\$ 591	\$ (143)) \$ 448	\$ 908	\$ (347)) \$ 561
Actuarial gains (losses)	(609)	148	(461)	22,014	(8,435)	13,579
Foreign currency translation	(429)	—	(429)	—	—	—
Total	\$ (447)	\$ 5	\$ (442)	\$ 22,922	\$ (8,782)	\$ 14,140

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	Six months ended June 30, 2018			2017		
	Income Tax		Net Amount	Income Tax		Net Amount
	Gross Amount	(Provision) Benefit		Gross Amount	(Provision) Benefit	
Pension and postretirement benefits (a):						
Amortization of net actuarial loss	\$1,159	\$ (281)	\$ 878	\$2,117	\$ (810)	\$ 1,307
Actuarial gains (losses)	(609)	148	(461)	22,014	(8,435)	13,579
Adoption of ASU 2018-02 – reclassification to retained earnings	—	(7,925)	(7,925)	—	—	—
Foreign currency translation	(9)	—	(9)	—	—	—
Total	\$541	\$ (8,058)	\$ (7,517)	\$24,131	\$ (9,245)	\$ 14,886

(a) Actuarial gains/(losses) are amortized into other income (expense). (See Note 13 – Retirement Plans)

(10) SEGMENT DATA

The Company's operations are aggregated into two reportable business segments as follows:

Marine Transportation — Provides marine transportation principally by United States flag vessels of liquid cargoes throughout the United States inland waterway system, along all three United States coasts, in Alaska and Hawaii and, to a lesser extent, in United States coastal transportation of dry-bulk cargoes. The principal products transported include petrochemicals, black oil, refined petroleum products and agricultural chemicals.

Distribution and Services — Provides after-market services and parts for engines, transmissions, reduction gears and related equipment used in oilfield service, marine, power generation, mining, on-highway, and other industrial applications. The Company also rents equipment including generators, fork lifts, pumps and compressors for use in a variety of industrial markets, and manufactures and remanufactures oilfield service equipment, including pressure pumping units, for the oilfield service and oil and gas operator and producer markets.

The Company's two reportable business segments are managed separately based on fundamental differences in their operations. The Company evaluates the performance of its segments based on the contributions to operating income of the respective segments, and before income taxes, interest, gains or losses on disposition of assets, other nonoperating income, noncontrolling interests, accounting changes, and nonrecurring items. Intersegment revenues, based on market-based pricing, of the distribution and services segment from the marine transportation segment of \$7,770,000 and \$15,920,000 for the three months and six months ended June 30, 2018, respectively, and \$4,945,000 and \$10,375,000 for the three months and six months ended June 30, 2017, respectively, have been eliminated from the tables below. The related intersegment profit of \$777,000 and \$1,592,000 for the three months and six months ending June 30, 2018, respectively, and \$494,000 and \$1,037,000 for the three months and six months ending June 30, 2017, respectively, have also been eliminated from the tables below.

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The following table sets forth the Company's revenues and profit or loss by reportable segment for the three months and six months ended June 30, 2018 and 2017 and total assets as of June 30, 2018 and December 31, 2017 (in thousands):

	Three months ended		Six months ended	
	June 30, 2018	2017	June 30, 2018	2017
Revenues:				
Marine transportation	\$378,163	\$331,265	\$718,566	\$674,917
Distribution and services	424,508	142,063	825,793	290,116
	\$802,671	\$473,328	\$1,544,359	\$965,033
Segment profit (loss):				
Marine transportation	\$38,228	\$35,575	\$54,408	\$71,343
Distribution and services	40,190	16,331	77,155	30,036
Other	(33,564)	(8,891)	(44,178)	(17,366)
	\$44,854	\$43,015	\$87,385	\$84,013
Total assets:				
Marine transportation	\$4,173,730	\$ 3,485,099		
Distribution and services	1,593,009	1,567,085		
Other	62,537	75,243		
	\$5,829,276	\$ 5,127,427		

The following table presents the details of "Other" segment loss for the three months and six months ended June 30, 2018 and 2017 (in thousands):

	Three months ended		Six months ended	
	June 30, 2018	2017	June 30, 2018	2017
General corporate expenses	\$(23,007)	\$(4,515)	\$(27,330)	\$(8,043)
Gain (loss) on disposition of assets	442	(139)	2,340	(40)
Interest expense	(12,540)	(4,465)	(22,320)	(8,922)
Other income (expense)	1,541	228	3,132	(361)
	\$(33,564)	\$(8,891)	\$(44,178)	\$(17,366)

General corporate expenses for the three months and six months ended June 30, 2018 include \$18,057,000 of one-time non-deductible expense related to the retirement of the Company's executive Chairman of the Board of Directors, effective April 30, 2018. He will continue to serve as Chairman of the Board in a non-executive role.

The following table presents the details of "Other" total assets as of June 30, 2018 and December 31, 2017 (in thousands):

	June 30, 2018	December 31, 2017
General corporate assets	\$60,406	\$ 73,353
Investment in affiliates	2,131	1,890
	\$62,537	\$ 75,243

(11) TAXES ON INCOME

Earnings before taxes on income and details of the provision for taxes on income for the three months and six months ended June 30, 2018 and 2017 were as follows (in thousands):

	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
Earnings (loss) before taxes on income:				
United States	\$ 45,982	\$ 43,015	\$ 89,526	\$ 84,013
Foreign	(1,128)	—	(2,141)	—
	\$ 44,854	\$ 43,015	\$ 87,385	\$ 84,013
Provision for taxes on income:				
Federal:				
Current	\$ —	\$ 6,054	\$ —	\$ 9,988
Deferred	14,384	10,089	22,893	18,651
State and local:				
Current	1,599	900	2,406	1,757
Deferred	151	—	488	—
Foreign - current	(73)	—	139	—
	\$ 16,061	\$ 17,043	\$ 25,926	\$ 30,396

(12) EARNINGS PER SHARE

The following table presents the components of basic and diluted earnings per share for the three months and six months ended June 30, 2018 and 2017 (in thousands, except per share amounts):

	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
Net earnings attributable to Kirby	\$ 28,602	\$ 25,778	\$ 61,073	\$ 53,261
Undistributed earnings allocated to restricted shares	(116)	(196)	(269)	(386)
Income available to Kirby common stockholders - basic	28,486	25,582	60,804	52,875
Undistributed earnings allocated to restricted shares	116	196	269	386
Undistributed earnings reallocated to restricted shares	(115)	(196)	(269)	(386)
Income available to Kirby common stockholders - diluted	\$ 28,487	\$ 25,582	\$ 60,804	\$ 52,875
Shares outstanding:				
Weighted average common stock issued and outstanding	59,790	53,996	59,735	53,955
Weighted average unvested restricted stock	(242)	(410)	(263)	(391)
Weighted average common stock outstanding - basic	59,548	53,586	59,472	53,564
Dilutive effect of stock options and restricted stock units	172	59	137	63
Weighted average common stock outstanding - diluted	59,720	53,645	59,609	53,627
Net earnings per share attributable to Kirby common stockholders:				
Basic	\$ 0.48	\$ 0.48	\$ 1.02	\$ 0.99
Diluted	\$ 0.48	\$ 0.48	\$ 1.02	\$ 0.99

Certain outstanding options to purchase approximately 189,000 and 478,000 shares of common stock were excluded in the computation of diluted earnings per share as of June 30, 2018 and 2017, respectively, as such stock options would have been antidilutive.

(13) RETIREMENT PLANS

The Company sponsors a defined benefit plan for its inland vessel personnel and shore based tankermen. The plan benefits are based on an employee's years of service and compensation. The plan assets consist primarily of equity and fixed income securities.

On April 12, 2017, the Company amended its pension plan to cease all benefit accruals for periods after May 31, 2017 for certain participants. Participants grandfathered and not impacted were those, as of the close of business on May 31, 2017, who either (a) had completed 15 years of pension service or (b) had attained age 50 and completed 10 years of pension service. Participants non-grandfathered are eligible to receive discretionary 401(k) plan contributions. The Company did not incur any one-time charges related to this amendment but the pension plan's projected benefit obligation decreased by \$33,433,000.

The Company's pension plan funding strategy is to make annual contributions in amounts equal to or greater than amounts necessary to meet minimum government funding requirements. The plan's benefit obligations are based on a variety of demographic and economic assumptions, and the pension plan assets' returns are subject to various risks, including market and interest rate risk, making an accurate prediction of the pension plan contribution difficult. Based on current pension plan assets and market conditions, the Company does not expect to make a contribution to its pension plan during 2018.

On February 14, 2018, with the acquisition of Higman, the Company assumed Higman's pension plan for its inland vessel personnel and office staff. On March 27, 2018, the Company amended the Higman pension plan to close it to all new entrants and cease all benefit accruals for periods after May 15, 2018 for all participants. The Company did not incur any one-time charges related to this amendment but the Higman pension plan's projected benefit obligation decreased by \$3,692,000. The Company made a pension contribution to the Higman plan of \$6,717,000 in March 2018 to complete all required funding for the 2016 and 2017 years and make its 2018 first quarter contribution. The Company expects to make additional contributions to the Higman pension plan of approximately \$1,925,000 for the remainder of 2018 for the 2018 year.

The Company sponsors an unfunded defined benefit health care plan that provides limited postretirement medical benefits to employees who meet minimum age and service requirements, and to eligible dependents. The plan limits cost increases in the Company's contribution to 4% per year. The plan is contributory, with retiree contributions adjusted annually. The plan eliminated coverage for future retirees as of December 31, 2011. The Company also has an unfunded defined benefit supplemental executive retirement plan ("SERP") that was assumed in an acquisition in 1999. That plan ceased to accrue additional benefits effective January 1, 2000.

The components of net periodic benefit cost for the Company's defined benefit plans for the three months and six months ended June 30, 2018 and 2017 were as follows (in thousands):

	Pension Benefits			
	Pension Plan		SERP	
	Three months ended		Three months ended	
	June 30,	June 30,	June 30,	June 30,
Components of net periodic benefit cost:	2018	2017	2018	2017
Service cost	\$1,867	\$2,865	\$ —	\$ —
Interest cost	3,974	3,409	12	15
Expected return on plan assets	(5,693)	(4,568)	—	—
Amortization of actuarial loss	740	1,069	6	7
Net periodic benefit cost	\$888	\$2,775	\$ 18	\$ 22

	Pension Benefits			
	Pension Plan		SERP	
	Six months ended June 30,		Six months ended June 30,	
Components of net periodic benefit cost:	2018	2017	2018	2017
Service cost	\$4,094	\$7,192	\$ —	\$ —
Interest cost	7,605	7,089	24	29
Expected return on plan assets	(11,016)	(9,005)	—	—
Amortization of actuarial loss	1,445	2,438	12	14
Net periodic benefit cost	\$2,128	\$7,714	\$ 36	\$ 43

The components of net periodic benefit cost for the Company's postretirement benefit plan for the three months and six months ended June 30, 2018 and 2017 were as follows (in thousands):

	Other Postretirement Benefits		Other Postretirement Benefits	
	Postretirement Welfare Plan		Postretirement Welfare Plan	
	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
Components of net periodic benefit cost:				
Service cost	\$ —	\$ —	\$ —	\$ —
Interest cost	6	7	12	14
Amortization of actuarial gain	(149)	(168)	(298)	(335)
Net periodic benefit cost	\$ (143)	\$ (161)	\$ (286)	\$ (321)

(14) CONTINGENCIES

On October 13, 2016, the tug Nathan E. Stewart and barge DBL 55, an articulated tank barge and tugboat unit ("ATB"), ran aground at the entrance to Seaforth Channel on Atholone Island, British Columbia. The grounding resulted in a breach of a portion of the Nathan E. Stewart's fuel tanks causing a discharge of diesel fuel into the water. The USCG and the National Transportation Safety Board ("NTSB") designated the Company as a party of interest in their investigation as to the cause of the incident. The Canadian authorities including Transport Canada and the Canadian Transportation Safety Board investigated the cause of the incident. The Company is subject to potential claims from third parties as well as the provincial and federal government as a result of the incident. The Company has various insurance policies covering liabilities including pollution, property, marine and general liability and believes that it has satisfactory insurance coverage for the cost of cleanup and salvage operations as well as other potential liabilities arising from the incident. The Company believes it has accrued adequate reserves for the incident and does not expect the incident to have a material adverse effect on its business or financial condition.

On March 22, 2014, two tank barges and a towboat (the M/V Miss Susan), owned by Kirby Inland Marine, LP, a wholly owned subsidiary of the Company, were involved in a collision with the M/S Summer Wind on the Houston Ship Channel near Texas City, Texas. The lead tank barge was damaged in the collision resulting in a discharge of intermediate fuel oil from one of its cargo tanks. The USCG and the NTSB named the Company and the Captain of the M/V Miss Susan, as well as the owner and the pilot of the M/S Summer Wind, as parties of interest in their investigation as to the cause of the incident. Sea Galaxy Ltd is the owner of the M/S Summer Wind. The Company is participating in the natural resource damage assessment and restoration process with federal and state government natural resource trustees. The Company believes it has adequate insurance coverage for pollution, marine and other potential liabilities arising from the incident. The Company believes it has accrued adequate reserves for the incident and does not expect the incident to have a material adverse effect on its business or financial condition.

In addition, the Company is involved in various legal and other proceedings which are incidental to the conduct of its business, none of which in the opinion of management will have a material effect on the Company's financial condition, results of operations or cash flows. Management believes that it has recorded adequate reserves and believes that it has adequate insurance coverage or has meritorious defenses for these other claims and contingencies.

The Company has issued guaranties or obtained standby letters of credit and performance bonds supporting performance by the Company and its subsidiaries of contractual or contingent legal obligations of the Company and its subsidiaries incurred in the ordinary course of business. The aggregate notional value of these instruments is \$20,085,000 at June 30, 2018, including \$9,207,000 in letters of credit and \$10,878,000 in performance bonds. All of these instruments have an expiration date within three years. The Company does not believe demand for payment under these instruments is likely and expects no material cash outlays to occur in connection with these instruments.

Item 1A. Risk Factors

The Company continues to be subject to the risk factors previously disclosed in its "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2017.

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

Statements contained in this Form 10-Q that are not historical facts, including, but not limited to, any projections contained herein, are forward-looking statements and involve a number of risks and uncertainties. Such statements can be identified by the use of forward-looking terminology such as "may," "will," "expect," "anticipate," "estimate" or "continue," the negative thereof or other variations thereon or comparable terminology. The actual results of the future events described in such forward-looking statements in this Form 10-Q could differ materially from those stated in such forward-looking statements. Among the factors that could cause actual results to differ materially are: adverse economic conditions, industry competition and other competitive factors, adverse weather conditions such as high water, low water, tropical storms, hurricanes, tsunamis, fog and ice, and tornadoes, marine accidents, lock delays, fuel costs, interest rates, construction of new equipment by competitors, government and environmental laws and regulations, and the timing, magnitude and number of acquisitions made by the Company. For a more detailed discussion of factors that could cause actual results to differ from those presented in forward-looking statements, see Item 1A-Risk Factors found in the Company's Annual Report on Form 10-K for the year ended December 31, 2017. Forward-looking statements are based on currently available information and the Company assumes no obligation to update any such statements.

For purposes of the Management's Discussion, all net earnings per share attributable to Kirby common stockholders are "diluted earnings per share." The weighted average number of common shares applicable to diluted earnings per share for the three months and six months ended June 30, 2018 and 2017 were as follows (in thousands):

	Three months ended		Six months ended	
	June 30,		June 30,	
	2018	2017	2018	2017
Weighted average number of common stock - diluted	59,720	53,645	59,609	53,627

The increase in the weighted average number of common shares for the 2018 second quarter and first six months compared with the 2017 second quarter and first six months primarily reflected the issuance of 5,696,259 shares of common stock associated with the acquisition of Stewart & Stevenson LLC ("S&S") on September 13, 2017, and the issuance of restricted stock and the exercise of stock options.

Overview

The Company is the nation's largest domestic tank barge operator, transporting bulk liquid products throughout the Mississippi River System, on the Gulf Intracoastal Waterway, coastwise along all three United States coasts, and in Alaska and Hawaii. The Company transports petrochemicals, black oil, refined petroleum products and agricultural chemicals by tank barge. As of June 30, 2018, the Company operated a fleet of 990 inland tank barges with 21.7 million barrels of capacity, and operated an average of 286 inland towboats. The Company's coastal fleet consisted of 55 tank barges with 5.2 million barrels of capacity and 50 coastal tugboats. The Company also owns and operates five offshore dry-bulk cargo barges, five offshore tugboats and one docking tugboat transporting dry-bulk commodities in United States coastal trade. Through its distribution and services segment, the Company provides after-market service and parts for engines, transmissions, reduction gears, and related equipment used in oilfield services, marine, mining, power generation, on-highway, and other industrial applications. The Company also rents equipment including generators, fork lifts, pumps and compressors for use in a variety of industrial markets, and manufactures and remanufactures oilfield service equipment, including pressure pumping units, for the oilfield service and oil and gas operator and producer markets.

For the 2018 second quarter, net earnings attributable to Kirby were \$28,602,000, or \$0.48 per share, on revenues of \$802,671,000, compared with 2017 second quarter net earnings attributable to Kirby of \$25,778,000, or \$0.48 per share, on revenues of \$473,328,000. For the 2018 first six months, net earnings attributable to Kirby were \$61,073,000, or \$1.02 per share, on revenues of \$1,544,359,000, compared with 2017 first six months net earnings attributable to Kirby of \$53,261,000, or \$0.99 per share, on revenues of \$965,033,000. The 2018 second quarter and first six months results included a one-time non-deductible expense of \$18,057,000, or \$0.30 per share, related to the retirement of Joseph H. Pyne as executive Chairman of the Board of Directors, effective April 30, 2018, and reflected the acquisition of Targa on May 10, 2018 and the integration of Higman, acquired on February 14, 2018. The 2018 first quarter included \$3,261,000 before taxes, or \$0.04 per share, of one-time transaction costs associated with the Higman acquisition, as well as \$2,912,000 before taxes, or \$0.04 per share, of severance and retirement expenses, primarily related to cost reduction initiatives in the coastal marine transportation market and the integration of Higman. In addition, the 2018 first quarter included \$3,938,000 before taxes, or \$0.05 per share, of non-cash expenses related to an amendment to the employee stock award plan. The result of the amendment is shorter expense accrual periods on stock options and RSUs granted after February 19, 2018 to employees who are nearing retirement and meet certain years of service and age requirements. The 2017 second quarter and first six months results include pre-tax expenses of \$707,000, or \$0.01 per share, related to the acquisition of S&S.

Marine Transportation

For the 2018 second quarter and first six months, the Company's marine transportation segment generated 47% of the Company's revenue. The segment's customers include many of the major petrochemical and refining companies that operate in the United States. Products transported include intermediate materials used to produce many of the end products used widely by businesses and consumers — plastics, fiber, paints, detergents, oil additives and paper, among others, as well as residual fuel oil, ship bunkers, asphalt, gasoline, diesel fuel, heating oil, crude oil, natural gas condensate and agricultural chemicals. Consequently, the Company's marine transportation business is directly affected by the volumes produced by the Company's petroleum, petrochemical and refining customer base.

The Company's marine transportation segment's revenues for the 2018 second quarter and first six months increased 14% and 6%, respectively, when compared with the 2017 second quarter and first six months revenues. The increases were primarily due to the addition of the Higman inland tank barges acquired on February 14, 2018 and the Targa pressure barges acquired on May 10, 2018, and improved barge utilization in the inland market. Partially offsetting these increases were lower term and spot contract pricing in the coastal market, weaker average term contract pricing in the inland market, poor seasonal weather conditions in the 2018 first quarter and April, fewer coastal tank barges with the impairment and retirement of 12 coastal tank barges in the 2017 fourth quarter, and an increase in the number of coastal vessels operating in the spot market which led to increased idle time and decreased revenues. The segment's operating income for the 2018 second quarter increased 7% compared with the 2017 second quarter due to improved barge utilization in the inland market and reduced coastal costs, partially offset by lower term and spot contract pricing in the coastal market and weaker average term contract pricing in the inland market. The segment's operating income decreased 24% for the 2018 first six months compared with the 2017 first six months primarily due to lower coastal term and spot contract pricing, weaker average inland term contract pricing, poor seasonal weather conditions in the 2018 first quarter and April and more coastal equipment operating in the spot market which adds increased idle time and voyage costs. The 2018 first six months were also impacted by the Higman transaction costs, severance and retirement costs, and the amendment to the employee stock award plan; all of which were incurred in the 2018 first quarter and are discussed above. For the 2018 and 2017 second quarters, the inland tank barge fleet contributed 76% and 68%, respectively, and the coastal fleet contributed 24% and 32%, respectively, of marine transportation revenues. For the 2018 and 2017 first six months, the inland tank barge fleet contributed 75% and 68%, respectively, and the coastal fleet contributed 25% and 32%, respectively, of marine transportation revenues.

Tank barge utilization levels of the Company's inland marine transportation markets were in the high 80% to low 90% range during the 2018 second quarter compared with the mid-90% level during the 2018 first quarter and mid-to-high 80% range during the 2017 second quarter. Operating conditions were adversely impacted by high water conditions on the Mississippi River early in the 2018 second quarter, resulting in increased delay days relative to the 2017 second quarter. However, weather conditions improved in May and June, enhancing operating efficiency but driving seasonally lower utilization compared to the 2018 first quarter. Demand for tank barges moving petrochemicals and agricultural chemicals was stable, while demand for black oil and refined products was higher compared to demand in the 2017 first six months.

Coastal tank barge utilization levels were in the 80% range during the 2018 second quarter compared with the high 70% range during the 2018 first quarter and high 60% to mid-70% range during the 2017 second quarter. The improvement in utilization in 2018 primarily reflected the impairment and retirement of 12 out-of-service coastal barges during the 2017 fourth quarter. Utilization in the coastal marine fleet continued to be impacted by the oversupply of tank barges in the coastal industry. Demand for the coastal transportation of petrochemicals was stable, while demand for the transportation of black oil and refined products was lower compared with the 2017 first six months.

During the 2018 first and second quarters, approximately 70% and 65%, respectively, of marine transportation inland revenues were under term contracts and 30% and 35%, respectively, were spot contract revenues. For the 2017 second quarter and first six months, approximately 75% of inland revenues were under term contracts and 25% were spot contract revenues. Inland time charters during the 2018 second quarter and first six months represented 62% and 60%, respectively, of the revenues under term contracts compared with 48% in the 2017 second quarter and first six months. Rates on inland term contracts renewed in the 2018 first quarter decreased in the 4% to 6% average range compared with term contracts renewed in the first quarter of 2017. Rates on inland term contracts renewed in the 2018 second quarter increased in the 1% to 3% average range compared with term contracts renewed in the second quarter of 2017. Spot contract rates, which include the cost of fuel, increased in the 10% to 15% range for the 2018 second quarter and first six months, compared with both the 2017 second quarter and first six months. Effective January 1, 2018, annual escalators for labor and the producer price index on a number of inland multi-year contracts resulted in rate increases on those contracts of approximately 1.0%, excluding fuel.

During the 2018 and 2017 second quarters and first six months, approximately 80% of the coastal revenues were under term contracts and 20% were spot contract revenues. Coastal time charters represented approximately 85% of coastal revenues under term contracts during the 2018 and 2017 second quarters and first six months. Term and spot contract pricing for the 2018 second quarter was stable compared with pricing for the 2018 first quarter. However, compared with the 2017 second quarter and first six months, both term and spot market pricing declined in the 10% to 15% range, contingent on various factors including geographic location, vessel capacity, vessel type and product serviced.

The marine transportation operating margin was 10.1% for the 2018 second quarter compared with 10.7% for the 2017 second quarter and 7.6% for the 2018 first six months compared with 10.6% for the 2017 first six months.

Distribution and Services

For the 2018 second quarter and first six months, the distribution and services segment generated 53% of the Company's revenue. For the 2018 second quarter and first six months, 36% and 32% of the distribution and services segment revenue was generated from manufacturing, 33% and 35% from overhauls and service and 31% and 33% from direct parts sales, respectively. The results of the distribution and services segment are largely influenced by the economic cycles of the oilfield service and oil and gas operator and producer markets, marine, mining, power generation, on-highway and other industrial markets.

Distribution and services revenues for the 2018 second quarter and first six months increased 199% and 185%, respectively, when compared with the second quarter and first six months of 2017. Operating income for the 2018 second quarter and first six months increased 146% and 157%, respectively, when compared with the second quarter and first six months of 2017. The higher revenues and operating income were primarily attributable to the acquisition of S&S, completed on September 13, 2017, as well as accelerated demand in the oil and gas market for the remanufacture of pressure pumping units and transmission overhauls, the manufacturing of oilfield service equipment, including pressure pumping units, the sale and distribution of engines, transmissions and related parts, and improving market conditions in the commercial marine diesel engine repair business. For the 2018 second quarter and first six months, the oil and gas market contributed 72% and 70%, respectively, of the distribution and services revenues. However, the strong demand challenged the Company's vendor supply chain, creating delays for the delivery of new engines, transmissions and parts required for the completion of both new and remanufactured oilfield service equipment, including pressure pumping units, and impacted the recognition of revenue. In the commercial and industrial market, which contributed 28% and 30% of the distribution and services revenues for the 2018 second quarter and first six months, respectively, the marine sector experienced higher service levels for medium-speed diesel engine overhauls and related parts sales throughout the 2018 first six months. The power generation sector saw increased demand from commercial customers for specialty rental units and back-up power systems in the 2018 second quarter in anticipation of summer storms after the seasonal decline in the rental of stand-by power generators in the 2018 first quarter. Demand in the nuclear power generation market was stable compared to the 2017 second quarter and first six months.

The distribution and services segment operating margin for the 2018 second quarter was 9.5% compared with 11.5% for the 2017 second quarter. For the 2018 first six months, the operating margin was 9.3% compared with 10.4% for the first six months of 2017.

Cash Flow and Capital Expenditures

Net cash provided by operating activities for the 2018 first six months was \$153,755,000 compared with \$193,795,000 for the 2017 first six months, a 21% decrease, primarily due to a \$63,484,000 net decrease in cash flows resulting from changes in operating assets and liabilities for the 2018 first six months, partially offset by a \$13,247,000 increase in depreciation and amortization expense, a \$7,627,000 increase in unearned compensation expense, a \$4,730,000 increase in deferred income taxes and a \$7,842,000 increase in net earnings. The net decrease in cash flows from the change in operating assets and liabilities was primarily due to an increase in trade receivables from strong revenues and increased billings in the distribution and services segment and higher inventories in the distribution and services oil and gas market during the 2018 first six months, primarily to support the increased business activity levels. In addition, during the 2018 and 2017 first six months, the Company generated cash of \$25,208,000 and \$27,966,000, respectively, from proceeds from the disposition of assets, and \$12,987,000 and \$1,838,000, respectively, from proceeds from the exercise of stock options.

For the 2018 first six months, cash generated and borrowings under the Company's revolving credit facility were used for capital expenditures of \$152,911,000, including \$11,069,000 for inland tank barge and towboat construction, \$16,507,000 for progress payments on six 5000 horsepower coastal ATB tugboats, \$50,073,000 for a 155,000 barrel coastal ATB under construction purchased from a competitor that is scheduled to be delivered in the 2018 third quarter, \$75,262,000 primarily for upgrading existing marine equipment and marine transportation and distribution and services facilities, and \$499,227,000 for acquisitions of businesses and marine equipment.

The Company's debt-to-capitalization ratio increased to 31.2% at June 30, 2018 from 24.2% at December 31, 2017, primarily due to borrowings under the 2028 Notes to purchase Higman in the 2018 first quarter and borrowings under the Company's revolving credit facility for the Targa acquisition and the purchase of the 155,000 barrel coastal ATB under construction in the 2018 second quarter, less the increase in total equity from net earnings attributable to Kirby for the 2018 first six months of \$61,073,000 and the exercise of stock options and the amortization of unearned equity compensation. As of June 30, 2018, the Company had \$444,098,000 outstanding under its Revolving Credit Facility, \$6,247,000 outstanding under its Credit Line, \$500,000,000 of senior notes outstanding and \$500,000,000 of the 2028 Notes outstanding, offset by \$7,832,000 in unamortized debt discount and issuance costs.

During the 2018 first six months, the Company took delivery of one new inland tank barge with a capacity of approximately 29,000 barrels, acquired 161 inland tank barges with the Higman acquisition with a total capacity of approximately 4,714,000 barrels, acquired 16 pressure barges with the Targa acquisition with a total capacity of approximately 258,000 barrels, acquired two inland tank barges with a total capacity of approximately 35,000 barrels, took delivery of a new inland tank barge with a capacity of 26,000 barrels, which is being leased, and retired 32 inland tank barges, reducing its capacity by approximately 595,000 barrels. The net result was an increase of 149 inland tank barges and approximately 4,467,000 barrels of capacity during the first six months of 2018.

The Company projects that capital expenditures for 2018 will be in the \$265,000,000 to \$290,000,000 range. The 2018 construction program will consist of one 30,000 barrel inland tank barge, progress payments on the construction of 15 inland towboats, five of which will be placed in service in 2018 and the remaining ten in 2019 and 2020, progress payments on the construction of six 5000 horsepower coastal ATB tugboats, three of which will be placed in service in 2018 and three in 2019, and total payments on a 155,000 barrel coastal ATB under construction that is scheduled to be delivered in the 2018 third quarter. Based on current commitments, steel prices and projected delivery schedules, the Company's 2018 payments on the new inland tank barge and towboats will be approximately \$30,000,000, 2018 progress payments on the construction of the six 5000 horsepower coastal ATB tugboats will be approximately \$35,000,000 and total payments on the 155,000 barrel coastal ATB will be \$65,000,000. Approximately \$125,000,000 to \$145,000,000 is primarily capital upgrades and improvements to existing marine equipment and facilities. The balance of \$10,000,000 to \$15,000,000 will be for rental fleet growth, new machinery and equipment, and facilities improvements in the distribution and services segment.

Outlook

Reduced crude oil volumes to be moved by tank barge due to a decline in oil prices, a decline in domestic drilling and additional pipeline capacity, coupled with the large number of inland tank barges built during 2015 and 2016, and coastal tank barges built during 2016 and 2017, many of which were originally built for the movement of crude oil and natural gas condensate, resulted in excess industry-wide tank barge capacity and lower equipment utilization for both the inland and coastal marine transportation markets. This extra capacity placed inland and coastal tank barge utilization and rates under pressure throughout 2016, 2017 and the first half of 2018.

However, with continued industry-wide inland tank barge retirements, minimal new inland tank barge construction and higher customer demand, the result of increased production from current facilities, plant expansions and the opening of new facilities, inland utilization is anticipated to be in the low to mid-90% range for the 2018 second half. With utilization in the inland market in the high 80% to low 90% range during the 2018 second quarter and the mid-90% level during the 2018 first quarter, which led to improved spot contract pricing during the 2018 first half and improved term contract pricing during the 2018 second quarter, the Company anticipates a modest mid-single digit pricing improvement on term contracts renewed in the 2018 second half.

As of June 30, 2018, the Company estimated there were approximately 3,800 inland tank barges in the industry fleet, of which approximately 400 were over 30 years old and approximately 250 of those over 40 years old. Given the age profile of the industry inland tank barge fleet, the expectation is that many older tank barges will be removed from service during 2018. The Company estimates that approximately 65 tank barges were ordered during 2017 and 2018 for delivery throughout 2018, three of which are for the Company, and many older tank barges, including an expected 38 by the Company, will be retired, dependent on 2018 market conditions. Historically, 75 to 150 older inland tank barges are retired from service each year industry-wide, with the extent of the retirements dependent on petrochemical and refinery production levels, and crude oil and natural gas condensate movements, both of which can have a direct effect on industry-wide tank barge utilization, as well as term and spot contract rates.

In the coastal marine transportation market, a decline in crude oil and natural gas condensate transportation volumes increased available capacity and resulted in some reluctance among certain customers to extend term contracts, which led to an increase in the number of coastal vessels operating in the spot market. In addition, the Company and the industry added new coastal tank barge capacity during 2015, 2016 and 2017. Throughout 2017, the Company released chartered tugboats, idled owned barges and tugboats and reduced headcount accordingly. With additional coastal industry tank barge capacity still under construction with deliveries scheduled for 2018 and 2019, and utilization rates in the mid-60% range, during the 2017 fourth quarter, the Company impaired and retired 12 out-of-service coastal tank barges and 21 inactive coastal tugboats. With its reduced coastal fleet, the Company expects coastal tank barge utilization to be in the 80% range for the balance of 2018, with a stabilized pricing environment and no material change in market fundamentals.

As of June 30, 2018, the Company estimated there were approximately 295 tank barges operating in the 195,000 barrel or less coastal industry fleet, the sector of the market in which the Company operates, and approximately 20 of those were over 30 years old. In June 2018, the Company purchased a 155,000 barrel coastal ATB under construction from a competitor that is scheduled to be delivered to the Company in the 2018 third quarter. The Company is aware of four announced coastal tank barge and tugboat units in the 195,000 barrel or less category under construction by competitors for delivery in the 2018 second half and 2019.

The results of the distribution and services segment are largely influenced by the economic cycles of the land-based oilfield service and oil and gas operator and producer markets, marine, mining, power generation, on-highway and other industrial markets. During 2015 and 2016, lower crude oil prices resulted in a decrease in the number of oil and gas wells being drilled. Oilfield service companies reduced their capital spending, resulting in decreased demand for new parts and equipment, including pressure pumping units, provided by the distribution and services segment. In early 2015, an estimated 19.5 million horsepower of pressure pumping units were working in North America. By late 2016, the working horsepower in North America had declined to an estimated 9.0 million. The Company also services offshore supply vessels and offshore drilling rigs operating in the Gulf of Mexico, as well as internationally. Low energy prices also negatively impacted the number of wells drilled in the Gulf of Mexico and international waters. These contributing factors resulted in a negative impact on the distribution and services segment's revenues and profits in 2015 and 2016.

The United States land rig count improved in 2017 and the 2018 first six months from the lows in 2016, oil prices traded in the \$40 to \$70 per barrel range, and service intensity in the well completion business increased. In addition, the condition of the industry's inactive pressure pumping fleet remains poor. Based on these positive conditions, the Company experienced a better market in 2017 and anticipates the trend to continue through most of 2018 for the strong demand for pressure pumping unit remanufacturing and this demand is anticipated to generate orders for the manufacture of pressure pumping units and ancillary oilfield service support equipment. However, the strong demand has challenged the Company's vendor supply chain, creating delays for the delivery of new engines, transmissions and parts required for the completion of both new and remanufactured oilfield service equipment, including pressure pumping units, and impacted the recognition of revenue. Additionally, oilfield operator issues related to sand, labor, pricing, and pipeline take-away capacity are contributing to some near-term softening of new pressure pumping equipment orders. As a result of these dynamics, the Company expects reduced revenues and profits in the distribution and services oil and gas market for the 2018 second half as compared to the 2018 first half.

For the distribution and services commercial and industrial market, the Company anticipates an improved marine market for 2018 as the inland tank barge industry improves, and maintenance deferrals implemented by inland and coastal marine transportation customers for much of 2017 are no longer sustainable and should lead to higher demand for overhauls, new engines and parts sales as 2018 progresses. The power generation market should remain stable, benefiting from engine-generator set upgrades and parts sales for both domestic and international customers, customized power generation systems, and the rental of generators.

Acquisitions

On May 10, 2018, the Company completed the purchase of Targa's inland tank barge business from a subsidiary of Targa for \$69,250,000 in cash. Targa's inland tank barge fleet consisted of 16 pressure barges with a total capacity of 258,000 barrels, many of which were under multi-year contracts that the Company assumed from Targa. The 16 tank barges transport petrochemicals on the Mississippi River System and the Gulf Intracoastal Waterway. Financing of the business acquisition was through borrowings under the Company's revolving credit facility.

On March 15, 2018, the Company purchased two inland pressure tank barges from a competitor for \$10,400,000 in cash. The average age of the two tank barges was five years. Financing of the equipment acquisition was through borrowings under the Company's revolving credit facility.

On February 14, 2018, the Company completed the acquisition of Higman for \$421,922,000 in cash, subject to certain post-closing adjustments. Higman's fleet consisted of 163 inland tank barges, including two barges to be leased upon completion of their construction in 2018, with 4.8 million barrels of capacity, and 75 inland towboats, transporting petrochemicals, black oil, including crude oil and natural gas condensate, and refined petroleum products on the Mississippi River System and the Gulf Intracoastal Waterway. The average age of the inland tank barges was approximately seven years and the inland towboats had an average age of approximately eight years. Financing of the acquisition was through the issuance of \$500,000,000 under the 2028 Notes. The 2028 Notes were issued on February 12, 2018 in preparation for closing of the acquisition.

Results of Operations

The Company reported 2018 second quarter net earnings attributable to Kirby of \$28,602,000, or \$0.48 per share, on revenues of \$802,671,000, compared with 2017 second quarter net earnings attributable to Kirby of \$25,778,000, or \$0.48 per share, on revenues of \$473,328,000. Net earnings attributable to Kirby for the 2018 first six months were \$61,073,000, or \$1.02 per share, on revenues of \$1,544,359,000, compared with \$53,261,000, or \$0.99 per share, on revenues of \$965,033,000 for the 2017 first six months. The 2018 second quarter and first six months results included a one-time non-deductible expense of \$18,057,000, or \$0.30 per share, related to the retirement of Joseph H. Pyne as executive Chairman of the Board of Directors, effective April 30, 2018, and reflected the acquisition of Targa on May 10, 2018 and the integration of Higman, acquired on February 14, 2018. The 2018 first quarter included \$3,261,000

before taxes, or \$0.04 per share, of one-time transaction costs associated with the Higman acquisition, as well as \$2,912,000 before taxes, or \$0.04 per share, of severance and retirement expenses, primarily related to cost reduction initiatives in the coastal marine transportation market and the integration of Higman. In addition, the 2018 first quarter included \$3,938,000 before taxes, or \$0.05 per share, of non-cash expenses related to an amendment to the employee stock award plan. The result of the amendment is shorter expense accrual periods on stock options and RSUs granted after February 19, 2018 to employees who are nearing retirement and meet certain years of service and age requirements. The 2017 second quarter and first six months results include pre-tax expenses of \$707,000, or \$0.01 per share, related to the acquisition of S&S.

The following table sets forth the Company's marine transportation and distribution and services revenues for the 2018 second quarter compared with the second quarter of 2017, the first six months of 2018 compared with the first six months of 2017 and the percentage of each to total revenues for the comparable periods (dollars in thousands):

	Three months ended				Six months ended			
	June 30, 2018		2017		June 30, 2018		2017	
		%		%		%		%
Marine transportation	\$378,163	47 %	\$331,265	70 %	\$718,566	47 %	\$674,917	70 %
Distribution and services	424,508	53	142,063	30	825,793	53	290,116	30
	\$802,671	100%	\$473,328	100%	\$1,544,359	100%	\$965,033	100%

Marine Transportation

The Company, through its marine transportation segment, is a provider of marine transportation services, operating tank barges and towing vessels transporting bulk liquid products throughout the Mississippi River System, on the Gulf Intracoastal Waterway, coastwise along all three United States coasts and in Alaska and Hawaii. The Company transports petrochemicals, black oil, refined petroleum products and agricultural chemicals by tank barge. As of June 30, 2018, the Company operated 990 inland tank barges, including 32 leased barges, with a total capacity of 21.7 million barrels. This compares with 849 inland tank barges operated as of June 30, 2017, including 35 leased barges, with a total capacity of 17.4 million barrels. The Company operated an average of 286 inland towboats during the 2018 second quarter, of which an average of 74 were chartered, compared with 220 during the 2017 second quarter, of which an average of 64 were chartered. The Company's coastal tank barge fleet as of June 30, 2018, consisted of 55 tank barges, seven of which were leased, with 5.2 million barrels of capacity, and 50 tugboats, four of which were chartered. This compares with 67 coastal tank barges operated as of June 30, 2017, seven of which were leased, with 6.1 million barrels of capacity, and 69 tugboats, five of which were chartered. The Company owns and operates five offshore dry-bulk cargo barges and five offshore tugboats engaged in the offshore transportation of dry-bulk cargoes. The Company also owns shifting operations and fleetings facilities for dry cargo barges and tank barges on the Houston Ship Channel and in Freeport, Texas, a shipyard for building towboats and performing routine maintenance near the Houston Ship Channel, as well as a two-thirds interest in Osprey Line, L.L.C., which transports project cargoes and cargo containers by barge.

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The following table sets forth the Company's marine transportation segment's revenues, costs and expenses, operating income and operating margins for the three months and six months ended June 30, 2018 compared with the three months and six months ended June 30, 2017 (dollars in thousands):

	Three months ended June 30,			Six months ended June 30,		
	2018	2017	% Change	2018	2017	% Change
Marine transportation revenues	\$378,163	\$331,265	14	\$718,566	\$674,917	6
Costs and expenses:						
Costs of sales and operating expenses	257,022	217,750	18	495,807	447,370	11
Selling, general and administrative	29,472	27,584	7	65,048	55,462	17
Taxes, other than on income	8,659	5,849	48	15,181	11,947	27
Depreciation and amortization	44,782	44,507	1	88,122	88,795	(1)
	339,935	295,690	15	664,158	603,574	10
Operating income	\$38,228	\$35,575	7	\$54,408	\$71,343	(24)
Operating margins	10.1	10.7	%	7.6	10.6	%

Marine Transportation Revenues

The following table shows the marine transportation markets serviced by the Company, the marine transportation revenue distribution for the 2018 second quarter and first six months, products moved and the drivers of the demand for the products the Company transports:

Markets Serviced	2018 Second Quarter Revenue Distribution	2018 Six Months Revenue Distribution	Products Moved	Drivers
Petrochemicals	56%	55%	Benzene, Styrene, Methanol, Acrylonitrile, Xylene, Naphtha, Caustic Soda, Butadiene, Propylene	Consumer non-durables – 70%, Consumer durables – 30%
Black Oil	20%	21%	Residual Fuel Oil, Coker Feedstock, Vacuum Gas Oil, Asphalt, Carbon Black Feedstock, Crude Oil, Natural Gas Condensate, Ship Bunkers	Fuel for Power Plants and Ships, Feedstock for Refineries, Road Construction
Refined Petroleum Products	20%	20%	Gasoline, No. 2 Oil, Jet Fuel, Heating Oil, Diesel Fuel, Ethanol	Vehicle Usage, Air Travel, Weather Conditions, Refinery Utilization
Agricultural Chemicals	4%	4%	Anhydrous Ammonia, Nitrogen – Based Liquid Fertilizer, Industrial Ammonia	Corn, Cotton and Wheat Production, Chemical Feedstock Usage

Marine transportation revenues for the 2018 second quarter and first six months increased 14% and 6%, respectively, when compared with the 2017 second quarter and first six months, primarily due to the addition of the Higman inland tank barges acquired on February 14, 2018 and the Targa pressure barges acquired on May 10, 2018, and improved barge utilization in the inland market. Partially offsetting these increases were lower term and spot contract pricing in the coastal market, weaker average term contract pricing in the inland market, poor seasonal weather conditions in the 2018 first quarter and April, fewer coastal tank barges with the impairment and retirement of 12 coastal tank barges in the 2017 fourth quarter, and an increase in the number of coastal vessels operating in the spot market which led to increased idle time and decreased revenues. Demand in the coastal markets continued to be impacted by the oversupply of tank barges in the coastal industry. For the 2018 and 2017 second quarters, the inland tank barge fleet contributed 76% and 68%, respectively, and the coastal fleet contributed 24% and 32%, respectively, of marine transportation revenues. For the 2018 and 2017 first six months, the inland tank barge fleet contributed 75% and 68%, respectively, and the coastal fleet contributed 25% and 32%, respectively, of marine transportation revenues. Tank barge utilization levels of the Company's inland marine transportation markets were in the high 80% to low 90% range during the 2018 second quarter compared with the mid-90% level during the 2018 first quarter and mid-to-high 80% range during the 2017 second quarter. Operating conditions improved during the 2018 second quarter due to better weather conditions, which enhanced operating efficiency and thereby lowered tank barge utilization. Coastal tank barge utilization levels were in the 80% range during the 2018 second quarter compared with the high 70% range during the 2018 first quarter and high 60% to mid-70% range during the 2017 second quarter. The coastal improvement in 2018 was primarily due to the impairment and retirement of 12 coastal tank barges in the 2017 fourth quarter.

The petrochemical market, the Company's largest market, contributed 56% and 55%, of marine transportation revenues for the 2018 second quarter and first six months, respectively, reflecting stable volumes from Gulf Coast petrochemical plants for both domestic consumption and to terminals for export destinations, the addition of the Targa pressure barges in May 2018 and the addition of tank barges acquired in the 2017 second half. Low priced domestic natural gas, a basic feedstock for the United States petrochemical industry, provides the industry with a competitive advantage relative to naphtha-based foreign petrochemical producers. In addition, favorable commodity prices and the addition of new petrochemical industry capacity during 2017 and the 2018 first six months benefited the segment.

The black oil market, which contributed 20% and 21% of marine transportation revenues for the 2018 second quarter and first six months, respectively, reflected higher revenues in the inland market primarily due to the addition of the Higman fleet. The Company continued to transport crude oil and natural gas condensate produced from the Eagle Ford and Permian Basin shale formations in Texas both along the Gulf Intracoastal Waterway with inland vessels and in the Gulf of Mexico with coastal equipment, and continued to transport Utica natural gas condensate downriver from the Mid-Atlantic to the Gulf Coast. Revenues for the transportation of black oil products in the coastal market during the 2018 second quarter and first six months were lower compared with the 2017 second quarter and first six months due to the continued industry-wide over supply of tank barges in the coastal industry.

The refined petroleum products market, which contributed 20% of marine transportation revenues for the 2018 second quarter and first six months, reflected stronger volumes in the inland market primarily due to the addition of the Higman fleet, partially offset by lower utilization in the coastal market, primarily a result of the oversupply of coastal tank barge capacity.

The agricultural chemical market, which contributed 4% of marine transportation revenues for the 2018 second quarter and first six months, saw typical seasonal demand for transportation of both domestically produced and imported products during the 2018 first six months.

For the second quarter of 2018, the inland operations incurred 1,735 delay days, 27% more than the 1,367 delay days that occurred during the 2017 second quarter and 31% less than the 2,528 delay days that occurred during the 2018 first quarter. Delay days measure the lost time incurred by a tow (towboat and one or more tank barges) during transit when the tow is stopped due to weather, lock conditions or other navigational factors. Operating conditions during the

2018 first quarter were challenged by ice on the Illinois River, infrastructure issues on the Ohio River, seasonal fog and high winds, as well as lock delays along the Gulf Intracoastal Waterway. In addition, high water conditions on the Ohio and Mississippi Rivers in the 2018 first quarter and April also increased delay days. Weather conditions improved in May and June, enhancing operating efficiency but driving seasonally lower utilization compared to the 2018 first quarter.

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During the 2018 first and second quarters, approximately 70% and 65%, respectively, of marine transportation inland revenues were under term contracts and 30% and 35%, respectively, were spot contract revenues. For the 2017 second quarter and first six months, approximately 75% of inland revenues were under term contracts and 25% were spot contract revenues. Inland time charters during the 2018 second quarter and first six months represented 62% and 60%, respectively, of the revenues under term contracts compared with 48% in the 2017 second quarter and first six months. Rates on inland term contracts renewed in the 2018 first quarter decreased in the 4% to 6% average range compared with term contracts renewed in the first quarter of 2017. Rates on inland term contracts renewed in the 2018 second quarter increased in the 1% to 3% average range compared with term contracts renewed in the second quarter of 2017. Spot contract rates, which include the cost of fuel, increased in the 10% to 15% range for the 2018 second quarter and first six months, compared with both the 2017 second quarter and first six months. Effective January 1, 2018, annual escalators for labor and the producer price index on a number of inland multi-year contracts resulted in rate increases on those contracts of approximately 1.0%, excluding fuel.

During the 2018 and 2017 second quarters and first six months, approximately 80% of the coastal revenues were under term contracts and 20% were spot contract revenues. Coastal time charters represented approximately 85% of coastal revenues under term contracts during the 2018 and 2017 second quarters and first six months. Term and spot contract pricing for the 2018 second quarter was stable compared with pricing for the 2018 first quarter. However, compared with the 2017 second quarter and first six months, both term and spot market pricing declined in the 10% to 15% range, contingent on various factors including geographic location, vessel capacity, vessel type and product serviced.

Marine Transportation Costs and Expenses

Costs and expenses for the 2018 second quarter and first six months increased 15% and 10%, respectively, when compared with the 2017 second quarter and first six months. Costs of sales and operating expenses for the 2018 second quarter and first six months increased 18% and 11%, respectively, compared with the 2017 second quarter and first six months, primarily due to the addition of the Higman fleet of inland tank barges and towboats in February 2018 and higher fuel costs.

The inland marine transportation fleet operated an average of 286 towboats during the 2018 second quarter, of which an average of 74 were chartered, compared with 220 during the 2017 second quarter, of which an average of 64 were chartered. During the 2018 first six months, the inland operations operated an average of 272 towboats, of which an average of 76 towboats were chartered, compared with 228 towboats operated during the 2017 first six months, of which an average of 72 were chartered. The increase was primarily due to the addition of inland towboats with the Higman acquisition on February 14, 2018. Generally as demand, or anticipated demand, increases or decreases, as new tank barges are added to the fleet, as chartered towboat availability changes, or as weather or water conditions dictate, such as the ice on the Illinois River, infrastructure issues on the Ohio River, and seasonal high winds and heavy fog conditions along the Gulf Intracoastal Waterway that occurred in the 2018 first quarter and the high water conditions on the Ohio and Mississippi Rivers in the 2018 first quarter and April, the Company charters in or releases chartered towboats in an effort to balance horsepower needs with current requirements. The Company has historically used chartered towboats for approximately one-third of its horsepower requirements.

During the 2018 second quarter, the inland operations consumed 12.6 million gallons of diesel fuel compared to 9.9 million gallons consumed during the 2017 second quarter, driven by the Higman acquisition. The average price per gallon of diesel fuel consumed during the 2018 second quarter was \$2.10 per gallon compared with \$1.72 per gallon for the 2017 second quarter. For the 2018 first six months, the inland operations consumed 23.9 million gallons of diesel fuel compared to 20.5 million gallons consumed during the 2017 first six months, driven by the Higman acquisition. The average price per gallon of diesel fuel consumed during the 2018 first six months was \$2.07 compared with \$1.75 for the 2017 first six months. Fuel escalation and de-escalation clauses on term contracts are designed to rebate fuel costs when prices decline and recover additional fuel costs when fuel prices rise; however, there is generally a 30 to 90 day delay before the contracts are adjusted. Spot contracts do not have escalators for fuel.

Selling, general and administrative expenses for the 2018 second quarter increased 7% compared with the 2017 second quarter, primarily due to the addition of Higman personnel and related expenses plus higher incentive compensation accruals. For the 2018 first six months, selling, general and administrative expenses increased 17% compared with the 2017 first six months. The increase included \$3,261,000 of transaction costs, consisting primarily of legal, audit and other professional fees associated with the Higman acquisition, severance charges of \$2,591,000 associated with the integration of Higman into the Company and further reduction in headcount in the coastal sector in order to manage costs, and \$2,378,000 of non-cash expenses related to the amendment of the employee stock award plan; all of which were incurred in the 2018 first quarter.

Taxes, other than on income for the 2018 second quarter and first six months increased 48% and 27%, respectively, compared with the 2017 second quarter and first six months, mainly due to higher property taxes on marine transportation equipment, including the Higman and Targa fleets, and higher waterway use taxes due to higher business activity levels, mainly due to the Higman acquisition.

Marine Transportation Operating Income and Operating Margins

Marine transportation operating income for the 2018 second quarter increased 7% compared with the 2017 second quarter and decreased 24% for the 2018 first six months compared with the 2017 first six months. The operating margin was 10.1% for the 2018 second quarter compared with 10.7% for the 2017 second quarter and 7.6% for the 2018 first six months compared with 10.6% for the 2017 first six months. The results primarily reflected improved barge utilization in the inland market and reduced coastal costs, offset by lower coastal term and spot contract pricing, weaker average inland term contract pricing, poor seasonal weather conditions in the 2018 first quarter and April and more coastal equipment operating in the spot market which adds increased idle time and voyage costs. Higman transaction costs, severance charges, and expenses related to the amendment of the employee stock award plan also negatively impacted the 2018 first quarter.

Distribution and Services

The Company, through its distribution and services segment, sells genuine replacement parts, provides service mechanics to overhaul and repair engines, transmissions, reduction gears and related oilfield services equipment, rebuilds component parts or entire diesel engines, transmissions and reduction gears, and related equipment used in oilfield services, marine, mining, power generation, on-highway and other industrial applications. The Company also rents equipment including generators, fork lifts, pumps and compressors for use in a variety of industrial markets, and manufactures and remanufactures oilfield service equipment, including pressure pumping units, for the oilfield service and oil and gas operator and producer markets.

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The following table sets forth the Company's distribution and services segment's revenues, costs and expenses, operating income and operating margins for the three months and six months ended June 30, 2018 compared with the three months and six months ended June 30, 2017 (dollars in thousands):

	Three months ended June 30,			Six months ended June 30,		
	2018	2017	% Change	2018	2017	% Change
Distribution and services revenues	\$424,508	\$142,063	199 %	\$825,793	\$290,116	185 %
Costs and expenses:						
Costs of sales and operating expenses	331,606	107,000	210	646,138	222,179	191
Selling, general and administrative	40,963	15,388	166	78,717	31,094	153
Taxes, other than on income	1,872	482	288	3,874	1,023	279
Depreciation and amortization	9,877	2,862	245	19,909	5,784	244
	384,318	125,732	206	748,638	260,080	188
Operating income	\$40,190	\$16,331	146 %	\$77,155	\$30,036	157 %
Operating margins	9.5 %	11.5 %		9.3 %	10.4 %	

Distribution and Services Revenues

The following table shows the markets serviced by the Company's distribution and services segment, the revenue distribution for the 2018 second quarter and first six months, and the customers for each market:

Markets Served	2018 Second Quarter Revenue Distribution	2018 Six Months Revenue Distribution	Customers
	Oil and Gas	72%	
Commercial and Industrial	28%	30%	Inland River Carriers — Dry and Liquid, Offshore Towing — Dry and Liquid, Offshore Oilfield Services — Drilling Rigs & Supply Boats, Harbor Towing, Dredging, Great Lakes Ore Carriers, Pleasure Crafts, On and Off-Highway Transportation, Power Generation, Standby Power Generation, Pumping Stations, Mining

Distribution and services revenues for the 2018 second quarter and first six months increased 199% and 185%, respectively, when compared with the second quarter and first six months of 2017. The higher revenues and operating income were primarily attributable to the acquisition of S&S, completed on September 13, 2017, as well as accelerated demand in the oil and gas market for the remanufacture of pressure pumping units and transmission overhauls, the manufacturing of oilfield service equipment, including pressure pumping units, the sale and distribution of engines, transmissions and related parts, and improving market conditions in the commercial marine diesel engine repair business. For the 2018 second quarter and first six months, the oil and gas market contributed 72% and 70%, respectively, of the distribution and services revenues. However, the strong demand challenged the Company's vendor supply chain, creating delays for the delivery of new engines, transmissions and parts required for the completion of both new and remanufactured oilfield service equipment, including pressure pumping units, and impacted the recognition of revenue. In the commercial and industrial market, which contributed 28% and 30% of the distribution and services revenues for the 2018 second quarter and first six months, respectively, the marine sector experienced higher service levels for medium-speed diesel engine overhauls and related parts sales throughout the 2018 first six months. The power generation sector saw increased demand from commercial customers for specialty rental units and

back-up power systems in the 2018 second quarter in anticipation of summer storms after the seasonal decline in the rental of stand-by power generators in the 2018 first quarter. Demand in the nuclear power generation market was stable compared to the 2017 second quarter and first six months.

Distribution and Services Costs and Expenses

Costs and expenses for the 2018 second quarter and first six months increased 206% and 188%, respectively, compared with the 2017 second quarter and first six months. Costs of sales and operating expenses for the 2018 second quarter and first six months increased 210% and 191%, respectively, compared with the 2017 second quarter and first six months, reflecting the acquisition of S&S on September 13, 2017, as well as increased demand for the remanufacture of pressure pumping units and transmission overhauls, improvement in the manufacturing of oilfield service equipment, including pressure pumping units, and an increase in demand for the sale and distribution of engines, transmissions and related parts in the oil and gas market.

Selling, general and administrative expenses for the 2018 second quarter and first six months increased 166% and 153%, respectively, compared with the 2017 second quarter and first six months, primarily due to the S&S acquisition, as well as increased activity in the oil and gas market. The 2018 first six months included a \$171,000 severance charge incurred in the 2018 first quarter associated with the integration of S&S into the Company and \$1,168,000 of non-cash expenses, also incurred in the 2018 first quarter, related to the amendment of the employee stock award plan.

Distribution and Services Operating Income and Operating Margins

Operating income for the distribution and services segment for the 2017 second quarter and first six months increased 146% and 157%, respectively, compared with the 2017 second quarter and first six months. The operating margin for the 2018 second quarter was 9.5% compared with 11.5% for the 2017 second quarter and 9.3% for the 2018 first six months compared with 10.4% for the 2017 first six months. The results primarily reflected the earnings contribution of S&S and continued strong demand for the remanufacture of pressure pumping units and transmission overhauls, the manufacturing of oilfield service equipment, and the sale of new transmissions and related parts.

General Corporate Expenses

General corporate expenses for the 2018 second quarter were \$23,007,000, a 410% increase compared with \$4,515,000 for the 2017 second quarter, primarily due to a one-time non-deductible expense of \$18,057,000 related to the retirement of the Company's executive Chairman, effective April 30, 2018, and higher incentive compensation accruals. The Company's retired executive Chairman will continue to serve as Chairman of the Board in a non-executive role. For the 2018 first six months, general corporate expenses were \$27,330,000, a 240% increase compared with \$8,043,000 for the 2017 first six months. The 2018 first six months included \$392,000 incurred in the 2018 first quarter due to the corporate portion of the amendment of the employee stock award plan.

Gain (Loss) on Disposition of Assets

The Company reported a net gain on disposition of assets of \$442,000 for the 2018 second quarter compared with a net loss of \$139,000 for the 2017 second quarter. For the 2018 first six months, the Company reported a net gain on disposition of assets of \$2,340,000 compared with a net loss of \$40,000 for the 2017 first six months. The net gains and losses were predominantly from the sale or retirement of marine equipment and the sale of distribution and services equipment and property.

Other Income and Expenses

The following table sets forth other income (expense), noncontrolling interests and interest expense for the three months and six months ended June 30, 2018 compared with the three months and six months ended June 30, 2017 (dollars in thousands):

	Three months ended June 30,			Six months ended June 30,		
	2018	2017	% Change	2018	2017	% Change
Other income (expense)	\$1,541	\$228	576 %	\$3,132	\$(361)	968 %
Noncontrolling interests	\$(191)	\$(194)	(2)%	\$(386)	\$(356)	8 %
Interest expense	\$(12,540)	\$(4,465)	181 %	\$(22,320)	\$(8,922)	150 %

Other Income (Expense)

Due to the Company's adoption of ASU 2017-07 on January 1, 2018, other income for the 2018 second quarter and first six months includes income of \$1,104,000 and \$2,216,000, respectively, for all components of net benefit costs except the service cost component related to the Company's defined benefit plans. The standard was applied retrospectively resulting in a reclassification of income of \$229,000 for the 2017 second quarter and expense of \$244,000 for the six months ended June 30, 2017 from operating expense to non-operating expense.

Interest Expense

Interest expense for the 2018 second quarter and first six months increased 181% and 150%, respectively, compared with the 2017 second quarter and first six months, primarily due to borrowings to finance the cash portion of the S&S acquisition in September 2017, the Higman acquisition in February 2018, the Targa acquisition in May 2018 and the purchase of the 155,000 barrel coastal ATB under construction in June 2018. During the 2018 and 2017 second quarters, the average debt and average interest rate (excluding capitalized interest) were \$1,411,603,000 and 3.6%, and \$643,623,000 and 3.2%, respectively. For the first six months of 2018 and 2017, the average debt and average interest rate (excluding capitalized interest) were \$1,339,012,000 and 3.4%, and \$674,867,000 and 3.0%, respectively. Interest expense excludes capitalized interest for the 2018 and 2017 second quarters of \$311,000 and \$700,000, respectively, and for the 2018 and 2017 first six months of \$509,000 and \$1,314,000, respectively.

Financial Condition, Capital Resources and Liquidity

Balance Sheet

Total assets as of June 30, 2018 were \$5,829,276,000 compared with \$5,127,427,000 as of December 31, 2017. The following table sets forth the significant components of the balance sheet as of June 30, 2018 compared with December 31, 2017 (dollars in thousands):

	June 30, 2018	December 31, 2017	% Change	
Assets:				
Current assets	\$ 1,035,332	\$ 957,082	8	%
Property and equipment, net	3,549,066	2,959,265	20	
Goodwill	961,745	935,135	3	
Other intangibles, net	233,974	232,808	1	
Other assets	49,159	43,137	14	
	\$5,829,276	\$ 5,127,427	14	%
Liabilities and stockholders' equity:				
Current liabilities	\$556,318	\$ 480,306	16	%
Long-term debt – less current portion	1,442,513	992,403	45	
Deferred income taxes	531,284	468,451	13	
Other long-term liabilities	111,470	72,044	55	
Total equity	3,187,691	3,114,223	2	
	\$5,829,276	\$ 5,127,427	14	%

Current assets as of June 30, 2018 increased 8% compared with December 31, 2017. Inventories, net increased 22%, primarily reflecting higher inventories in the distribution and services oil and gas market due to the adoption of ASU 2014-09 and increased inventories to meet current business activity levels. Prepaid expenses and other current assets increased 31% primarily due to a building acquired with the Higman acquisition being reclassified to assets held for sale, partially offset by the sale of marine vessels in the 2018 first six months that were classified as assets held for sale in the 2017 fourth quarter.

Property and equipment, net of accumulated depreciation, at June 30, 2018 increased 20% compared with December 31, 2017. The increase reflected \$169,409,000 of capital expenditures for the 2018 first six months, more fully described under Capital Expenditures Reflected on the Balance Sheet below, the fair value of the property and equipment acquired in the Higman acquisition of \$480,003,000, the two inland pressure tank barges purchased in March 2018 of \$10,400,000 and the fair value of the property acquired in the Targa acquisition of \$42,134,000, less \$101,584,000 of depreciation expense and \$18,217,000 of property disposals during the 2018 first six months.

Goodwill as of June 30, 2018 increased 3% compared with December 31, 2017, predominantly reflecting the goodwill recorded in the Higman and Targa acquisitions.

Other intangibles, net, as of June 30, 2018 increased 1% compared with December 31, 2017, reflecting intangible assets other than goodwill recorded in the Targa acquisition, less amortization of \$9,836,000.

Other assets at June 30, 2018 increased 14% compared with December 31, 2017 primarily due to the addition of deferred major maintenance dry-dock expenditures on ocean-going vessels, net of amortization.

Current liabilities as of June 30, 2018 increased 16% compared with December 31, 2017. Accounts payable increased 19%, primarily due to increased business activity levels in the distribution and services segment, the acquisition of Higman and higher accrued capital expenditures. Accrued liabilities increased 9% primarily due to accrued liabilities

assumed in the Higman acquisition including an increase in taxes other than on income, primarily waterway use taxes and property taxes, and an increase in insurance claims payable, partially offset by payments during the 2018 first six months of employee incentive compensation accrued during 2017. Deferred revenues increased 27%, primarily in the distribution and services segment, reflecting changes in revenue recognition with the adoption of ASU 2014-09.

Long-term debt, less current portion, as of June 30, 2018 increased 45% compared with December 31, 2017, primarily reflecting the issuance on February 12, 2018 of \$500,000,000 under the 2028 Notes to fund the acquisition of Higman, partially offset by payments of \$45,485,000 on the revolving credit facilities during the 2018 first six months. Net debt discount and deferred issuance costs were \$7,832,000 and \$3,442,000 at June 30, 2018 and December 31, 2017, respectively.

Deferred income taxes as of June 30, 2018 increased 13% compared with December 31, 2017, primarily reflecting \$42,392,000 of deferred income taxes recorded with the Higman acquisition and the 2018 first six months deferred tax provision of \$23,381,000.

Other long-term liabilities as of June 30, 2018 increased 55% compared with December 31, 2017. The increase was primarily due to \$11,100,000 of intangible liabilities related to unfavorable contracts of the Higman acquisition and the pension plan liability assumed with the Higman acquisition of \$36,016,000, partially offset by a \$6,717,000 contribution to the Higman pension plan during the 2018 first quarter.

Total equity as of June 30, 2018 increased 2% compared with December 31, 2017. The increase was primarily the result of \$61,073,000 of net earnings attributable to Kirby for the first six months of 2018, an increase in additional paid-in capital of \$14,648,000, primarily due to the employee stock award plan amendment which resulted in shorter expense accrual periods on stock options and RSUs granted after February 19, 2018 to employees who are nearing retirement and meet certain years of service and age requirements, a \$7,123,000 increase in treasury stock and a \$9,722,000 decrease in the opening balance of retained earnings with the adoption of ASU 2014-09.

Long-Term Financing

On February 12, 2018, the Company issued \$500,000,000 of 2028 Notes with U.S. Bank National Association, as trustee. Interest payments of \$10,500,000 are due semi-annually on March 1 and September 1 of each year, with the exception of the first payment on September 1, 2018, which will be \$11,550,000. The Company received cash proceeds of \$495,032,000, net of the original issue discount of \$705,000 and debt issuance costs of \$4,263,000. The 2028 Notes are unsecured and rank equally in right of payment with the Company's other unsecured senior indebtedness. The 2028 Notes contain certain covenants on the part of the Company, including covenants relating to liens, sale-leasebacks, asset sales and mergers, among others. The 2028 Notes also specify certain events of default, upon the occurrence of which the maturity of the notes may be accelerated, including failure to pay principal and interest, violation of covenants or default on other indebtedness, among others. The Company used the proceeds from the issuance of the 2028 Notes to fund the acquisition of Higman. The remaining net proceeds of the sale of the 2028 Notes were used for the repayment of indebtedness under the Company's bank credit facilities. As of June 30, 2018, the Company was in compliance with all the 2028 Notes covenants and had \$500,000,000 outstanding under the 2028 Notes.

The Company has an \$850,000,000 unsecured revolving credit facility ("Revolving Credit Facility") with a syndicate of banks, with JPMorgan Chase Bank, N.A. as the administrative agent bank, with a maturity date of June 26, 2022. In addition, the credit agreement allows for a \$300,000,000 increase in the aggregate commitments of the banks in the form of revolving credit loans or term loans, subject to the consent of each bank that elects to participate in the increased commitment. The variable interest rate spread varies with the Company's senior debt rating and, effective February 20, 2018, due to a change in one of the Company's credit ratings, the spread over LIBOR increased from 1.00% to 1.125% and the Alternate Base Rate spread is currently 0.125% over the agent bank's prime rate. The commitment fee increased as well from 0.10% to 0.15%. The Revolving Credit Facility contains certain restrictive financial covenants including an interest coverage ratio and a debt-to-capitalization ratio. In addition to financial covenants, the Revolving Credit Facility contains covenants that, subject to exceptions, restrict debt incurrence, mergers and acquisitions, sales of assets, dividends and investments, liquidations and dissolutions, capital leases, transactions with affiliates and changes in lines of business. Borrowings under the Revolving Credit Facility may be used for general corporate purposes, the purchase of existing or new equipment, the purchase of the Company's

common stock, or for business acquisitions. As of June 30, 2018, the Company was in compliance with all Revolving Credit Facility covenants and had \$444,098,000 of debt outstanding under the Revolving Credit Facility. The Revolving Credit Facility includes a \$25,000,000 commitment which may be used for standby letters of credit. Outstanding letters of credit under the Revolving Credit Facility were \$7,834,000 as of June 30, 2018.

The Company has \$500,000,000 of unsecured senior notes (“Senior Notes Series A” and “Senior Notes Series B”) with a group of institutional investors, consisting of \$150,000,000 of 2.72% Senior Notes Series A due February 27, 2020 and \$350,000,000 of 3.29% Senior Notes Series B due February 27, 2023. No principal payments are required until maturity. The Senior Notes Series A and Series B contain certain covenants on the part of the Company, including an interest coverage covenant, a debt-to-capitalization covenant and covenants relating to liens, asset sales and mergers, among others. The Senior Notes Series A and Series B also specify certain events of default, upon the occurrence of which the maturity of the notes may be accelerated, including failure to pay principal and interest, violation of covenants or default on other indebtedness, among others. As of June 30, 2018, the Company was in compliance with all Senior Notes Series A and Series B covenants and had \$150,000,000 of Senior Notes Series A outstanding and \$350,000,000 of Senior Notes Series B outstanding.

The Company has a \$10,000,000 line of credit (“Credit Line”) with Bank of America, N.A. (“Bank of America”) for short-term liquidity needs and letters of credit, with a maturity date of June 30, 2019. The Credit Line allows the Company to borrow at an interest rate agreed to by Bank of America and the Company at the time each borrowing is made or continued. The Company had \$6,247,000 of debt outstanding under the Credit Line as of June 30, 2018. Outstanding letters of credit under the Credit Line were \$1,146,000 as of June 30, 2018.

Capital Expenditures Reflected on the Balance Sheet

Capital expenditures for the 2018 first six months were \$169,409,000, including \$11,069,000 for inland tank barge and towboat construction, \$16,507,000 for progress payments on six 5000 horsepower coastal ATB tugboats, \$50,073,000 for a 155,000 barrel coastal ATB under construction purchased from a competitor that is scheduled to be delivered in the 2018 third quarter, and \$91,760,000 primarily for upgrading existing marine equipment and marine transportation and distribution and services facilities.

Financing of the construction of the inland tank barge and towboats, coastal tugboats and the 155,000 barrel coastal ATB, plus upgrades of existing marine equipment and marine transportation and distribution and services facilities was through operating cash flows and available credit under the Company’s Revolving Credit Facility.

During the 2018 first six months, the Company took delivery of one new inland tank barge with a capacity of approximately 29,000 barrels, acquired 161 inland tank barges with the Higman acquisition with a total capacity of approximately 4,714,000 barrels, acquired 16 pressure barges with the Targa acquisition with a total capacity of approximately 258,000 barrels, acquired two inland tank barges with a total capacity of approximately 35,000 barrels, took delivery of a new inland tank barge with a capacity of 26,000 barrels, which is being leased, and retired 32 inland tank barges, reducing its capacity by approximately 595,000 barrels. The net result was an increase of 149 inland tank barges and approximately 4,467,000 barrels of capacity during the first six months of 2018.

The Company projects that capital expenditures for 2018 will be in the \$265,000,000 to \$290,000,000 range. The 2018 construction program will consist of one 30,000 barrel inland tank barge, progress payments on the construction of 15 inland towboats, five of which will be placed in service in 2018 and the remaining ten in 2019 and 2020, progress payments on the construction of six 5000 horsepower coastal ATB tugboats, three of which will be placed in service in 2018 and three in 2019, and total payments on a 155,000 barrel coastal ATB under construction that is scheduled to be delivered in the 2018 third quarter. Based on current commitments, steel prices and projected delivery schedules, the Company’s 2018 payments on the new inland tank barge and towboats will be approximately \$30,000,000, 2018 progress payments on the construction of the six 5000 horsepower coastal ATB tugboats will be approximately \$35,000,000 and total payments on the 155,000 barrel coastal ATB will be \$65,000,000. Approximately \$125,000,000 to \$145,000,000 is primarily capital upgrades and improvements to existing marine equipment and facilities. The balance of \$10,000,000 to \$15,000,000 will be for rental fleet growth, new machinery and equipment, and facilities improvements in the distribution and services segment.

Funding for future capital expenditures is expected to be provided through operating cash flows and available credit under the Company's Revolving Credit Facility.

Treasury Stock Purchases

The Company did not purchase any treasury stock during the first half of 2018. As of August 2, 2018, the Company had approximately 1,411,000 shares available under its existing repurchase authorization. Historically, treasury stock purchases have been financed through operating cash flows and borrowing under the Company's Revolving Credit Facility. The Company is authorized to purchase its common stock on the New York Stock Exchange and in privately negotiated transactions. When purchasing its common stock, the Company is subject to price, trading volume and other market considerations. Shares purchased may be used for reissuance upon the exercise of stock options or the granting of other forms of incentive compensation, in future acquisitions for stock or for other appropriate corporate purposes.

Liquidity

The Company generated net cash provided by operating activities of \$153,755,000 for the 2018 first six months compared with \$193,795,000 for the 2017 first six months. The 2018 first six months experienced a net decrease in cash flows from changes in operating assets and liabilities of \$63,484,000 compared with a net increase in the 2017 first six months of \$8,585,000. The net decrease for the 2018 first six months in operating assets and liabilities was primarily due to an increase in trade receivables from strong revenues in the 2018 first six months and increased billings in the distribution and services segment and higher inventories in the distribution and services oil and gas market, primarily to support increased business activity levels.

Funds generated from operations are available for acquisitions, capital expenditure projects, common stock repurchases, repayments of borrowings, and for other corporate and operating requirements. In addition to net cash flow provided by operating activities, the Company also had available as of August 2, 2018, \$427,166,000 under its Revolving Credit Facility and \$8,854,000 available under its Credit Line.

Neither the Company, nor any of its subsidiaries, is obligated on any debt instrument, swap agreement, or any other financial instrument or commercial contract which has a rating trigger, except for the pricing grid on its Revolving Credit Facility.

The Company expects to continue to fund expenditures for acquisitions, capital construction projects, common stock repurchases, repayment of borrowings, and for other operating requirements from a combination of available cash and cash equivalents, funds generated from operating activities and available financing arrangements.

The Revolving Credit Facility's commitment is in the amount of \$850,000,000 and expires June 26, 2022. As of June 30, 2018, the Company had \$398,068,000 available under the Revolving Credit Facility. The Senior Notes Series A and Senior Notes Series B do not mature until February 27, 2020 and February 27, 2023, respectively, and require no prepayments. The 2028 Notes do not mature until March 1, 2028 and require no prepayments.

There are numerous factors that may negatively impact the Company's cash flow in 2018. For a list of significant risks and uncertainties that could impact cash flows, see Note 14, Contingencies, in the financial statements, and Item 1A — Risk Factors and Note 14, Contingencies and Commitments, in the Company's Annual Report on Form 10-K for the year ended December 31, 2017. Amounts available under the Company's existing financial arrangements are subject to the Company continuing to meet the covenants of the credit facilities as described in Item 2, Management's Discussion and Analysis of Financial Condition and Results of Operations under Long-Term Financing.

The Company has issued guaranties or obtained standby letters of credit and performance bonds supporting performance by the Company and its subsidiaries of contractual or contingent legal obligations of the Company and its subsidiaries incurred in the ordinary course of business. The aggregate notional value of these instruments is \$20,085,000 at June 30, 2018, including \$9,207,000 in letters of credit and \$10,878,000 in performance bonds. All of these instruments have an expiration date within three years. The Company does not believe demand for payment under these instruments is likely and expects no material cash outlays to occur in connection with these instruments.

All marine transportation term contracts contain fuel escalation clauses, or the customer pays for the fuel. However, there is generally a 30 to 90 day delay before contracts are adjusted depending on the specific contract. In general, the fuel escalation clauses are effective over the long-term in allowing the Company to recover changes in fuel costs due to fuel price changes. However, the short-term effectiveness of the fuel escalation clauses can be affected by a number of factors including, but not limited to, specific terms of the fuel escalation formulas, fuel price volatility, navigating conditions, tow sizes, trip routing, and the location of loading and discharge ports that may result in the Company over or under recovering its fuel costs. Spot contract rates generally reflect current fuel prices at the time the contract is signed but do not have escalators for fuel.

During the last three years, inflation has had a relatively minor effect on the financial results of the Company. The marine transportation segment has long-term contracts which generally contain cost escalation clauses whereby certain costs, including fuel as noted above, can be passed through to its customers. Spot contract rates include the cost of fuel and are subject to market volatility. The repair portion of the distribution and services segment is based on prevailing current market rates.

Item 3. Quantitative and Qualitative Disclosures about Market Risk

The Company is exposed to risk from changes in interest rates on certain of its outstanding debt. The outstanding loan balances under the Company's bank credit facilities bear interest at variable rates based on prevailing short-term interest rates in the United States and Europe. A 10% change in variable interest rates would impact the 2018 interest expense by \$715,000 based on balances outstanding at December 31, 2017, and would change the fair value of the Company's debt by less than 1%.

Item 4. Controls and Procedures

The Company's management, with the participation of the Chief Executive Officer and the Chief Financial Officer, has evaluated the Company's disclosure controls and procedures (as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934 ("Exchange Act")), as of June 30, 2018, as required by Rule 13a-15(b) under the Exchange Act. Based on that evaluation, the Chief Executive Officer and the Chief Financial Officer concluded that, as of June 30, 2018, the disclosure controls and procedures were effective to ensure that information required to be disclosed by the Company in the reports that it files or submits under the Exchange Act (i) is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms and (ii) is accumulated and communicated to the Company's management, including the Chief Executive Officer and the Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure. There were no changes in the Company's internal control over financial reporting during the quarter ended June 30, 2018 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

PART II – OTHER INFORMATION

Item 6. Exhibits

31.1 –Certification of Chief Executive Officer Pursuant to Rule 13a-14(a)

31.2 –Certification of Chief Financial Officer Pursuant to Rule 13a-14(a)

32 –Certification Pursuant to 18 U.S.C. Section 1350

101.INS* –XBRL Instance Document

101.SCH* –XBRL Taxonomy Extension Schema Document

101.CAL* –XBRL Taxonomy Extension Calculation Linkbase Document

101.DEF* –XBRL Taxonomy Extension Definition Linkbase Document

101.LAB* –XBRL Taxonomy Extension Label Linkbase Document

101.PRE* –XBRL Taxonomy Extension Presentation Linkbase Document

These exhibits are furnished herewith. In accordance with Rule 406T of Regulation S-T, these exhibits are not deemed to be filed or part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, are not deemed to be filed for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and otherwise are not subject to liability under those sections.

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 thereunto duly authorized.

KIRBY CORPORATION
(Registrant)

By: /s/ WILLIAM G. HARVEY
William G. Harvey
Executive Vice President and
Chief Financial Officer

Dated: August 3, 2018