

Fourth Quarter and Full Year 2017 Results Call

March 13, 2018





This presentation includes forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, which provides a "safe harbor" for such statements in certain circumstances. The forward-looking statements include statements or expectations regarding future cash flows from refined coal ("RC"); future amount and timing of production and sale of RC; activities to return capital to stockholders; potential to add more RC facilities; Tinuum Group's ability to lease or sell remaining RC facilities; future annual revenue goals; potential future value of our stock; potential pursuit of alternative strategic options. These statements are based on current expectations, estimates, projections, beliefs and assumptions of our management. Such statements involve significant risks and uncertainties. Actual events or results could differ materially from those discussed in the forward-looking statements as a result of various factors, including but not limited to, changes and timing in laws, regulations, IRS interpretations or guidance, accounting rules and any pending court decisions, legal challenges to or repeal of them; changes in prices, economic conditions and market demand; the ability of the RC facilities to produce and sell coal that qualifies for tax credits; the timing, terms and changes in contracts for RC facilities, or failure to lease or sell RC facilities; impact of competition; availability, cost of and demand for alternative tax credit vehicles and other technologies; technical, start-up and operational difficulties; availability of raw materials; loss of key personnel; the value of our products, technologies and intellectual property to customers and strategic investors; the value placed on our stock price as a result of anticipated future cash flows; intellectual property infringement claims from third parties; seasonality and other factors discussed in greater detail in our filings with the SEC. You are cautioned not to place undue reliance on such statements and to consult our

FOURTH QUARTER AND FULL YEAR 2017 HIGHLIGHTS

- Returned \$32.1 million to shareholders in 2017 through tender offer, share repurchase program and dividends
- Continued quarterly dividend; declared first quarter dividend of \$0.25 per share, paid in March 2018
- Tinuum distributions to ADES were in line with expectations and totaled \$16.5 million during the fourth quarter of 2017; Tinum distributions were \$53.5 million for the year ended December 31, 2017, compared to \$46.2 million during 2016
- Obtained third party tax equity investor for two RC facilities during the fourth quarter. The Company and Tinuum increased the number of RC facilities by four during the year ended December 31, 2017, resulting in a total of 17 invested facilities
- Reduced indirect operating costs by 35% compared to 2016
- Cash position increased by \$17.5 million compared to December 31, 2016, ending with \$30.7 million of unrestricted cash and cash equivalents as of December 31, 2017
- Full year net income of \$27.9 million or \$1.29 per diluted share
- Based on invested RC facilities as of December 31, 2017, the Company reaffirms its recently updated expected net RC cash flows to ADES are between \$275 million and \$300 million through the end of 2021



Obtain New Tax Equity Investors for RC

Return Capital Dividends Stock Repurchase

Grow EC & Continue Transformation



- Four RC facilities were invested during 2017
- Dedicated additional resources, which bolstered the pipeline
- Leverage improving political clarity and refined coal tax equity market



- Paid quarterly dividend of \$0.25 per share in July, September and December;
- Declared and paid first quarter2018 dividend of \$0.25 per share
- Paid \$15.7 million in dividends during 2017



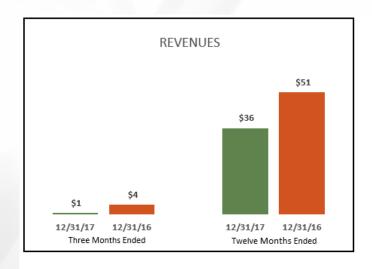
- Executed Dutch tender offer for \$13.0 million
- Executed stock repurchase for \$3.4 million

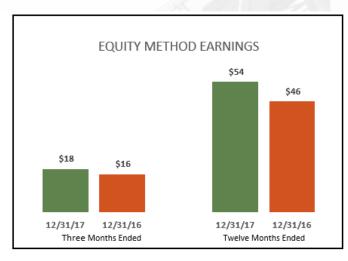


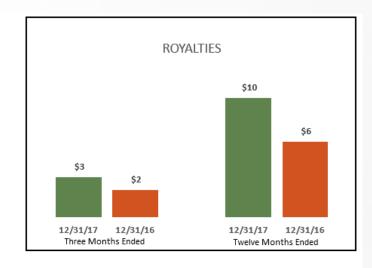
- Continued to grow sales of commercialized chemicals
- Further solidified path to monetize valuable intellectual property
- Explored targeted M&A

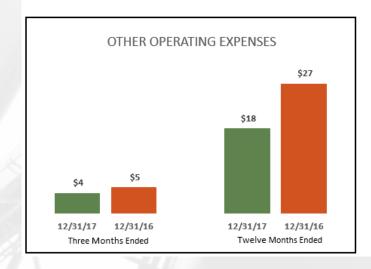


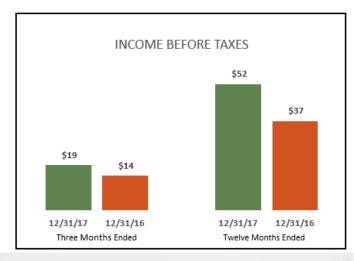
2017 FINANCIAL HIGHLIGHTS

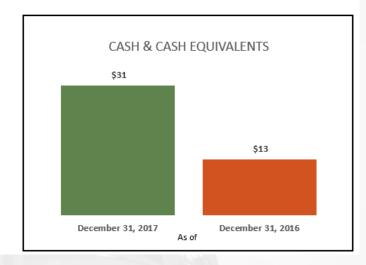












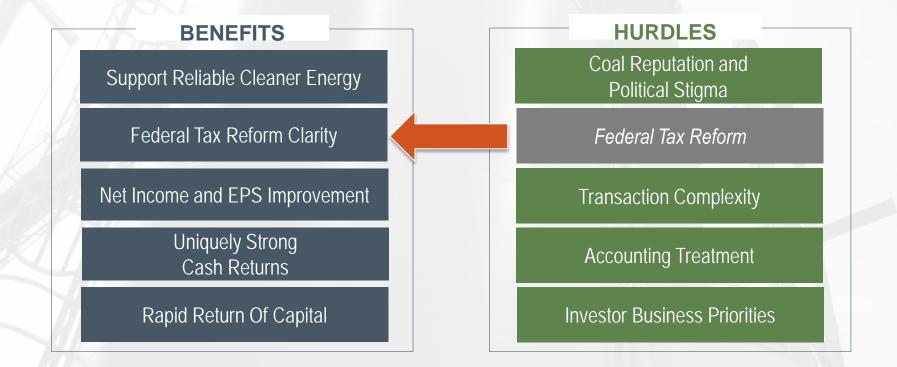


REFINED COAL ENVIRONMENT

The refined coal business is proven and yields many benefits to utilities, investors and the environment, and while the outlook is improving, there continues to be hurdles to overcome

A significant number of major public and private companies have invested in RC Tax Equity since its inception

There are benefits if hurdles can be overcome





REFINED COAL FACILITIES TODAY AND TOMORROW

FULL-TIME OPERATIONS ROADMAP

Not Operating and Not Invested

11 RC facilities –
installed
and waiting for investor
or yet to be installed⁽¹⁾

Operating and Invested

17 RC facilities leased/sold (40-50 MT/year) **POTENTIAL**

28 RC facilities (~100 MT/year)

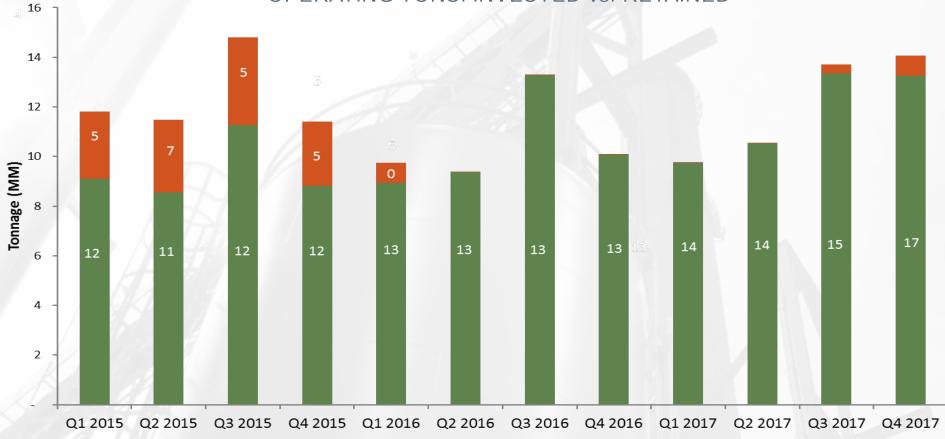
RC Facility information as of December 31, 2017

2018 - 2021





OPERATING TONS: INVESTED vs. RETAINED



Three Month Ended December 31, 2017	Invested	Retained	QTD - Total
Tonnage (1)	13,260	800	14,060
Count (#) (2)	17	-	17

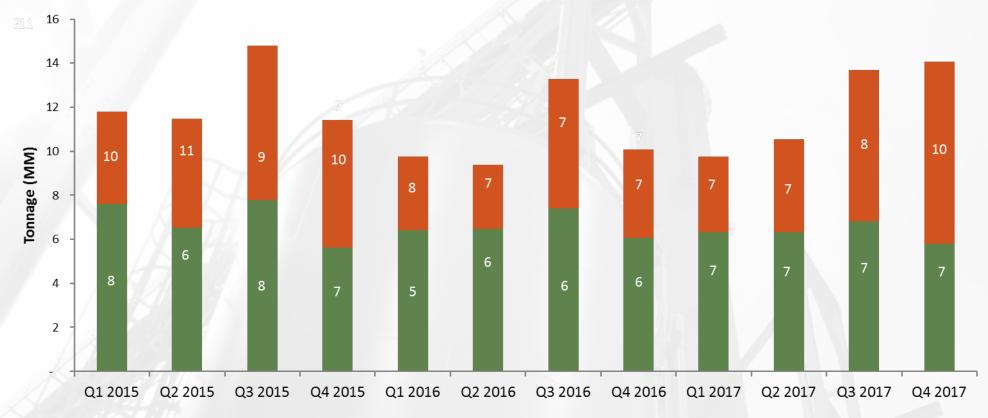
Twelve Months Ended December 31, 2017	Invested	Retained	YTD - Total
Tonnage (1)	46,887	1,187	48,074
Count (#) (2)	17	-	17

Note: Numbers within bar graph represent the number of facilities per category as of the end of each quarter presented

⁽¹⁾ Tonnage information is based upon RC production for the three and twelve months ended December 31, 2017 (in thousands)

⁽²⁾ During Q3 2017, a 15th RC facility became approximately 50% invested with an independent 3rd party. The remaining ~50% is retained by Tinuum Group, NexGen and the Company; the Company benefits from the tax credits attained.

OPERATING TONS: ROYALTY VS. NON-ROYALTY



Three Month Ended	·		OTD - Total
December 31, 2017	Royalty	Non-Royalty	Q1D - 10tal
Tonnage (1)	8,254	5,806	14,060
Count (#) (2)	10	7	17

Twelve Months Ended	Operatir	ng Tons	YTD - Total
December 31, 2017	Royalty	Non-Royalty	TID - TOTAL
Tonnage (1)	22,795	25,279	48,074
Count (#) (2)	10	7	17

Note: Numbers within bar graph represent the number of facilities per category as of the end of each quarter presented

⁽¹⁾ Tonnage information is based upon RC production for the three and twelve months ended December 31, 2017 (in thousands)

⁽²⁾ Counts are based upon the number of facilities of which a royalty has been earned during the period

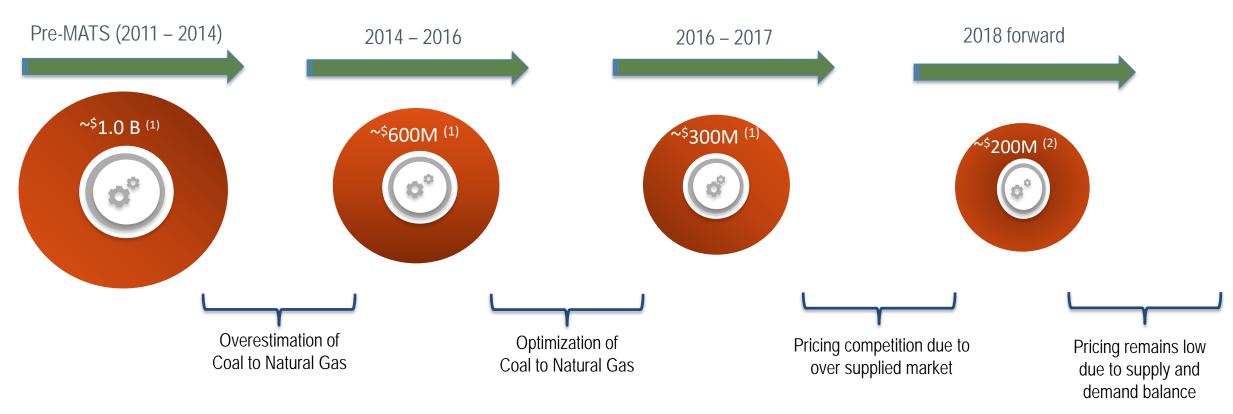




EMISSIONS CONTROL: MARKET UPDATE

- Decreases in mercury control market demand were of a greater magnitude and speed than what we and other market participants anticipated
- Expect that there will be significant consolidation amongst market participants in upcoming 24 months

NORTH AMERICAN MERCURY CONTROL ANNUAL MARKET SIZE TIMELINE



- (1) Market size based on hindsight estimates and current information on historical industry pricing, including products such as Powder Activated Carbon (PAC), Halogen and Re-emissions.
- (2) Based on management's estimate that industry pricing will normalize according to current pricing trends



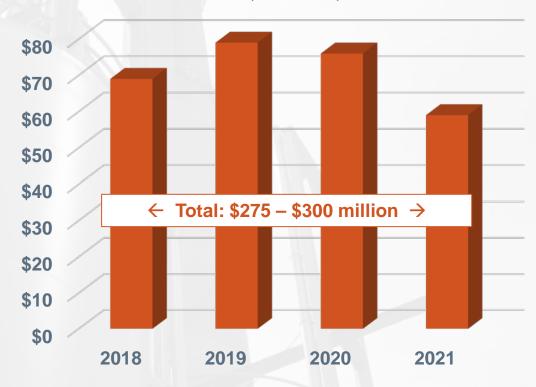
Future Cash Flows for ADES & 2018 Priorities

EXPECTED FUTURE NET RC ADES CASH FLOWS

- Based on 17 invested facilities as of December 31, 2017 and includes all net RC cash flows of ADES (1)
- Results in expected net RC cash flows of \$275M to \$300M to ADES in total through 2021 (2)
- Each additional refined coal facility could add between \$5-7 million annually
- Obtained third party tax equity investors for RC facilities in March, July and November 2017
- Additionally, net cash flow usage from Corporate, offset by EC segment contributions, are estimated to range from \$8-10 million annually on a run rate basis⁽³⁾

EXPECTED CASH FLOWS FROM RC BUSINESS (1)

(in millions)



⁽¹⁾ Net RC cash flows includes the impact of all Tinuum distributions and royalty payments offset by the Company's federal and state tax payments as well as interest payments

⁽²⁾ The projection is based on the following four key assumptions: 1) Tinuum Group continues to not operate retained facilities; 2) Tinuum Group does not have material CapEx or unusual operating expenses; 3) tax equity lease renewals are not terminated or repriced; and 4) coal-fired generation remains consistent

⁽³⁾ Net cash flow usage does not include payment of potential quarterly dividends or share repurchases and is after additional cost adjustments





2018 PRIORITIES



INCREASE AND OPTIMIZE REFINED COAL NET CASH FLOWS:

Add Investors:

- Nurture current & add additional sales channels
- Leverage improving refined coal tax equity market and investor clarity as a result of tax reform.

Optimization:

- Maximize operational performance to produce RC and further develop customer relationships to ensure retention of RC customers
- Optimize resources at ADES to support Tinuum and public platform while also reducing expenses



RETURN CAPITAL TO STOCKHOLDERS:

Evaluate options and execute on continued progress for additional return of capital to shareholders, including:

- Stock repurchase (open market and/or one-time tender offers)
- Dividends (one-time and/or incremental recurring)



EVALUATE ALTERNATIVE OPTIONS:

Evaluate options, including:

- Monetization of current or future tax assets
- Look to build upon current public platform
- Properly position for market transformation



Appendix A: 10-K Balance Sheet⁽¹⁾

	As of December 31,		er 31,	
(in thousands, except share data)		2017		2016
ASSETS				-)
Current assets:				
Cash and cash equivalents	\$	30,693	\$	13,208
Restricted cash		_		13,736
Receivables, net		1,113		8,648
Receivables, related party		3,247		1,934
Prepaid expenses and other assets		1,835		1,382
Total current assets		36,888		38,908
Property and equipment, net of accumulated depreciation of \$1,486 and \$2,920, respectively		410		735
Equity method investments		4,351		3,959
Deferred tax assets		38,661		61,396
Other assets		2,308		2,298
Total Assets	\$	82,618	\$	107,296
LIABILITIES AND STOCKHOLDERS' EQUITY			_	
Current liabilities:				
Accounts payable	\$	1,000	\$	1,920
Accrued payroll and related liabilities		1,384		2,121
Billings in excess of costs on uncompleted contracts		1,830		4,947
Legal settlements and accruals		_		10,706
Other current liabilities		2,664		4,017
Total current liabilities		6,878		23,711
Legal settlements and accruals, long-term				5,382
Other long-term liabilities		2,285		2,038
Total Liabilities		9,163		31,131
Commitments and contingencies (Note 4)				
Stockholders' equity:				
Preferred stock: par value of \$.001 per share, 50,000,000 shares authorized, none outstanding		_		- N.J
Common stock: par value of \$.001 per share, 100,000,000 shares authorized, 22,465,821 and 22,322,022 shares issued and 20,752,055 and 22,024,675 shares outstanding at December 31, 2017 and 2016, respectively		22		22
Treasury stock, at cost: 1,713,766 and zero shares as of December 31, 2017 and 2016, respectively		(16,397)		N -
Additional paid-in capital		105,308		119,494
Accumulated deficit		(15,478)		(43,351
Total stockholders' equity	_	73,455	$\overline{}$	76,165
Total Liabilities and Stockholders' Equity	\$	82,618	\$	107,296

⁽¹⁾ See complete Consolidated Financial Statements and Notes related thereto within the Annual Report on Form 10-K for the period ended December 31, 2017.

Appendix B: 10-K Income Statement⁽¹⁾

	Years Ended De					nber 31,		
ands, except per share data) 2017				2016		2015		
Revenues:								
Equipment sales	\$	31,401	\$	46,949	\$	60,099		
Chemicals		4,246		3,025		888		
Consulting services and other		45		648		1,752		
Total revenues		35,692		50,622		62,739		
Operating expenses:								
Equipment sales cost of revenue, exclusive of depreciation and amortization		28,438		37,741		45,433		
Chemicals cost of revenue, exclusive of depreciation and amortization		3,434		1,700		601		
Consulting services and other cost of revenue, exclusive of depreciation and amortization		13		376		1,518		
Payroll and benefits		7,669		12,390		23,589		
Rent and occupancy		795		2,168		3,309		
Legal and professional fees		4,354		8,293		16,604		
General and administrative		3,857		3,721		6,104		
Research and development, net		157		(648)		5,362		
Depreciation and amortization		789		979		2,019		
Total operating expenses	<u> </u>	49,506		66,720		104,539		
Operating loss		(13,814)		(16,098)		(41,800		
Other income (expense):						MAN		
Earnings from equity method investments		53,843		45,584		8,921		
Royalties, related party		9,672		6,125		10,642		
Interest income		54		268		24		
Interest expense		(3,024)		(5,066)		(8,402		
Litigation settlement and royalty indemnity expense, net		3,269		3,464		11 1		
Other		2,025		2,463		494		
Total other income		65,839		52,838		11,679		
Income (loss) before income tax expense		52,025		36,740		(30,121		
Income tax expense (benefit)		24,152		(60,938)		20		
Net income (loss)	\$	27,873	\$	97,678	\$	(30,141		
Earnings (loss) per common share (Note 1):				1				
Basic	\$	1.30	\$	4.40	\$	(1.37		
Diluted	\$	1.29	\$	4.34	\$	(1.37		
Weighted-average number of common shares outstanding:								
Basic		21,367		21,931		21,773		
Diluted		21,413		22,234		21,773		
Cash dividends declared per common share outstanding:	\$	0.75	\$	_	\$	-		

⁽¹⁾ See complete Consolidated Financial Statements and Notes related thereto within the Annual Report on Form 10-K for the period ended December 31, 2017.



Years Ended December 31,

		rears Efficed December 31,							
(in thousands)		2017 2016			2015				
Cash flows from operating activities	101								
Net income (loss)	\$	27,873	\$	97,678	\$	(30,141			
Adjustments to reconcile net income (loss) to net cash used in operating activities:									
Deferred tax benefit from release of valuation allowance		(474)		(61,396)		_			
Depreciation and amortization		789		979		2,019			
Debt prepayment penalty and amortization of debt issuance costs		109		1,380		987			
Impairment of property, equipment, inventory, intangibles and cost method investment		464		2,280		2,087			
Provision for accounts receivable and other receivables		385		13		633			
Interest costs added to principal balance of notes payable				_		923			
Share-based compensation expense, net		2,209		2,868		6,879			
Earnings from equity method investments		(53,843)		(45,584)		(8,921			
Gain on sale of equity method investment		_		(2,078)		_			
Gain on settlement of note payable, licensed technology, and sales-type lease		12		(1,910)		_			
Other non-cash items, net		44		35		285			
Changes in operating assets and liabilities, net of effects of acquired businesses:									
Receivables		6,743		(301)		8,361			
Related party receivables		(1,313)		(16)		(479			
Prepaid expenses and other assets		(351)		1,195		(107			
Costs incurred on uncompleted contracts		27,048		29,623		6,492			
Deferred tax asset, net		23,208							
Other long-term assets		41		961		205			
Accounts payable		(920)		(4,254)		(1,340			
Accrued payroll and related liabilities		(738)		(2,887)		(102			
Other current liabilities		(1,586)		(3,105)		(812			
Billings on uncompleted contracts		(30,140)		(32,272)		(15,186			
Advance deposit, related party		_		(2,980)		(3,544			
Other long-term liabilities		154		(2,175)		595			
Legal settlements and accruals		(16,088)		(4,211)		(3,722			
Distributions from equity method investees, return on investment		4,638		7,900		5,019			
Net cash used in operating activities		(11,748)		(18,257)		(29,869			

⁽¹⁾ See complete Consolidated Financial Statements and Notes related thereto within the Annual Report on Form 10-K for the period ended December 31, 2017.

Appendix C: 10-K Cash Flow (continued)⁽¹⁾

		Υ	ears E	nded December	r31,	
(in thousands)	400	2017		2016		2015
Cash flows from investing activities	9/2					
Distributions from equity method investees in excess of cumulative earnings		48,875		38,250		8,651
Maturity of investment securities, restricted				336		_
Acquisition of property and equipment		(485)		(289)		(507)
Proceeds from sale of property and equipment		57		52		942
Advance on note receivable		_		4 -		(500
Acquisition of business		\ _		_		(2,124
Purchase of and contributions to equity method investee		(61)		(223)		(2,128
Proceeds from sale of equity method investment				1,773		_
Net cash provided by investing activities		48,386		39,899		4,334
Cash flows from financing activities		3400				
Borrowings on Line of Credit		808		_		_
Repayments on Line of Credit		(808)		9_		_
Short-term borrowings		7		_		13,539
Repayments on short-term borrowings and notes payable, related party		_		(14,496)		(3,234
Short-term borrowing loan costs and debt prepayment penalty		(236)		(979)		1 MA -
Repurchase of shares to satisfy tax withholdings		(566)		(196)		(276
Dividends paid		(15,690)		- The state of the		
Repurchase of common shares		(16,397)		_		11 1-
Net cash (used in) provided by financing activities		(32,889)		(15,671)		10,029
Increase (Decrease) in Cash and Cash Equivalents and Restricted Cash		3,749		5,971		(15,506
Cash and Cash Equivalents and Restricted Cash, beginning of year		26,944		20,973		36,479
Cash and Cash Equivalents and Restricted Cash, end of year	\$	30,693	\$	26,944	\$	20,973
Supplemental disclosure of cash flow information:						
Cash paid for interest	\$	3,644	\$	3,647	\$	6,274
Cash paid for income taxes, net of refunds received	\$	1,672	\$	541	\$	29
Supplemental disclosure of non-cash investing and financing activities:						
Settlement of RCM6 note payable	\$	_	\$	13,234	\$	
Non-cash reduction of equity method investment	\$	_	\$	11,156	\$	7
Stock award reclassification (liability to equity)	\$	_	\$	899	\$	
Dividends payable	\$	139	\$	_	\$	

⁽¹⁾ See complete Consolidated Financial Statements and Notes related thereto within the Annual Report on Form 10-K for the period ended December 31, 2017.