Current Stock Price:	\$ 48.00	Rationale: % Upside/ Downside Upside/ Down. Ratio								
Target Price	\$ 69.56	25x 2022 EPS (4.5	5% FCF yield)			45%	1.8x			
Downside Price	\$ 36.16	16x 2019 EPS (8.4	1% FCF yield)			-25%				
Margin of Safety	31%					i		Estimates		
(\$ in millions)		(\$ in millions)	2017A	2018A	2019A	2019PF	2020E	2021E	2022E	
Price (5/5/20)	\$ 48.00	Product	5,453.0	5,596.0	5,648.0	5,648.0	5,083.2	5,235.7	5,497.5	
Shares (mm)	433.1	Service	6,870.0	7,319.0	7,470.0	7,470.0	7,245.9	7,680.7	8,218.3	
Market Cap	\$ 20,788	Total Revenue	12,323.0	12,915.0	13,118.0	13,118.0	12,329.1	12,916.4	13,715.8	
Plus Debt (pro forma)	6,303	Sales Growth		4.8%	1.6%	0.0%	-6.0%	4.8%	6.2%	
Less Cash (pro forma)	1,300	EBIT	1,916.0	1,835.0	1,814.0	1,883.0	1,677.9	1,900.9	2,121.4	
Firm Value	25,791	EBIT Margin	15.5%	14.2%	13.8%	14.4%	13.6%	14.7%	15.5%	
EV/EBIT (LTM)	13.7x	EBIT Growth		-4.2%	-1.1%	3.8%	-10.9%	13.3%	11.6%	
Dividend Yield (LTM)	1.9%	Diluted EPS	NA	NA	NA	\$2.26	\$2.03	\$2.38	\$2.78	
ROIC (FY19)	33.3%	P/E	NA	NA	NA	21.2x	23.6x	20.2x	17.3x	
ROTC (FY19)	-303.4%	D. shares o/s	NA	NA	NA	436.4	436.4	436.4	426.0	
		Capex	133.0	172.0	145.0	145.0	197.3	167.9	178.3	
Debt/Capital (pro forma)	30.3%	% of sales	1.1%	1.3%	1.1%	1.1%	1.6%	1.3%	1.3%	
Net Debt/EBITDA (pro forma)	2.6x	FCF	1,317	1,378	1,324	1,324	1,023	1,240	1,359	
EBIT/Interest Expense (PF)	11x	FCF Yield	NA	NA	NA	6.4%	4.9%	6.0%	6.5%	
Avg. 3M Daily Volume (mm)	6.38	ROIC	NA	33.9%	33.3%	NA	25.5%	29.3%	35.8%	
Shares Short (mm)	5.4	ROTC	NA	-372.4%	-303.4%	NA	-279.8%	-304.6%	-372.2%	

Investment Summary:

I recommend buying Otis shares at \$48/share for 45% upside with a 30% margin of safety and \$70 price target.

Otis designs, manufactures, sells and provides service on elevator equipment globally. The company spun out of United Technologies (UTX) on April 3rd and is currently trading at a 15% discount to peers despite greater scale, leading share, higher margins and similar growth opportunities. The company benefits from a strong competitive advantage, predictable recurring maintenance revenue and strong FCF generation, which should drive outperformance through the currently depressed economic environment. As a recent spin with little analyst coverage, I believe that the market is underappreciating Otis's ability to take share in an industry with long-term growth tailwinds driven by urbanization, growth of the middle class and technological upgrades. Additionally, I expect Otis's margins to increase 100bps over the next three years driven by technology investments and a growing mix towards the higher margin service segment. Finally, Otis has further upside from SG&A rationalization, input cost reductions and greater tax efficiency from its current 33% rate. The current macro environment poses some risks, but Otis's results through the last financial crisis prove company resilience.

Company Overview:

Otis was founded in 1853 in Yonkers, NY by Elisha Graves Otis, who invented the safety brake that made elevators safe for passengers. Today, the company designs, manufactures and sells new elevator equipment and provides service (maintenance, repair and modernization) on its own and others' equipment. It has 69,000 employees, including 1,300 engineers and 4,200 salespeople and 40,000 technicians. Otis reports in two segments: Product (43% of sales and 22% of EBIT) and Service (57% of sales and 78% of EBIT). Sales are split evenly, a third each in Asia, the Americas and EMEA (Europe, Middle East and Africa). While Service is over 60% of sales in the Americas and EMEA, it's just 44% of Asia sales. The company benefits from a razor/razorblade model, with 60% OE to service conversion, and 90% excluding China and Russia (though China conversion rates are set to increase significantly).

Competitive Advantage: Otis's earnings power value is significantly greater than its asset value (\$37B vs. \$9B), which implies that it has a strong competitive advantage. Otis has a position-based advantage, which stems from economies of scale and brand. As the largest player in a high fixed cost business (~45% of costs are fixed), Otis has significant economies of scale resulting in 20-30% incremental margins and its large installed base drives predictable recurring maintenance revenue. Otis's brand is meaningful in an industry where safety is of utmost importance. Otis's equipment is in the Empire State Building, the Eiffel Tower, the Lotte World Tower and the Burj Khalifa, the world's tallest building. Its brand stands for quality, safety and reliability and the company's 93% customer retention rate reflects its stable long-term customer relationships.

Industry Overview:

Competitive Landscape: Otis operates in a concentrated industry where the top four players own 60% of the \$75B market. Otis has the largest share with 16% share in new equipment and 19% dollar share in service (12% by volume). Kone and Schindler are European pure plays with slightly lower share in both segments, as shown below. ThyssenKrupp's Elevator Technology segment has 12% share and is expected to be bought by a private equity group of buyers in July. The deal was announced in February 2020 for \$18.9B, which is 22x LTM EBIT. As shown below, Otis has higher operating margins versus peers (14% vs. 11%) stemming from a higher mix of service revenue (57% vs. 53%) and economies of scale with a larger installed base (2,000 vs. 1,350).

		Market Share		Product Mix (% sales)		Geographic Mix (% sales)			Installed	Marg	ins
Company Name	Ticker	Product	Service	Product	Service	Americas	APAC	EMEA	Base	% Gross	% EBIT
KONE Oyj	HLSE: KNEBV	16%	13%	53%	47%	20.5%	39.0%	40.5%	1,350	52.1%	12.2%
Schindler Holding AG	SWX: SCHN	15%	15%	46%	52%	29.0%	27.1%	43.8%	1,400	70.0%	10.6%
ThyssenKrupp Elevator Tech		12%	12%	46%	54%	41.0%	28.0%	26.0%	1,300		9.7%
Average				47%	53%	24.8%	33.0%	42.2%		61.1%	11.4%
Otis Worldwide Corporation	NYSE: OTIS	16%	19%	43%	57%	32.8%	35.1%	32.0%	2,000	29.2%	14.4%

Suppliers/Customers: Customers differ by segment and are highly fragmented. New equipment customers include developers, general contractors, architects, consultants and government agencies. Service customers include building owners, facility managers, housing associates and government agencies. 25% of COGS consist of material (mostly steel) and suppliers are highly fragmented, 67% is installation/field work and 8% is labor and overhead.

Industry Growth: Industry growth is driven by urbanization, a growing middle class, digitization, maintenance and replacement. Every year, 80M people move from the countryside to cities, which is requiring urban infrastructure growth and greater elevator efficiency. Large developing markets, including China and India, are expected to drive long-term growth for new equipment, followed by service. In developed nations, an aging installed base drives replacement and maintenance growth (>50% of the North American and European installed base is over 20 years old). Digitization is a growing trend in the industry as it increases efficiency in the service segment and adds value to customers through savings and improved customer experience.

Barriers to Entry: High barriers to entry stemming from safety regulations, economies of scale and customer captivity have kept new entrants out of the market and led to above industry growth for the four largest players over the last couple of decades. New entrants must meet strict safety regulations and support large teams of technicians. Current trends towards customer consolidation in developing countries and digitization globally benefit the largest players with the greatest resources to invest in digitization, manufacturing efficiency and better customer service. Of the 18M elevator units installed globally, 2M are serviced by Otis and 9M by small independent service providers (ISPs), which leaves a long runway for share gains as the larger players with greater resources for reinvestment differentiate themselves with customer value-added technologies.

Thesis:

A stable defensive revenue base provides downside protection during the current economic downturn.

57% of Otis's revenues are generated from the service segment, which saw sales decline just 4.5% in 2009. Service contracts are typically four years in length, but the average length of service is 20 years and Otis has a 93% retention rate. As a result, I model service sales down 3% in FY20. New equipment sales are more cyclical but secular tailwinds provide upside for the long-term investor. Product segment sales declined 9% in 2009 and 7% in 2010 and I expect sales to be down 10% in FY20. Otis margins grew through the financial crisis resulting in flat earnings in 2009 and growth in 2010. Given Otis's margin expansion opportunity from SG&A rationalization, input

cost reductions and technology investments, all to be discussed later, I believe that EBIT margins will contract only slightly to 13.6% from 14.4% in FY19.

Kone and Schindler provided updated guidance in mid-April (Otis will report May 7th) and reduced FY20 guidance from 0-5% sales growth to 0-10% declines, depending on the duration of restrictions. Kone expects EBIT margins to be flat to down slightly while Schindler expects net profit to decline 20% (somewhat FX driven).

Otis is well positioned to take share in China, the world's largest market with a fast-growing installed base.

China is the largest market making up 60% of industry annual unit sales and 40% of the industry's installed base. While new equipment sales are flattening in China after years of growth, the installed base continues to grow HSD driving service sales. Up until 2014, the service market was very fragmented, and price driven. Otis's parent didn't want to give up margin and therefore gave up leading share in China to Kone. From 2015-2019, Otis rationalized its brands and manufacturing footprint and focused on sales in China, resulting in 150bps share gains. With increased infrastructure and real estate investment to offset trade war impacts, top developers in China are now consolidating and this will favor the large elevator OEMs as national developers require nationwide coverage and are willing to pay up for consistent high-quality service.

I expect Otis to be an outsized benefiter as the largest OEM with low-single-digit new equipment sales growth and high-teens annual service growth over the next five years. Otis's conversion rate for top developers and infrastructure customers is 80% versus 30% for all other China business. Otis's new equipment shipment mix of top developers and infrastructure customers should increase from 25% to 50% by 2024, which will support strong service sales growth. Further, Otis has digitization capabilities that it can leverage to retain existing customers and offer a better service to new customers by reducing the number of maintenance visits, as discussed below. China operating margins are below overall company margins but should increase as the sales mix shifts towards Service.

Technology investments to result in service share gains globally and higher margins from efficiency & mix shift.

Otis has invested heavily in technology in recent years and is starting to benefit through Service share gains, higher conversion and customer retention rates and improved margins. Otis ONE is an IoT solution that connects elevators to OtisLine, which provides system health and diagnostics information. This allows Otis to provide predictive and proactive elevator service, which reduces the frequency of equipment shutdowns, increases service restoration speeds, improves productivity and minimizes disruption. As a result, customers are happy, and Otis can more efficiently deploy its 40,000 field technicians. This leads to higher customer conversion and retention rates as well as improved margins from efficiency gains.

In just one year after implementing smart sensors, Otis witnessed a 40bps increased customer retention rate, a 4% reduction in average maintenance hours/unit and a 210bps increase in service sales/unit. 85% of Otis's field technicians have an Otis iPhone app, which has reduced the time to order parts by 88%. With over 50% of global units serviced by small independents lacking these value-added capabilities, I expect Otis to take share and expand segment margins. Further mix shift towards Service, driven mostly by China, which is experiencing slower new equipment growth and faster service growth, should also add to margin expansion.

Spin provides upside from SG&A rationalization, material cost reduction and tax efficiency (not modeled).

As a standalone company, Otis will implement a common ERP system and CRM tool, centralize back-office functions into a shared services center and reduce the number of P&Ls in the organization. As Otis pairs back investment spend in capabilities and systems required as a public company, these improvements should result in 100-150bps SG&A reduction as a percent of revenue. With capex spend between 1.1-1.3% of sales, Otis converts free cash flow at 110-120% of net income so savings can be reinvested for growth.

Material costs are about 25% of COGS and Otis believes it can reduce these costs by 3% annually. As a large buyer, Otis can better leverage its scale in negotiations, consolidate suppliers and utilize e-auctions and analytical tools between its engineering and manufacturing groups to reduce costs.

Otis has a 33% tax rate as 80% of cash is generated outside the US and 80% of uses are domestic, but there is room for greater efficiency, which is not built into my model assumptions. A 25% tax rate in 2019 would have resulted in a 14% increase in earnings. While this rate may be possible over time, I have assumed just a 200bps reduction in the tax rate over the next three years.

Valuation:

Despite greater scale, higher margins and similar growth opportunities, Otis trades at a 15% discount to its European peers based on price to Consensus NTM EPS (26x vs. 30x). My earnings estimates are 5-8% above Street in each of the next three years driven by higher global Service segment growth (particularly in China) and greater margin expansion. On my assumptions, Otis is trading at a 20% discount. I apply a 25x multiple, in-line with public peers', to my FY22 EPS estimate of \$2.78/share, resulting in a \$70 price target, which provides 45% upside and a 30% margin of safety. This valuation is supported by Otis's EPV of \$37B and ThyssenKrupp's buyout price: 22x EBIT.

As of 4/30/2020																		
		Stock	Market	LTM Net		LTM				P/NTM		EV/NTM	FY2020	FY2021	FY2022	FY2020	FY2021	FY2022
Company Name	Ticker	Price	Сар	Debt	EV	Revenue	LTM EBIT	LTM EPS	NTM EPS	EPS	NTM EBIT	EBIT	EPS	EPS	EPS	P/E	P/E	P/E
KONE Oyj	HLSE: KNEBV	60.52	31,370.0	(1,250.5)	30,142.3	10,919.3	1,333.8	1.92	2.0	30.3x	1,347.2	22.4x	1.88	2.18	2.35	32.2x	27.8x	25.8x
Schindler Holding AG	SWX: SCHN	214.19	23,322.3	(2,325.0)	20,997.3	11,522.7	1,223.0	7.61	7.19	29.8x	1,229.3	17.1x	6.81	8.32	9.15	31.5x	25.7x	23.4x
ThyssenKrupp Elevator Te	ch					8,988.1	870.1				•	21.7x						
Average			27,346.2		25,569.8	10,476.7	1,142.3			30.0x		19.7x				31.8x	26.8x	24.6x
													My estimates					
Otis Worldwide Corporati	ion NYSE: OTIS	50.91	21.847.1	(886.0)	21.587.1	13.118.0	1.908.0	NA	1.94	26.2x	1.654.8	13.0x	2.03	2.38	2.78	25.1x	21.4x	18.3x

Note: Future earnings estimates are sourced from CapIQ unless otherwise noted

My calculations suggest that Otis has a \$8.9B asset value and \$37.3B earnings power value (EPV) versus the current EV of \$26.4B. My assumptions are outlined in the Appendix, though it's worth noting that a significant portion of Otis's EPV is derived from its workforce, which would be very difficult for a new player to replicate and manage. The delta between the EPV and asset value indicates that Otis has a strong competitive advantage, as described above. With over 30% ROIC and a 5% WACC, continued reinvestment for growth will create value for Otis, which would provide further upside to the EPV.

My downside assumes that restrictions last 2-3 years and economic recovery is slow. Here, I value Otis at 16x "peak" (2019) earnings, which is equivalent to an 8% FCF yield, resulting in a \$36 PT or 25% downside.

Earnings Power Value Calculation:		
	2019PF	2019PF-Adj.
Revenue	13,118.0	13,118.0
COGS	9,292.0	9,292.0
Operating expenses	1,927.0	1,927.0
Operating income	1,899.0	1,899.0
Operating margin (%)	14.5%	14.5%
Over (under) depreciation charges	-	32.0
Expenses related to growth:		
Marketing	-	9.7
Product	-	2.0
Lease	-	-
Workforce	-	621.0
Extraordinary items:	-	-
Adjusted operating profit	1,899.0	2,563.7
Taxes (33%)	626.7	846.0
Sustainable NOPAT	1,272.3	1,717.7
WACC (%)	4.7%	4.7%
EPV operating business	26,941.4	36,371.7
Non-operational cash	3,229.0	3,229.0
Debt	4,124.8	4,124.8
EPV equity	27,837.2	37,267.5

Risks:

Leverage: Otis spun out of UTX with \$6.1B debt in order to provide a cash dividend to its former parent. With high recurring revenue and strong FCF generation (110-120% NI conversion), Otis should be able to support leverage at the current level. The company will repay \$500M over the next two years, which will bring leverage down to <2x net debt/EBITDA by FY22. Even with depressed EBITDA, I expect Otis to end FY20 at 3.2x total debt/EBITDA.

Longer Recession: My base case assumes that the economy recovers in 2021 but prolonged restrictions or a longer recession would result in earnings declines beyond FY20. While this could lead to my downside PT near-term, longterm investors should benefit from owning the market leader in a defensive industry with secular growth tailwinds.

Pension: Otis has an underfunded pension with \$470M obligations in excess of assets. Increased cash contributions could hurt future free cash flow, though contributions have been relatively stable around \$33M over the last three years.

Appendix

Asset Value Assumptions/Calculation:

Property, Plant & Equipment:

Otis' fixed assets include land, buildings and improvements, machinery, tools and equipment and assets under construction, as shown below from the SEC filling. Since land is very risky and the value can fluctuate substantially, lassign a 50% haircut to its balance sheet value. Buildings and improvements have a 20-40 year average useful life and likely require some maintenance capex, but not a ton to upkeep so I include 80% of its balance sheet value. Machinery, tools and equipment last 3-12 years on average so I assume 50% of they're value as these items need to be updated more often. Finally, assets under construction are left unchnaged as these are newer assets and the balance sheet amount likely reflects the true value.

Balance Sheet Fixed Assets (\$M)	2019	Adj.	2019-Adj.
Land	45	(23)	23
Buildings and improvements	574	(115)	459
Machinery, tools and equipment	1,043	(522)	522
Assets under construction	141	0	141
Accumulated depreciation	(1,082)	1,082	0
Total	721	423	1.144

Hidden Intangibles:

Balance Sheet Intangible Assets	Gross	Acc.
(\$M)	Amount	Amort.
Purchased service portfolios	2,069	(1,598)
Patents, trademarks/trade names	21	(15)
Customer relationships and other	46	(40)
	2.136	(1.653)

As shown above from company SEC filings, intangible assets on the balance sheet don't include brand or workforce, which are key value drivers. Otis' brand helps it win new equipment and service business and as such is worth more than what's reflected on the balance sheet. I assume that 10% of SG&A is direct marketing related and discount that at 7% to get a brand value. The workforce is also crucial to its success and therefore adds value also not reflected on the balance sheet.

(\$ million)		2019
Brand asset value	\$	2,531
Workforce asset value	\$	311
Employees		69,000
Average salary	\$	90,000
Estimated salary expense (000s)	\$ 6	5,210,000
5% bonus/headhunter fee	\$	310,500

Goodwill:

Otis has \$1.6B of goodwill recorded on the balance sheet. This is a result of small acquisitions made over time where the purchase price exceeded the estimated fair value of the assets acquired and liabilities assumed. Otis has invested ~550M per year over the last three years in acquisitions. Since most of the goodwill was generated from acquisitions made more than two years ago, we assume that these assets are now reflected elsewhere in the balance sheet. As such, we remove goodwill from the asset value.

	2019 /	۸dj.	2019-Adj.
Goodwill	1,647	(1,647)	0
Asset Valuation:			
	2019		
Book value of equity	 2,326		
Adjustments:			
PP&E	423		
Brand	\$ 2,531		
Workforce	\$ 311		
Goodwill	(1,647)		
Asset value of equity	 3,944		
Plus net debt (pro forma)	5,003		
Asset value of enterprise	8,947		

Earnings Power Value Assumptions:

Adjustment: growth expense - brand

				Assume that 100% of R&D expense is growth re	Assume that 100% of R&D expense is growth related and 50% of SG&A is growth								
					2019	2018	2017						
				Sales	13,118.0	12,915.0	12,323.0						
Adjustment: over/under depreciation:				Research & development	163.0	181.0	175.0						
Method 1: Revenue growth (assumes constant co	orrelation between	revenues an	d PPE)	% of sales	1.2%	1.4%	1.4%						
Revenue growth	1.6%			Average R&D growth expense as % of sales	1.4%								
PPE	721.0			Product: Assign 1.4% to growth capex	2.0								
PPE _{t+1} = PPE*(1+rev growth)	732.3			Sales & marketing (50%)	886.0	867.5	824.0						
Growth capex = PPE*rev growth	11.3			% of sales	6.8%	6.7%	6.7%						
Capital expenditures	145.0			Average growth expense as % of sales	6.7%								
Maint. Capex = capex - growth capex	133.7			Marketing: Assign 6.7% to growth capex	9.7								
Depreciation expense (D)	180.0												
Over (under) depreciation = D-maint. capex	46.3			Adjustment: growth expense - workforce									
				Number of employees	69,000								
Method 2: Direct estimate				Average annual salary:									
	2019	2018	2017	Glassdoor	90,000.0								
D&A	180.0	190.0	177.0	Proxy (median salary)	NA								
Capex	145.0	172.0	133.0	Average annual salary:	90,000.0								
Acquisition	47.0	50.0	53.0	Total (\$M)	6,210.0								
Difference	12.0	32.0	9.0	Wage cost is 10%	621.0								
Average over (under) depreciation (2017-19)	17.7			Source:									
				https://www.glassdoor.com/Salary/OTIS-Service	e-Manager-Boston	-Salaries-EJI_	IE7865.0,4_						
Average of the two methods:	32.0			https://www.salary.com/research/salary/emplo	over/otis-elevator-	company/ele	vator-mech						

WACC Assumptions:

Debt Outstanding	Amount	Interest Rate		
Short-term borrowings	34			
LIBOR+112.5bps term loan due 2023	1000	2.035%		
LIBOR+45bps floating rate notes due 2023	500	1.360%		
2.056% notes due 2025	1300	2.056%		
2.293% notes due 2027	500	2.293%		
2.565% notes due 2030	1500	2.565%		
3.112% notes due 2040	750	3.112%		
3.362% notes due 2050	750	3.362%		
Debt issuance costs	-36			
Other long-term debt	5			
Total	6303			
		_		
Weighted average cost of debt		2.419%		
WACC Calculation				
Debt (\$M) pro forma	6,303.0			
Share of debt	22.7%			
Weighted average cost of debt	2.42%			
Cost of debt	1.62%			
Equity (\$M)	21,437.5			
Share of equity	77.3%			
CAPM assumptions:				5yr beta
Risk free rate	0.6%			(CapIQ)
Beta	0.79		Kone	0.6
Market return	7.0%		Schindler	0.77
Cost of equity	5.6%		Lennox	0.99
WACC	4.7%		Avg.	0.786667

Historical UTX Otis Segment Financials:

(dollars in millions)	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Revenues	10,290.0	11,885.0	12,884.0	11,723.0	11,579.0	12,437.0	12,056.0	12,484.0	12,982.0	11,980.0	11,893.0	12,341.0	12,904.0	13,113.0
% growth		15.5%	8.4%	-9.0%	-1.2%	7.4%	-3.1%	3.6%	4.0%	-7.7%	-0.7%	3.8%	4.6%	1.6%
Organic new equip. % growth				-9.0%	-7.0%	5.0%	-1.0%	8.0%	14.0%	4.0%	3.0%	2.5%	4.0%	5.0%
Organic service % growth				-4.5%	-0.5%	0.5%	2.0%	1.0%	1.0%	0.0%	3.0%	5.0%	4.0%	5.0%
Gross profit before tax	-	-	-	3,893.0	4,039.0	4,347.0	4,048.0	4,139.0	4,226.0	3,858.0	3,808.0	3,729.0	3,712.0	3,822.0
% margin	NA	NA	NA	33.2%	34.9%	35.0%	33.6%	33.2%	32.6%	32.2%	32.0%	30.2%	28.8%	29.1%
Operating profit before tax	1,888.0	2,321.0	2,477.0	2,447.0	2,575.0	2,815.0	2,512.0	2,590.0	2,640.0	2,338.0	2,125.0	2,002.0	1,915.0	1,948.0
	18.3%	19.5%	19.2%	20.9%	22.2%	22.6%	20.8%	20.7%	20.3%	19.5%	17.9%	16.2%	14.8%	14.9%
Assets	6,973.0	7,721.0	7,731.0	7,908.0	8,097.0	8,717.0	8,866.0	9,354.0	9,313.0	8,846.0	8,867.0	9,421.0	9,374.0	9,973.0
ROA	27%	30%	32%	31%	32%	32%	28%	28%	28%	26%	24%	21%	20%	20%
D&A	183.0	186.0	203.0	204.0	211.0	223.0	220.0	209.0	209.0	176.0	171.0	177.0	190.0	337.0
Capex	(93.0)	(136.0)	(150.0)	(67.0)	(55.0)	(75.0)	(141.0)	(122.0)	(87.0)	(83.0)	(94.0)	(133.0)	(172.0)	(145.0)

Model:

(dollars in millions)	Dec-17	Dec-18	Dec-19 F	PF 12/31/	Dec-20	Dec-21	Dec-22
Income Statement:							
Net sales:							
Product sales	5,453	5,596	5,648	5,648	5,083	5,236	5,497
% growth	_	2.6%	0.9%	0.9%	-10.0%	3.0%	5.0%
% organic growth		3%	4%				
Service sales:	6,870	7,319	7,470	7,470	7,246	7,681	8,218
% growth		6.5%	2.1%	2.1%	-3.0%	6.0%	7.0%
% organic growth		4%	5%				
Total sales	12,323	12,915	13,118	13,118	12,329	12,916	13,716
% growth		4.8%	1.6%	1.6%	-6.0%	4.8%	6.2%
Cost of products sold	4,379	4,586	4,640	4,640	4,219	4,319	4,508
Product gross profit	1,074	1,010	1,008	1,008	864	916	990
% margin	19.7%	18.0%	17.8%	17.8%	17.0%	17.5%	18.0%
Cost of services sold	4,242	4,603	4,652	4,652	4,529	4,785	5,095
Service gross profit	2,628	2,716	2,818	2,818	2,717	2,896	3,123
% margin	38.3%	37.1%	37.7%	37.7%	37.5%	37.7%	38.0%
Total gross profit	3,702	3,726	3,826	3,826	3,581	3,812	4,113
% margin	30.0%	28.9%	29.2%	29.2%	29.0%	29.5%	30.0%
Segment operating profit:							
Product	482	390	393		280	340	385
% margin	8.8%	7.0%	7.0%		5.5%	6.5%	7.0%
Service	1,495	1,516	1,603		1,522	1,690	1,874
% margin	21.8%	20.7%	21.5%		21.0%	22.0%	22.8%
General corporate expenses and other	(61)	(71)	(182)		(123)	(129)	(137)
% of sales	0.5%	0.5%	1.4%		1.0%	1.0%	1.0%
Operating profit excluding other	1,916	1,835	1,814		1,678	1,901	2,121
% margin	15.5%	14.2%	13.8%		13.6%	14.7%	15.5%
Research & development	175	181	163	163	123	207	219
% of sales	1.4%	1.4%	1.2%	1.2%	1.0%	1.6%	1.6%
Selling, general and administrative	1,648	1,735	1,810	1,772	1,555	1,694	1,902
% of sales	13.4%	13.4%	13.8%	13.5%	12.6%	13.1%	13.9%
Other (expense) income, net	37	25	(39)	(8)	0	0	0
Operating profit	1,916	1,835	1,814	1,883	1,678	1,901	2,121
% margin	15.5%	14.2%	13.8%	14.4%	13.6%	14.7%	15.5%
% growth	20.070	-4.2%	-1.1%	2.6%	-10.9%	13.3%	11.6%
Non-service pension (benefit)	(20)	(44)	(33)	9	0	0	0
Interest (income) expense, net	(21)	(14)	(14)	171	146	140	140
Income from operations before income taxes	1,957	1,893	1,861	1,703	1,532	1,761	1,981
Income tax expense	1,148	683	594	567	510	563	614
% tax rate	58.7%	36.1%	31.9%		33.3%	32.0%	31.0%
				33.3%			
Net income	809	1,210	1,267	1,136	1,022	1,197	1,367
% growth	• •=•	49.6%	4.7%	-6.1%	-10.1%	17.2%	14.2%
Less: noncontrolling interest in subsidiaries	173	161	151	151	136	159	182
Net income attributable to Otis	636	1,049	1,116	985	886	1,038	1,185
Earnings per common share				2 27	2.05	2.40	2.00
Basic				2.27	2.05	2.40	2.80
Diluted				2.26	2.03	2.38	2.78
% growth					-10.2%	17.2%	16.9%
Weighted-average common shares outstanding							
Basic				433.1	433.1	433.1	423.0
Diluted				436.4	436.4	436.4	426.3
EBITDA	2,073	1,981	1,961	1,892	1,862	2,081	2,302
% margin	16.8%	15.3%	14.9%	14.4%	15.1%	16.1%	16.8%
Returns:							
ROIC		33.9%	33.3%		25.5%	29.3%	35.8%
ROTC		-372.4%	-303.4%		-279.8%	-304.6%	-372.2%
ROE		57.5%	56.8%		-29.9%	-38.0%	-41.8%
ROA		13.2%	13.1%		10.2%	11.9%	13.8%
Incremental margins:							
New equipment operating profit		-64.3%	5.8%		20.1%	39.8%	17.0%
Service operating profit		4.7%	57.6%		36.3%	38.7%	34.2%
Total		-13.7%	-10.3%		26.0%	38.0%	27.6%

Balance Sheet:	Dec-18	Dec-19 PF 12/31/	Dec-20	Dec-21	Dec-22
Assets					
Cash and equivalents	1,329	1,446	1,763	1,761	1,560
Accounts receivable	2,720	2,861	2,837	2,831	2,931
Contract assets, current	657	529	529	529	529
Inventories, net	637	571	623	599	579
Other assets, current	269	251	251	251	251
Total current assets	5,612	5,658	6,003	5,970	5,850
Future income tax benefits	364	373	373	373	373
Fixed assets, net	678	721	735	722	720
Operating lease right-of-use assets	0	535	535	535	535
Intangible assets, net	569	490	490	490	490
Goodwill	1,688	1,647	1,647	1,647	1,647
Other assets	224	263	276	289	302
Total assets	9,135	9,687	10,059	10,026	9,917
Liabilities & equity:					
Short-term borrowings	27	34	34	34	34
Accounts payable	1,351	1,331	1,366	1,347	1,394
Accrued liabilities	1,599	1,739	1,739	1,739	1,739
Contract liabilities, current	2,326	2,270	2,270	2,270	2,270
Total current liabilities	5,303	5,374	5,409	5,390	5,437
Long-term borrowings	0	0	6,016	5,766	5,766
Future pension and postretirement benefit obligations	527	590	558	526	494
Operating lease liabilities	0	386	386	386	386
Future income tax obligations	750	695	695	695	695
Other long-term liabilities	340	316	316	316	316
Total liabilities	6,920	7,361	13,380	13,079	13,094
Commitments and contingent liabilities					
Redemable noncontrolling interest	109	95	95	95	95
Total UTC Net Investment	1,569	1,700	1,700	1,700	1,700
Noncontrolling interest	537	531	531	531	531
Total equity	2,106	2,231	(3,416)	(3,148)	(3,272)
Total liabilities and equity	9,135	9,687	10,059	10,026	9,917
check?	-	-	-	-	-
Balance sheet ratios:					
Days sales outstanding	76.9	79.6	84.0	80.0	78.0
Days inventory outstanding	25.3	22.4	26.0	24.0	22.0
Days payables outstanding	53.7	52.3	57.0	54.0	53.0

Net incme	Statement of Cash Flows:	Dec-17	Dec-18	Dec-19 PF 12		Dec-21	Dec-22
Deferred income tax (benefit) provision 135 127 (8)			•	•	•	-	•
Impact from U.S. tax reform	•						
Stock compensation cost 29 38 37 40 50 50 50 10 10 10 10 1	· · · · · · · · · · · · · · · · · · ·			(0)			
Loss on disposal of businesses 0	•			. 37			
Change in working capital: Accounts receivable, net (13) (196) (191) 24 66 (100) Contract assets, current (108) 24 60 (52) 24 00 0 0 0 inventories and contracts in progress, net (109) 24 60 (52) 24 00 0 0 0 Accounts payable and accrued liabilities 119 166 (28) 35 (19) 47 Contract allabilities, current (109) 167 72 0 0 0 0 Accounts payable and accrued liabilities (119) 166 (28) 35 (19) 47 Contract allabilities, current (109) 24 60 (52) 24 00 0 0 Accounts payable and accrued liabilities (119) 166 (28) 35 (19) 47 Contract allabilities, current (109) 24 60 (52) 35 (19) 0 0 0 Accounts payable and accrued liabilities (119) 166 (28) 35 (19) 47 Contract allabilities, current (109) 24 (34) (32)	·						
Accounts receivable, net (13) (196) (191) 24 6 (100) Contract assets, current (109) 24 60 (52) 24 20 (11) 30 0 0 (11)	•						
Contract assets, current							. ,
Investment Comment C	·						, ,
Other assets, current	•		, ,				
Accounts payable and accrued liabilities 119		, ,			. ,	0	
Contract liabilities, current	Accounts payable and accrued liabilities	119		(28)	35	(19)	47
Pension contributions (30) (34) (32) (32) (32) (32) (32) (01) (01) (01) (01) (01) (01) (01) (01		0	167		0		0
Other operating activities, net (13) 27 31 0 0 0 Net cash from operating activities 1,450 1,550 1,469 1,220 1,407 1,530 Capital expenditures (133) (172) (145) (197) (168) (178) Investments in businesses, net of cash acquired (53) (50) (47) 0 0 0 0 Other investing activities (186) (201) (203) (197) (168) (178) Increase (decrease) in borrowings, net (11) 11 6 6,016 6,015 (270) 0 Net transfers to UTC (1,128) (1,312) (972) (6,300) 0 <th< td=""><td></td><td>(30)</td><td>(34)</td><td>(32)</td><td>(32)</td><td>(32)</td><td>(32)</td></th<>		(30)	(34)	(32)	(32)	(32)	(32)
Capital expenditures	Other operating activities, net	(13)	27	31	0	0	0
Investments in businesses, net of cash acquired Other investing activities, net 0 21 (11) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Net cash from operating activities	1,450	1,550	1,469	1,220	1,407	1,537
Net cash from investing activities, net 0 21 (11) 0 0 0 0 Net cash from investing activities (186) (206) (203) (197) (168) (179) (173) (163) (179) (173) (163) (179) (173) (163) (179) (173) (163) (179) (173) (163) (179) (173) (163) (179) (173) (163) (179) (173) (163) (179) (173) (179)	Capital expenditures	(133)	(172)	(145)	(197)	(168)	(178)
Net cash from investing activities 186 1201 1203 1207 168 178 1017 1018 1017 1018 1017 1018 1017 1018 1017 1018 1	Investments in businesses, net of cash acquired	(53)	(50)	(47)	0	0	0
Increase (decrease) in borrowings, net	Other investing activities, net	0	21	(11)	0	0	0
Net transfers to UTC	Net cash from investing activities	(186)	(201)	(203)	(197)	(168)	(178)
Dividends paid (197) (173) (163) (409) (479) (547) (541) (54	Increase (decrease) in borrowings, net	(1)	11	6	6,016	(250)	0
Equity issuance (repurchase) 0 0 0 0 (500) (1,000) Other financing activities, net 12 (23) (4) 0	Net transfers to UTC	(1,218)	(1,312)	(972)	(6,300)	0	0
Other financing activities, net 12 (23) (4) 0 0 0 Net cash from financing activities (1,404) (1,497) (1,133) (693) (1,229) (1,529) (1,529) (1,529) (1,529) (1,529) (1,529) (1,529) (1,529) (1,529) (1,529) (1,529) (1,630) (1,239) (1,630) (1,630) (1,731) (1,346) (1,446) (1,763) (1,761) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) (1,762) <td>Dividends paid</td> <td>(197)</td> <td>(173)</td> <td>(163)</td> <td>(409)</td> <td>(479)</td> <td>(547)</td>	Dividends paid	(197)	(173)	(163)	(409)	(479)	(547)
Net cash from financing activities (1,404 (1,497 (1,133) (693) (1,229) (1,547) Effect of foreign exchange rates on cash 98 (77 (20) 0 0 0 0 0 Net increase (decrease) in cash (42 (225) 113 330 11 (188) Cash and equivalents, beginning of year 1,613 1,571 1,346 1,459 1,776 1,774 1,573 Less: restricted cash 17 17 13 13 13 13 13 13	Equity issuance (repurchase)	0	0	0	0	(500)	(1,000)
Effect of foreign exchange rates on cash 98 (77) (20) 0 0 0 Net increase (decrease) in cash (42) (225) 113 330 11 (188) Cash and equivalents, beginning of year 1,613 1,571 1,346 1,459 1,776 1,774 1,573 Less: restricted cash 17 17 13 13 13 13 Cash and equivalents, end of year 1,554 1,329 1,446 1,763 1,761 1,550 Caps: restricted cash 1 1,554 1,329 1,446 1,763 1,761 1,550 Capact able: Fixed assets 8 721 735 722 720 Capact able: Fixed assets 8 721 735 722 720 Depreciation 177 190 180 184 181 180 % of fixed assets #BDIV/0! 28.0% 25.0% 25.0% 25.0% 25.0% 25.0% 25.	Other financing activities, net	12	(23)	(4)	0		
Net increase (decrease) in cash (42) (42) (225) 113 330 11 (188) Cash and equivalents, beginning of year 1,613 1,571 1,346 1,446 1,763 1,761 1,763 1,761 1,763 1,763 1,761 1,753 1,253 12 120 0 0 13 11,74 11,75 11,72 19 180	Net cash from financing activities	(1,404)	(1,497)	(1,133)	(693)	(1,229)	(1,547)
Cash and equivalents, beginning of year 1,613 1,571 1,346 1,446 1,763 1,761 Cash and equivalents, end of year 1,571 1,346 1,459 1,776 1,774 1,573 Less: restricted cash 17 17 17 13	Effect of foreign exchange rates on cash	98	(77)	(20)	0	0	0
Cash and equivalents, end of year 1,571 1,346 1,459 1,776 1,774 1,573 Less: restricted cash 17 17 13 13 13 13 Cash and equivalents, end of year 1,554 1,329 1,446 1,763 1,761 1,560 Capex table: Fixed assets, net 0 678 721 735 722 720 Depreciation 177 190 180 184 181 180 % of fixed assets #DIV/0! 28.0% 25.0%	•	(42)		113	330	11	(188)
Less: restricted cash 17 17 13 13 13 13 15 1560		•	1,571	-	1,446	1,763	•
Cash and equivalents, end of year 1,554 1,329 1,446 1,763 1,761 1,560 Capex table: Fixed assets, net 0 678 721 735 722 720 Depreciation 177 190 180 184 181 180 % of fixed assets "#DIV/0! 28.0% 25.0% 25.0% 25.0% 25.0% Capital expenditures 133 172 145 197 168 178 % of sales 1.1% 1.3% 1.1% 1.6% 1.3% 1.3% Debt table: Supplementable: Debt table: Supplementable: 27 34 </td <td>·</td> <td>-</td> <td>-</td> <td></td> <td></td> <td>-</td> <td>-</td>	·	-	-			-	-
Capex table: Fixed assets, net 0 678 721 735 722 720 Depreciation 177 190 180 184 181 180 % of fixed assets #DIV/O! 28.0% 25.0% <td></td> <td>17</td> <td></td> <td></td> <td>13</td> <td>13</td> <td></td>		17			13	13	
Fixed assets, net 0 678 721 735 722 720 Depreciation 177 190 180 184 181 180 % of fixed assets #DIV/O! 28.0% 25.0% 26.0% 26.0% 26.0% 26.0% 26.0% 26.0% 26.0% 26.0% 26.0% 26.0%	Cash and equivalents, end of year	1,554	1,329	1,446	1,763	1,761	1,560
Depreciation 177 190 180 184 181 180 % of fixed assets #DIV/0! 28.0% 25.0%	Capex table:						
% of fixed assets #BDIV/O! 28.0% 25.0% 26.0% 30.8 178 30.0%	Fixed assets, net	0	678	721	735	722	720
Capital expenditures 133 172 145 197 168 178 % of sales 1.1% 1.3% 1.1% 1.6% 1.3% 1.3% Debt table: Short-term debt 27 34	Depreciation		190	180	184	181	180
Debt table: Short-term debt	% of fixed assets	#DIV/0!	28.0%	25.0%	25.0%	25.0%	25.0%
Debt table: Short-term debt 27 34 34 34 34 34 34 34 3	Capital expenditures	133	172	145		168	178
Short-term debt 27 34 34 34 34 Debt issuance (paydown) 0 0 6,016 (250) 0 Long-term debt 0 0 6,016 5,766 5,766 Total debt 27 34 6,050 5,800 5,800 Interest expense (14) (14) 171 146 140 140 % interest rate -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: -51.9% -41.2% 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x	% of sales	1.1%	1.3%	1.1%	1.6%	1.3%	1.3%
Debt issuance (paydown) 0 6,016 (250) 0 Long-term debt 0 0 6,016 5,766 5,766 Total debt 27 34 6,050 5,800 5,800 Interest expense (14) (14) 171 146 140 140 % interest rate -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: -51.9% -41.2% 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2%	Debt table:						
Long-term debt 0 6,016 5,766 5,766 Total debt 27 34 6,050 5,800 5,800 Interest expense (14) (14) 171 146 140 140 % interest rate -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: -51.9% -41.2% 1,023 1,240 1,359 FCF 1,317 1,378 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2%<	Short-term debt		27	34		34	34
Total debt 27 34 6,050 5,800 5,800 Interest expense (14) (14) 171 146 140 140 % interest rate -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: FCF 1,317 1,378 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: 1 1 1 1 1 1 1 1 1 <td>Debt issuance (paydown)</td> <td></td> <td>0</td> <td>0</td> <td>6,016</td> <td>(250)</td> <td>0</td>	Debt issuance (paydown)		0	0	6,016	(250)	0
Interest expense (14) (14) (14) 171 146 140 140 % interest rate -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: FCF 1,317 1,378 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	Long-term debt		0	0	6,016	5,766	5,766
% interest rate -51.9% -41.2% 2.4% 2.4% 2.4% Supplemental Cash Flow: FCF 1,317 1,378 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	Total debt		27	34	6,050	5,800	5,800
Supplemental Cash Flow: FCF 1,317 1,378 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	Interest expense		(14)	(14)	171 146	140	140
FCF 1,317 1,378 1,324 1,023 1,240 1,359 % of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	% interest rate		-51.9%	-41.2%	2.4%	2.4%	2.4%
% of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	Supplemental Cash Flow:						
% of net income 162.8% 131.4% 118.6% 115.4% 119.4% 114.7% % of sales 10.7% 10.7% 10.1% 8.3% 9.6% 9.9% FCF per diluted share NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	• • • •	1,317	1,378	1,324	1,023	1,240	1,359
FCF per diluted share NA NA NA 2.34 2.84 3.19 Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	% of net income				115.4%		
Current price/FCF 21.1x 17.4x 15.5x Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA	% of sales	10.7%	10.7%	10.1%	8.3%	9.6%	9.9%
Working capital 6 (8) (32) 7 12 (33) % of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	FCF per diluted share	NA	NA	NA	2.34	2.84	3.19
% of sales 0.0% -0.1% -0.2% 0.1% 0.1% -0.2% Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	Current price/FCF				21.1x	17.4x	15.5x
Leverage: Total debt/EBITDA 3.2x 2.8x 2.5x	Working capital	6	(8)	(32)	7	12	(33)
Total debt/EBITDA 3.2x 2.8x 2.5x		0.0%	-0.1%	-0.2%	0.1%	0.1%	-0.2%
	Leverage:				_		
Net debt/EBITDA 2.3x 1.9x 1.8x	Total debt/EBITDA					2.8x	2.5x
	Net debt/EBITDA				2.3x	1.9x	1.8x