

Investment Analysis for Intelligent Investors

December 16, 2016

CIBT Education Group Inc. (TSX: MBA) – Solid progress; multiple projects on the go

Sector/Industry: Education Services www.cibt.net

Market Data (as of December 16, 2016)

C\$0.58
C\$1.00
BUY
3
C\$0.25 - C\$0.65
68.64 mm
C\$39.81 mm
N/A
N/A
1.65x
123.1%
17.2%

^{*}See back of report for rating and risk definitions



Highlights

- CIBT Education ("CIBT", "company") continues to make excellent progress on its student housing projects, which now includes three operating assets and several others in development stages.
- <u>CIBT</u> is one of the best performing stocks of our coverage universe, with shares up by 123% YoY.
- Vancouver's rental market continues to remain strong and tight. Also, rising rents are making Vancouver increasingly unaffordable, especially for younger and lower income households.
- On September 7, 2016, the company announced its plans to build a \$230 million Education Mega Center in Surrey, B.C.
- In November 2016, the company announced the acquisition of Burnaby Heights a residential and commercial building located in Burnaby, B.C., for \$17.75 million.
- In FY2016 (ended August 31, 2016), revenues increased by 12.2% YoY to \$36.11 million. Rental revenues were \$4.96 million, up from just \$0.65 million in the previous year.
- We are raising our fair value estimate from \$0.85 to \$1.00 per share.

Key Financial Data						
(in C\$); YE - Aug 31	2013	2014	2015	2016	2017 E	2018E
Revenues	30,747,561	30,916,154	32,178,951	36,114,144	42,478,316	46,647,423
EBITDA	(1,986,876)	(1,183,601)	691,627	(527,312)	5,067,770	7,359,533
EBITDA Margin	-6.5%	-3.8%	2.1%	-1.5%	11.9%	15.8%
Net Income	(1,585,090)	5,312,961	6,000,774	9,215,414	18,142,574	18,713,630
EPS (Basic)	(0.02)	0.08	0.09	0.13	0.27	0.27
Debt to Capital	20.9%	14.1%	44.0%	35.6%	50.5%	64.3%
ROE	-10.0%	27.8%	20.1%	17.5%	15.7%	13.3%

^{*}The net profit / loss figures include CIBT's share of the net profit / loss and non-controlling interests.

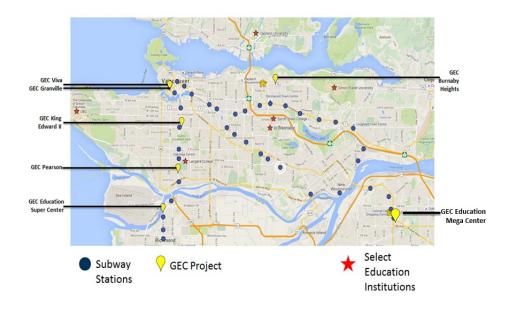


Update on the Student Housing Projects The table below shows a summary of the acquired projects and the projects under development, including management projections. The projects have over 400 beds currently in operation. Management expects to have approximately 875 beds by spring 2017, and has over 2,900 beds under development.

			Burnaby		West King	GEC Education	GEC Education	
	Viva	Granville	Heights	Pearson	Edward II	Super Center (Richmond)	Mega Center (Surrey)	Total
Projected Annual Rental Income (Management Est.)	\$3,500,000	\$4,200,000	\$1,300,000	\$4,400,000	\$2,500,000	\$16,100,000	\$18,800,000	\$50,800,000
CIBT Ownership	20.0%	20.0%	25.0%	38.5%	21.0%	26.8%	20.0%	
CIBT Management Fee	8%	8%	8%	8%	8%	8%	8%	
Purchase Price / Construction Costs	\$36,000,000	\$31,500,000	\$17,750,000	\$42,500,000	\$28,000,000	\$182,000,000	\$230,000,000	\$567,750,000
Beds	220	240	84	330	184	1000	1400	3,458
Status	Phase 1 complete / Phase II completion by Spring 2017	Operational	Operational	Under Construction (operational by Spring 2017)	Under Development (operational by July 2018)	In Planning Stages (expected completion in fall 2019)	In Planning Stages (expected completion in Spring 2022)	

^{*}GEC Education Super/Mega Center Ownership may change with project financing.

The map below shows the locations of the properties within Greater Vancouver.



Source: Company



Education Mega Center

The following section presents an overview / update of the assets:

MOU for a \$230M Education Mega Center

On September 7, 2016, CIBT announced the signing of a Memorandum of Understanding ("MOU") with the WestStone Group for an Education Mega Center in Surrey, B.C. WestStone is an experienced real estate developer focused on Western Canada. Management estimates the 50-storey high-rise tower (rendering shown below) will cost approximately \$230 million.



The proposed site is in downtown Surrey immediately between Simon Fraser University and the future location of Kwantlan Polytechnic University, and very close to the SkyTrain station and the bus loop.





The Education Mega Center will be the first of its kind in North America, aggregating a number of multidiscipline public and private schools at one location. The development is expected to provide housing for students, while accommodating campus space for public and private educational institutions and office space for professional firms supporting international education. The objective is to bring students, schools, and education service firms under one roof. Such an arrangement will eliminate the need for students to commute daily to school. Also, school tenants will be able to reduce operating costs by sharing the common areas such as the cafeteria, computer center, student lounges, auditoriums, and library, instead of having each school operating their own support facilities. The project has yet to receive city approval. However, in a interview on CTV, Surrey's Mayor strongly endorsed the project.

Education Super Center

Acquires land for GEC Education Super Center

In October 2016, the company announced the acquisition of five parcels of land, totaling approximately 80,000 sq. ft. in Metro Vancouver for \$17 million with an option to acquire a sixth adjacent parcel. Including the sixth parcel, this \$182 million project is estimated to have approximately 330,000 buildable sq. ft.

The project site is within a one minute walk from the nearest SkyTrain (subway) station. As with most of the other projects, CIBT will initially retain a 20% interest in the project.

The company has raised a total of \$16.85 million for direct investment into the above mentioned Mega Center and Super Center.



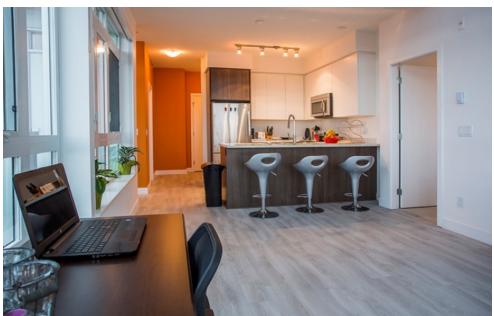
Burnaby Heights

Acquires a residential and commercial building located in Burnaby, B.C

In November 2016, the company announced the acquisition of a residential and commercial building located in Burnaby, B.C., for \$17.75 million, which they subsequently named as GEC Burnaby Heights. An independent appraisal on the property valued it at \$24.2 million. The four-storey building has 30 residential units and commercial space on the ground floor. A \$15.7 million mortgage is currently on the property. The company estimates rental income of \$1.3 million a year.

The project is in close proximity to Simon Fraser University, Capilano University, British Columbia Institute of Technology and Sprott Shaw College East Vancouver Campus.







Viva

Viva Suites Hotel (Downtown Vancouver) generated \$1.31 million in rental revenues in FY2016. The property was valued at \$49.90 million at the end of FY2016, after deducting renovation costs. This is up from \$38.10 million at the end of FY2015. The property was valued based on potential net operating income of \$2.2 million per year upon stabilization, reflecting a cap rate of 4.4%. Approximately 50% of the renovation has been completed, and 107 beds are currently available, and the remaining 113 to be added in the next 4 months. Management estimates rental revenues will be \$3.5 million in FY2017.

Granville

Granville – This project generated \$3.65 million in rental revenues in FY2016. Just like Viva, management is converting this hotel into student housing for approximately 240 beds. Management estimates rental revenues will be \$4.2 million in FY2017. The property has experienced a significant increase in valuation since its acquisition. Management estimates a Net Operating Income ("NOI") of \$2.0 million. A cap rate of 4.5% will result in a valuation of approximately \$44 million, higher than the purchase price of \$31 million.

Pearson

Pearson - This project site is 5 minutes walking distance from the nearest subway (SkyTrain) station at the corner of Marine S.W Drive and Cambie street. The project is expected to have housing capacity for 330 students. The expected development budget of the project is \$44 million. This project is currently under development and management expects it to be operational by May 2017.



Source: Company

West King Edward II West King Edward II - CIBT has a Purchase and Sale Agreement with a Vancouver developer to acquire three properties that are centrally located in Vancouver, approximately 300 feet from a Skytrain / Subway station located at the corner of West King Edward Ave and Cambie Street. The project is expected to be comprised of 46,000 gross buildable square feet. The total project cost is approximately \$28 million. Three independent investors have been brought in to fund this development.

Revenues up by 12.2% YOY

Review of FY2016 (ended August 31, 2016) Results

In FY2016, revenues increased by 12.2% YOY to \$36.11 million. Our forecast was \$38.90 million because of higher revenue estimates from development fees. The company had reported revenues from development fees of \$3.62 million in the first nine months of the year. However, in the YE audit, this figure was brought down to \$1.71 million for the full



year as \$1.5 million recognized in Q3 was reversed due to a delay in possession of a project. Management expects this amount to be recognized in Q1-2017.

The table below summarizes the company's key divisions and their revenues.

	2013A	2014A		2015A	2016A	YOY
SSC + Others						
Revenues	26,312,774	25,218,361		24,988,426	25,421,075	1.7%
Gross Margins	58.8%	61.1%		61.1%	57.40%	
CIBT						
Revenues	2,773,191	2,371,950		2,260,260	2,208,235	-2.3%
Gross Margins	49.4%	44.6%		43.7%	41.70%	
IRIX					0.000	
Revenues	993,927	860,989		1,082,119	775,266	-28.4%
Gross Margins	74.5%	79.7%		71.4%	79.2%	
Commissions + Referral Fees						
Revenues	667,669	843,022		619,077	1,036,372	67.4%
Gross Margins	71.1%	51.6%		59.6%	34%	
Global Education City						
Revenues (rental)			5	647,046	4,959,459	666.5%
Gross Margins				25.9%	22.5%	
Global Education City						
Development fees		1,621,832	5	2,582,023	1,713,737	-33.6%
Gross Margins		72%			60 66	
Overall Revenues	56,218,869	30,916,154		32,178,951	36,114,144	12.2%
Overall Gross Margins	52.6%	60.6%		62.6%	53.5%	

Sprott Shaw College ("SSC") and Vancouver International College ("VIC") - On July 8, 2016, the company acquired VIC for \$1.50 million. With a 16-year track record, VIC is an international college specializing in English language training, and enrolls approximately 1,300 students per year. Management's motive with this acquisition is to not only expand their education assets, but also expand the pipeline of international students to their student housing properties.

SSC and VIC's revenues were \$25.42 million in FY2016, and were slightly higher than our \$25.18 million forecast.

CIBT China – This division's revenues dropped YoY in Q4 after reporting YoY improvement in the previous three quarters. Overall, the division reported revenues of \$2.21 million (our forecast was \$2.51 million), down by 2.3% YoY. As mentioned in previous reports, CIBT has been phasing out its programs in China. Its renewed focus is on lower tuition-fee mass market programs, such as career training programs related to



business, hotel and tourism management, information technology, automotive training, English language training, etc.

Development Fees – We estimate the company will report revenues from development fees of \$5.14 million in FY2017 (20% of the equity portion of the \$182 million GEC Education Super Center in Richmond; assuming 90% debt to capital; plus \$1.5 million that was reversed in Q4-2016) and \$4.60 million in FY2018 (20% of the equity portion of the \$230 million GEC Education Mega Center in Surrey; assuming 90% debt to capital).

We had previously assigned development fees of \$8 million in FY2017. Therefore, we are revising our FY2017 estimate from \$43.58 million to \$42.48 million. We are introducing our FY2018 estimate in this report, which is \$46.65 million.

Gross margins dropped YoY from 63% to 54% primarily because of the decline in SSC's margins. The following table shows margins:

Margins				
	2013A	2014A	2015A	2016A
Gross	58.7%	60.6%	62.6%	53.5%
EBITDA	-6.5%	-3.8%	2.1%	-1.5%
EBIT	-10.2%	-7.4%	-0.9%	-3.9%
EBT	-10.2%	-7.0%	-1.8%	-5.8%
Net (normalized)	-6.2%	-5.4%	-4.8%	-9.9%

General and administrative ("G&A") expenses in FY2016 increased by 3% YOY to \$19.83 million.

EBITDA was -\$0.53 million in FY2016 versus \$0.69 million in FY2015. In FY2016, the company reported a \$9.78 million gain in valuation on the Viva project, and a \$3.83 million gain in sale of the Ascenda School of Management. The company reported net income of \$9.22 million (EPS: \$0.13) in FY2016, versus \$6.00 million (EPS: \$0.09) in FY2015. After deducting non-controlling interests, the company reported net income of \$3.91 million (EPS: \$0.06) in FY2016.

The following table shows our estimates of the expected increase in valuations of the three operating assets, Pearson and West Kind Edward II (which are expected to be completed in 2017 and 2018, respectively). We estimate a total valuation gain of \$49.57 million, of which, a total of \$17.39 million were reported in FY2015, and FY2016. We estimate the remaining gain to be reported over the next two years, or \$16.09 million per year.



	Viva	Granville	Burnaby Heights	Pearson	West King Edward II	Total
Status	Phase 1 complete / Phase II completion by Spring 2017	Operational	Operational	Under Construction (operational by Spring 2017)	Under Development (operational by July 2018)	
NOI Estimate	\$2,200,000	\$2,000,000	\$812,500	\$2,640,000	\$1,500,000	
Cap Rate (assumption)	4.4%	4.4%	4.5%	4.5%	4.5%	
Current Valuation (FRC est.)	\$49,900,000	\$45,363,636	\$18,055,556	\$58,666,667	\$33,333,333	
Gain	\$13,900,000	\$13,863,636	\$305,556	\$16,166,667	\$5,333,333	\$49,569,192

Cash Flows

We are raising our FY2017 EPS estimate from \$2.47 million / EPS: \$0.04 to \$18.14 million / EPS: \$0.27. We had not included any gain in valuation in FY2017, for conservatism, in our previous reports. Our FY2018 estimate is \$18.71 million / EPS: \$0.27.

Free cash flows ("FCF") were -\$7.82 million in FY2016, versus -\$30.30 million in the previous year.

Summary of Cash Flows					
(C\$, mm)	2012A	2013A	2014A	2015A	2016A
Operating	\$6.29	-\$1.80	-\$4.30	\$3.25	\$0.12
Investing	-\$3.54	-\$2.69	\$6.48	-\$33.58	-\$7.85
Financing	-\$1.24	\$0.63	-\$3.00	\$30.03	\$9.76
Effects of Exchange Rate	\$0.00	-\$0.55	-\$0.02	-\$0.11	\$0.03
Net	\$1.51	-\$4.41	-\$0.85	-\$0.42	\$2.05
Free Cash Flows to Firm (FCF)	\$2.76	-\$4.56	-\$0.68	-\$30.30	-\$7.82

Balance Sheet

At the end of FY2016, the company had \$4.49 million in cash. Working capital and the current ratio were -\$3.99 million and 0.8x, respectively.

Liquidity & Capital Structure (CS)	2014A	2015A	2016A
Cash	\$5,022,012	\$2,514,195	\$4,489,971
Working Capital	-\$3,780,054	-\$31,466,726	-\$3,994,904
Current Ratio	0.78	0.27	0.76
Debt/Capital	14.08%	43.97%	35.58%
EBIT Interest Coverage	(19.3)	(0.5)	(1.0)



Debt to capital decreased from 49% at the end of FY2015, to 36% by the end of FY2016, due to the increase in equity as a result of the higher property valuations.

Stock Options and Warrants

The company currently has 2.37 million options (weighted average exercise price -\$0.25), and 2.38 million warrants (weighted average exercise price -\$0.30) outstanding. All the options and warrants are currently in the money. The company can raise up to \$1.30 million if all these options and warrants are exercised.

Valuation and Rating

The following table shows our valuation of the company's student housing division, assuming a 20% average equity interest in the projects. For our analysis, we used the average valuation metrics of comparable companies with portfolios of student housing projects.

	Ticker	EV/Revenue	EV/EBITDA	P / B
CHC Student Housing	TSXV: CHC	12.30		1.30
American Campus Communities	NYSE: ACC	11.20	22.60	1.80
Education Realty Trust	NYSE: EDR	12.00	26.60	1.60
Average		11.83	24.60	1.57

	Projected Annual Revenues	Projected EBITDA	Projected Book Value
\$, millions	\$50.80	\$21.12	\$113.55
	(management est.)	(based on a peer average EBITDA margin of 42%)	20% of the est. budget of \$568M
Fair Value of 20% Equity (\$, millions)	\$29.39	\$13.08	\$35.58
Average (\$, millions)	\$26.01		

The following table shows a summary of our valuations on the Education Management and the Student Housing divisions.

Valuation	Fair Value	Fair Value per Share
Education Management		
* Discounted Cash Flow @ 10%	\$37,101,625	\$0.52
* EV/ Revenue @ 1.6x	\$47,741,306	\$0.67
Average	\$42,421,466	\$0.60
Student Housing (GEC)		
	\$26,014,573	\$0.37
Fair Value Estimate	\$68,436,039	\$0.96



Risks

Our valuation increased from \$0.83 per share to \$0.96 per share as we raised our fair value estimate on the Student Housing division. We reiterate our BUY rating and raise our fair value estimate from \$0.85 to \$1.00 per share (risk rating of 3 - average).

The following risks may cause our estimates to differ from actual results (not exhaustive):

- Competition in the private education business in Canada is high.
- Real estate development and financing risks associated with GEC.
- The company's profitability is highly dependent on the health of the student housing real estate market in the Greater Vancouver area.
- Although the company has been able to pursue cheap acquisitions in the past, there is no guarantee they will be able to continue to do so going forward.
- Exchange rate risks exist, but are not significant as revenues from China account for less than 10% of the total revenues.
- Although topline (revenue) growth has been significant, the company has yet to achieve a track record of profitability.



Appendix

CONSOLIDATED STATEMENTS OF OPERATIONS						
(in C\$)	2013A	2014A	2015A	2016A	2017F	2018F
REVENUES						
Educational	29,085,965	27,590,311	27,248,686	27,629,310	27,972,329	29,325,456
Rental			647,046	4,959,459	7,500,000	10,800,000
Commissions + Referral Fees	667,669	843,022	619,077	1,036,372	1,067,463	1,099,487
Design and advertising IRIX	993,927	860,989	1,082,119	775,266	798,524	822,480
Development fees		1,621,832	2,582,023	1,713,737	5,140,000	4,600,000
Total Revenues	30,747,561	30,916,154	32,178,951	36,114,144	42,478,316	46,647,423
DIRECT COSTS						
Educational	12,243,618	11,132,629	11,006,541	12 100 072	11 552 940	11,835,190
Commissions + Referral Fees	12,243,618			12,100,972 679,513	11,552,849	
	1,72,771	407,655	250,400	,	426,985	439,795
Rental Design and advertising IRIX	252 250	-	479,257	3,844,123	4,875,000	5,940,000
	253,278	174,759	309,689	161,204	199,631	205,620
Total Direct Costs	12,689,887	12,174,629	12,045,887	16,785,812	17,054,465	18,420,604
Gross Profit	18,057,674	18,741,525	20,133,064	19,328,332	25,423,851	28,226,818
EWDENICES						
EXPENSES			4.5.00			
Stock-based compensation	81,527	15,992	15,909	26,758	31,473	34,562
General and administrative	19,963,023	19,729,134	19,335,528	19,828,886	20,324,608	20,832,723
Website Development cost	-	-	-			
Business development costs		180,000	90,000			
Total Expenses	20,044,550	19,925,126	19,441,437	19,855,644	20,356,082	20,867,286
ЕВПЪА	(1,986,876)	(1,183,601)	691,627	(527,312)	5,067,770	7,359,533
Amortization	1,163,981	1,101,531	979,534	870,376	1,028,521	973,815
EBIT	(3,150,857)	(2,285,132)	(287,907)	(1,397,688)	4,039,248	6,385,718
Interest / Finance Cost	(106,839)	(118,438)	(556,106)	(1,394,171)	(1,984,110)	(3,102,975
Interest Income	38,743	135,445	38,972	645,861	(-,, - ,,)	(=,==,=,=
Foreign exchange (loss) gain	97,914	98,720	227,728	39,345		
Loss on disposal of property, plant and equipment	142	(52,007)	(65,332)	(8,363)	_	_
EBT	(3,120,897)	(2,221,412)	(642,645)	(2,115,016)	2,055,139	3,282,743
240 2	(0,120,057)	(=,==1,:1=)	(0.12,0.10)	(2,110,010)	2,000,100	0,202,710
Loss of investment in associates			(9,360)	(820,662)		
Gain on Change of Property Fair Value			, , , ,	, , , , ,	16 097 425	16 007 425
	210.540	7.020.205	7,615,175	9,779,146	16,087,435	16,087,435
Cain on sale of discontinued operations Net Profit (Loss) before tax	319,540 (2,801,357)	7,030,395 4,808,983	6,963,170	3,827,120 10,670,588	18,142,574	19,370,179
rection (Loss) brote tax	(2,001,337)	7,000,703	0,703,170	10,070,300	10,172,3/4	17,5/0,1/9
Taxes	(1,216,267)	(503,978)	962,396	1,455,174	-	656,549
Net Profit (Loss)	(1,585,090)	5,312,961	6,000,774	9,215,414	18,142,574	18,713,630
EPS	-0.02	0.08	0.09	0.13	0.27	0.2
Non-controlling interests	(244,957)	(153,471)	(4,960,754)	(5,309,450)	(14,033,195)	(14,680,909
					(- 1,000,100)	(- 1,000,707
Net Profit (Loss) to CIBT shareholders	-1,830,047	5,159,490	1,040,020	3,905,964	4,109,379	4,032,721



(in C\$)				
(iii C\$)	2015A	2016A	2017F	2018
ASSETS	2010/1	201011	20171	2010
CURRENT				
Cash and short-term investments	2,514,195	4,489,971	7,639,479	11,488,58
Accounts receivable	7,975,499	6,795,474	12,092,129	13,278,93
Prepaids and other	714,763	695,716	930,610	1,021,94
Inventory	441,150	363,293	363,293	363,293
Total Current Assets	11,645,607	12,344,454	21,025,511	26,152,757
Due from Related Parties	735,000	2,329,947	2,329,947	2,329,94
Property and Equipment	2,518,789	2,103,147	2,070,340	2,088,95
Intangible Assets	8,472,376	8,182,067	7,667,806	7,180,899
Goodwill	4,793,303	5,721,907	5,721,907	5,721,90
Future Income Tax	2,115,926	2,091,845	2,091,845	2,091,84
Deferred Cur. Dev. Costs & Other Assets	10,306	1,522,116	1,522,116	1,522,11
Investment property	38,100,000	49,900,000	141,377,435	390,064,87
Refundable deposits + Investment	11,615,440	18,151,058	18,151,058	18,151,05
Assets held for Sale/Cash held in trust	660,010		=	-
Total Assets	80,666,757	102,346,541	201,957,966	455,304,358
CURRENT				
Accounts payable and accrued liabilities	4,726,161	3,000,520	5,544,082	5,988,188
Deferred revenue	10,319,570	11,548,744	15,834,401	17,388,49
Lease obligation + provision	208,094	164,795	164,795	164,79
Income Tax Payable	176,259	114,836	114,836	114,83
Current portion of the long-term debt	23,675,080	493,638		-
Due to related parties	4,007,169	1,016,825	1,016,825	1,016,82
Total Current Liabilities	43,112,333	16,339,358	22,674,940	24,673,140
Lease Obligation	457,416	324,009	159,214	159,214
Long-term Debt	-	28,344,426	88,656,426	274,736,42
Future Income Tax Liabilities	972,246	2,399,401	2,399,401	2,399,40
SHAREHOLDERS EQUITY				
Share capital	49,115,490	49,024,991	49,024,991	49,024,99
Contributed surplus	5,884,084	5,669,832	5,701,305	5,735,86
Accumulated Comprehensive loss	381,698	237,890	237,890	237,89
Non-controlling interests	15,518,351	30,875,531	59,863,317	121,064,22
Deficit	(34,774,861)	(30,868,897)	(26,759,518)	(22,726,79
Total shareholders' equity (deficiency)	36,124,762	54,939,347	88,067,985	153,336,177



774 852 909 332 360 390) 175) 818 844 324 587	2016A 9,215,414 1,386,170 26,758 (3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927 115,127 (458,527) (925,265)	2017F 18,142,574 1,028,521 31,473 - (16,087,435) 3,115,133 1,297,670 4,412,804	2018F 18,713,630 973,815 34,562 - (16,087,435) 3,634,572 720,061 4,354,633
774 852 909 332 360 390) 175) 818 844 324 587	9,215,414 1,386,170 26,758 (3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927 115,127	18,142,574 1,028,521 31,473 - (16,087,435) 3,115,133 1,297,670 4,412,804	18,713,630 973,815 34,562 - (16,087,435) 3,634,572 720,061 4,354,633
852 909 332 360 390) 175) 818 844 324 587 911	1,386,170 26,758 (3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	1,028,521 31,473 - (16,087,435) 3,115,133 1,297,670	973,815 34,562 - (16,087,435) 3,634,572 720,061
852 909 332 360 390) 175) 818 844 324 587 911	1,386,170 26,758 (3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	1,028,521 31,473 - (16,087,435) 3,115,133 1,297,670	973,815 34,562 - (16,087,435) 3,634,572 720,061
909 332 360 390) 175) 818 844 324 587 D11	26,758 (3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	31,473 - (16,087,435) 3,115,133 1,297,670 4,412,804	34,562 - (16,087,435) 3,634,572 720,061
909 332 360 390) 175) 818 844 324 587 D11	26,758 (3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	31,473 - (16,087,435) 3,115,133 1,297,670 4,412,804	34,562 - (16,087,435) 3,634,572 720,061
332 360 390) 175) 818 844 324 587 911	(3,818,757) 883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	(16,087,435) 3,115,133 1,297,670 4,412,804	(16,087,435) 3,634,572 720,061 4,354,633
360 390) 175) 818 844 324 587 911	883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	3,115,133 1,297,670 4,412,804	3,634,572 720,061 4,354,633
390) 175) 818 844 324 587 911 625) 042)	883,279 (242,418) (9,779,146) 550,664 1,451,236 (326,800) 441,927	3,115,133 1,297,670 4,412,804	3,634,572 720,061 4,354,633
175) 818 844 324 587 911	(9,779,146) 550,664 1,451,236 (326,800) 441,927 115,127	3,115,133 1,297,670 4,412,804	3,634,572 720,061 4,354,633
818 844 324 587 911 625) 042)	550,664 1,451,236 (326,800) 441,927 115,127 (458,527)	3,115,133 1,297,670 4,412,804	3,634,572 720,061 4,354,633
844 324 587 911 625) 042)	1,451,236 (326,800) 441,927 115,127 (458,527)	1,297,670 4,412,804	720,061 4,354,633
587 D11 625) 042)	(326,800) 441,927 115,127 (458,527)	1,297,670 4,412,804	720,061 4,354,633
587 D11 625) 042)	(326,800) 441,927 115,127 (458,527)	1,297,670 4,412,804	720,061 4,354,633
625) 042)	115,127 (458,527)	4,412,804	4,354,633
625) 042)	115,127 (458,527)	4,412,804	4,354,633
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625) 042)	(458,527)		, ,
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042)		(481,453)	(505,526)
042)		(481,453)	(505,526)
	(925,265)		
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000)	(6,725,000)	(75.200.000)	(222 (00 000)
937)	(1,956,845)	(75,390,000)	(232,600,000)
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718) ((7,851,364)	(75,871,453)	(233,105,526)
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	2,054,939 2,286,631	3,149,508 4,489,971	3,849,107 7,639,479
3,: 5, 0,: 6,: 3,	6,412) 3,200 5,100) 0,000) 6,262 3,177 5,724	3,200 10,374,000 5,100) - 0,000) (14,585,142) 6,262 19,914,554 (1,897,308) 3,177 (706,786) 5,724 9,763,978	3,200 10,374,000 14,954,591 5,100) 0,000) (14,585,142) 6,262 19,914,554 59,818,362 (1,897,308) 3,177 (706,786) - 5,724 9,763,978 74,608,158



Fundamental Research Corp. Equity Rating Scale:

Buy – Annual expected rate of return exceeds 12% or the expected return is commensurate with risk

Hold – Annual expected rate of return is between 5% and 12%

Sell - Annual expected rate of return is below 5% or the expected return is not commensurate with risk

Suspended or Rating N/A— Coverage and ratings suspended until more information can be obtained from the company regarding recent events.

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- 2 (Below Average Risk) The company operates in an industry where the fundamentals and outlook are positive. The industry and company are relatively less sensitive to systematic risk than companies with a Risk Rating of 3. The company has a history of profitability and has demonstrated its ability to generate positive free cash flows (though current free cash flow may be negative due to capital investment). The company's capital structure is conservative with little to modest use of debt.
- 3 (Average Risk) The company operates in an industry that has average sensitivity to systematic risk. The industry may be cyclical. Profits and cash flow are sensitive to economic factors although the company has demonstrated its ability to generate positive earnings and cash flow. Debt use is in line with industry averages, and coverage ratios are sufficient.
- 4 (Speculative) The company has little or no history of generating earnings or cash flow. Debt use is higher. These companies may be in start-up mode or in a turnaround situation. These companies should be considered speculative.
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