

Market Overview

Indices Performance (% change)

	November 2020	LTM		November 2020	LTM
S&P 500	13.1%	14.5%	NASDAQ	14.2%	38.9%
Dow Jones Industrial Average	11.8%	3.9%	Russell 3000	14.6%	16.5%

Source: Federal Reserve; Bank of St. Louis

Environmental Services Market Overview

Environmental Services Movers and Losers (largest % changes in the month in November)

Clean Harbors	36.6%	Perma-Fix Environmental Services	(7.3%)
Covanta	36.6%		
Sharps Compliance	33.4%		
Heritage-Crystal Clean	16.9%		
Cypress Energy Partners	13.4%		

Source: PitchBook

Publicly Traded Company Performance: Solid Waste

(\$ in millions, except per share data)

Company	Share Price 11/30/2020	% of 52 Wk High	Market Capitalization	Enterprise Value	Valuation Multiples			PE Multiples		LTM Operating Margins			Net Debt/EBITDA	
					TEV/Total Revenue	TEV/EBITDA	TEV/EBIT	LTM P/E	CY18 P/E	Gross	EBIT	EBITDA		
Waste Management	WM	\$119.13	94.0%	\$50,345	\$60,066	4.0x	15.2x	25.9x	33.7x	16.9x	39.0%	15.4%	26.3%	2.5x
Republic Services	RSG	\$96.72	93.2%	\$30,827	\$39,456	3.9x	16.4x	24.8x	30.3x	17.2x	40.0%	15.7%	23.7%	3.6x
Waste Connections	WCN	\$103.98	93.6%	\$27,336	\$31,344	5.8x	27.2x	76.9x	133.3x	26.9x	40.0%	7.5%	21.3%	3.5x
Casella Waste Systems	CWST	\$60.18	97.4%	\$3,052	\$3,647	4.7x	23.6x	62.9x	78.2x	30.3x	33.2%	7.5%	20.1%	3.8x
Mean				\$27,890	\$33,628	4.6x	20.6x	47.6x	68.9x	22.8x	38.0%	11.6%	22.8%	3.3x
Median				\$29,082	\$35,400	4.4x	20.0x	44.4x	55.9x	22.1x	39.5%	11.5%	22.5%	3.5x
High				\$50,345	\$60,066	5.8x	27.2x	76.9x	133.3x	30.3x	40.0%	15.7%	26.3%	3.8x
Low				\$3,052	\$3,647	3.9x	15.2x	24.8x	30.3x	16.9x	33.2%	7.5%	20.1%	2.5x

Source: PitchBook

Total Enterprise Value (TEV) = Market Capitalization + Preferred Equity + Debt + Minority Interest - Cash

LTM = Last Twelve Months

Environmental Services Industry Contacts

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Publicly Traded Company Performance: Special Waste

(\$ in millions, except per share data)

Company	Share Price 11/30/2020	% of 52 Wk High	Market Capitalization	Enterprise Value	Valuation Multiples			PE Multiples		LTM Operating Margins			Net Debt/EBITDA	
					TEV/Total Revenue	TEV/EBITDA	TEV/EBIT	LTM P/E	CY18 P/E	Gross	EBIT	EBITDA		
Stericycle	SRCL	\$70.44	88.6%	\$6,449	\$8,792	3.1x	NA	NA	NA	21.2x	37.7%	(9.5%)	(0.8%)	(99.9x)
Clean Harbors	CLH	\$72.37	81.9%	\$3,998	\$5,171	1.6x	9.6x	21.6x	33.8x	21.1x	31.5%	7.4%	16.7%	2.2x
Darling Ingredients	DAR	\$48.28	96.9%	\$7,825	\$9,441	2.8x	9.5x	14.5x	16.4x	19.2x	25.0%	19.1%	29.0%	1.6x
US Ecology	ECOL	\$33.89	58.1%	\$1,068	\$1,844	2.0x	NA	NA	NA	20.8x	26.7%	(28.8%)	(19.9%)	(4.2x)
Sharps Compliance	SMED	\$7.95	88.4%	\$131	\$140	2.8x	109.8x	NA	113.6x	NA	29.4%	(0.7%)	2.5%	6.9x
Perma-Fix Environmental Services	PESI	\$6.35	63.6%	\$77	\$82	0.8x	13.5x	18.1x	18.1x	15.7x	17.5%	4.5%	6.1%	1.0x
Mean				\$3,258	\$4,245	2.2x	35.6x	18.1x	45.5x	19.6x	28.0%	(1.3%)	5.6%	(15.4x)
Median				\$2,533	\$3,507	2.4x	11.5x	18.1x	26.0x	20.8x	28.0%	1.9%	4.3%	1.3x
High				\$7,825	\$9,441	3.1x	109.8x	21.6x	113.6x	21.2x	37.7%	19.1%	29.0%	6.9x
Low				\$77	\$82	0.8x	9.5x	14.5x	16.4x	15.7x	17.5%	(28.8%)	(19.9%)	(99.9x)

Source: PitchBook

Total Enterprise Value (TEV) = Market Capitalization + Preferred Equity + Debt + Minority Interest - Cash

LTM = Last Twelve Months

Publicly Traded Company Performance: Industrial Services

(\$ in millions, except per share data)

Company	Share Price 11/30/2020	% of 52 Wk High	Market Capitalization	Enterprise Value	Valuation Multiples			PE Multiples		LTM Operating Margins			Net Debt/EBITDA	
					TEV/Total Revenue	TEV/EBITDA	TEV/EBIT	LTM P/E	CY18 P/E	Gross	EBIT	EBITDA		
Covanta	CVA	\$12.40	76.9%	\$1,637	\$4,165	2.2x	13.1x	43.8x	NA	6.4x	27.1%	5.0%	16.8%	7.9x
Heritage-Crystal Clean	HCCI	\$19.27	59.1%	\$462	\$522	1.3x	17.3x	66.8x	101.4x	22.3x	14.8%	2.0%	7.8%	2.0x
CECO Environmental	CECE	\$7.40	82.2%	\$263	\$308	1.0x	11.0x	16.7x	17.6x	NA	33.8%	5.7%	8.7%	1.6x
Cypress Energy Partners	CELP	\$2.37	23.4%	\$29	\$133	0.5x	8.0x	12.3x	NA	6.5x	13.9%	4.2%	6.4%	3.3x
EET	EET	\$0.17	81.1%	\$173	\$378	1.1x	NA	NA	NA	8.0x	6.4%	(3.3%)	1.8%	NA
Fuel Tech	FTEK	\$4.40	62.5%	\$109	\$101	4.8x	NA	NA	NA	NA	38.0%	(32.7%)	(28.7%)	1.2x
Quest Resource Holding	QRHC	\$2.03	77.9%	\$37	\$36	0.4x	13.7x	25.6x	43.7x	NA	19.3%	1.5%	2.8%	(0.6x)
Mean				\$387	\$806	1.6x	12.6x	33.1x	54.3x	10.8x	21.9%	(2.5%)	2.2%	2.6x
Median				\$173	\$308	1.1x	13.1x	25.6x	43.7x	7.3x	19.3%	2.0%	6.4%	1.8x
High				\$1,637	\$4,165	4.8x	17.3x	66.8x	101.4x	22.3x	38.0%	5.7%	16.8%	7.9x
Low				\$29	\$36	0.4x	8.0x	12.3x	17.6x	6.4x	6.4%	(32.7%)	(28.7%)	(0.6x)

Source: PitchBook

Total Enterprise Value (TEV) = Market Capitalization + Preferred Equity + Debt + Minority Interest - Cash

LTM = Last Twelve Months

Recent Industry News

❖ McNeilus Truck and Manufacturing Breaks Ground on New Facility

November 5, 2020 - McNeilus Truck and Manufacturing, Inc., an Oshkosh Corporation company (NYSE:OSK), recently broke ground on a nearly 30,000 square-foot facility that will provide customers with a unique, collaborative pre-delivery experience for their refuse collection fleets. To further highlight the Company's commitment to quality and its customers, McNeilus is also celebrating World Quality Month in November with several activities that put a spotlight on its achievements around operational excellence. McNeilus' new Joint Pre-Delivery Inspection facility, which will officially open in early spring 2021, features truck inspection bays, a parts warehouse, drive-through wash bay and a customer center, along with CNG protection measures following the highest safety standards throughout the building. One of the most unique aspects of this facility is that it brings together and aligns the truck inspection processes of the body manufacturer, chassis manufacturer and the customer for a comprehensive, streamlined experience. Advantages of McNeilus' exclusive Joint Pre-Delivery Inspection will be seen in delivered quality and reduced delivery time, along with an inspection process that aligns with specific customer needs. Data from the comprehensive joint inspection process will also be used to augment and improve manufacturing processes. Activities occurring over the coming weeks to recognize World Quality Month showcase additional production improvements and efficiencies.

❖ NWRA Urges CDC to Accept Guidance That Would Put Industry After Healthcare Workers for COVID-19 Vaccine

November 25, 2020 - The National Waste & Recycling Association (NWRA) sent a letter to the Centers for Disease Control and Prevention urging the agency to accept the recommendation of the Advisory Committee on Immunization Practices (ACIP). The ACIP recommended that essential workers, as identified by the Department of Homeland Security (DHS), should receive a COVID-19 vaccine after healthcare workers. Waste collection workers are classified as essential workers. During this national emergency, at the request of NWRA, DHS's Cybersecurity Infrastructure Security Administration (CISA) classified waste collection workers as "essential" under five different "Essential Critical Infrastructure Workers" categories. Waste and Recycling workers were placed on the National Academies of Science, Engineering, and Medicine's COVID-19 vaccine priority list in response to a request from the association. The National Waste & Recycling Association (NWRA) represents the private sector waste and recycling services industry. Association members conduct business in all 50 states and include companies that manage waste, recycling and medical waste, equipment manufacturers and distributors, and a variety of other service providers.

❖ How Cannabis Can! is Navigating Recycling in a Newly-Legal Industry

November 25, 2020 - The cannabis industry is forcing businesses in every sector from finance to waste to rapidly adapt to evolving state regulations while adhering to the federal government's stance on the plant. The rush to open business doors as the United States progresses on the legalization front has left little time to set up the mechanisms needed for waste collection and recycling. A former Cleveland Clinic practitioner with two decades of family and occupational medicine experience, Dr. Bridget Williams became discontented with the pharmaceutical approach of traditional medicine. She made a leap into the cannabis space with Green Harvest Health (GHH) and is determined to find a solution to the industry's waste dilemma. Cannabis was legalized in the state for medicinal use in 2016, and Ohio's first dispensary debuted in January 2019. Shortly after opening her clinic, Dr. Williams - along with Ally Reaves, founder, Midwest CannaWomen and Solomon Oyeyemi, owner, Green Ideas and Wellness - launched Cannabis Can!, a nonprofit that is, among other efforts, working to establish a sustainable recycling system for the state. In a recent conversation, Dr. Williams and Waste360 outlined how legalization is impacting waste collection efforts and what progress is being made to create a recycling model for cannabis in Ohio.

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Sources include waste360.com, PitchBook and various publicly available news publications.

Additional information is available upon request.