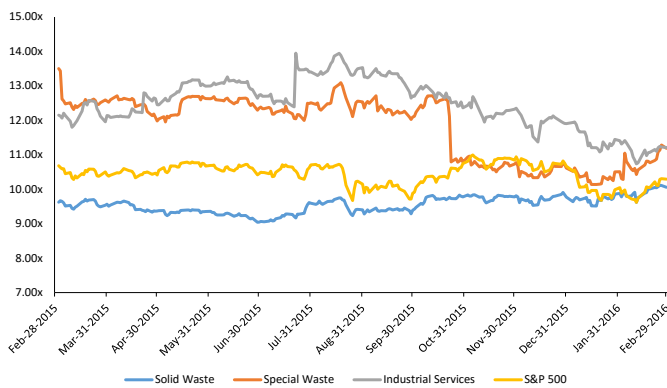


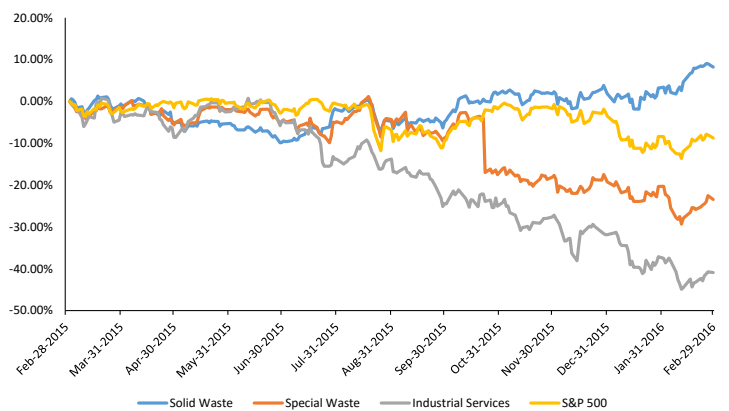
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Environmental Services YTD TEV/EBITDA



Environmental Services YTD Share Price (Shown as % change)



## Indices Performance (% change)

	<u>February 2016</u>	<u>LTM</u>		<u>February 2016</u>	<u>LTM</u>
S&P 500	1.2%	(8.9%)	Solid Waste	4.6%	8.2%
Dow Jones	1.7%	(9.9%)	Special Waste	(3.9%)	(23.4%)
NASDAQ	(0.5%)	(9.3%)	Industrial Services	(5.8%)	(40.9%)

(Source: CapitalIQ)

## Largest Environmental Services Movers and Losers (largest % changes in the month of February)

Industrial Services of America, Inc.	46.7%	Cypress Energy Partners, LP	(40.9%)
US Ecology, Inc.	10.1%	CECO Environmental Corp.	(19.9%)
Ecology & Environment, Inc.	9.6%	Heritage-Crystal Clean, Inc.	(18.8%)
Progressive Waste Solutions Ltd.	7.1%	Quest Resource Holding Corporation	(16.4%)
Waste Management, Inc.	4.9%	Sharps Compliance Corp.	(14.8%)

## Environmental Services Industry Contacts

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## Select Public Trading Statistics (as of 2/29/2016)

### Solid Waste:

(\$ in millions, except per share data)

Company	Share Price 02/29/2016	% 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	CY14 P/E	CY15 P/E	Gross	EBIT	EBITDA		
Waste Management, Inc.	WM	\$55.85	98.3%	\$24,890	\$33,854	2.6x	10.1x	16.6x	33.8x	21.2x	22.1x	36.5%	16.0%	26.1%	2.6x
Republic Services, Inc.	RSI	\$45.70	98.0%	\$15,761	\$23,305	2.6x	9.1x	15.4x	21.5x	21.1x	23.1x	38.9%	16.6%	28.1%	2.9x
Waste Connections Inc.	WCN	\$61.67	96.1%	\$7,548	\$9,715	4.6x	13.7x	22.1x	NM	26.6x	28.7x	44.4%	20.8%	33.5%	3.0x
Progressive Waste Solutions Ltd.	TSX:BIN	\$30.64	96.4%	\$3,334	\$4,949	2.4x	9.8x	21.8x	26.0x	23.6x	23.8x	36.1%	11.2%	25.0%	3.2x
Casella Waste Systems Inc.	CWST	\$5.93	81.9%	\$243	\$773	1.4x	7.4x	18.5x	64.7x	(25.9x)	(43.6x)	30.0%	5.2%	16.7%	5.7x
<b>Mean</b>				\$10,355	\$14,519	2.7x	10.0x	18.9x	36.5x	13.3x	10.8x	37.2%	14.0%	25.9%	3.5x
<b>Median</b>				\$7,548	\$9,715	2.6x	9.8x	18.5x	29.9x	21.2x	23.1x	36.5%	16.0%	26.1%	3.0x
<b>High</b>				\$24,890	\$33,854	4.6x	13.7x	22.1x	64.7x	26.6x	28.7x	44.4%	20.8%	33.5%	5.7x
<b>Low</b>				\$243	\$773	1.4x	7.4x	15.4x	21.5x	-25.9x	-43.6x	30.0%	5.2%	16.7%	2.6x

Source: Capital IQ

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

LTM = Last Twelve Months

### Special Waste:

(\$ in millions, except per share data)

Company	Share Price 02/29/2016	% 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	CY14 P/E	CY15 P/E	Gross	EBIT	EBITDA		
Stericycle, Inc.	SRCL	\$113.93	75.2%	\$9,682	\$12,859	4.3x	16.3x	19.4x	38.5x	31.0x	31.5x	44.5%	22.0%	26.3%	4.0x
Clean Harbors, Inc.	CLH	\$42.60	71.9%	\$2,454	\$3,652	1.1x	7.4x	16.6x	56.3x	37.0x	36.2x	28.0%	6.7%	15.1%	2.4x
Darling Ingredients Inc.	DAR	\$9.01	51.3%	\$1,484	\$3,462	1.0x	7.2x	16.5x	23.8x	32.9x	NM	21.9%	4.4%	12.4%	4.3x
US Ecology, Inc.	ECOL	\$37.00	69.8%	\$804	\$1,096	1.9x	8.8x	13.8x	31.4x	25.3x	26.1x	30.4%	14.1%	22.1%	2.4x
Sharps Compliance Corp.	SMED	\$5.35	51.0%	\$83	\$68	2.1x	28.4x	41.2x	66.6x	NM	82.5x	35.2%	5.0%	7.3%	(6.0x)
Perma-Fix Environmental Services Inc.	PESI	\$3.77	80.9%	\$44	\$53	0.8x	9.9x	34.7x	54.2x	NM	NM	23.0%	1.7%	7.7%	(0.3x)
<b>Mean</b>				\$2,425	\$3,532	1.9x	13.0x	23.7x	45.1x	31.6x	44.1x	30.5%	9.0%	15.1%	1.1x
<b>Median</b>				\$1,144	\$2,279	1.5x	9.4x	18.0x	46.4x	32.0x	33.8x	29.2%	5.9%	13.7%	2.4x
<b>High</b>				\$9,682	\$12,859	4.3x	28.4x	41.2x	66.6x	37.0x	82.5x	44.5%	22.0%	26.3%	4.3x
<b>Low</b>				\$44	\$53	0.8x	7.2x	13.8x	23.8x	25.3x	26.1x	21.9%	1.7%	7.3%	(6.0x)

Source: Capital IQ

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

LTM = Last Twelve Months

### Industrial Services:

(\$ in millions, except per share data)

Company	Share Price 02/29/2016	% 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	CY14 P/E	CY15 P/E	Gross	EBIT	EBITDA		
Covanta Holding Corporation	CVA	\$13.93	60.5%	\$1,825	\$4,219	2.6x	11.6x	25.6x	27.3x	55.4x	105.9x	32.3%	9.2%	21.3%	6.8x
CECO Environmental Corp.	CECE	\$6.21	40.6%	\$211	\$381	1.1x	8.7x	12.9x	NM	18.5x	13.3x	29.8%	8.2%	12.7%	3.1x
Heritage-Crystal Clean, Inc.	HCCI	\$7.68	47.7%	\$171	\$225	0.6x	7.3x	17.6x	NM	(102.2x)	33.2x	19.8%	2.4%	7.3%	1.9x
Cypress Energy Partners, L.P.	CELP	\$6.08	32.0%	\$72	\$171	0.4x	7.6x	10.4x	NM	19.4x	15.9x	12.1%	4.2%	5.8%	5.4x
Quest Resource Holding Corporation	QRHC	\$0.49	35.9%	\$54	\$52	0.3x	NM	NM	NM	(30.0x)	NM	8.0%	(3.9%)	(1.6%)	(0.5x)
Ecology & Environment, Inc.	EEL	\$10.48	87.4%	\$45	\$38	0.3x	3.9x	4.5x	14.0x	NM	NM	44.2%	6.7%	7.7%	(1.2x)
Fuel-Tech, Inc.	FTEK	\$1.55	47.0%	\$36	\$21	0.3x	NM	NM	NM	(966.7x)	NM	38.8%	(9.3%)	(3.6%)	8.3x
Industrial Services of America, Inc.	IDSA	\$1.76	32.7%	\$14	\$21	0.3x	NM	NM	NM	NM	NM	(6.2%)	(14.6%)	(10.7%)	(0.9x)
<b>Mean</b>				\$304	\$641	0.7x	7.8x	14.2x	20.7x	-167.6x	42.1x	22.4%	0.4%	4.9%	2.9x
<b>Median</b>				\$63	\$112	0.4x	7.6x	12.9x	20.7x	-5.7x	24.5x	24.8%	3.3%	6.6%	2.5x
<b>High</b>				\$1,825	\$4,219	2.6x	11.6x	25.6x	27.3x	55.4x	105.9x	44.2%	9.2%	21.3%	8.3x
<b>Low</b>				\$14	\$21	0.3x	3.9x	4.5x	14.0x	-966.7x	13.3x	-6.2%	-14.6%	-10.7%	(1.2x)

Source: Capital IQ

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

LTM = Last Twelve Months





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## Select Mergers and Acquisitions & Capital Raising News

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### ❖ **Advanced Disposal Buys Tatum Sanitation, Boosting Georgia Footprint**

February 4, 2016 – Advanced Disposal has purchased waste hauler Tatum Sanitation, expanding its presence in north Georgia. Ponte Vedra, Florida-based Advanced Disposal acquired the assets of Tatum, based in Canton, Georgia, for an undisclosed amount. The purchase includes vehicles and residential customers in Georgia's Cherokee County. The new acquisition will operate out of its existing north Atlanta facility.

Georgia has been one of the targets for the company as it has continued its steady acquisition strategy. In late December, Advanced Disposal purchased two other waste and recycling haulers, Webb Waste Inc. of Macon, Georgia and Ball Ground, Georgia-based AC Sanitation, Inc. From Webb, it obtained front-end loading and roll-off commercial customers in Georgia's Bibb County. Advanced Disposal's purchase of AC Sanitation includes commercial and residential customers in Georgia's Cherokee County.

Advanced Disposal launched its initial public offering (IPO) of more than 21 million shares of its common stock. It made the offering at the beginning of February of 21,428,571 common shares, with the company offering 9,037,033 of the shares and the selling stockholder 12,391,538 shares. The New York Stock Exchange has approved Advanced Disposal's common stock for listing under the ticker symbol "ADSW."

### ❖ **Private Equity Firm to Buy Lytx for \$500M**

February 18, 2016 – Video telematics provider Lytx is set to be acquired by Chicago-based private equity firm GTCR in an all-cash \$500 million transaction expected to be finalized within the first quarter this year. Lytx, which offers its DriveCam video recording and other subscription-based services to over 1,400 fleet clients, will remain headquartered in San Diego with its current management team unchanged by the transaction.

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## Select Industry News

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### ❖ **Waste Haulers Pushing Their Case to Raise Rates**

February 5, 2016 – Springfield, Illinois officials have begun meeting with the four private waste haulers that do business in the city, companies that have been urging local leaders to consider raising the rates they're allowed to charge. The city council sets the maximum rates haulers operating in Springfield can charge, which were most recently raised in 2003. At an \$11.25-per-month charge for one can plus recyclables and \$13.75 for two containers plus recyclables, weekly waste collection rates in the city are lower than elsewhere in Sangamon County.

### ❖ **More than 318 Million Pounds of E-Waste Diverted from NY Dumps**

February 10, 2016 – State officials say more than 318 million pounds of electronic waste was diverted from landfills in the first three years of New York's electronics recycling law, but discarded televisions and computer monitors pose a challenge. The final phase of New York's 2010 electronics recycling law took effect in January 2015, making it illegal for consumers to throw "e-waste" in the garbage.

### ❖ **California's Largest Recycler Lays Off Nearly 300 Employees**

February 10, 2016 – rePlanet, California's largest recycler, closed 191 recycling centers and laid off almost 300 people. This leaves many smaller communities without a place to take their cans and bottles. rePlanet blames a decline in the commodity prices of aluminum and plastic along with increased costs for health insurance and a higher minimum wage.

### ❖ **Indianapolis Suspends Contract with Recycling Company**

February 10, 2016 – Indianapolis has announced the temporary suspension of the city's contract with recycling company Covanta Indianapolis Inc. The contract would have involved a \$45 million advanced recycling center on the company's Indianapolis campus. The city will gather information in the next 90 days to reassess plans for an ARC facility. Covanta's preexisting agreements with the city will not be affected.

### ❖ **Terracycle's 'Zero-Waste Boxes' Hit the US Market**

February 16, 2016 – US consumers will now be easily able to recycle anything from coffee capsules to old lightbulbs following the arrival of "zero-waste boxes" to the US market. Customers who purchase a zero-waste box can fill it with a wide assortment of household and office waste not normally collected by local recycling services, such as cleaning supplies, electronic waste, plastic wrappers and coffee capsules.



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## ❖ Antero Midstream Plans to Construct Landfill for \$275M Oil/Gas Wastewater Facility

February 18, 2016 – Antero Midstream Partners LP last week filed a permit application with the West Virginia Department of Environmental Protection to construct a landfill near its proposed 60,000 barrel/day wastewater treatment complex in Doddridge County for \$275 million. Announced in August 2015, the facility would be one of the largest of its kind in the Appalachian Basin. It would process the wastewater from Antero Resources Corp.'s (AR) shale wells in Ohio and West Virginia and produce salt and sludge byproducts in the process. While the sludge would be trucked to other locations off site, the landfill would be used to dispose of salt the company can't sell to third parties such as those that manufacture rock salt for roads.

## ❖ MillerCoors Achieves Landfill-Free Operations at All Major Breweries

February 18, 2016 – All of MillerCoors' major breweries are now landfill-free, with the Fort Worth Brewery as the latest site to recycle or reuse all of its waste. The Fort Worth Brewery in Texas reduced waste by 66 percent in 2015 compared to 2014. The brewery's sustainability employee council led education initiatives throughout the facility, focusing on changing employee behaviors by making recycling easier and more accessible. Nearly 100 percent of brewery waste is recycled or reused, with the small amount of remaining waste going to a waste-to-energy facility. The company started focusing on its waste management practices in 2009, when it set a goal to reduce brewery waste by 15 percent by 2015. MillerCoors Trenton, Ohio, brewery became its first landfill-free location in 2011.

## ❖ Minneapolis Switches Recycling Provider

February 24, 2016 – Minneapolis is dumping its former recycling provider for a more localized and sustainable option. Eureka Recycling, a Minneapolis-based nonprofit recycling company, will replace Waste Management as the city of Minneapolis' recycling service. The contract begins next winter. Minneapolis is currently in the first extension year of its contract with Waste Management, the largest waste removal service in the nation. The city originally signed a three-year contract with the corporation, with the option of two one-year extensions.

## ❖ Landfill Could be First to Take Radioactive Waste Under New North Dakota Rules

February 26, 2016 – An oilfield landfill south of Williston is the first facility in North Dakota to propose accepting radioactive waste under new state rules. IHD Solids Management LLC has submitted applications to the North Dakota Department of Health to accept radioactive waste that's a byproduct of oil development and is currently being shipped out of state. The facility, in McKenzie County along U.S. Highway 85, proposes to begin accepting waste with radioactivity levels of up to 50 picocuries per gram under new Department of Health rules that took effect this year.

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Sources include Waste360, Waste Dive and various publicly available news publications. Additional information is available upon request.