

## **Third Quarter 2019 Results Call**

November 13, 2019





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"); potential RC facility transactions with tax-equity investors and estimated tonnage associated with such potential transaction; required capital investment to transition existing facilities to operating status; opportunities for optimizing operations including higher margin and higher growth activities; improving integration and other potential growth opportunities, including new markets; anticipated early repayment of term loan; and evaluation of additional ways to return capital to stockholders. 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; tax equity lease renewals are not terminated or repriced; 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; customer demand for our products; competition within the industries in which we operate; availability of opportunities to further grow our business; loss of key personnel; 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 SEC filings for additional risks and uncertainties that may apply to our business and the ownership of our securities. Our forward-looking statements are presented as of the date made, and we disclaim any duty to update such statements unless required by law to do so.

#### THIRD QUARTER 2019 BUSINESS HIGHLIGHTS



### Refined Coal ("RC")

- Q3'19 distributions up 100% to \$18.7 million
- Operating income up 42% to \$18.2 million
- Secured tax equity investors for two additional royaltybearing RC facilities
- Incremental 2019 contracted tonnage now 15M



# Power Generation and Industrials ("PGI")

- Revenue up to \$14.0 million, compared to \$1.0 million
- Growth was driven by consumables
- Remain focused on filling plant capacity and winning share as a full solutions provider for pollution control



# Net Income & Capital Allocation

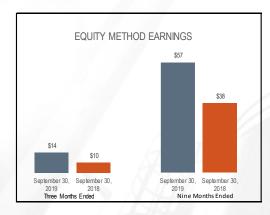
- Net income of \$3.9 million, or \$0.21 per diluted share
- Paid dividend of \$0.25 per share
- Declared 2019 fourth quarter \$0.25 per share
- Board increased amounts available for share repurchases to \$10.0 million

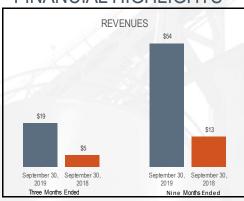


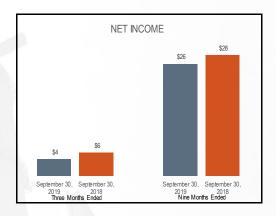
#### Outlook

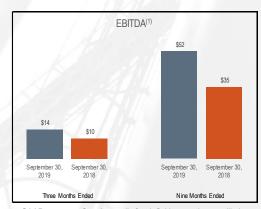
- Cashflows from RC projected to be between \$150 million to \$175 million through 2021, with more expected
- Increasing earnings from Activated Carbon as manufacturing plant is leveraged

## FINANCIAL HIGHLIGHTS

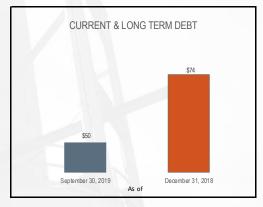








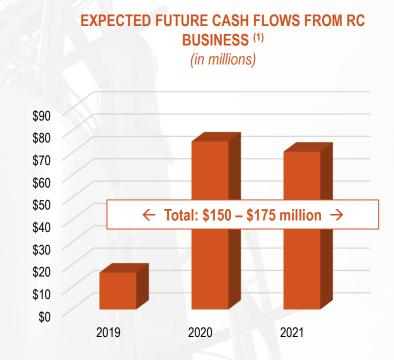




(1) EBITDA is a non-GAAP measure. See Appendix for definitions and reconciliations.

### EXPECTED FUTURE REFINED COAL ("RC") CASH FLOWS

- Based on 23 invested facilities as of September 30,
   2019 and includes all net RC cash flows of ADES (1)
- Results in expected future net RC cash flows of \$150
   million to \$175 million to ADES in total through 2021 (2)
- Future net RC cash flows based upon expiration of two 2019 RC units during Q4 2019
- Each additional refined coal facility could add between \$5-7 million annually to ADES (3)
- We believe opportunities remain to secure additional tax equity investors before production tax credit expiration, currently scheduled for December 31, 2021



<sup>(1)</sup> Net projected RC cash flows include the impact of all expected Tinuum distributions and royalty payments offset by the Company's federal and state tax payments as well as 453A interest payments

<sup>(2)</sup> The expectation is based on the following four key assumptions: 1) Tinuum Group continues to not operate retained facilities; 2) Tinuum Group does not have material unexpected CapEx or unusual operating expenses based on expectations as of the balance sheet date; 3) tax equity lease renewals are not terminated or repriced; and 4) coal-fired generation remains consistent with contractual expectations

<sup>(3)</sup> Estimates based on coal-fired utility that burns 4.0 million tons per year

### POWER GENERATION & INDUSTRIALS ("PGI") GROWTH OPPORTUNITIES

#### **Mercury Removal**

Positioned for profitable growth due to maintained market leadership and stable demand plus additional share gain through RC transition



**Today** 





**Future** 

#### **Tomorrow**

#### **Industrial and Municipal Water**

Opportunity to leverage Carbon Solutions' best-inclass production facility and make investments to capture broader share of industrial and municipal water markets

# Premium and Adjacent Segments

Lowest cost manufacturer, coupled with Industry leading Commercial and R&D expertise can drive higher growth and premium margin across the entire activated carbon market



- Since the start of the Capital Allocation program (1), we have paid \$49.6 million in dividends and utilized capital of \$44.7 million to repurchase shares
- The Company entered a three-year, \$70 million term loan in December 2018 to fund the acquisition of Carbon Solutions which requires quarterly principal repayments of \$6.0 million. We expect to pay off this loan in less than the stated three-year term funded by Tinuum cash flows
- We are currently committed to our dividend program and will continue to leverage opportunistic share repurchases
- As of September 30, 2019 the Company made \$24 million in debt principal payments during 2019









#### INCREASE AND OPTIMIZE <u>REFINED COAL</u> 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



#### **INTEGRATION AND GROWTH:**

Integration:

Efficiently combine the teams, expertise, operations and product suite of Carbon Solutions

#### Growth:

Immediately address market share capture in North American Mercury Control PAC market, as well as evaluate and pursue adjacent market PAC opportunities

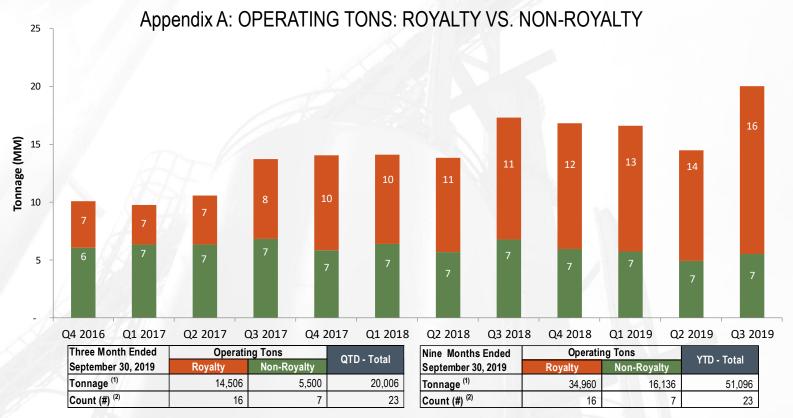


#### **RETURN CAPITAL TO SHAREHOLDERS:**

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

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





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

<sup>(1)</sup> Tonnage information is based upon RC production for the three months ended September 30, 2019 (in thousands)

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

## Appendix B: 10-Q Balance Sheet(1)

		As of						
(in thousands, except share data)		mber 30, 2019	December 31, 2018					
ASSETS								
Current assets:								
Cash, cash equivalents and restricted cash	\$	15,155	\$	18,577				
Receivables, net		6,771		9,554				
Receivables, related parties		4,382		4,284				
Inventories, net		16,917		21,791				
Prepaid expenses and other assets		6,070		5,570				
Total current assets		49,295		59,776				
Restricted cash, long-term		5,000		5,195				
Property, plant and equipment, net of accumulated depreciation of \$5,651 and \$1,499, respectively		44,168		42,697				
Intangible assets, net		4,300		4,830				
Equity method investments		44,111		6,634				
Deferred tax assets, net		13,491		32,539				
Other long-term assets, net		18.363		7,993				
Total Assets	\$	178,728	\$	159,664				
LIABILITIES AND STOCKHOLDERS' EQUITY	<del> </del>		•					
Current liabilities:								
Accounts payable	\$	6,838	\$	6,235				
Accrued payroll and related liabilities		3,893		8,279				
Current portion of long-term debt		24,072		24,067				
Other current liabilities		4.287		2,138				
Total current liabilities	16	39,090		40,719				
Long-term debt		26,276		50,058				
Other long-term liabilities		6.062		940				
Total Liabilities		71,428		91,717				
Commitments and contingencies (Note 8)	1 11			,-				
Stockholders' equity:								
Preferred stock: par value of \$.001 per share, 50,000,000 shares authorized, none outstanding		4		_				
Common stock; par value of \$.001 per share, 100,000,000 shares authorized, 22,915,429 and 22,640,677 shares issued, and 18,594,498		00		00				
and 18,576,489 shares outstanding at September 30, 2019 and December 31, 2018, respectively		23		23				
Treasury stock, at cost: 4,320,931 and 4,064,188 shares as of September 30, 2019 and December 31, 2018, respectively		(44,666)		(41,740				
Additional paid-in capital		97,706		96,750				
Retained earnings		54,237		12,914				
Total stockholders' equity		107,300		67,947				
Total Liabilities and Stockholders' Equity	\$	178,728	\$	159,664				

<sup>(1)</sup> See complete, unaudited Condensed Consolidated Financial Statements and Notes related thereto within the Quarterly Report on Form 10-Q for the period ended September 30, 2019.

## Appendix C: 10-Q Income Statement<sup>(1)</sup>

		Three Months Ended September 30,				Nine Months Ended September 30,			
(in thousands, except per share data)	V . A 200 at 11	2019		2018		2019		2018	
Revenues:	V VAR 7.50 4		The same of the sa			13			
Consumables	\$	14,748	\$	1,043	\$	41,243	\$	2,390	
License royalties, related party		4,385		4,104		12,796		10,857	
Other		_		_		_		72	
Total revenues		19,133		5,147		54,039		13,319	
Operating expenses:									
Consumables cost of revenue, exclusive of depreciation and amortization		11,939		954		38,339		2,567	
Other sales cost of revenue, exclusive of depreciation and amortization		/////		_		_		(346)	
Payroll and benefits		2,651		2,555		8,005		7,528	
Legal and professional fees		1,755		698		5,300		3,459	
General and administrative		3,136		834		7,699		3,098	
Depreciation, amortization, depletion and accretion	V 7 <u>84. 4</u>	2,043	I	74		4,902		262	
Total operating expenses		21,524		5,115		64,245		16,568	
Operating (loss) income		(2,391)		32		(10,206)		(3,249)	
Other income (expense):		1 (1)		41	1.74				
Earnings from equity method investments		14,426		9,715		57,051		37,857	
Interest expense		(1,729)		(399)		(5,820)		(1,147)	
Other		212	100	86		342		146	
Total other income	\$	12,909	\$	9,402	\$	51,573	\$	36,856	
Income before income tax expense	1 1 1 0 3	10,518		9,434		41,367		33,607	
Income tax expense	4 4 <u>8 d</u>	6,595	1 11 1	3,931		14,928		5,151	
Net income	\$	3,923	\$	5,503	\$	26,439	\$	28,456	
Earnings per common share (Note 1):					411				
Basic	\$	0.22	\$	0.28	\$	1.45	\$	1.41	
Diluted	\$	0.21	\$	0.28	\$	1.44	\$	1.40	
Weighted-average number of common shares outstanding:									
Basic		18,112		19,726		18,184		20,090	
Diluted		18,339		19,876		18,394		20,228	

<sup>(1)</sup> See complete, unaudited Condensed Consolidated Financial Statements and Notes related thereto within the Quarterly Report on Form 10-Q for the period ended September 30, 2019.

## Appendix D: 10-Q Cash Flow(1)

(in thousands) Cash flows from operating activities	Nine Months E	Nine Months Ended September 30,						
	2019	2018						
Net income	\$ 26,439	9 \$ 28,456						
Adjustments to reconcile net income to net cash provided by operating activities:								
Increase in valuation allowance on deferred tax assets	3,82	2 2,731						
Depreciation, amortization, depletion and accretion	4,90	2 262						
Operating lease expense	2,37	_						
Amortization of debt discount and debt issuance costs	1,32·	4						
Stock-based compensation expense	1,320	6 1,929						
Earnings from equity method investments	(57,05	1) (37,857						
Other non-cash items, net	69	7 190						
Changes in operating assets and liabilities:								
Receivables and related party receivables	2,68	5 (375						
Prepaid expenses and other assets	(44)	0) (797						
Costs incurred on uncompleted contracts		- 15,945						
Inventories	4,560	<del>-</del>						
Deferred tax assets, net	6,81	2 (966						
Other long-term assets	(4.	3) —						
Accounts payable	1,010	0 (340						
Accrued payroll and related liabilities	(4,38)	6) 587						
Other current liabilities	(27)	8) (1,974						
Billings on uncompleted contracts		- (15,945						
Operating lease liabilities	(2,43	5) —						
Other long-term liabilities	(52)	9) (157						
Distributions from equity method investees, return on investment	56,800	4,000						
Net cash provided by (used in) operating activities	47,59	8 (4,311						

<sup>(1)</sup> See complete, unaudited Condensed Consolidated Financial Statements and Notes related thereto within the Quarterly Report on Form 10-Q for the period ended September 30, 2019.

## Appendix D: 10-Q Cash Flow (continued)(1)

		Nine Months Ended September 30,						
(in thousands)		2019	2018					
Cash flows from investing activities		71						
Distributions from equity method investees in excess of cumulative earnings	\$	— \$	33,575					
Acquisition of business		(661)	<u> </u>					
Acquisition of property, plant, equipment, and intangible assets, net		(6,430)	(191)					
Mine development costs		(2,083)	_					
Contributions to equity method investees		_	(750)					
Net cash (used in) provided by investing activities		(9,174)	32,634					
Cash flows from financing activities								
Principal payments on term loan		(24,000)	_					
Principal payments on finance lease obligations		(1,016)	_					
Dividends paid		(13,729)	(15,226)					
Repurchase of common shares		(2,926)	(11,169)					
Repurchase of common shares to satisfy tax withholdings		(370)	(707)					
Net cash used in financing activities		(42,041)	(27,102)					
(Decrease) increase in Cash and Cash Equivalents and Restricted Cash		(3,617)	1,221					
Cash and Cash Equivalents and Restricted Cash, beginning of period		23,772	30,693					
Cash and Cash Equivalents and Restricted Cash, end of period	\$	20,155 \$	31,914					
Supplemental disclosure of non-cash investing and financing activities:								
Dividends declared, not paid	\$	204 \$	85					

### Appendix E: Non-GAAP Financial Measure & Consolidated EBITDA Reconciliation to Net Income

#### Note on Non-GAAP Financial Measure

To supplement the Company's financial information presented in accordance with U.S. generally accepted accounting principles, or GAAP, this investor presentation includes a non-GAAP measure of certain financial performance. This non-GAAP measures include Consolidated EBITDA. The Company included a non-GAAP measure because management believes that it helps to facilitate comparison of operating results between periods. The Company believes the non-GAAP measure provides useful information to both management and users of the financial statements by excluding certain expenses, gains and losses that may not be indicative of core operating results and business outlook. The non-GAAP measure is not in accordance with, or an alternative to, measures prepared in accordance with GAAP and may be different from non-GAAP measures used by other companies. In addition, the non-GAAP measure is not based on any comprehensive set of accounting rules or principles. This measure should only be used to evaluate the Company's results of operations in conjunction with the corresponding GAAP measures.

The Company has defined Consolidated EBITDA as net income, adjusted for the impact of the following items that are either non-cash or that the Company does not consider representative of its ongoing operating performance: depreciation, amortization, depletion and accretion, interest expense, net and income tax expense. Because Consolidated EBITDA omits certain non-cash items, the Company believes that the measure is less susceptible to variances that affect the Company's operating performance.

The Company presents Consolidated EBITDA because the Company believes it is useful as supplemental measures in evaluating the performance of the Company's operating performance and provides greater transparency into the results of operations. The Company's management uses Consolidated EBITDA as a factor in evaluating the performance of its business.

The adjustments to Consolidated EBITDA in future periods are generally expected to be similar. Consolidated EBITDA has limitations as analytical tools, and you should not consider these measures in isolation or as a substitute for analyzing the Company's results as reported under GAAP.

	Three Months Ended September 30,				Nine Months Ended September 30,				
(in thousands)		2019		2018		2019		2018	
Net income	\$	3,923	\$	5,503	\$	26,439	\$	28,456	
Depreciation, amortization, depletion and accretion		2,043		74		4,902		262	
Interest expense, net		1,663		317		5,619		1,003	
Income tax expense		6,595		3,931		14,928		5,151	
Consolidated EBITDA	\$	14,224	\$	9,825	\$	51,888	\$	34,872	