Issam Kaisse



Calgon Carbon Corporation

NYSE:CCC Sector: Basic Materials

BUY

Price Target: \$23.20

Key Statistics as of 3/25/2015

Market Price: \$20.71

Industry: Commodity Chemicals

Market Cap: \$1.11B 52-Week Range: \$18.56-23.13

Beta: 1.07

Thesis Points:

• Market opportunity in the activated carbon segment

Analyst:

- Regulatory compliance for drinking water
- Stable future cash flow with long term contracts
- Growth opportunity in ballast water treatment

Company Description:

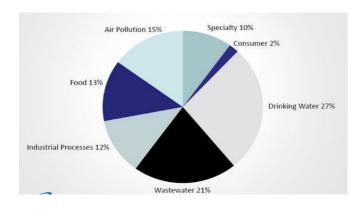
Calgon Carbon Corporation was founded in 1942 and is headquartered in Pittsburg, Pennsylvania. It provides services and solutions for purifying water and air, food, beverage, and industrial process streams primarily in the United States, Europe, and Japan. The company operates in three segments: Activated Carbon and Service, Equipment, and Consumer. The Activated Carbon and Service segment manufactures and markets granular and powdered activated carbon for use in applications to remove organic compounds from liquids, gases, water, and air. The Equipment segment offers adsorption systems that are used to control volatile organic compound emissions, off gases from air strippers, and landfill gas production; and liquid phase equipment systems for use in potable water treatment, process purification, wastewater treatment, groundwater remediation, and de-chlorination applications. This segment also provides UV oxidation equipment for taste and odor removal in municipal drinking water and for water reuse; Ionic Separator used for the purification, separation, and recovery of products in the food, pharmaceutical, mining, chemical, and biotechnology industries. The Consumer segment offers carbon cloth that is activated carbon in cloth form for medical, military, and specialty markets. The company sells its products and services through a direct sales force and sales offices, as well as through a network of agents and distributors to potable water, industrial process, environmental water, and food.





Thesis

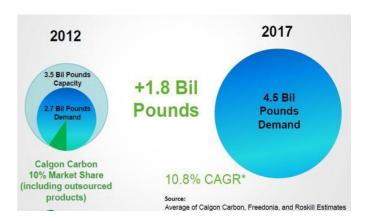
Calgon Carbon Corporation (CCC) is the world's largest producer of granular activated carbon. The firm solves customer purification and separation problems with a variety of technologies. CCC has a diverse product portfolio complemented by ultraviolet light and ION exchange. The company is a BUY because Calgon Carbon will benefit from the advance of the market for pure water and population growth. Compared to its peers, CCC represents good value in its industry and is well positioned to take advantage of the "ballast water treatment" opportunity. The company is poised for growth as it expects boom in demand for its products and is well placed to gain from its aggressive costreduction actions, capacity expansion and contract wins. As you can see on the graph below, the company is present in diverse range of markets and its largest contributions are in drinking water and wastewater treatment.



Market Opportunity

Calgon Carbon Corporation manufactures activated carbon used in the purification, separation and concentration of liquids. The report "Global Activated Carbon Market Forecast and Opportunities" projects activated carbon to grow at a CAGR of 10.8% in the next three years. Since the firm has a significant market share in this segment, CCC could benefit from an increase in demand for activated carbon from 2.7 billion pounds in 2012 to 4.5 billion pounds in 2017.





Thus, the company generates approximately 88% of the revenue from the activated carbon segment. Since the firm is already a leading manufacturer of activated carbon, CCC will be able to grow over 10% for the next few years. The report also outlines that the two major markets for activated carbon are Asia-Pacific and North America with more than 75% of the global sales in 2013. Calgon Carbon continues to develop its activated carbon segment because this product is an effective solution for air and water pollution control. Developed and developing countries are asking for this product because they want to comply with the regulations from the World Health Organization. The activated carbon is mostly used in controlling mercury emissions, as well as the treatment of drinking water and purification of air. The global market for activated carbon is expected to growth in the upcoming years because industries such as mining, food & beverages, pharmaceuticals and petrochemical are using it more frequently. Currently, the company holds a patent that it enables the use for activated carbon to remove mercury.

Regulatory compliance

Recently, the US environmental Protection Agency has issued a rule regarding the Disinfection By-Products (DBPs)². This agency of the US federal government has limited the use of disinfectants in order to decrease the risk of water contamination from the reaction of chlorine with organic material. According to the rule, the US should comply by the end of 2015. Thus, this compliance will increase the demand for granular activated carbon (GAC) as the company supplies high quality GAC that removes organic material. As you can see on the chart below, this is the process that CCC uses to deliver clean drinking water for society.

² http://water.epa.gov/lawsregs/rulesregs/sdwa/stage2/regulations.cfm





Every year demand is growing in developing countries such as China and India. Hence, those countries are encountering water crisis in rural as well as urban areas and this is an opportunity for the company to expand its business in those regions. Thus, Calgon Carbon will benefit from this increase in demand and the mounting environmental pollution. In fact, governments are trying to save the planet from deteriorating quality of water, so they are enacting policies to limit pollution levels. The rising environmental awareness is triggering the demand for solutions that will reduce the negative effects of environmental pollution.

Stable Future Cash Flows

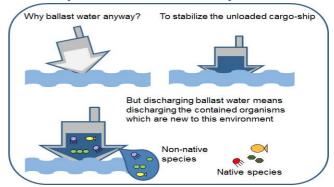
Calgon Carbon Corporation has been able to secure its future growth. As a matter of fact, the firm has signed long-term contracts with several clients. Those long-term contracts will make cash flow stability stronger for Calgon Carbon. According to the company's presentation, the table below shows that almost all contracts length is 10 years.

Location	Contract Length	Projected Annual Reactivation Amount (millions of pounds)		
City of Phoenix	10 Years	6-11		
City of Scottsdale	10 Years	6		
City of Glendale	10 Years	1-2		
Thames Water (UK)	10 Years*	11		
		Source: Company Presentation		

As discussed earlier there is an increasing demand for granular activated carbon and potable reactivation, CCC will most likely benefit from a flow in long-term contracts. Thus, the company can achieve a strong growth momentum as long as it continues establishing contract length of more than 10 years. Recently, the firm has been able to sign a contract with the municipality of Seoul City in South Korea in order to supply 7 million pounds of granular activated carbon. South Korea selected Calgon Carbon because the country believes that the firm has an advanced manufacturing process that meets the requirements in the drinking water treatment industry³.

Growth Opportunity in Ballast water treatment

Calgon Carbon pays close attention to the subject of ballast water and the negative impact on the marine environment. Cruise ships, large tankers, and bulk cargo carriers use water as ballast to increase stability and improve fuel efficiency. As you can see on the image below, the process of ballast tanks is explained.



Ships will often fill and empty their ballast tanks relative to their cargo weight. When those ships empty their tank in different regions, they introduce non-native species that could harm marine line. Hence, the Marine Environment Protection Committee and the US Coast Guard decided to issue ballast water management regulations that will require ships to treat their ballast water before draining it. The new regulations are expected to go into force within next year and there is a market opportunity for CCC out there. According to Bloomberg, ballast water treatment "market may reach as much as \$3.14 billion by 2023, up from about \$466.6 million this year"4. Calgon Carbon will benefit from this new market because ships in US waters will be required to equip themselves with ballast water treatment systems. In fact, the firm acquired Hyde Marine in 2010 as it saw a market potential in the long term. The solutions that Hyde Marin offers are less costly than the competition and can service most ship types. Thus, this acquisition will enable CCC to be a world leader in ballast water treatment systems and evolve into one of the most exciting long-term market opportunities.

 $^{^3}$ http://www.pghtech.org/news-publications/techburgher/calgon-carbon-awarded-second-major-contract-in-2014-for-drinking-water-treatment-in-south-korea.aspx#.VQ9hRZOG_dJ

http://www.bloomberg.com/news/articles/2013-12-05/ballast-water-treatment-market-seen-exceeding-3-billion



Financials & forecasts

Calgon Carbon Corporation continues achieving significant improvement from the periods of 2013. At first glance, the company seems to be undervalued and more attractive than its peers. CCC is trading at a 2016 PE of approximately 17, which makes it attractive because the company's PEG ratio is at 2.86. Thus, the stock is undervalued and there is a positive momentum in the long term. Currently, the company is trading near the 52 week low so it is a good opportunity to consider CCC as an investment perspective. Calgon Carbon generated an operating cash flow of \$84.3 million for 2014 and a positive free cash flow that increased by 74% from 2012 to 2014. Also, the firm has a debt that does not exceed \$30 million without any debt servicing pressure. The company announced on February 19th, 2015 that it will start paying a dividend of 5 cent per share. Thus, Calgon Carbon is confident that it will have enough cash in the future to keep sustaining the dividend payment. Overall, the pro-forma has a conservative approach with an upside potential of almost 13% and a price target of \$23.20.

Conclusion

Calgon Carbon has an interesting growth opportunity. As a matter of fact, the company is actively improving itself in the activated carbon segment and preparing its products to comply with the international regulations. CCC can be considered a long-term investment because it is well positioned to take advantage of the standards about air and water pollution. The management team of the company looks forward to succeed in the future that is why they realize strategic acquisitions that could benefit the company. The ballast water market is a growing opportunity and Calgon Carbon seems to be well prepared to outperform its peers. The global water crisis is one of the biggest challenges and this represent a high growth opportunity in emerging markets for the firm. The stock has the potential to achieve high returns in the next 5 years and for these reasons Calgon Carbon Corporation is definitely a BUY.



		CENTER FO	R GLOBAL	FINANCIAL ST	TUDIES			
Calgon Carbon Corporation	CCC	Analyst DI SAM	Current Price \$20.71	Intrinsic Value \$20.72	Target Value \$23.20	Divident Yield	Target Return	NEUTRAL
Gener	ral Info	Peers	Market Cap.	Ų2011Z		agement	120,000	
Sector	Materials	Pall Corporation	\$10,634.64	Professional	Title	Comp. FY2012	Comp. FY2013	Comp. FY2014
Industry	Chemicals	Xylem Inc.	\$6,311.42	Dearth, Randall	Chairman, Chief Executive Offio	\$ 769,613.00	\$ 1,747,986.00	\$ 1,842,383.00
Last Guidance	Feb-19-2015	CLARCOR Inc.	\$3,243.35	Schott, Stevan	Chief Financial Officer, Principal.	\$ 462,504.00	\$ 694,248.00	\$ 723,420.00
Next earnings date	NM	Donaldson Company, Inc.	\$5,061.76	O'Brien, Robert	Chief Operating Officer and Exe	\$ 826,991.00	\$ 933,262.00	\$ 955,223.00
Mark	et Data	Beijing Sanju Environmental Protection &	\$18,837.18	Rose, Richard	Senior Vice President, General Co	\$ 440,646.00	\$ 620,952.00	\$ 565,217.00
Enterprise value	\$1,112.71	MeadWestvaco Corporation	\$8,335.21	Coccagno, James	Senior Vice President of Asia, Gl	\$ 42,400.00	\$ 299,752.00	\$ 374,049.00
Market Capitalization	\$933.35	Canexus Corporation	\$297.65	Colletti, Nicholas	Vice President	\$ -	\$ -	\$ -
Daily volume	0.86	Nippon Carbide Industries Co., Inc.	\$19,651.54	Historical Performance				
Shares outstanding	52.85	Fujian Yuanli Active Carbon Co., Ltd	\$1,755.76		ccc	Peers	Industry	All U.S. firms
Diluted shares outstanding	53.94	Fangda Jinhua Chemical Technology Co.,l	\$3,753.60	Growth	5.3%	2.4%	7.1%	6.0%
% shares held by institutions	77.02%	Current Capital St	tructure	Retention Ratio	79.2%	28.7%	48.4%	61.6%
% shares held by insiders	1.32%	Total debt/market cap	6.41%	ROIC		11.4%	22.7%	11.8%
Short interest	1.84%	Cost of Borrowing	1.63%	EBITA Margin	11.7%	11.3%	11.8%	13.7%
Days to cover short interest	3.66	Interest Coverage	28271.10%	Revenues/Invested capital	105.0%	109.1%	191.3%	202.3%
52 week high	\$23.13	Altman Z	5.62	Excess Cash/Revenue	6.0%	12.3%	12.8%	18.5%
52-week low	\$18.56	Debt Rating	AA	Unlevered Beta	0.73	0.79	1.21	0.95
5y Beta	1.04	Levered Beta	1.18	TEV/REV	1.8x	1.7x	1.1x	2.4x
6-month volatility	26.06%	WACC (based on market value weights)	8.51%	TEV/EBITDA	11.4x	11.6x	9.3x	11.3x
-	Past Earn	ning Surprises		TEV/EBITA	15.6x	16.9x	12.7x	15.4x
	Revenue	EBITDA	Norm. EPS	TEV/UFCF	25.4x	45.7x	34.0x	26.8x
Last Quarter	0.4%	1.8%	0.0%		Non GAA	P Adjustments		
Last Quarter-1	-2.8%	-6.1%	-4.2%	Operating Leases Capitalization	100%	Straightline	10 ye	ars
Last Quarter -2	-1.3%	-2.3%	0.0%	R&D Exp. Capitalization	100%	Straightline	10 ye	ars
Last Quarter -3	-0.6%	0.4%	0.0%	Expl./Drilling Exp. Capitalization	0%	N/A	N/.	A
Last Quarter -4	-3.6%	-0.1%	5.3%	SG&A Capitalization	0%	N/A	N/.	A
		Proforma Assumptions				Forecasted Profi		
		Period	Rev. Growth	Adj. Op. Cost/Rev	Revenue	NOPLAT	Invested capital	UFCF
Operating. Cash/Cash	0.0%	LTM	1%	80%	\$555.10	\$47.94	\$552.99	\$47.94
Operating. Cash/Cash Unlevered Beta	0.0% 1.10							
		LTM	1%	80% 76% 77%	\$555.10	\$47.94	\$552.99	\$47.94
Unlevered Beta	1.10 150.0%	LTM LTM+1Y	1% 5%	80% 76% 77% 77%	\$555.10 \$582.86	\$47.94 \$60.00	\$552.99 \$627.29	\$47.94 -\$14.29
Unlevered Beta Rev/Invested Capital	1.10 150.0%	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y	1% 5% 10% 12% 15%	80% 76% 77% 77% 77%	\$555.10 \$582.86 \$641.14	\$47.94 \$60.00 \$61.23	\$552.99 \$627.29 \$696.86	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth	1.10 150.0% 7.0%	LTM LTM+1Y LTM+2Y LTM+3Y	1% 5% 10% 12%	80% 76% 77% 77% 77% 78%	\$555.10 \$582.86 \$641.14 \$718.08	\$47.94 \$60.00 \$61.23 \$66.25	\$552.99 \$627.29 \$696.86 \$782.29	\$47.94 -\$14.29 -\$8.34 -\$19.18
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y	1% 5% 10% 12% 15% 18%	80% 76% 77% 77% 77% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y	1% 5% 10% 12% 15% 18%	80% 76% 77% 77% 77% 78% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y LTM+8Y	1% 5% 10% 12% 15% 15% 18% 17% 16%	80% 76% 77% 77% 77% 78% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y	1% 5% 10% 12% 15% 18% 17% 16% 16% 10%	80% 76% 77% 77% 77% 78% 78% 78% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y LTM+8Y	1% 5% 10% 12% 15% 15% 18% 17% 16%	80% 76% 77% 77% 77% 78% 78% 78% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y LTM+7Y LTM+8Y LTM+8Y LTM+9Y	1% 5% 10% 12% 15% 18% 17% 16% 12% 10%	80% 76% 77% 77% 77% 78% 78% 78% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC	1% 5% 10% 12% 15% 18% 17% 16% 16% 12% 10% Valuatio	80% 76% 77% 77% 77% 78% 78% 78% 78% 78% 78%	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price
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Unlevered Beta Rev/Invested Capital Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8%	LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6%	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% Valuation EVA	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 **Total Debt** \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8%	LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6% 8.7%	1% 5% 10% 12% 15% 18% 17% 16% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+IY LTM+IY LTM+2Y LTM+3Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.8%	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8%	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% Valuation EVA \$0.89 \$14.29 \$7.70 \$5.88	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+IY LTM+2Y LTM+3Y LTM+3Y LTM+4Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.5%	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.8%	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46
Unlevered Beta Rev./Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3%	LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.8% 8.9% 8.9%	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% Valuation EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+4Y LTM+4Y LTM+4Y LTM+4Y LTM+5Y LTM+6Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3% 10.3% 10.3%	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.9% 8.9% 8.9% 9.1%	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12	80% 76% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35
Unlevered Beta Rev./Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.5% 9.7% 10.3% 10.3% 10.3% 10.7% 11.1%	LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.9% 8.9% 9.1% 9.1%	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 81,230.80 \$1,363.83 \$1,482.30 \$1,629.58 \$1,802.15 \$1,995.06 \$2,219.81 \$2,420.94	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 **Total Debt** \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34
Unlevered Beta Rev/Invested Capital Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+4Y LTM+6Y LTM+6Y LTM+7Y LTM+7Y LTM+7Y LTM+8Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3% 10.3% 10.7% 11.1% 11.3% 11.5%	LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.9% 8.9% 9.1% 9.2% 9.3% 9.4% Monte Carlo Simulation Ass	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09 \$27.99 \$31.51	80% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49 \$130.06 \$74.74	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17 \$2,412.22 \$2,654.87 Re Carlo Simulation Res	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34 \$46.67 \$50.23
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y LTM+6Y LTM+7Y LTM+7Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3% 10.3% 10.7% 11.1% 11.3% 11.5% Base	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.9% 8.9% 9.1% 9.1% 9.2% 9.3% 9.4% Monte Carlo Simulation Ass Stdev	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09 \$27.99 \$31.51 sumptions Min	80% 76% 77% 77% 77% 77% 77% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49 \$130.06 \$74.74	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17 \$2,412.22 \$2,654.87 \$1,000.000.000.000.000.000.000.000.000.00	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34 \$46.67 \$50.23 ults ly-Target
Unlevered Beta Rev/Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+IY LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y LTM+8Y LTM+8Y LTM+9Y Revenue Variation	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.5% 9.7% 10.3% 10.7% 11.1% 11.3% 11.5% Base 0	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+6Y LTM+7Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.9% 8.9% 9.1% 9.2% 9.3% 9.4% Monte Carlo Simulation Ass Stdev 10%	1% 5% 10% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09 \$27.99 \$31.51 sumptions Min N/A	80% 76% 77% 77% 77% 77% 77% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49 \$130.06 \$74.74 Mont	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17 \$2,412.22 \$2,654.87 e Carlo Simulation Res Intrinsic Value	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34 \$46.67 \$50.23 ults ly-Target \$23.95
Unlevered Beta Rev./Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+7Y LTM+7Y LTM+8Y LTM+9Y Revenue Variation Op. Costs Variation	1.10 150.0% 150.0% 14.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3% 10.7% 11.1% 11.3% 11.5% Base 0	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+9Y WACC 8.5% 8.6% 8.6% 8.7% 8.8% 8.9% 9.1% 9.2% 9.3% 9.4% Monte Carlo Simulation Ass Stdev 10% 10%	1% 5% 10% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09 \$27.99 \$31.51 sumptions Min N/A N/A	80% 76% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49 \$130.06 \$74.74 Mean est. σ(ε)	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17 \$2,412.22 \$2,654.87 **Carlo Simulation Res Intrinsic Value \$21.68 \$0.32	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34 \$46.67 \$50.23 ults 1y-Target \$23.95 \$0.25
Unlevered Beta Rev./Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+8Y LTM+9Y Revenue Variation Op. Costs Variation Market Risk Premium	1.10 150.0% 7.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3% 10.7% 11.1% 11.3% 11.5% Base 0 0 6%	LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+6Y LTM+7Y LTM+8Y LTM+9Y WACC 8.5% 8.6% 8.7% 8.8% 8.9% 8.9% 9.11% 9.2% 9.3% 9.4% Monte Carlo Simulation Ass Stdev 10% N/A	1% 5% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09 \$27.99 \$31.51 sumptions Min N/A N/A 5%	80% 76% 77% 77% 77% 77% 77% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49 \$130.06 \$74.74 Mean est. \(\sigma(e)\) 3 \(\sigma(e)\) adjusted price	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17 \$2,412.22 \$2,654.87 E Carlo Simulation Res	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34 \$46.67 \$50.23 ults 1y-Target \$23.95
Unlevered Beta Rev./Invested Capital Continuing Period Revenue Growth Long Term ROIC Invested Capital Growth Justified TEV/REV Justified TEV/EBITDA Justified TEV/EBITA Justified TEV/UFCF LTM LTM+1Y LTM+2Y LTM+2Y LTM+3Y LTM+4Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+7Y LTM+7Y LTM+8Y LTM+9Y Revenue Variation Op. Costs Variation	1.10 150.0% 150.0% 14.0% 14.0% Follows Forward Rev. Growth 1.6x 10.0x 14.0x 30.0x ROIC 8.7% 10.8% 9.8% 9.5% 9.7% 10.3% 10.7% 11.1% 11.3% 11.5% Base 0	LTM LTM+1Y LTM+2Y LTM+3Y LTM+3Y LTM+5Y LTM+5Y LTM+6Y LTM+7Y LTM+9Y WACC 8.5% 8.6% 8.6% 8.7% 8.8% 8.9% 9.1% 9.2% 9.3% 9.4% Monte Carlo Simulation Ass Stdev 10% 10%	1% 5% 10% 10% 12% 15% 18% 17% 16% 12% 10% EVA \$0.89 \$14.29 \$7.70 \$5.88 \$7.32 \$13.22 \$19.12 \$24.09 \$27.99 \$31.51 sumptions Min N/A N/A	80% 76% 76% 77% 77% 77% 77% 78% 78% 78% 78% 78% 78	\$555.10 \$582.86 \$641.14 \$718.08 \$825.79 \$974.44 \$1,140.09 \$1,322.50 \$1,481.21 \$1,629.33 Total Debt \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28 \$71.28	\$47.94 \$60.00 \$61.23 \$66.25 \$75.77 \$90.76 \$107.29 \$126.83 \$143.38 \$158.66 Other claims \$40.85 \$55.73 \$63.51 \$81.52 \$106.44 \$130.95 \$168.16 \$162.49 \$130.06 \$74.74 Mean est. σ(ε)	\$552.99 \$627.29 \$696.86 \$782.29 \$884.37 \$1,000.88 \$1,147.12 \$1,269.84 \$1,382.43 \$1,487.66 Equity \$1,118.66 \$1,236.82 \$1,347.50 \$1,476.78 \$1,624.43 \$1,792.83 \$1,980.37 \$2,187.17 \$2,412.22 \$2,654.87 **Carlo Simulation Res Intrinsic Value \$21.68 \$0.32	\$47.94 -\$14.29 -\$8.34 -\$19.18 -\$26.30 -\$25.75 -\$38.96 \$4.11 \$30.79 \$53.42 Adjusted Price \$21.68 \$23.95 \$26.05 \$28.58 \$31.46 \$34.82 \$38.35 \$42.34 \$46.67 \$50.23 ults 1y-Target \$23.95 \$0.25