Cypress Energy Partners, L.P. Form 10-Q November 13, 2018
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
Form 10-Q
(MARK ONE)
QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the quarterly period ended September 30, 2018
or
TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
FOR THE TRANSITION PERIOD FROM TO
Commission File Number 001-36260
CYPRESS ENERGY PARTNERS, L.P.
(Exact name of Registrant as specified in its charter)

Delaware 61-1721523 (State of or other jurisdiction of (I.R.S. Employer

incorporation or organization) Identification No.)

5727 South Lewis Avenue, Suite 300

Tulsa, Oklahoma 74105 (Address of principal executive offices) (zip code)

Registrant's telephone number, including area code: (918) 748-3900

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

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

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

Emerging growth company

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

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

As of November 7, 2018, the registrant had 11,946,040 common units outstanding.

DOCUMENTS INCORPORATED BY REFERENCE: None.

Table of Contents

PART I – FINANCIAL INFORMATION

ITEM Unaudited Condensed Consolidated Financial Statements

Unaudited Condensed Consolidated Balance Sheets as of September 30, 2018 and December 31, 2017

Unaudited Condensed Consolidated Statements of Operations for the Three and Nine Months Ended September 30, 2018

Unaudited Condensed Consolidated Statements of Comprehensive Income (Loss) for the Three and Nine Months Ended

Unaudited Condensed Consolidated Statements of Cash Flows for the Nine Months Ended September 30, 2018 and 2017

Unaudited Condensed Consolidated Statement of Owners' Equity for the Nine Months Ended September 30, 2018

Notes to the Unaudited Condensed Consolidated Financial Statements

<u>ITEM</u> <u>Management's Discussion and Analysis of Financial Condition and Results of Operations</u>

TEM Quantitative and Qualitative Disclosures about Market Risk

ITEM Controls and Procedures

PART II - OTHER INFORMATION

ITEM Legal Proceedings

ITEM Risk Factors

2. Unregistered Sales of Equity Securities and Use of Proceeds

<u>ITEM</u> <u>Defaults upon Senior Securities</u>

<u>ITEM</u> <u>Mine Safety Disclosures</u>

<u>ITEM</u> <u>Other Information</u>

<u>ITEM</u>Exhibits 6.

SIGNATURES

NAMES OF ENTITIES

Unless the context otherwise requires, references in this Quarterly Report on Form 10-Q to "Cypress Energy Partners, L.P.," "our partnership," "we," "our," "us," or like terms, refer to Cypress Energy Partners, L.P. and its subsidiaries.

References to:

[&]quot;Brown" refers to Brown Integrity, LLC, a 51% owned subsidiary of CEP LLC;

[&]quot;CEP LLC" refers to Cypress Energy Partners, LLC, a wholly-owned subsidiary of the Partnership;

[&]quot;CF Inspection" refers to CF Inspection Management, LLC, owned 49% by TIR-PUC and consolidated under generally accepted accounting principles by TIR-PUC. CF Inspection is 51% owned, managed and controlled by Cynthia A. Field, an affiliate of Holdings;

[&]quot;General Partner" refers to Cypress Energy Partners GP, LLC, a subsidiary of Cypress Energy GP Holdings, LLC;

[&]quot;Holdings" refers to Cypress Energy Holdings, LLC, the owner of Holdings II;

[&]quot;Holdings II" refers to Cypress Energy Holdings II, LLC, the owner of 5,610,549 common units, representing 47.0% of our outstanding common units;

[&]quot;Partnership" refers to the registrant, Cypress Energy Partners, L.P.;

[&]quot;Pipeline & Process Services" refers to our Pipeline & Process Services (formerly referred to as our Integrity Services) business segment;

[&]quot;Pipeline Inspection" refers to our Pipeline Inspection business segment;

[&]quot;TIR Entities" refer collectively to TIR LLC, TIR-Canada, TIR-NDE, TIR-PUC and CF Inspection;

[&]quot;TIR LLC" refers to Tulsa Inspection Resources, LLC, a wholly-owned subsidiary of CEP LLC;

[&]quot;TIR-Canada" refers to Tulsa Inspection Resources – Canada ULC, a wholly-owned subsidiary of CEP LLC;

[&]quot;TIR-NDE" refers to Tulsa Inspection Resources – Nondestructive Examination, LLC, a wholly-owned subsidiary of CEP LLC;

[&]quot;TIR-PUC" refers to Tulsa Inspection Resources – PUC, LLC, a subsidiary of TIR LLC that has elected to be treated as a corporation for federal income tax purposes; and

[&]quot;Water Services" refers to our Water and Environmental Services business segment.

CAUTIONARY REMARKS REGARDING FORWARD-LOOKING STATEMENTS

The information discussed in this Quarterly Report on Form 10-Q includes "forward-looking statements." These forward-looking statements are identified by their use of terms and phrases such as "may," "expect," "estimate," "project," "plan," "believe," "intend," "achievable," "anticipate," "continue," "potential," "should," "could," and similar terms and phrase Although we believe that the expectations reflected in these forward-looking statements are reasonable, they do involve certain assumptions, risks and uncertainties and we can give no assurance that such expectations or assumptions will be achieved. Important factors that could cause actual results to differ materially from those in the forward-looking statements are described under "Item 1A – Risk Factors" and "Item 7 – Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Annual Report on Form 10-K for the year ended December 31, 2017 and in this report. All forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by the cautionary statements in this paragraph and elsewhere in this Quarterly Report on Form 10-Q and speak only as of the date of this Quarterly Report on Form 10-Q. Other than as required under the securities laws, we do not assume a duty to update these forward-looking statements, whether as a result of new information, subsequent events or circumstances, changes in expectations or otherwise.

PART I. FINANCIAL INFORMATION

ITEM 1. Unaudited Condensed Consolidated Financial Statements

CYPRESS ENERGY PARTNERS, L.P.
Unaudited Condensed Consolidated Balance Sheets
As of September 30, 2018 and December 31, 2017
(in thousands, execut unit data)

(in thousands, except unit data)

	30,	31,
ACCETTO	2018	2017
ASSETS		
Current assets:	¢ 11 220	Φ Ω 4.500
Cash and cash equivalents	\$11,230	\$24,508
Trade accounts receivable, net	51,027	41,693
Prepaid expenses and other	1,511	2,294
Assets held for sale		2,172
Total current assets	63,768	70,667
Property and equipment:		
Property and equipment, at cost	23,694	22,700
Less: Accumulated depreciation	10,666	9,312
Total property and equipment, net	13,028	13,388
Intangible assets, net	23,433	25,477
Goodwill	50,370	53,435
Debt issuance costs, net	1,391	_
Other assets	285	236
Total assets	\$152,275	\$163,203
LIABILITIES AND OWNERS' EQUITY		
Current liabilities:		
Accounts payable	\$2,230	\$3,757
Accounts payable - affiliates	3,656	3,173
Accrued payroll and other	14,132	9,109
Liabilities held for sale		97
Income taxes payable	708	646
Current portion of long-term debt	_	136,293
Total current liabilities	20,726	153,075
Long-term debt	76,129	
Other non-current liabilities	369	143
Total liabilities	97,224	153,218

Commitments and contingencies - Note 8

Owners' equity:

September December

Partners' capital:

1		
Common units (11,946,040 and 11,889,958 units outstanding at September 30, 2018 and	35,266	34,614
December 31, 2017, respectively)	33,200	34,014
Preferred units (5,769,231 units outstanding at September 30, 2018)	44,671	
General partner	(25,876)	(25,876)
Accumulated other comprehensive loss	(2,616)	(2,677)
Total partners' capital	51,445	6,061
Noncontrolling interests	3,606	3,924
Total owners' equity	55,051	9,985
Total liabilities and owners' equity	\$ 152,275	\$163,203

See accompanying notes.

Unaudited Condensed Consolidated Statements of Operations

For the Three and Nine Months Ended September 30, 2018 and 2017

(in thousands, except unit and per unit data)

	Three Months Ended September 30,		Nine Months September 3	
Revenue Costs of services Gross margin	2018 \$84,778 71,870 12,908	2017 \$77,682 68,292 9,390	2018 \$226,072 194,092 31,980	2017 \$216,971 192,643 24,328
Operating costs and expense:				
General and administrative	6,064	5,574	17,341	16,013
Depreciation, amortization and accretion	1,124	1,184	3,368	3,561
Impairments			_	3,598
(Gains) losses on asset disposals, net	(822) 208	(4,137) 95
Operating income	6,542	2,424	15,408	1,061
Other (expense) income:				
Interest expense, net	(1,283) (1,907) (4,907) (5,411)
Debt issuance cost write-off	_	_	(114) —
Foreign currency gains (losses)	97	557	(354) 824
Other, net	95	17	302	122
Net income (loss) before income tax expense	5,451	1,091	10,335	(3,404)
Income tax expense	497	529	865	458
Net income (loss)	4,954	562	9,470	(3,862)
Net income (loss) attributable to noncontrolling interests	289	8	673	(1,290)
Net income (loss) attributable to partners / controlling interests	4,665	554	8,797	(2,572)
Net loss attributable to general partner		(1,000) —	(2,750)
Net income attributable to limited partners	4,665	1,554	8,797	178
Net income attributable to preferred unitholder	1,045		1,412	
Net income attributable to common unitholders	\$3,620	\$1,554	\$7,385	\$178
Net income per common limited partner unit:				
Basic	\$0.30	\$0.13	\$0.62	\$0.02
Diluted	\$0.26	\$0.13	\$0.59	\$0.02
Weighted average common units outstanding:				
Basic	11,940,032	11,884,196	5 11,924,183	10,902,838

Diluted	18,140,691	11,994,881	14,970,434	11,111,454
Weighted average subordinated units outstanding - basic and diluted	_	_	_	974,670
See accompanying notes.				

Unaudited Condensed Consolidated Statements of Comprehensive Income (Loss)

For the Three and Nine Months Ended September 30, 2018 and 2017

(in thousands)

	Three Months		Nine M	onths
	Ended		Ended	
	Septemb	per 30,	Septemb	per 30,
	2018	2017	2018	2017
Net income (loss)	\$4,954	\$562	\$9,470	\$(3,862)
Other comprehensive income (loss) - foreign currency translation	(71)	(207)	61	(187)
Comprehensive income (loss)	\$4,883	\$355	\$9,531	\$(4,049)
Comprehensive income attributable to preferred unitholders	1,045	_	1,412	
Comprehensive income (loss) attributable to noncontrolling interests	289	8	673	(1,290)
Comprehensive loss attributable to general partner	_	(1,000)	_	(2,750)
Comprehensive income (loss) attributable to common unitholders	\$3,549	\$1,347	\$7,446	\$(9)

See accompanying notes.

Unaudited Condensed Consolidated Statements of Cash Flows

For the Nine Months Ended September 30, 2018 and 2017

(in thousands)

	Nine Months Ended September 30, 2018 2017
Operating activities:	φο 4 7 0 φ(2.062)
Net income (loss)	\$9,470 \$(3,862)
Adjustments to reconcile net income (loss) to net cash provided by operating activities:	1.106
Depreciation, amortization and accretion	4,186 4,378
Impairments	— 3,598
(Gain) loss on asset disposals, net	(4,137) 95
Interest expense from debt issuance cost amortization	429 443
Debt issuance cost write-off	114 —
Equity-based compensation expense	908 1,136
Equity in earnings of investee	(169) (98)
Distributions from investee	113 75
Deferred tax benefit, net	— (361)
Non-cash allocated expenses	— 1,750
Foreign currency (gains) losses, net	354 (824)
Changes in assets and liabilities:	
Trade accounts receivable	(9,395) (11,583)
Prepaid expenses and other	891 (765)
Accounts payable and accrued payroll and other	4,129 6,552
Income taxes payable	62 (271)
Net cash provided by operating activities	6,955 263
Investing activities:	
Proceeds from fixed asset disposals	12,762 1,578
Purchases of property and equipment, excluding capital leases	(5,466) (1,182)
Net cash provided by investing activities	7,296 396
Financing activities:	
Issuance of preferred units, net of issuance costs	43,259 —
Repayments of long-term debt	(60,771) —
Debt issuance cost payments	(1,327) —
Taxes paid related to net share settlement of equity-based compensation	(131) (120)
Contributions attributable to general partner	— 1,000
Capital lease repayments	(8) —
Distributions to limited partners	(7,510) (9,813)
	(,,===) (,,===)

Distributions to noncontrolling interests Net cash used in financing activities	(991) (27,479)	(12) (8,945)
Effect of exchange rates on cash	11	831
Net decrease in cash and cash equivalents and restricted cash equivalents Cash and cash equivalents (including restricted cash equivalents of \$490 at December 31, 2017 and December 31, 2016), beginning of period Cash and cash equivalents (including restricted cash equivalents of \$551 at September 30, 2018 and \$490 at September 30, 2017), end of period	(13,217) 24,998 \$11,781	(7,455) 27,183 \$19,728
Non-cash items: Accounts payable excluded from capital expenditures Acquisitions of property and equipment included in liabilities	\$75 \$335	\$320 \$—

See accompanying notes.

Unaudited Condensed Consolidated Statement of Owners' Equity

For the Nine Months Ended September 30, 2018

(in thousands)

	Common Units	Preferred Units	General Partner	Accumulated Other Comprehensi Loss	Noncontro	Total lling Owners' Equity
Owners' equity at December 31, 2017	\$34,614	\$ —	\$(25,876)	\$ (2,677) \$ 3,924	\$9,985
Net income for the period January 1, 2018 through September 30, 2018	7,385	1,412	_		673	9,470
Issuance of preferred units, net		43,259			_	43,259
Foreign currency translation adjustment	_		_	61		61
Distributions to partners	(7,510)	_	_	_		(7,510)
Distributions to noncontrolling interests	_	_		_	(991) (991)
Equity-based compensation	908		_			908
Taxes paid related to net share settlement of equity-based compensation	(131)			_		(131)
Owners' equity at September 30, 2018	\$35,266	\$44,671	\$(25,876)	\$ (2,616) \$ 3,606	\$55,051

See accompanying notes.

Notes to the Unaudited Condensed Consolidated Financial Statements

1. Organization and Operations

Cypress Energy Partners, L.P. (the "Partnership") is a Delaware limited partnership formed in 2013 to provide independent pipeline inspection and integrity services to producers, public utility companies, and pipeline companies and to provide saltwater disposal and other water and environmental services to U.S. onshore oil and natural gas producers and trucking companies. Trading of our common units began January 15, 2014 on the New York Stock Exchange under the symbol "CELP".

Our business is organized into the Pipeline Inspection Services ("Pipeline Inspection"), Pipeline & Process Services ("Pipeline & Process Services"), and Water and Environmental Services ("Water Services") segments. The Pipeline Inspection segment generates revenue primarily by providing essential inspection and integrity services on a variety of infrastructure assets including midstream pipelines, gathering systems, and distribution systems. Services include non-destructive examination, mechanical integrity, inline support, PIG tracking, survey, data gathering, and supervision of third-party contractors. Our results in this segment are driven primarily by the number of inspectors that perform services for our customers and the fees that we charge for those services, which depend on the type, skills, technology, equipment, and number of inspectors used on a particular project, the nature of the project, and the duration of the project. The number of inspectors engaged on projects is driven by the type of project, prevailing market rates, the age and condition of customers' assets including pipelines, gas plants, compression stations, storage facilities, and gathering and distribution systems including the legal and regulatory requirements relating to the inspection and maintenance of those assets. Our customers are also billed for per diem charges, mileage, and other reimbursement items. Revenue and costs in this segment may be subject to seasonal variations and interim activity may not be indicative of yearly activity, considering many of our customers develop yearly operating budgets and enter into contracts with us during the winter season for work to be performed during the remainder of the year. Additionally, inspection work throughout the United States during the winter months (especially in the northern states) may be hampered or delayed due to inclement weather, thus affecting our revenue and costs.

The Pipeline & Process Services segment (formerly our Integrity Services segment) generates revenue primarily by providing essential midstream services including hydrostatic testing services and chemical cleaning to energy companies and pipeline construction companies of newly-constructed and existing pipelines and related infrastructure. We generally charge our customers in this segment on a fixed-bid basis, depending on the size and length of the pipeline being tested, the complexity of services provided, and the utilization of our work force and equipment. Our results in this segment are driven primarily by the number of field personnel that perform services for our customers and the fees that we charge for those services, which depend on the type and number of field personnel used on a particular project, the type of equipment used and the fees charged for the utilization of that equipment, and the nature and duration of the project.

The Water Services segment owns and operates nine (9) Environmental Protection Agency Class II saltwater disposal facilities in the Williston Basin region of North Dakota. Eight (8) of the facilities are wholly-owned and we have ten (10) pipelines from multiple E&P customers connected to these saltwater disposal facilities, including two (2) that were developed and are owned by the Partnership. Approximately 95% of our disposal water is produced water that is generated during the production life of an oil and gas well and approximately 41% of our water is delivered via pipeline to our saltwater disposal facilities. We currently serve in excess of 75 customers. Our saltwater disposal facilities provide essential midstream services to oil and natural gas upstream producers and their transportation companies. All of the saltwater disposal facilities utilize specialized equipment and remote monitoring to minimize the facilities' downtime and increase the facilities' efficiency for peak utilization. These facilities also utilize oil skimming and recovery processes that remove residual oil from water delivered to our saltwater disposal facilities via pipeline or truck. We sell the oil recovered from these skimming processes, which contributes to our revenues. In addition to these saltwater disposal facilities, we provide management and staffing services to a saltwater disposal facility in which we own a 25% ownership interest (see Note 7).

2. Basis of Presentation and Summary of Significant Accounting Policies

Basis of Presentation

The Unaudited Condensed Consolidated Financial Statements as of and for the three months ended September 30, 2018 and 2017 and for the nine months ended September 30, 2018 and 2017 include our accounts and those of our controlled subsidiaries. Investments over which we exercise significant influence, but do not control, are accounted for using the equity method of accounting. Intercompany transactions and account balances have been eliminated in consolidation. The Unaudited Condensed Consolidated Balance Sheet at December 31, 2017 is derived from our audited financial statements.

The accompanying Unaudited Condensed Consolidated Financial Statements have been prepared in accordance with accounting principles generally accepted in the United States ("GAAP") for interim consolidated financial information and in accordance with the rules and regulations of the Securities and Exchange Commission (the "SEC"). The Unaudited Condensed Consolidated Financial Statements include all adjustments considered necessary for a fair presentation of the consolidated financial position and consolidated results of operations for the interim periods presented. Such adjustments consist only of normal recurring items, unless otherwise disclosed herein. Accordingly, the Unaudited Condensed Consolidated Financial Statements do not include all of the information and notes required by GAAP for complete consolidated financial statements. However, we believe that the disclosures made are adequate to make the information not misleading. These interim Unaudited Condensed Consolidated Financial Statements should be read in conjunction with our audited financial statements as of and for the year ended December 31, 2017 included in our Form 10-K. The results of operations for interim periods are not necessarily indicative of the results to be expected for a full year.

Use of Estimates in the Preparation of Financial Statements

The preparation of our Unaudited Condensed Consolidated Financial Statements in conformity with GAAP requires management to make estimates and assumptions that affect the amounts reported in these financial statements and accompanying notes. Actual results could differ from those estimates.

Notes to the Unaudited Condensed Consolidated Financial Statements

Significant Accounting Policies

Our significant accounting policies are consistent with those disclosed in Note 2 to our audited financial statements as of and for the year ended December 31, 2017 included in our Form 10-K, except for the adoption of Accounting Standards Update ("ASU") 2014-09 - Revenue from Contracts with Customers and ASU 2016-18 - Statement of Cash Flows - Restricted Cash on January 1, 2018. Under ASU 2014-09, an entity should recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services. Based on this new accounting guidance, our revenue is earned and recognized through the service offerings of our three reportable business segments. Our sales contracts have terms of less than one year. As such, we have used the practical expedient contained within the accounting guidance which exempts us from the requirement to disclose the transaction price allocated to remaining performance obligations if the performance obligation is part of a contract with an original expected duration of one year or less. See Note 10 for disaggregated revenue reported by segment and for disclosure regarding variable consideration. The adoption and application of this ASU had no effect on our Unaudited Condensed Consolidated Financial Statements, other than additional disclosures included in this Form 10-Q. Under ASU 2016-18, an entity is required to show changes in the total of cash, cash equivalents, restricted cash, and restricted cash equivalents in the statement of cash flows. The adoption and application of this ASU has modified the presentation of cash, cash equivalents, restricted cash, and restricted cash equivalents on our Unaudited Condensed Consolidated Statements of Cash Flows applied on a retrospective basis.

Accounts Receivable and Allowance for Bad Debts

We grant unsecured credit to customers under normal industry standards and terms, and have established policies and procedures that allow for an evaluation of each of our customer's creditworthiness. We typically receive payment from our customers 45 to 90 days after the services have been performed. The Partnership determines allowances for bad debts based on management's assessment of the creditworthiness of our customers. Trade receivables are written off against the allowance when deemed uncollectible. Recoveries of trade receivables previously written off are recorded when cash is received. In the first quarter of 2017, we received \$0.3 million on accounts receivable previously reserved, which we recorded as a reduction to *general and administrative expense* in our Unaudited Condensed Consolidated Statements of Operations.

Income Taxes

As a limited partnership, we generally are not subject to federal, state, or local income taxes. The tax on our net income is generally borne by the individual partners. Net income (loss) for financial statement purposes may differ significantly from taxable income (loss) of the partners as a result of differences between the tax basis and financial reporting basis of assets and liabilities and the taxable income allocation requirements under our partnership agreement. The aggregated difference in the basis of our net assets for financial and tax reporting purposes cannot be readily determined because information regarding each partner's tax attributes is not available to us.

The income of Tulsa Inspection Resources – Canada, ULC, our Canadian subsidiary, is taxable in Canada. Tulsa Inspection Resources – PUC, LLC, a subsidiary of our Pipeline Inspection segment that performs pipeline inspection services for utility customers, and Brown Integrity – PUC, LLC, a subsidiary in which we own a 51% membership interest, have elected to be taxed as corporations for U.S. federal income tax purposes, and therefore, these subsidiaries are subject to U.S. federal and state income tax. The amounts recognized as income tax expense (benefit), income taxes payable, and deferred tax assets / liabilities in our Unaudited Condensed Consolidated Financial Statements include the Canadian income taxes and U.S. federal and state income taxes referred to above, as well as partnership-level taxes levied by various states, which primarily include franchise taxes assessed by the state of Texas.

As a publicly-traded partnership, we are subject to a statutory requirement that 90% of our total gross income represent "qualifying income" (as defined by the Internal Revenue Code, related Treasury Regulations, and Internal Revenue Service pronouncements), determined on a calendar-year basis. If our qualifying income does not meet this statutory requirement, we could be taxed as a corporation for federal and state income tax purposes. Our income has met the statutory qualifying income requirement each year since our initial public offering ("IPO").

Notes to the Unaudited Condensed Consolidated Financial Statements

Noncontrolling Interest

We own a 51% interest in Brown Integrity, LLC ("Brown") and a 49% interest in CF Inspection Management, LLC ("CF Inspection"). The accounts of these subsidiaries are included in our Unaudited Condensed Consolidated Financial Statements. The portion of the net income (loss) of these entities that is attributable to outside owners is reported as net income (loss) attributable to noncontrolling interests in our Unaudited Condensed Consolidated Statements of Operations, and the portion of the net assets of these entities that is attributable to outside owners is reported as noncontrolling interests in our Unaudited Condensed Consolidated Balance Sheets.

Property and Equipment

Property and equipment consists of land, land and leasehold improvements, buildings, facilities, wells and related equipment, computer and office equipment, and vehicles. We record property and equipment at cost. Costs of improvements that substantially extend the useful lives of the assets are capitalized. Maintenance and repairs are expensed as incurred. We depreciate property and equipment on a straight-line basis over the estimated useful lives of the assets. Upon retirement or disposition of an asset, we remove the cost and related accumulated depreciation from the balance sheet and report the resulting gain or loss, if any, in the Unaudited Condensed Consolidated Statements of Operations.

We assess property and equipment for possible impairment whenever events or changes in circumstances indicate that the carrying value of the assets may not be recoverable. Such indicators include, among others, the nature of the asset, the projected future economic benefit of the asset, changes in regulatory and political environments, and historical and future cash flow and profitability measurements. If the carrying value of an asset exceeds the future undiscounted cash flows expected from the asset, we recognize an impairment charge for the excess of the carrying value of the asset over its estimated fair value. Determinations as to whether and how much an asset is impaired involve management estimates on highly uncertain matters such as future commodity prices, the effects of inflation on operating expenses, and the outlook for national or regional market supply and demand for the services we provide.

Identifiable Intangible Assets

Our intangible assets consist primarily of customer relationships, trade names, and our database of inspectors. We recorded these intangible assets as part of our accounting for the acquisitions of businesses, and we amortize these assets on a straight-line basis over their estimated useful lives, which typically range from 5-20 years.

We review our intangible assets for impairment whenever events or circumstances indicate that the asset group to which they relate may be impaired. To perform an impairment assessment, we first determine whether the cash flows expected to be generated from the asset group exceed the carrying value of the asset group. If such estimated cash flows do not exceed the carrying value of the asset group, we reduce the carrying values of the assets to their fair values and record a corresponding impairment loss.

Goodwill

Goodwill is not amortized, but is subject to an annual review for impairment on November 1 (or at other dates if events or changes in circumstances indicate that the carrying value of goodwill may be impaired) at a reporting unit level. The reporting units used to evaluate and measure goodwill for impairment are determined primarily from the manner in which the business that relates to the applicable goodwill is managed or operated. We have determined that our Pipeline Inspection, Pipeline & Process Services, and Water Services segments are the appropriate reporting units for testing goodwill impairment.

To perform a goodwill impairment assessment, we perform an analysis to assess whether it is more likely than not that the fair value of the reporting unit exceeds its carrying value. If we determine that it is more likely than not that the carrying value of the reporting unit exceeds its fair value, we reduce the carrying value of goodwill and record a corresponding impairment expense.

Notes to the Unaudited Condensed Consolidated Financial Statements

Accrued Payroll and Other

Accrued payroll and other on our Unaudited Condensed Consolidated Balance Sheets includes the following:

	September 30, 2018	De	cember 31, 2017
	(in thousan	ds)	
Accrued payroll	\$ 11,148	\$	6,893
Customer deposits	1,893		1,510
Other	1,091		706
	\$ 14,132	\$	9,109

Foreign Currency Translation

Our Unaudited Condensed Consolidated Financial Statements are reported in U.S. dollars. We translate our Canadian-dollar-denominated assets and liabilities into U.S. dollars at the exchange rate in effect at the balance sheet date. We translate our Canadian-dollar-denominated revenues and expenses into U.S. dollars at the average exchange rate in effect during the period in which the applicable revenues and expenses were recorded.

Our Unaudited Condensed Consolidated Balance Sheet at September 30, 2018 includes \$2.6 million of *accumulated other comprehensive loss* associated with accumulated currency translation adjustments, all of which relate to our Canadian operations. If at some point in the future we were to sell or substantially liquidate our Canadian operations, we would reclassify the balance in *accumulated other comprehensive loss* to other accounts within *partners' capital*, which would be reported in the Unaudited Condensed Consolidated Statement of Operations as a reduction to net income.

Our Canadian subsidiary has certain intercompany payables to our U.S.-based subsidiaries. These intercompany payables and receivables among our consolidated subsidiaries are eliminated in our Unaudited Condensed Consolidated Balance Sheets. Beginning April 1, 2017, we report currency translation adjustments on these intercompany payables and receivables within *foreign currency gains (losses)* in our Unaudited Condensed

Consolidated Statements of Operations, with offsetting amounts reported within *other comprehensive income* (*loss*) in our Unaudited Condensed Consolidated Statements of Comprehensive Income (Loss).

New Accounting Standards

On January 1, 2018, we adopted the following new accounting standards issued by the Financial Accounting Standards Board ("FASB");

The FASB issued Accounting Standards Update ("ASU") 2014-09 – *Revenue from Contracts with Customers* in May 2014. ASU 2014-09 is intended to clarify the principles for recognizing revenue and to develop a common standard for recognizing revenue for GAAP and International Financial Reporting Standards that is applicable to all organizations. This guidance requires an entity to recognize revenue when it transfers promised goods or services to customers in an amount that reflects the consideration the entity expects to receive in exchange for those goods and services. It also requires additional disclosure about the nature, amount, timing, and uncertainty of revenue and cash flows arising from customer contracts, including significant judgments and changes in judgments and assets recognized from costs incurred to obtain or fulfill a contract. We adopted this new standard utilizing the modified retrospective transition approach. The adoption of this ASU had no effect on our Unaudited Condensed Consolidated Financial Statements other than additional disclosures included in our Unaudited Condensed Consolidated Financial Statements.

The FASB issued ASU 2016-18 - *Statement of Cash Flows - Restricted Cash* in November 2016. This ASU requires entities to show the changes in the total of cash, cash equivalents, restricted cash, and restricted cash equivalents in the statement of cash flows on a retrospective basis. The requirements of this ASU have been reflected in our Unaudited Condensed Consolidated Statements of Cash Flows for all periods presented.

Notes to the Unaudited Condensed Consolidated Financial Statements

Other accounting guidance proposed by the FASB that may impact our Unaudited Condensed Consolidated Financial Statements, which we have not yet adopted includes:

The FASB issued ASU 2016-02 – *Leases* in February 2016, which supersedes current lease guidance. This guidance attempts to increase transparency and comparability among organizations by recognizing certain lease assets and lease liabilities on the balance sheet and disclosing key information about leasing arrangements. The main difference between previous GAAP methodology and the method proposed by this new guidance is the recognition on the balance sheet of certain lease assets and lease liabilities by lessees for those leases that were classified as operating leases under previous GAAP.

We plan to make accounting policy elections to not capitalize leases with a lease term of twelve months or less and to not separate lease and non-lease components for all asset classes. We also plan to elect the package of practical expedients within ASU 2016-02 that allows an entity to not reassess prior to the effective date (i) whether any expired or existing contracts are or contain leases, (ii) the lease classification for any expired or existing leases, or (iii) initial direct costs for any existing leases, but do not plan to elect the practical expedient of hindsight when determining the lease term of existing contracts at the effective date.

In July 2018, the FASB issued ASU 2018-11 – *Targeted Improvements* which provides entities with a transition option to not restate the comparative periods for the effects of applying the new leasing standard (i.e. comparative periods presented in the Unaudited Condensed Consolidated Financial Statements will continue to be in accordance with Accounting Standards Codification 840). We will adopt the new standard on the effective date of January 1, 2019 and expect to use a modified retrospective approach as permitted under ASU 2018-11. We continue to evaluate the impact this ASU will have on our Unaudited Condensed Consolidated Balance Sheets and the related disclosures. We expect the effects of implementing ASU 2016-02 will be material to our Unaudited Condensed Consolidated Balance Sheets related to the addition of the right-of-use asset and associated lease liability, but immaterial to our Unaudited Condensed Consolidated Statements of Operations and Unaudited Condensed Consolidated Statements of Cash Flows. Liabilities recorded as a result of this standard will be excluded from the definition of indebtedness under our credit facility and therefore, will not adversely impact the leverage ratio under our credit facility.

3. Impairments

During the three months ended March 31, 2017, the largest customer of TIR-Canada, the Canadian subsidiary of our Pipeline Inspection segment, completed a bid process and selected different service providers for its inspection projects. These rates were lower than we were prepared to extend to this client. In consideration of the expiration and non-renewal of this contract, we recorded impairments to the carrying values of certain intangible assets of \$1.3 million during the three months ended March 31, 2017. Of this amount, \$1.1 million related to customer relationships

and \$0.2 million related to trade names.

During the three months ended March 31, 2017, we recorded an impairment to the remaining \$1.6 million carrying value of the goodwill of our Pipeline & Process Services segment. Revenues of this segment were lower than we had expected for the first quarter of 2017. In addition, for this segment, the level of bidding activity for work is typically high in March and April once customers have finalized their budgets for the upcoming year. While we won bids on a number of projects, and our backlog began to improve, the improvement in the backlog was slower than we had originally anticipated, and we revised downward our expectations of the near-term operating results of the segment. We estimated the fair value of the Pipeline & Process Services segment utilizing the income approach (discounted cash flows valuation method), which is a Level 3 input as defined in ASC 820 – Fair Value Measurement. Significant inputs in the valuation included projections of future revenue, anticipated operating costs and appropriate discount rates. Significant assumptions included a 2% annual growth rate of cash flows and a discount rate of 18%. We determined through this analysis that the fair value of goodwill of the Pipeline & Process Services segment was fully impaired. These calculations represent Level 3 non-recurring fair value measurement.

During the three months ended March 31, 2017, we recorded an impairment of \$0.7 million to the property and equipment at one of our saltwater disposal facilities. We have experienced low volumes at this facility due to competition in the area and to low levels of exploration and production activity near the facility. The impairment reduced the carrying value of the facility to \$0.1 million, all of which is attributable to land.

Notes to the Unaudited Condensed Consolidated Financial Statements

4.Debt

Credit Agreement

On May 29, 2018, we entered into an amended and restated credit agreement (as amended and restated, the "Credit Agreement") that provides up to \$90.0 million in borrowing capacity, subject to certain limitations, and contains an accordion feature that allows us to increase the borrowing capacity to \$110.0 million if the lenders agree to increase their commitments in the future or if other lenders join the facility. The three-year Credit Agreement matures May 29, 2021. The obligations under the Credit Agreement are secured by a first priority lien on substantially all of our assets. The credit agreement as it existed prior to the May 29, 2018 amendment will hereinafter be referred to as the "Previous Credit Agreement" or, together with the Credit Agreement, as the "Credit Agreements".

Outstanding borrowings at September 30, 2018 were \$76.1 million and are reflected as *long-term debt* on the Unaudited Condensed Consolidated Balance Sheets beginning May 29, 2018. Debt issuance costs are reported as *debt issuance costs*, *net* on the Unaudited Condensed Consolidated Balance Sheets and total \$1.4 million at September 30, 2018. Outstanding borrowings at December 31, 2017 were \$136.9 million and are reflected net of debt issuance costs of \$0.6 million as *current portion of long-term debt* on the Unaudited Condensed Consolidated Balance Sheet. At December 31, 2017, the outstanding balance was classified as current due to the fact that the facility was scheduled to mature within one year. The carrying value of our long-term debt approximates fair value, as the borrowings under the Credit Agreement are considered to be priced at market for debt instruments having similar terms and conditions (Level 2 of the fair value hierarchy).

We incurred certain debt issuance costs associated with the Previous Credit Agreement, which we were amortizing on a straight-line basis over the life of the Previous Credit Agreement. Upon amending the Credit Agreement in May 2018, we wrote off \$0.1 million of these debt issuance costs and reported this expense within *debt issuance cost write-off* in our Unaudited Condensed Consolidated Statements of Operations for the nine months ended September 30, 2018, which represented the portion of the unamortized debt issuance costs attributable to lenders who are no longer participating in the credit facility subsequent to the amendment. The remaining debt issuance costs associated with the Previous Credit Agreement, along with \$1.3 million of debt issuance costs associated with the amended and restated Credit Agreement, are being amortized on a straight-line basis over the three-year term of the Credit Agreement.

All borrowings under the Credit Agreement bear interest, at our option, on a leveraged based grid pricing at (i) a base rate plus a margin of 1.5% to 3.0% per annum ("Base Rate Borrowing") or (ii) an adjusted LIBOR rate plus a margin of 2.5% to 4.0% per annum ("LIBOR Borrowings"). The applicable margin is determined based on the leverage ratio of the Partnership, as defined in the Credit Agreement. Generally, the interest rate on our borrowings ranged between 4.74% and 5.95% for the nine months ended September 30, 2018 and 3.90% and 4.99% for the nine months ended September 30, 2017. Interest on Base Rate Borrowings is payable monthly. Interest on LIBOR Borrowings is paid upon maturity of the underlying LIBOR contract, but no less often than quarterly. Commitment fees are charged at a rate of 0.50% on any unused credit and are payable quarterly. Interest paid during the three months ended September 30, 2018 and 2017 was \$1.1 million and \$1.7 million respectively, including commitment fees. Interest paid during the nine months ended September 30, 2018 and 2017 was \$4.6 million and \$5.0 million, respectively, including commitment fees.

The Credit Agreement contains various customary covenants and restrictive provisions. The Credit Agreement also requires maintenance of certain financial covenants, including a leverage ratio (as defined in the Credit Agreement) of not more than 4.0 to 1.0 and an interest coverage ratio (as defined in the Credit Agreement) of not less than 3.0 to 1.0. At September 30, 2018, our leverage ratio was 3.32 to 1.0 and our interest coverage ratio was 5.24 to 1.0, pursuant to the Credit Agreement. Upon the occurrence and during the continuation of an event of default, subject to the terms and conditions of the Credit Agreement, the lenders may declare any outstanding principal, together with any accrued and unpaid interest, to be immediately due and payable and may exercise the other remedies set forth or referred to in the Credit Agreement. We were in compliance with all debt covenants as of September 30, 2018.

In addition, the Credit Agreement restricts our ability to make distributions on, or redeem or repurchase, our equity interests, with certain exceptions detailed in the Credit Agreement. However, we may make distributions of available cash so long as, both at the time of the distribution and after giving effect to the distribution, no default exists under the Credit Agreement, we are in compliance with the financial covenants in the Credit Agreement, and we have at least \$5.0 million of unused capacity on the Credit Agreement at the time of the distribution.

Notes to the Unaudited Condensed Consolidated Financial Statements

Capital Leases

During the third quarter of 2018, our Pipeline and Process Services and Water Services segments leased vehicles for \$0.3 million under lease agreements at interest rates of 6.16% that are classified as capital leases. The leased vehicles are amortized on a straight-line basis over the lease terms of four years. Minimum lease payments will be less than \$0.1 million in 2018 and \$0.1 million for the years ended December 31, 2019 through 2021. The \$0.3 million capital lease obligation is reflected in the Unaudited Condensed Consolidated Balance Sheet at September 30, 2018 in accrued payroll and other (\$0.1 million) and other non-current liabilities (\$0.2 million).

5. Income Taxes

The *income tax expense* reported in our Unaudited Condensed Consolidated Statements of Operations for the three and nine months ended September 30, 2018 and 2017 differs from the statutory tax rate of 21% in 2018 and 35% in 2017 due to the fact that, as a partnership, we are generally not subject to U.S. federal or state income taxes. Our income tax provision relates primarily to (1) our U.S. corporate subsidiaries that provide services to public utility customers, which may not fit within the definition of qualified income as it is defined in the Internal Revenue Code, Regulations, and other guidance, which subjects this income to U.S. federal and state income taxes, (2) our Canadian subsidiary, which is subject to Canadian federal and provincial income taxes, and (3) certain other state income taxes, including the Texas franchise tax.

6. Equity

Series A Preferred Units

On May 29, 2018 (the "Closing Date"), we entered into a Series A Preferred Unit Purchase Agreement (the "Preferred Unit Purchase Agreement") with Stephenson Equity, Co. No. 3 which subsequently assigned the units to Charles C. Stephenson, Jr. (the "Purchaser"), an affiliate of our General Partner, where we issued and sold in a private placement 5,769,231 Series A Preferred Units representing limited partner interests in the Partnership (the "Preferred Units") to the Purchaser for a cash purchase price of \$7.54 per Preferred Unit, resulting in proceeds to the Partnership of \$43.5 million. We used proceeds from the transaction to reduce outstanding borrowings on our revolving credit facility. Concurrent with the closing of this transaction, we entered into an amended and restated Credit Agreement dated as of

May 29, 2018, to amend and restate the terms of our credit facility, as more fully described in Note 4.

The Preferred Unit Purchase Agreement also provides us with the right to exercise an option at any time during the six months after the Closing Date, to issue and sell to the Purchaser up to \$6.5 million of additional Preferred Units. The Preferred Unit Purchase Agreement sets forth the method of determining the purchase price of these additional units, which price would, in turn, determine the number of units to be issued and sold.

The Preferred Unit Purchase Agreement contains customary representations, warranties, and covenants of the Partnership and the Purchaser. The Partnership and the Purchaser agreed to indemnify each other and their respective officers, directors, managers, employees, agents, counsel, accountants, investment bankers, and other representatives against certain losses resulting from breaches of their respective representations, warranties, and covenants, subject to certain negotiated limitations and survival periods set forth in the Preferred Unit Purchase Agreement.

Pursuant to the Preferred Unit Purchase Agreement, and in connection with the closing of this transaction, our General Partner executed the First Amendment to First Amended and Restated Agreement of Limited Partnership of the Partnership, which authorizes and establishes the rights and preferences of the Preferred Units. The Preferred Units shall have voting rights that are identical to the voting rights of the common units into which such Preferred Units would be converted at the then-applicable conversion rate.

The Purchaser is entitled to receive quarterly distributions that represent an annual return of 9.5% on the Preferred Units. Of this 9.5% annual return, we will be required to pay at least 2.5% in cash and will have the option to pay the remaining 7.0% in kind (in the form of issuing additional preferred units) for the first twelve quarters after the Closing Date. We intend to pay the first distribution on the Preferred Units of \$1.4 million in November 2018 in cash.

Notes to the Unaudited Condensed Consolidated Financial Statements

After the third anniversary of the Closing Date, the Purchaser will have the option to convert the Preferred Units into common units on a one-for-one basis. If certain conditions are met after the third anniversary of the Closing Date, we will have the option to cause the Preferred Units to convert to common units. After the third anniversary of the Closing Date, we will also have the option to redeem the Preferred Units. The Partnership may redeem the Preferred Units (a) before November 29, 2018 at a redemption price equal to 100% of the issue price (plus \$0.2 million), (b) at any time after the third anniversary of the closing date and on or prior to the fourth anniversary of the closing date at a redemption price equal to 105% of the issue price, and (c) at any time after the fourth anniversary of the closing date at a redemption price equal to 101% of the issue price.

Earnings Per Unit

Our *net income* (*loss*) is attributable and allocable to four ownership groups: (1) our preferred unitholder, (2) the noncontrolling interests in certain subsidiaries, (3) our General Partner, and (4) our common unitholders. *Income attributable to our preferred unitholder* represents the 9.5% annual return to which the owner of the Preferred Units is entitled. *Net income* (*loss*) attributable to noncontrolling interests represent 49% of the income (loss) generated by Brown and 51% of the income (loss) generated by CF Inspection. *Net loss attributable to the General Partner* includes expenses incurred by Holdings and not charged to us. *Net income* (*loss*) attributable to common unitholders represents our remaining net income (loss), after consideration of amounts attributable to our preferred unitholder, the noncontrolling interests, and our General Partner. In February 2017, all the then-outstanding subordinated units converted into common units. Since the subordinated units did not share in the distribution of cash generated subsequent to December 31, 2016, we did not allocate any income or loss after that date to the subordinated units.

Basic net income (loss) per common limited partner unit is calculated as net income (loss) attributable to common unitholders divided by the basic weighted average common units outstanding. Diluted net income (loss) per common limited partner unit includes the net income attributable to preferred unitholder and the dilutive effect of the potential conversion of the preferred units and the dilutive effect of the unvested equity compensation. The following summarizes the calculation of the basic net income per common limited partner unit for the three and nine months ended September 30, 2018 and 2017:

Three Months
Ended September
30,
2018
2017
Since Months
Ended September
30,
2018
2017
2018
2017

	(in thousands, except per unit data)			
Net income attributable to common unitholders	\$3,620	\$1,554	\$7,385	\$178
Weighted average common units outstanding	11,940	11,884	11,924	10,903
Basic net income per common limited partner unit	\$0.30	\$0.13	\$0.62	\$0.02

The following summarizes the calculation of the *diluted net income per common limited partner unit* for the three and nine months ended September 30, 2018 and 2017:

	Three Months Ended September 30,		Nine Mor Ended Se 30,	
	2018	2017	2018	2017
	(in thousands, except per unit data)			
Net income attributable to common unitholders	\$3,620	\$1,554	\$7,385	\$178
Net income attributable to preferred unitholder	1,045	_	1,412	_
Net income attributable to limited partners	\$4,665	\$1,554	\$8,797	\$178
Weighted average common units outstanding Effect of dilutive securities:	11,940	11,884	11,924	10,903
Weighted average preferred units outstanding	5,769		2,628	
Long-term incentive plan unvested units	431	111	418	208
Diluted weighted average common units outstanding	18,140	11,995	14,970	11,111
Diluted net income per common limited partner unit	\$0.26	\$0.13	\$0.59	\$0.02

Notes to the Unaudited Condensed Consolidated Financial Statements

Cash Distributions

The following table summarizes the cash distributions declared and paid to our limited partners since our IPO.

			Total Cash
	Per Unit Cash	Total Cash	Distributions
Payment Date	Distributions	Distributions (a)	
		(in thousands)	
Total 2014 Distributions	1.104646	13,064	8,296
Total 2015 Distributions	1.625652	19,232	12,284
Total 2016 Distributions	1.625652	19,258	12,414
February 13, 2017	0.406413	4,823	3,107
May 13, 2017	0.210000	2,495	1,606
August 12, 2017	0.210000	2,495	1,607
November 14, 2017	0.210000	2,497	1,608
Total 2017 Distributions	1.036413	12,310	7,928
February 14, 2018	0.210000	2,498	1,599
May 15, 2018	0.210000	2,506	1,604
August 14, 2018	0.210000	2,506	1,604
November 14, 2018 (b)	0.210000	2,509	1,606
Total 2018 Distributions	0.840000	10,019	6,413
Total Distributions (since IPO)	\$ 6.232363	\$73,883	\$ 47,335

⁽a) Approximately 63.9% of the Partnership's outstanding common units at September 30, 2018 were held by affiliates.

In addition, the owner of the Series A Preferred Units is entitled to receive quarterly distributions that represent an annual return of 9.5% on the Preferred Units. Of this 9.5% annual return, we will be required to pay at least 2.5% in cash and will have the option to pay the remaining 7.0% in kind (in the form of issuing additional preferred units) for the first twelve quarters after the Closing Date. We expect to pay the first distribution on the Preferred Units in

⁽b) Third quarter 2018 distribution was declared and will be paid in the fourth quarter of 2018.

November 2018 in the amount of \$1.4 million in cash.

Notes to the Unaudited Condensed Consolidated Financial Statements

Equity Compensation

Our General Partner has adopted a long-term incentive plan ("LTIP") that authorizes the issuance of up to 1,182,600 common units. Certain directors and employees of the Partnership have been awarded Phantom Restricted Units under the terms of the LTIP. The fair value of the awards is determined based on the quoted market value of the publicly-traded common units at each grant date, adjusted for a discount to reflect the fact that distributions are not paid on the restricted units during the vesting period. Compensation expense is recorded on a straight-line basis over the vesting period of each grant. We recorded expense of \$0.9 million and \$1.1 million during the nine months ended September 30, 2018 and 2017, respectively, related to the unit awards. We have historically granted annual LTIP awards to key employees in the second quarter of each year.

The following table summarizes the LTIP unit activity for the nine months ended September 30, 2018 and 2017:

	Nine Months Ended September 30,					
	2018		2017			
		Weighted		Weighted		
		Average		Average		
		Grant		Grant		
	Number	Date Fair	Number	Date Fair		
	of Units	Value /	of Units	Value /		
	or Omis	Unit	or Omis	Unit		
Unvested units at January 1	664,509	\$ 8.46	573,902	\$ 9.86		
Unvested units granted	396,484	\$ 3.24	249,120	\$ 7.11		
Units vested	(75,222)	\$ 13.56	(43,930)	\$ 16.56		
Unvested units forfeited	(85,092)	\$ 7.07	(39,722)	\$ 8.51		
Unvested units at September 30	900,679	\$ 5.87	739,370	\$ 8.61		

The majority of the awards vest in three tranches, with one-third of the units vesting three years from the grant date, one-third vesting four years from the grant date, and one-third vesting five years from the grant date. However, certain of the awards have different, and typically shorter, vesting periods. One grant of 29,602 units vests three years from the grant date, contingent upon the recipient meeting certain performance targets. Total unearned compensation associated with the LTIP was \$3.2 million at September 30, 2018, and the awards had an average remaining life of 2.31 years.

CYPRESS ENERGY PARTNERS, L.P.

Notes to the Unaudited Condensed Consolidated Financial Statements

7. Related-Party Transactions

Omnibus Agreement and Other Support from Holdings

We are party to an omnibus agreement with Holdings and other related parties. The omnibus agreement governs the following matters, among other things:

our payment of a quarterly administrative fee in the amount of \$1.0 million to Holdings for providing certain partnership overhead services, including certain executive management services by certain officers and employees of our General Partner. This fee also includes the incremental general and administrative expenses we incur as a result of being a publicly-traded partnership. For the nine months ended September 30, 2018 and for the three months ended September 30, 2017, this fee was paid to Holdings in accordance with its terms and conditions. For the six months ended June 30, 2017, Holdings provided sponsor support to the Partnership by waiving payment of the quarterly administrative fee. The fee will be adjusted each year by an inflation adjustment as outlined in the omnibus agreement. If any additional modifications to this agreement are proposed, they would require approval by the Conflicts Committee of our Board of Directors.

our right of first offer on Holdings' and its subsidiaries' assets used in, and entities primarily engaged in, providing saltwater disposal and other water and environmental services, and pipeline inspection and integrity services; and

indemnification of us by Holdings for certain environmental and other liabilities, including events and conditions associated with the operation of assets that occurred prior to the closing of the IPO and our obligation to indemnify Holdings for events and conditions associated with the operation of our assets that occur after the closing of the IPO and for environmental liabilities related to our assets to the extent Holdings is not required to indemnify us.

So long as affiliates of Holdings control our General Partner, the omnibus agreement will remain in effect, unless we and Holdings agree to terminate it sooner. If affiliates of Holdings cease to control our General Partner, either party may terminate the omnibus agreement, provided that the indemnification obligations will remain in full force and effect in accordance with their terms. We and Holdings may agree to amend the omnibus agreement; however, amendments will also require the approval of the Conflicts Committee of our Board of Directors. As part of our new Credit Agreement, Holdings agreed to waive the omnibus fee to support us in the event our leverage ratio were to exceed 3.75 times our trailing twelve-month Adjusted EBITDA at any quarter-end during the term of the credit facility.

To the extent that Holdings incurs expenses on behalf of the Partnership in excess of administrative expense amounts paid under the omnibus agreement (including executive management services, payroll services, general and administrative costs incurred as a result of being a publicly traded partnership, and other allocated costs), the excess is allocated to the Partnership as non-cash allocated costs. The non-cash allocated amounts are reported as *general and administrative expenses* in the Unaudited Condensed Consolidated Statement of Operations and as a *contribution attributable to general partner* in the Unaudited Condensed Consolidated Statement of Owners' Equity. These costs are included as a component of *net loss attributable to general partner* in the Unaudited Condensed Consolidated Statements of Operations. Non-cash allocated costs reported in our financial statements were \$1.8 million for the nine months ended September 30, 2017. The allocation methods utilized in determining the non-cash allocated costs are primarily based on direct expenses incurred and allocation of salaries based on percent of time incurred and represent a reasonable allocation of costs incurred by Holdings on behalf of the Partnership.

In addition to funding certain general and administrative expenses on our behalf, Holdings provided us with additional financial support by contributing \$1.0 million for the three months ended September 30, 2017 in cash, as a reimbursement of certain expenditures incurred by us. This payment is reflected as a *contribution attributable to general partner* in the Unaudited Condensed Consolidated Statement of Owners' Equity and as a component of the *net loss attributable to the general partner* in the Unaudited Condensed Consolidated Statements of Operations. Holdings has not provided any financial support to us in 2018.

CYPRESS ENERGY PARTNERS, L

Notes to the Unaudited Condensed Consolidated Financial Statements

Alati Arnegard, LLC

We provide management services to Alati Arnegard, LLC ("Arnegard"), an entity that owns a saltwater disposal facility in North Dakota in which we hold a 25% membership interest. Management fee revenue earned from Arnegard totaled \$0.2 million for the three months ended September 30, 2018 and 2017, and \$0.5 million for the nine months ended September 30, 2018 and 2017. Accounts receivable from Arnegard were \$0.1 million at September 30, 2018 and December 31, 2017, and are included in *trade accounts receivable*, *net* in the Unaudited Condensed Consolidated Balance Sheets.

CF Inspection Management, LLC

We have also entered into a joint venture with CF Inspection, a nationally-qualified woman-owned inspection firm affiliated with one of Holdings' owners. We own 49% of CF Inspection and Cynthia A. Field, the daughter of Charles C. Stephenson, Jr., owns the remaining 51% of CF Inspection. For the nine months ended September 30, 2018, CF Inspection represented approximately 3.4% of our consolidated revenue. CF Inspection allows us to offer various services to clients that require the services of an approved Women's Business Enterprise ("WBE"), as CF Inspection is certified as a Women's Business Enterprise by the Supplier Clearinghouse in California and as a National Women's Business Enterprise by the Women's Business Enterprise National Council..

Sale of Preferred Equity

As described in Note 6, we issued and sold \$43.5 million of preferred equity to an affiliate in May 2018.

8. Commitments and Contingencies

Security Deposits

We have various performance obligations related to our saltwater disposal facilities in North Dakota in our Water Services segment that are secured with short-term security deposits (reflected as restricted cash equivalents on our Unaudited Condensed Consolidated Statements of Cash Flows) of \$0.6 million and \$0.5 million at September 30, 2018, and December 31, 2017, respectively, included in *prepaid expenses and other* on the Unaudited Condensed Consolidated Balance Sheets.

Compliance Audit Contingencies

Certain customer master service agreements ("MSA's") offer our customers the opportunity to perform periodic compliance audits, which include the examination of the accuracy of our invoices. Should our invoices be determined to be inconsistent with the MSA, the MSA's may provide the customer the right to receive a credit or refund for any overcharges identified. As of September 30, 2018, we have established a reserve of \$0.1 million for potential liabilities related to these compliance audit contingencies. As of December 31, 2017, there were no reserves established for compliance audit contingencies.

Legal Proceedings

On October 5, 2017, a former inspector for TIR LLC and Cypress Energy Management – TIR, LLC ("CEM TIR") filed a putative collective action lawsuit alleging that TIR LLC, CEM TIR and Cypress Energy Partners – Texas, LLC failed to pay a class of workers overtime in compliance with the Fair Labor Standards Act ("FLSA") titled James Fithian, et al v. TIR LLC, et al in the United States District Court for the Western District of Texas, Midland Division. The plaintiff subsequently withdrew his action and filed a similar action in Oklahoma State Court, District of Tulsa County. The plaintiff alleges he was a non-exempt employee of TIR LLC and that he and other potential class members were not paid overtime in compliance with the FLSA. The plaintiff seeks to proceed as a collective action and to receive unpaid overtime and other monetary damages, including attorney's fees. No estimate of potential loss can be determined at this time and the Partnership, TIR LLC, CEM TIR and Cypress Energy Partners – Texas, LLC deny the claims. The defendants plan to continue to vigorously defend these claims and have stayed a counterclaim against the named plaintiff.

On March 28, 2018, the court granted a joint stipulation of dismissal without prejudice in regard to TIR LLC and Cypress Energy Partners – Texas, LLC, as neither of those parties were employers of the plaintiff or the putative class members during the time period that is the subject of the lawsuit. On July 26, 2018, plaintiff filed a motion for conditional class certification. CEM-TIR subsequently filed pleadings opposing the motion. The court set plaintiff's motion for conditional certification for hearing on November 29, 2018.

From time to time, we are subject to legal proceedings and claims that arise in the ordinary course of business. Like other organizations, our operations are subject to extensive and rapidly changing federal and state environmental, health and safety and other laws and regulations governing air emissions, wastewater discharges, and solid and hazardous waste management activities.

We are not a party to any other material pending or overtly threatened legal or governmental proceedings, other than proceedings and claims that arise in the ordinary course and are incidental to our business.

9. Sale of Saltwater Disposal Facilities

In May 2018, we sold our subsidiary Cypress Energy Partners – Orla SWD, LLC ("Orla"), which owns a saltwater disposal facility in Orla, Texas, to an unrelated party for \$8.2 million of cash proceeds. The proceeds of this transaction were utilized to reduce our outstanding debt. We recorded a gain on this transaction of \$1.8 million (\$0.2 million of this gain was recorded on contingent proceeds that were received and recorded in the third quarter of 2018), which represents the excess of the cash proceeds over the net book value of assets sold. The net book value of the assets sold included \$3.0 million of allocated goodwill, calculated based on the estimated fair value of the Orla facility relative to the estimated fair value of the Water Services reporting unit as a whole. This calculation is considered Level 3 and the fair values included in this calculation were determined utilizing estimated discounted cash flows of the Orla facility and the Water Services reporting unit as a whole as of the date of sale.

CYPRESS ENERGY PARTNERS, L.P.

Notes to the Unaudited Condensed Consolidated Financial Statements

In January 2018, we sold our subsidiary Cypress Energy Partners – Pecos SWD, LLC ("Pecos"), which owns a saltwater disposal facility in Pecos, Texas, to an unrelated party for \$4.0 million of cash proceeds and a royalty interest in the future revenues of the facility. We concluded this represented the sale of a business and we record the royalties in the periods in which they are received. We recorded a gain on this transaction of \$1.8 million, which represents the excess of the cash proceeds over the net book value of assets sold. The proceeds were used to reduce our debt. The net book value of the assets sold included \$2.0 million of allocated goodwill, calculated based on the estimated fair value of the Pecos facility relative to the estimated fair value of the Water Services reporting unit as a whole. This calculation is considered Level 3 and the fair values included in this calculation were determined utilizing estimated discounted cash flows of the Pecos facility and the Water Services reporting unit as a whole as of the date of sale. Assets held for sale and liabilities held for sale on the Unaudited Condensed Consolidated Balance Sheet at December 31, 2017 represent the carrying values of the Pecos saltwater facility prior to its sale.

During the three months ended September 30, 2018, we received proceeds of \$0.4 million from the settlement of litigation related to lightning strikes that occurred in 2017 at our facilities in Orla, Texas and Grassy Butte, North Dakota. This litigation related to the non-performance of certain lightning protection equipment we had purchased to protect the facilities against lightning strikes. The proceeds from these settlements are reported within *gain on assets disposals*, *net* in our Unaudited Condensed Consolidated Statements of Operations.

10. Reportable Segments

Our operations consist of three reportable segments: (i) Pipeline Inspection, (ii) Pipeline & Process Services, and (iii) Water Services.

Pipeline Inspection – We generate revenue in this segment primarily by providing essential inspection and integrity services on a variety of infrastructure assets including midstream pipelines, gathering systems, and distribution systems. Services include non-destructive examination, mechanical integrity, inline support, PIG tracking, survey, data gathering and supervision of third-party contractors. Our results in this segment are driven primarily by the number of inspectors that perform services for our customers and the fees that we charge for those services, which depend on the type, skills, technology, equipment, and number of inspectors used on a particular project, the nature of the project, and the duration of the project. The number of inspectors engaged on projects is driven by the type of project, prevailing market rates, the age and condition of customers' assets including pipelines, gas plants, compression stations, storage facilities, and gathering and distribution systems including the legal and regulatory requirements relating to the inspection and maintenance of those assets. Our customers are also billed for per diem charges,

mileage, and other reimbursement items. Revenue and costs in this segment may be subject to seasonal variations and interim activity may not be indicative of yearly activity, considering many of our customers develop yearly operating budgets and enter into contracts with us during the winter season for work to be performed during the remainder of the year. Additionally, inspection work throughout the United States during the winter months (especially in the northern states) may be hampered or delayed due to inclement weather, thus affecting our revenue and costs. During the three months ended September 30, 2018, we recognized \$0.5 million of revenue on services performed in previous years. We had constrained recognition of this revenue until the expiration of a contract provision that had given the customer the opportunity to reopen negotiation of the fee paid for the services. As of September 30, 2018, we have recognized a refund liability of \$0.2 million for revenue associated with such variable consideration.

Pipeline & Process Services – This segment provides essential midstream services including hydrostatic testing services and chemical cleaning to energy companies and pipeline construction companies of newly-constructed and existing pipelines and related infrastructure. We generally charge our customers in this segment on a fixed-bid basis, depending on the size and length of the pipeline being tested, the complexity of services provided, and the utilization of our work force and equipment. Our results in this segment are driven primarily by the number of field personnel that perform services for our customers and the fees that we charge for those services, which depend on the type and number of field personnel used on a particular project, the type of equipment used and the fees charged for the utilization of that equipment, and the nature and duration of the project. Revenue during the nine months ended September 30, 2018 included \$0.3 million associated with additional billings on a project that we completed in the fourth quarter of 2017 (we recognized the revenue upon receipt of customer acknowledgment of the additional fees).

Water Services - This segment owns and operates nine (9) Environmental Protection Agency Class II saltwater disposal facilities in the Williston Basin region of North Dakota. Eight (8) of the facilities are wholly-owned and we have ten (10) pipelines from multiple E&P customers connected to these saltwater disposal facilities, including two (2) that were developed and are owned by the Partnership. Approximately 95% of our disposal water is produced water that is generated during production life of an oil and gas well and approximately 41% of our water is delivered via pipeline to our saltwater disposal facilities. We currently serve in excess of 75 customers. Our saltwater disposal facilities provide essential midstream services to oil and natural gas upstream producers and their transportation companies. All of the saltwater disposal facilities utilize specialized equipment and remote monitoring to minimize the facilities' downtime and increase the facilities' efficiency for peak utilization. These facilities also utilize oil skimming and recovery processes that remove residual oil from water delivered to our saltwater disposal facilities via pipeline or truck. We sell the oil recovered from these skimming processes, which contributes to our revenues. In addition to these saltwater disposal facilities, we provide management and staffing services to a saltwater disposal facility in which we own a 25% ownership interest. Segment results are driven primarily by the volumes of water we inject into our saltwater disposal facilities and the fees we charge for transporting water in our two pipelines connected to these facilities. These fees are charged on a per-barrel basis and vary based on the quantity and type of saltwater disposed, competitive dynamics, and operating costs. In addition, for minimal marginal cost, we generate revenue by selling residual oil we recover from the disposed water. Revenue and costs in this segment may be subject to seasonal fluctuations and interim activity may not be indicative of yearly activity, given that our saltwater disposal facilities are located in North Dakota and weather conditions there (especially winter weather conditions) can affect drilling, operations, and trucking activity, and ultimately, our volumes, revenues, and costs.

Other – These amounts represent general and administrative expenses not specifically allocable to our reportable segments.

CYPRESS ENERGY PARTNERS, L.P.

Notes to the Unaudited Condensed Consolidated Financial Statements

The following tables show operating income (loss) by reportable segment and a reconciliation of segment operating income (loss) to net income (loss) before income tax expense.

	Pipeline Inspectio (in thousa	Services	Water Services	Other	Total
Three months ended September 30, 2018	ф лл (О)	A. 2. 0.0.1	4.2.225	(24)	\$04.55 0
Revenue	\$77,606	\$ 3,881	\$ 3,325	\$(34)	\$84,778
Costs of services	68,350	2,592	962	(34)	71,870
Gross margin	9,256	1,289	2,363	<u> </u>	12,908
General and administrative	4,422	592	774	276	6,064
Depreciation, amortization and accretion	571 (21)	143	410		1,124
(Gain) loss on asset disposal, net	(21) \$4,284	(32) \$ 586	(769) \$1,948	\$(276)	(822) 6,542
Operating income (loss) Interest expense, net	\$4,204	\$ 300	\$ 1,940	\$(270)	(1,283)
Foreign currency gains					97
Other, net					95
Net income before income tax expense					\$5,451
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Three months ended September 30, 2017					
Revenue	\$72,737	\$ 2,834	\$ 2,111	\$ —	\$77,682
Costs of services	65,323	2,132	837		68,292
Gross margin	7,414	702	1,274		9,390
General and administrative	3,893	525	858	298	5,574
Depreciation, amortization and accretion	577	157	450		1,184
Losses on asset disposals, net			208		208
Operating income (loss)	\$2,944	\$ 20	\$ (242	\$(298)	2,424
Interest expense, net					(1,907)
Foreign currency gains					557
Other, net					17
Net income before income tax expense					\$1,091

CYPRESS ENERGY PARTNERS, L.P.

Notes to the Unaudited Condensed Consolidated Financial Statements

Nine months and ad Sentember 30, 2018	Pipeline Inspection (in thousand	Pipeline & Process Services	Water Services	Other	Total
Nine months ended September 30, 2018 Revenue Costs of services Gross margin General and administrative Depreciation, amortization and accretion Gains on asset disposals, net Operating income (loss) Interest expense, net Debt issuance cost write-off Foreign currency losses Other, net Net income before income tax expense	\$205,938 183,305 22,633 12,313 (a) 1,717 (21) \$8,624	\$ 11,307 7,840 3,467 1,715 449 (77 \$ 1,380	\$8,861 2,981 5,880 2,402 (b) 1,202) (4,039) \$6,315	\$(34) (34) — 911 — — \$(911)	\$226,072 194,092 31,980 17,341 3,368 (4,137) 15,408 (4,907) (114) (354) 302 \$10,335
Nine months ended September 30, 2017 Revenue Costs of services Gross margin General and administrative Depreciation, amortization and accretion Impairments Losses on asset disposal, net Operating income (loss) Interest expense, net Foreign currency gains Other, net Net loss before income tax expense	\$205,039 185,308 19,731 10,212 (c) 1,755 1,329 18 \$6,417	\$ 5,927 5,005 922 1,488 471 1,581 — \$ (2,618	\$6,005 2,330 3,675 1,651 (d) 1,335 688 77) \$(76)	\$— — — 2,662 (e) — — — — — \$(2,662)	\$216,971 192,643 24,328 16,013 3,561 3,598 95 1,061 (5,411) 824 122 \$(3,404)
Total Assets					
September 30, 2018	\$116,510	\$ 9,365	\$24,939	\$1,461	\$152,275
December 31, 2017 (recast to exclude intercompany receivables)	\$120,368	\$ 10,481	\$31,472	\$882	\$163,203

- Amount includes \$2.1 million of the allocated quarterly administrative fee charged by Holdings specified in the omnibus agreement.
- (b) Amount includes \$0.9 million of the allocated quarterly administrative fee charged by Holdings specified in the omnibus agreement.
- (c) Amount includes \$0.7 million of the allocated quarterly administrative fee charged by Holdings specified in the omnibus agreement.
- (d) Amount includes \$0.3 million of the allocated quarterly administrative fee charged by Holdings specified in the omnibus agreement.
 - Amount includes \$1.8 million of allocated general and administrative expenses incurred by Holdings but not
- (e) charged to us. For the six months ended June 30, 2017, Holdings waived the administrative fee specified in the omnibus agreement.

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

The following discussion contains forward-looking statements that reflect our future plans, estimates, beliefs, and expected performance. The forward-looking statements are dependent upon events, risks, and uncertainties that may be outside our control, including, among other things, the risk factors discussed in "Item 1A. Risk Factors" of our Annual Report on Form 10-K for the year ended December 31, 2017 and this Quarterly Report on Form 10-Q. Our actual results could differ materially from those discussed in these forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, market prices for oil and natural gas, production volumes, capital expenditures, weather, economic and competitive conditions, regulatory changes, and other uncertainties, as well as those factors discussed below and elsewhere in our Annual Report on Form 10-K for the year ended December 31, 2017 and this Quarterly Report on Form 10-Q, all of which are difficult to predict. In light of these risks, uncertainties, and assumptions, the forward-looking events discussed may or may not occur. See "Cautionary Remarks Regarding Forward-Looking Statements" in the front of this Quarterly Report on Form 10-Q.

This Management's Discussion and Analysis of Financial Condition and Results of Operations contains a discussion of our business, including a general overview of our properties, our results of operations, our liquidity and capital resources, and our quantitative and qualitative disclosures about market risk broken down into three segments: (1) our Pipeline Inspection ("Pipeline Inspection") segment is comprised of our investment in the TIR Entities; (2) our Pipeline & Process Services ("Pipeline & Process Services") segment (formerly referred to as our "Integrity Services" segment), comprised of our 51% ownership investment in Brown Integrity, LLC and; (3) our Water and Environmental Services ("Water Services") segment, comprised of our investments in various saltwater disposal facilities and activities related thereto. The financial information for Pipeline Inspection, Pipeline & Process Services and Water Services included in "Item 2 – Management's Discussion and Analysis of Financial Condition and Results of Operations" should be read in conjunction with the interim financial statements and related notes included elsewhere in this report and prepared in accordance with accounting principles generally accepted in the United States of America and in our Consolidated Financial Statements for the year ended December 31, 2017.

Overview

We are a growth-oriented master limited partnership formed in September 2013 to provide essential midstream services to the oil and gas industry. Our Pipeline Inspection segment represents our pipeline inspection services operations. This segment provides independent inspection and integrity services to various energy, public utility, and pipeline companies. The inspectors in this segment perform a variety of inspection services on midstream pipelines, gathering and distribution systems, including data gathering and supervision of third-party construction, inspection, and maintenance and repair projects. Our results in this segment are driven primarily by the number and type of inspectors performing services for customers and the fees charged for those services, which depend on the nature and duration of the projects. Revenue and costs in this segment may be subject to seasonal variations and interim activity may not be indicative of yearly activity, considering many of our customers develop yearly operating budgets and enter into contracts with us during the winter season for work to be performed during the remainder of the year. Additionally, inspection work throughout the United States during the winter months (especially in the northern

states) may be hampered or delayed due to inclement weather, thus affecting our revenue and costs.

The Pipeline & Process Services segment provides various integrity services including, but not limited to, independent hydrostatic testing services to major natural gas and petroleum pipeline companies and to pipeline construction companies in the United States. This segment primarily performs hydrostatic testing on many different pipelines including, but not limited to, natural gas and petroleum pipelines. Results in this segment are driven primarily by field personnel performing various integrity services for customers and the fees charged for those services, which depend on the nature, scope, and duration of the projects.

The Water Services segment owns and operates nine (9) Environmental Protection Agency Class II saltwater disposal facilities in the Williston Basin region of North Dakota. Eight (8) of the facilities are wholly-owned and we have ten (10) pipelines from multiple E&P customers connected to these saltwater disposal facilities, including two (2) that were developed and are owned by the Partnership. Approximately 95% of our disposal water is produced water that is generated during production life of an oil and gas well and approximately 41% of our water is delivered via pipeline to our saltwater disposal facilities. We currently serve in excess of 75 customers. Our saltwater disposal facilities provide essential midstream services to oil and natural gas upstream producers and their transportation companies. All of the saltwater disposal facilities utilize specialized equipment and remote monitoring to minimize the facilities' downtime and increase the facilities' efficiency for peak utilization. These facilities also utilize oil skimming and recovery processes that remove residual oil from water delivered to our saltwater disposal facilities via pipeline or truck. We sell the oil recovered from these skimming processes, which contributes to our revenues. In addition to these saltwater disposal facilities, we provide management and staffing services to a saltwater disposal facility in which we own a 25% ownership interest. Segment results are driven primarily by the volumes of water we inject into our saltwater disposal facilities and the fees we charge for transporting water in our two pipelines connected to these facilities. These fees are charged on a per-barrel basis and vary based on the quantity and type of saltwater disposed, competitive dynamics, and operating costs. In addition, for minimal marginal cost, we generate revenue by selling residual oil we recover from the disposed water. Revenue and costs in this segment may be subject to seasonal fluctuations and interim activity may not be indicative of yearly activity, given that our saltwater disposal facilities are located in North Dakota and weather conditions there (especially winter weather conditions) can affect drilling, operations, and trucking activity, and ultimately, our volumes, revenues, and costs.

In all of our business segments, we work closely with our customers to help them comply with increasingly complex and strict environmental and safety rules and regulations applicable to production and pipeline operations, assisting in maintaining the integrity of their assets and reducing their operating costs.

Ownership

As of September 30, 2018, Holdings owns approximately 58.2% of the Partnership's common units, while affiliates of Holdings own approximately 5.7% of the Partnership's common units, for a total ownership percentage of the Partnership's common units of approximately 63.9% by Holdings and its affiliates. Holdings' ownership group also owns 100% of the General Partner and the incentive distribution rights ("IDR's"), and an affiliate of our General Partner owns 100% of the preferred units.

Omnibus Agreement

We are party to an omnibus agreement with Holdings and other related parties. The omnibus agreement governs the following matters, among other things:

our payment of a quarterly administrative fee in the amount of \$1.0 million to Holdings for providing certain partnership overhead services, including certain executive management services by certain officers and employees of our General Partner. This fee also includes the incremental general and administrative expenses we incur as a result of being a publicly-traded partnership. For the nine months ended September 30, 2018 and for the three months ended September 30, 2017, this fee was paid to Holdings in accordance with its terms and conditions. For the six months ended June 30, 2017, Holdings provided sponsor support to the Partnership by waiving payment of the quarterly administrative fee. The fee will be adjusted each year by an inflation adjustment as outlined in the omnibus agreement. If any additional modifications to the agreement are proposed, they would require approval by the Conflicts Committee of our Board of Directors;

our right of first offer on Holdings' and its subsidiaries' assets used in, and entities primarily engaged in, providing saltwater disposal and other water and environmental services, and pipeline inspection and integrity services; and

indemnification of us by Holdings for certain environmental and other liabilities, including events and conditions associated with the operation of assets that occurred prior to the closing of the IPO and our obligation to indemnify Holdings for events and conditions associated with the operation of our assets that occur after the closing of the IPO and for environmental liabilities related to our assets to the extent Holdings is not required to indemnify us.

So long as affiliates of Holdings control our General Partner, the omnibus agreement will remain in effect, unless we and Holdings agree to terminate it sooner. If affiliates of Holdings cease to control our General Partner, either party may terminate the omnibus agreement, provided that the indemnification obligations will remain in full force and effect in accordance with their terms. We and Holdings may agree to amend the omnibus agreement; however, amendments will also require the approval of the Conflicts Committee of our Board of Directors.

To the extent that Holdings incurs expenses on behalf of the Partnership in excess of administrative expense amounts paid under the omnibus agreement (including executive management services, payroll services, general and administrative costs incurred as a result of being a publicly traded partnership, and other allocated costs), the excess is allocated to the Partnership as non-cash allocated costs. The non-cash allocated amounts are reported as *general and administrative expenses* in the Unaudited Condensed Consolidated Statement of Operations and as a *contribution attributable to general partner* in the Unaudited Condensed Consolidated Statement of Owners' Equity. These costs are included as a component of *net loss attributable to general partner* in the Unaudited Condensed Consolidated Statements of Operations. Non-cash allocated costs reported in our financial statements were \$1.8 million for the nine months ended September 30, 2017 as Holdings waived the payment of the quarterly administrative fee for the first two

quarters of 2017. The allocation methods utilized in determining the non-cash allocated costs are primarily based on direct expenses incurred and allocation of salaries based on percent of time incurred and represent a reasonable allocation of costs incurred by Holdings on behalf of the Partnership.

In addition to funding certain general and administrative expenses on our behalf, Holdings provided the Partnership with additional financial support by contributing \$1.0 million for the three months ended September 30, 2017 in cash, as a reimbursement of certain expenditures incurred by us. This payment is reflected as a *Contribution attributable to general partner* in the Unaudited Condensed Consolidated Statement of Owners' Equity and as a component of the *net loss attributable to the general partner* in the Unaudited Condensed Consolidated Statements of Operations. Holdings has not provided any financial support to us in 2018.

Pipeline Inspection

We generate revenue in the Pipeline Inspection segment primarily by providing essential inspection and integrity services on a variety of infrastructure assets including midstream pipelines, gathering systems, and distribution systems. Services include non-destructive examination, mechanical integrity, inline support, PIG tracking, survey, data gathering and supervision of third-party contractors. Our results in this segment are driven primarily by the number of inspectors that perform services for our customers and the fees that we charge for those services, which depend on the type, skills, technology, equipment, and number of inspectors used on a particular project, the nature of the project, and the duration of the project. The number of inspectors engaged on projects is driven by the type of project, prevailing market rates, the age and condition of customers' assets including pipelines, gas plants, compression stations, storage facilities, and gathering and distribution systems including the legal and regulatory requirements relating to the inspection and maintenance of those assets. Our customers are also billed for per diem charges, mileage, and other reimbursement items.

Pipeline & Process Services

We generate revenue in our Pipeline & Process Services segment primarily by providing essential midstream services including hydrostatic testing services and chemical cleaning to energy companies and pipeline construction companies of newly-constructed and existing pipelines and related infrastructure. We generally charge our customers in this segment on a fixed-bid basis, depending on the size and length of the pipeline being tested, the complexity of services provided, and the utilization of our work force and equipment. Our results in this segment are driven primarily by the number of field personnel that perform services for our customers and the fees that we charge for those services, which depend on the type and number of field personnel used on a particular project, the type of equipment used and the fees charged for the utilization of that equipment, and the nature and duration of the project.

Water Services

We generate revenue in the Water Services segment primarily by treating flowback and produced water and injecting the saltwater into our saltwater disposal facilities. Our results are driven primarily by the volumes of produced water and flowback water we inject into our saltwater disposal facilities and the fees we charge for these services. These fees are charged on a per-barrel basis under contracts that are short-term in nature and vary based on the quantity and type of saltwater disposed, competitive dynamics, and operating costs. In addition, for minimal marginal cost, we generate revenue by selling residual oil we recover from the saltwater. We also generate revenue managing a saltwater disposal facility for a fee.

The volumes of saltwater disposed at our saltwater disposal facilities are driven by water volumes generated from existing oil and natural gas wells during their useful lives and development drilling. Producers' willingness to engage in new drilling is determined by a number of factors, the most important of which are the current and projected prices of oil, natural gas, and natural gas liquids, the cost to drill and operate a well, the availability and cost of capital, and environmental and governmental regulations. We generally expect the level of drilling to correlate with long-term trends in prices of oil, natural gas, and natural gas liquids.

We also generate revenues from the sales of residual oil recovered during the saltwater treatment process. Our ability to recover residual oil is dependent upon the residual oil content in the saltwater we treat, which is, among other things, a function of water type, chemistry, source, and temperature. Generally, where outside temperatures are lower, there is less residual oil content and separation is more difficult. Thus, our residual oil recovery during the winter season is usually lower than our recovery during the summer season in North Dakota. Additionally, residual oil content decreases with an increase in pipeline water as operators control the flow of the pipeline water and if, among other things, producers begin recovering higher levels of residual oil in saltwater prior to delivering the saltwater to us for treatment.

Outlook

Overall

All three of our segments generated increased revenues during the third quarter of 2018 relative to the second quarter of 2018, which reflects the continuing recovery in the energy markets. We believe our essential midstream services are well-positioned for long-term growth, given the aging energy infrastructure in the U.S., the new construction of pipelines, and growing oil and gas production.

Revenues of our Pipeline Inspection segment increased from \$70.4 million in the second quarter of 2018 to \$77.6 million in the third quarter of 2018, an increase of 10.3%. The increase was due in part to the normal seasonal increase (the third quarter of each year is typically the strongest quarter for this segment), and due in part to increasing demand. The gross margin percentage for the Pipeline Inspection segment increased from 11.2% in the second quarter of 2018 to 11.9% in the third quarter of 2018, as we continue our strategy of diversifying our revenues into higher-margin services. Gross margins in this segment increased from \$7.4 million in the third quarter of 2017 to \$9.3 million in the third quarter of 2018, an increase of 24.8%.

Revenues of our Pipeline & Process services segment increased from \$3.1 million during the second quarter of 2018 to \$3.9 million during the third quarter of 2018, an increase of 26.2%. The increase was due in part to the normal seasonal increase (the third quarter of each year is typically the strongest quarter for this segment), and due in part to increasing demand and improved business development efforts. Gross margins in this segment increased from \$0.7 million in the third quarter of 2017 to \$1.3 million in the third quarter of 2018, an increase of 83.6%.

Revenues of our Water Services segment increased from \$3.0 million during the second quarter of 2018 to \$3.3 million during the third quarter of 2018, an increase of 9.8%. Demand for this segment has continued to increase as customer activity has increased in the Bakken shale region and due to the completion of two owned pipelines in the early part of 2018. Gross margins in this segment increased from \$1.3 million in the third quarter of 2017 to \$2.4 million in the third quarter of 2018, an increase of 85.5%.

We have evaluated numerous acquisition opportunities to expand and enhance the breadth and depth of the essential pipeline inspection and integrity services we offer to our clients. Our sponsor, Cypress Energy Holdings, LLC, recently completed two acquisitions that we believe will allow us to accomplish that goal. Both transactions were asset purchases (business combinations for accounting purposes) that require some repositioning before bringing them into the Partnership. Our sponsor intends to offer them to the Partnership once it has accomplished certain developmental goals. These acquisitions would move us into several new lines of work, including water treatment, in-line inspection for oil and gas and other customers, equipment rental (which could be converted into a service business before offering this line of business to the Partnership), and offshore hydrostatic testing, and would give us a platform to expand into other pipeline and process services, both onshore and offshore. These two transactions would also allow us to enter the growing and attractive in-line inspection ("ILI") industry with next-generation technology capable of helping pipeline owners and operators better manage the integrity of their assets in both the energy industry and municipal water industry.

We have completed the previously-announced process of evaluating strategic alternatives and concluded that remaining independent at this time and building out these acquisition opportunities represents the most attractive opportunity to build long-term value for the Partnership. The long-term increasing demand for pipeline inspection, integrity services, and water solutions remains strong due to our nation's aging pipeline infrastructure and growing production, and we believe we are well-positioned to capitalize on the opportunities that improving market conditions will create. The future drop down of the recent acquisitions should also position us to eventually resume increasing our distributions.

Pipeline Inspection

Demand is growing for our Pipeline Inspection segment. We operate in a very large market, with more than over 1,500 customer prospects who require federally and/or state-mandated inspection and integrity services. We are pursuing a large market in the U.S. and Canada that is made up of over 2,200 energy companies that could utilize our pipeline inspection, processing, and integrity services. During the third quarter of 2018, we signed the largest contract in the 15-year history of TIR and added several new customers. Additionally, a number of new projects have been announced in 2018.

Energy research analysts have published the following updates as summarized below:

2019 Forecast: Large pipeline/midstream infrastructure projects proposed for 2019 total \$39.4 billion. Based on these project estimates, anticipated 2019 spending will reflect positive growth over 2018. Tier 3 forecasts currently suggest potential annual growth in the mid-teens.

2020 and beyond: Commentary from key players along the midstream supply chain and production forecasts in light of pipeline capacity constraints suggest the industry is gaining visibility into growth

beyond 2019. Projects include the Keystone XL pipeline and LNG infrastructure currently in development. Given the size of investment in LNG terminals and facilities, and the significant undertaking in the development stage, they view these as higher risk projects in terms of timing and the regulatory process. However, if these projects move forward, they see the potential for growth beyond 2021. Additionally, if the bullish view on production holds up, they believe that we could see additional waves of infrastructure additions in the Permian and other high-growth regions.

Growing and shifting production versus takeaway capacity. Production of shale oil, natural gas, and natural gas liquids has dramatically increased in the past decade, changing product flow and infrastructure needs across the country. Demand for increased takeaway capacity has followed, resulting in heightened levels of pipeline development. These drivers remain intact for at least three years, and opportunity exists for additional infrastructure development with continued production growth well past 2020, as regions like the Permian basin continue to face takeaway constraints.

Aging infrastructure. As pipeline and distribution systems are reaching the end of their useful life, the market has seen growing demand for infrastructure replacement work in recent years, often coinciding with capacity additions. Most recently, Enbridge's \$7.0 billion Line 3 Replacement program plans to expand on the former Line 3 segment, replacing 1,031 miles of the old pipeline and associated facilities on both sides of the U.S. - Canada border. Various industry reports estimate that there exist more than 1.3 million miles of gathering and transmission lines operating currently in the U.S. and Canada. It is estimated that over 50% of these pipelines are pre-1970 infrastructure and the average age of these pipelines is 42 years.

In-Line Inspection ("ILI") Industry. Various industry research reports estimated that the total North American in-line inspection market represented \$530 million to \$650 million in 2017. The U.S. market is roughly four to five times the size of the Canadian market. Potential regulatory changes at federal and state levels could increase this market 40% - 50% if enacted. The in-line inspection market includes over 625 potential energy industry customers in Canada and another 1,550 in the U.S., for a total of over 2,100 potential in-line customers that own gathering or transmission pipeline systems. The in-line industry has about a dozen Tier 1 providers that make up approximately 60% - 70% of the in-line inspection market.

Our continued focus remains on both maintenance and integrity work on existing pipelines as well as work on new projects. With stronger commodity prices and healthier balance sheets, our existing and potential customers are investing in their businesses following a difficult two-year generational economic downturn in the energy industry. We continue to focus on new lines of business to serve our existing customers, including mechanical integrity and pipeline decontamination services. The majority of our clients are public, investment-grade companies with long planning cycles that lead to healthy backlogs of new long-term projects and existing pipeline networks that also require inspection and integrity services. We believe that regulatory requirements, coupled with the aging pipeline infrastructure, mean that, regardless of commodity prices, our customers will require our regulatory inspection services. Therefore, the Pipeline Inspection business is more insulated from changes in commodity prices. However, a prolonged depression in oil and natural gas prices could lead to a downturn in demand for our services as was the case in recent years.

Pipeline & Process Services

Brown, our 51% owned integrity services hydrotesting business unit, has seen a significant improvement in its utilization rates thus far in 2018. Improved operating results are evidenced by observing the near 84% increase in the gross margin of the Pipeline & Process Services segment from \$0.7 million in the third quarter of 2017 to \$1.3 million in the third quarter of 2018. During the quarter, we also opened a new office in Odessa, Texas, to better serve the growing Permian basin market. In addition, we added several industry veterans to our management team in order to further enhance our image and grow the segment. We also plan to open a new location in the Houston market to take advantage of the growing work in the industry. Brown has had two difficult years during the economic energy downturn, which forced us to implement aggressive measures to manage and reduce its cost structure. We believe the measures implemented have been very successful as is evidenced by our strong and continually improving operating results, and we plan to continue to focus on the potential synergies that may develop between this segment and our current customers in our other business segments. In 2017, Brown worked in 15 states and has successfully obtained new business from TIR relationships. Brown's revenues increased \$5.4 million, from \$5.9 million in the first nine months of 2017 to \$11.3 million in the first nine months of 2018. Brown continues to enjoy an excellent reputation in the industry and continues to bid on a substantial amount of new work.

Water Services

Our Water Services segment disposed of 4.3 million barrels of saltwater during the third quarter of 2018, which was an increase over the 3.1 million barrels disposed during the third quarter of 2017 (despite the sale of our Texas facilities in 2018). This increase was due, in part, to the completion, early in the year, of two new water pipelines into one of our saltwater disposal facilities. Our average revenue per barrel increased to \$0.78 (inclusive of water disposal, oil reclamation, and management fees) in the third quarter of 2018, an increase over the average revenue per barrel of \$0.68 during the third quarter of 2017, due in part to an increase in revenues associated with the two new pipelines that we placed into service in January 2018, higher disposal prices, and increased residual oil recovered during the saltwater disposal process at our saltwater disposal facilities. Drilling activity has improved dramatically following the

downturn and the lows that occurred in May 2016. Per the Baker Hughes North America Rotary Rig Count as of October 26, 2018, the U.S. rig count totaled 1,068, up 164% from its trough in May 2016, including a rig total of 56 in the Williston basin of the Bakken.

Crude oil prices have also increased since a year ago, and in September 2018, NYMEX crude exceeded \$70.00 per barrel. The decline in the market price of crude oil that began in the second half of 2014 had an adverse impact on our volumes and revenues over the last three years.

We continue to focus on produced water and pipeline water whenever possible. During the third quarter of 2018, 95% (90% in the third quarter of 2017) of our volumes were produced water and 41% (45% in the third quarter of 2017) of our volumes were delivered via ten pipelines, including two that have been developed and are owned by us. We continue to focus on pipeline water opportunities to secure additional long-term volumes of produced water for the life of the oil and gas wells' production and plan to add two new pipelines to our facilities in the fourth quarter of 2018.

In July of 2017, a lightning strike at our Grassy Butte saltwater disposal facility initiated a fire that destroyed the surface storage equipment at the facility. It did not damage our pumps, electrical, housing, office, or downhole facilities. We had insurance covering the surface facilities with a reasonable deductible. We rebuilt and reopened the Grassy Butte facility in June 2018.

In January of 2018, we sold our subsidiary that owned a saltwater disposal facility in Pecos, Texas to an unrelated party. We received \$4.0 million of cash proceeds and a perpetual royalty interest in the future revenues of the facility. In May of 2018, we sold our subsidiary that owns a saltwater disposal facility in Orla, Texas to an unrelated party for \$8.2 million. The proceeds from these sales were utilized to decrease our outstanding debt.

Results of Operations

Consolidated Results of Operations

The following table summarizes our Unaudited Condensed Consolidated Statements of Operations for the three and nine-month periods ended September 30, 2018 and 2017:

	Three Mo Ended Septembe		Nine Mont September	
	2018	2017	2018	2017
	(in thouse	ands)		
Revenue	\$84,778	\$77,682	\$226,072	\$216,971
Costs of services	71,870	68,292	194,092	192,643
Gross margin	12,908	9,390	31,980	24,328
Operating costs and expense:				
General and administrative - segment	5,744	5,276	16,430	13,351
General and administrative - corporate	320	298	911	2,662
Depreciation, amortization and accretion	1,124	1,184	3,368	3,561
Impairments				3,598
(Gains) losses on asset disposals, net	(822)	208	(4,137)	95
Operating income	6,542	2,424	15,408	1,061
Other (expense) income:				
Interest expense, net	(1,283)	(1,907)	(4,907)	(5,411)
Debt issuance cost write-off	_	_	(114)	_

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Foreign currency gains (losses) Other, net Net income (loss) before income tax expense	97 95 5,451	557 17 1,091	(354 302 10,335)	824 122 (3,404)
Income tax expense	497	529	865		458	
Net income (loss)	4,954	562	9,470		(3,862)
Net income (loss) attributable to noncontrolling interests Net income (loss) attributable to partners / controlling interests	289 4,665	8 554	673 8,797		(1,290 (2,572	_
Net loss attributable to general partner Net income attributable to limited partners Net income attributable to preferred unitholder Net income (loss) attributable to common unitholders	4,665 1,045 \$3,620	(1,000) 1,554 — \$1,554	8,797 1,412 \$7,385	9	(2,750 178 — \$178)

See the detailed discussion of revenues, costs of services, gross margin, general and administrative expense and depreciation, amortization and accretion by reportable segment below. The following is a discussion of significant changes in the non-segment related corporate other income and expenses during the respective periods.

General and administrative – corporate. General and administrative - corporate decreased by \$1.8 million for the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017, due primarily to the waiving of the two \$1.0 million quarterly administrative fees due to Holdings in the first and second quarters of 2017. Amounts in the nine months ended September 30, 2017 include \$1.8 million of expenses incurred by Holdings on our behalf that they elected not to charge us. During each of the first three quarters of 2018, we paid the \$1.0 million administrative fee, and this expense is reported in *general and administrative – segment* in the table above (\$2.1 million of which was allocated to the Pipeline Inspection segment and \$0.9 million of which was allocated to the Water Services segment). During the three months ended September 30, 2017, \$0.7 million of the administrative fee was allocated to the Pipeline Inspection segment and \$0.3 million was allocated to the Water Services segment. In 2018, Holdings has not provided any financial support to us.

Interest expense. Interest expense primarily consists of interest on borrowings under our Credit Agreement, as well as amortization of debt issuance costs and unused commitment fees. Interest expense decreased for the nine months ended September 30, 2017 to the nine months ended September 30, 2018 primarily due to the refinancing of our Credit Agreement. We made payments of \$4.0 million, \$5.0 million, and \$8.0 million in January, April, and May 2018, respectively, to reduce the outstanding balance on our Credit Agreement. In May 2018, we issued preferred equity and used the proceeds to reduce the outstanding balance on the Credit Agreement by an additional \$43.8 million. Average debt outstanding during the nine months ended September 30, 2018 and 2017 was \$105.9 million and \$136.9 million, respectively. The decrease in interest expense as a result of lower outstanding borrowings was partially offset by an increase in the interest rate. The average interest rate on our borrowings increased from 4.62% in the nine months ended September 30, 2017 to 5.42% in the nine months ended September 30, 2018.

Debt issuance cost write-off. In May 2018, we entered into an amendment to our revolving credit facility and wrote off \$0.1 million of debt issuance costs, which represented the portion of the unamortized debt issuance costs attributable to lenders who are no longer participating in the credit facility subsequent to the amendment to the Credit Agreement.

Foreign currency gains (losses). Our Canadian subsidiary has certain intercompany payables to our U.S.-based subsidiaries. Such intercompany payables and receivables among our consolidated subsidiaries are eliminated in our Unaudited Condensed Consolidated Balance Sheets. Beginning April 1, 2017, we report currency translation adjustments on these intercompany payables and receivables within *foreign currency gains* (losses) in our Unaudited Condensed Consolidated Statements of Operations. The net foreign currency losses during the nine months ended September 30, 2018 resulted from the depreciation of the Canadian dollar relative to the U.S. dollar. The net foreign currency gains during the nine months ended September 30, 2017 resulted from the appreciation of the Canadian dollar relative to the U.S. dollar.

Other, net. Other income primarily consists of royalty income, interest income, and income associated with our 25% interest in a managed saltwater disposal facility in North Dakota, which we account for under the equity method.

Income tax expense. Our income tax provision relates primarily to (1) our U.S. corporate subsidiaries that provide services to public utility customers, which do not appear to fit within the definition of qualified income as it is defined in the Internal Revenue Code, Regulations, and other guidance, which subjects this income to U.S. federal and state income taxes, (2) our Canadian subsidiary, which is subject to Canadian federal and provincial income taxes, and (3) certain other state income taxes, including the Texas franchise tax. We estimate an annual tax rate based on our projected income for the year and apply that annual tax rate to our year-to-date earnings. The increase in income tax expense during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017 is due to an income tax benefit recorded in 2017 related to the impairment of certain long-lived assets of our Canadian subsidiary, an increase in earnings of our taxable subsidiary in the U.S. that provides services to public utility customers, and other services that we have deemed to be non-qualified income, and increased franchise taxes as a result of increased business activity in Texas. These increases were partially offset by the reduction in the U.S. federal income tax rate as a result of a tax law that went into effect on January 1, 2018.

As a publicly-traded partnership, we are subject to a statutory requirement that 90% of our total gross income represent "qualifying income" (as defined by the Internal Revenue Code, related Treasury Regulations, and Internal Revenue Service pronouncements), determined on a calendar-year basis. Income generated by taxable corporate subsidiaries is excluded from this calculation. During the nine months ended September 30, 2018, substantially all of our gross income, which consisted of approximately \$180 million of revenue (exclusive of the income generated by our taxable corporate subsidiaries), represented "qualifying income".

Net income (loss) attributable to noncontrolling interests. We own a 51% interest in Brown and a 49% interest in CF Inspection. The accounts of these subsidiaries are included within our consolidated financial statements. The portion of the net income (loss) of these entities that is attributable to outside owners is reported in net income (loss) attributable to noncontrolling interest in our Unaudited Condensed Consolidated Statements of Operations.

Net loss attributable to general partner. The net loss attributable to the general partner during the three and nine months ended September 30, 2017 consists of expenses that Holdings incurred on our behalf. Since Holdings did not charge us for these expenses, we recorded these expenses as an equity contribution from our general partner.

Net income attributable to preferred unitholder. On May 29, 2018, we issued and sold \$43.5 million of preferred equity. The holder of the preferred units is entitled to an annual return of 9.5% on this investment. The earnings attributable to the preferred unitholder reflects this return. We expect to pay the first distribution on the Preferred Units in November 2018 in the amount of \$1.4 million in cash.

Segment Operating Results

Pipeline Inspection

The following table summarizes the operating results of the Pipeline Inspection segment for the three months ended September 30, 2018 and 2017.

	Three Months Ended September 30,									
	2018	% of Revenu	e	2017	% of Revenue	.	Chang	ge	% Change	e
	(in thousa	ands, exc	ept a	average re	evenue an	d ir	specto	r d	ata)	
Revenue	\$77,606			\$72,737			\$4,86	9	6.7	%
Costs of services	68,350			65,323			3,02	7	4.6	%
Gross margin	9,256	11.9	%	7,414	10.2	%	1,84	2	24.8	%
General and administrative	4,422	5.7	%	3,893	5.4	%	529		13.6	%
Depreciation and amortization	571	0.7	%	577	0.8	%	(6)	(1.0)%
Gains on asset disposals, net	(21)				0.0	%	(21)	0.0	%
Operating income	\$4,284	5.5	%	\$2,944	4.0	%	\$1,34	0	45.5	%
Operating Data										
Average number of inspectors	1,263			1,211			52		4.3	%
Average revenue per inspector per week	\$4,675			\$4,570			\$ 105		2.3	%
Revenue variance due to number of inspectors							\$3,19	5		
Revenue variance due to average revenue per inspector							\$1,67	4		

Revenue. Revenue of the Pipeline Inspection segment increased \$4.9 million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017, an increase of 6.7%, due to an increase in the average number of inspectors engaged (an increase of 52 inspectors accounting for \$3.2 million of the revenue increase) and in the average revenue billed per inspector (accounting for \$1.7 million of the revenue increase).

Revenue attributable to our U.S. operations increased \$5.9 million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017, an increase of 8.2%, due to increased activity by our clients and increased business development efforts, including the expansion of the non-destructive examination business and the formation of two new lines of businesses. This increase was partially offset by a decrease of \$1.0 million in revenues attributable to our Canadian operations, due primarily to our decision not to pursue low-margin work for a

major Canadian customer in the third quarter of 2017.

Average revenue per inspector fluctuates due to changes in customer mix, type of work, and margins that vary by client. Fluctuations in the average revenue per inspector are expected, given that we charge different rates for different types of inspectors and different types of inspection services. We continue to compete with many other competitors on quality, service, price, safety, and training.

Costs of services. Costs of services increased \$3.0 million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017, primarily related to an increase in the average number of inspectors employed during the period.

Gross margin. Gross margin increased \$1.8 million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017, an increase of 24.8%. The gross margin percentage improved to 11.9% in the third quarter of 2018, compared to 10.2% in the third quarter of 2017, an increase of 17.7%. The increase in gross margin percentage is due to changes in the mix of services provided and our decision not to pursue low-margin work that was generated in Canada during 2017. In addition, during the three months ended September 30, 2018, we generated additional revenue from our public utility, mechanical integrity group, and nondestructive examination service lines, which typically generate higher margins. In addition, during the three months ended September 30, 2018, we recognized \$0.5 million of revenue on services performed in previous years. We had deferred recognition of this revenue until the expiration of a contract provision that had given the customer the opportunity to reopen negotiation of the fee for the services.

General and administrative. General and administrative expenses increased by \$0.5 million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017, due primarily to an increase in compensation expense of \$0.3 million, resulting from an increase in personnel to support our growing businesses. In addition, professional fees increased by \$0.2 million, due primarily to legal costs associated with certain on-going employment-related lawsuits and claims.

Depreciation and amortization. Depreciation and amortization expense during the third quarter of 2018 was not significantly different from depreciation and amortization expense during the third quarter of 2017.

Operating income. Operating income increased \$1.3 million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017, an increase of 45.5%, due primarily to the increase in gross margin, partially offset by an increase in general and administrative expenses.

The following table summarizes the operating results of the Pipeline Inspection segment for the nine months ended September 30, 2018 and 2017.

	Nine Months Ended September 30,								
	2018	118 2017		% of Revenu	Chang		% Change)	
	(in thousar	nds, exce	ept av	verage reve	enue and	nue and inspector da			
Revenue	\$205,938			\$205,039			\$899	0.4	%
Costs of services	183,305			185,308			(2,003)	(1.1)%
Gross margin	22,633	11.0	%	19,731	9.6	%	2,902	14.7	%
General and administrative	12,313	6.0	%	10,212	5.0	%	2,101	20.6	%
Depreciation and amortization	1,717	0.8	%	1,755	0.9	%	(38)	(2.2))%
Impairments				1,329	0.6	%	(1,329)	100.0	%
(Gains) losses on asset disposals, net	(21)			18	0.0	%	(39)	216.7	%
Operating income	\$8,624	4.2	%	\$6,417	3.1	%	\$2,207	34.4	%
Operating Data									
Average number of inspectors	1,160			1,160			_	0.0	%
Average revenue per inspector per week	\$4,552			\$4,532			\$20	0.4	%
Revenue variance due to number of inspectors							\$—		
Revenue variance due to average revenue per inspector							\$899		

Revenue. Revenue of the Pipeline Inspection segment increased \$0.9 million during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017, due to an increase in the average revenue billed per inspector.

Revenue attributable to our U.S. operations increased \$22.1 million during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017, due to increased activity by our clients and increased business development efforts, including the expansion of the non-destructive examination business and the formation of our mechanical integrity service business line. This increase was partially offset by a decrease of \$21.2 million in revenue attributable to our Canadian operations, due primarily to our decision not to pursue low-margin work in Canada resulting in the loss of our largest Canadian customer in the third quarter of 2017.

Fluctuations in the average revenue per inspector are expected, given that we charge different rates for different types of inspectors and different types of inspection services.

Costs of services. Costs of services decreased \$2.0 million during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017 as a result of changes in the mix of services provided and our focus on higher margin opportunities.

Gross margin. Gross margin increased \$2.9 million during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017, an increase of 14.7%. The gross margin percentage improved to 11.0% in 2018, compared to 9.6% in 2017, an increase of 14.6%. The increase in gross margin percentage is due to changes in the mix of services provided and our decision not to pursue low-margin work, leading to the loss of a major customer in Canada. In addition, during the nine months ended September 30, 2018, we generated more revenues from our public utility, mechanical integrity, and nondestructive examination service lines, which typically produce higher margins. In addition, during the three months ended September 30, 2018, we recognized \$0.5 million of revenue on services performed in previous years. We had deferred recognition of this revenue until the expiration of a contract provision that had given the customer the opportunity to reopen negotiation of the fee for the services.

General and administrative. General and administrative expenses increased by \$2.1 million during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017, due primarily to \$2.1 million of expense associated with the administrative fee charged by Holdings that was recorded by our Pipeline Inspection segment in 2018. During the nine months ended September 30, 2017, Holdings waived \$1.4 million of this administrative fee. Compensation expense increased approximately \$0.4 million during the nine months ended September 30, 2018, due to an increase in personnel to support our growing businesses. In addition, professional fees increased by \$0.2 million, due primarily to legal costs associated with certain on-going employment-related lawsuits and claims. In 2018, Holdings has not provided any financial support to us.

Depreciation and amortization. Depreciation and amortization expense during the nine months ended September 30, 2018 was not significantly different from depreciation and amortization expense during the nine months ended September 30, 2017.

Impairments. During 2017, we declined to pursue low-margin work previously performed by our Canadian subsidiary. Due to the loss of this contract, we recorded impairments of \$1.3 million to the carrying values of certain intangible assets in the first quarter of 2017. Of this amount, \$1.1 million related to customer relationships and \$0.2 million related to trade names.

Operating income. Operating income increased by \$2.2 million during the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017, an increase of 34.4%, due primarily to the increase in gross margin and the absence of impairment expense in 2018 that incurred in 2017, partially offset by our payment of the quarterly administrative fees charged by Holdings in 2018, which fees were waived in the first two quarters of 2017, additional compensation expense, and increased professional services expense.

Pipeline & Process Services

The following table summarizes the results of the Pipeline & Process Services segment for the three months ended September 30, 2018 and 2017.

	Three Months Ended September 30,											
	2018	% of Revenu	e 2	017	% of Revenue	e	Change	% Chang	e			
	(in thousands, except average revenue and inspector data)											
Revenue	\$3,881		\$	2,834			\$1,047	36.9	%			
Costs of services	2,592			2,132			460	21.6	%			
Gross margin	1,289	33.2	%	702	24.8	%	587	83.6	%			
General and administrative	592	15.3	%	525	18.5	%	67	12.8	%			
Depreciation and amortization	143	3.7	%	157	5.5	%	(14	(8.9)	%			
Gain on asset disposals, net	(32)	(0.8)	%				(32)				
Operating income	\$586	15.1	% \$	20	0.7	%	\$566	2830.	0 %			
Operating Data												
Average number of field personnel	23			21			2	9.5	%			
Average revenue per field personnel per week	\$12,839		\$	10,268			\$2,571	25.0	%			
Revenue variance due to number of field personnel							\$					