

December 11, 2018

Take-Two Interactive: (TTWO)

Analyst: Eric Munn



**Sector: Communitation Services** 

Industry: Entertainment Current Price: \$105.75 Target Price: \$142.17

**Description:** Take-Two Interactive develops and publishes products principally through its two whollyowned labels, such as Rockstar Games and 2K, as well as the company's new Private Division label and Social Point, a primary developer of mobile games.

#### **BUY**

Current Price: \$105.75
Target Price: \$142.17
Market Cap: \$11.6B
ROC/WACC: 1.61
WACC: 10.5%
No Debt
Default Rating: bb+
SI Ratio: 1.39



**Thesis:** TTWO is a victim of the recent market sell off. The gaming industry is in a major growth stage that will only expand TTWO's users. The company is poised to benefit greatly from current and reacurring sales on Red Dead Redemption 2. IT also has entered the eSports industry, which will spearhead further integration as the industry grows.

**Catalysts:** Forward looking projections that call for positive/negative outlook that will strengthen your thesis. Example:

- Short Term(within the year): Red Dead Redemption Two Sales
- Long Term(3+): **eSports Industry**

## Video Game Industry Outlook:

The gaming industry has continued to grow. According to NEWzoo's Global Games report, gamers will likely spend around \$138 Billion this year. This is a 13.3 YoY increase. More than half of teenagers play video games and for several hours each day. Gaming will continue to gain entertainment market share, because it is cheaper





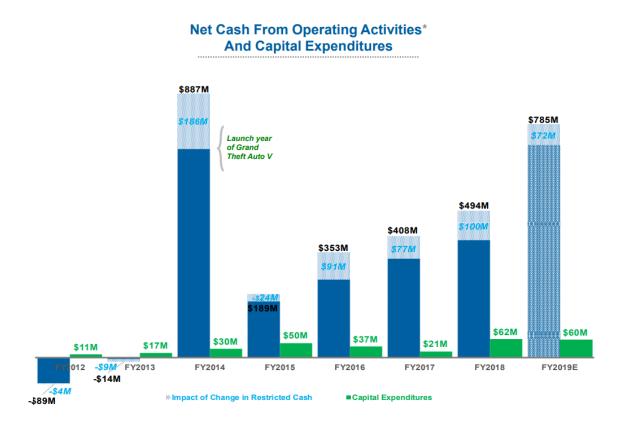
to consume than cable television or going to the movies. Videogame content sales were up 25% to \$7.9B, NPD Group says, with broad gains led by mobile games and digital content for consoles/portables. Hardware sales were up 11% for the quarter, to \$737M, while accessory sales rose 44% with all-time quarterly records in headsets as well as in game cards. The model for gaming has completely changed, and TTWO is a perfect example. The initial purchase is just the beginning of the spending.

The table below depicts TTWO's growth in digital purchases and recurrent revenue. This digital growth is helping margins, as marginal costs become lower as production of disks slows.

FY2012	FY2013 FY2014		FY2015 FY2016		FY2107	FY2018	FY2019E			
Digital % of Total	■ Recurrent C	onsumer Spending	■ Digi	tally-Delivered	■ Total Net	CAGR				
13%	22%	18%	37%	53%	57%	68%	52%			
Recurrent Consumer Spending % of Total <sup>3</sup>										
4%	7%	9%	18%	26%	33%	48%	76%			

## **Earnings Performance:**

TTWO's business model is conducive to large relsease on their flagship franchises that occur irregularly. However, franchises like their largest producer, Grand Theft Auto 5, bring in continuous revenue, by releasing additional content. In the chart below, FY14 shows the release of GTA 5. The earnings of this company are







staggered as major releases occur. Investors did not expect to see the same amount of success from Red Dead Redemption 2, but the initial results are promising.

1	Key Stats 2) I/S	3) B/S	4) C/F	5) Ratios	6) Seg	ments	7) Addl	8) ESG	9) Custom			
1	1) Adj Highlights 12)	GAAP High	lights 13)	Earnings	14) Enterp	rise Value	15) Multi	iples 16)	Per Share	17) Stock	Value	
In	Millions of USD	2011 Y	2012 Y	2013 Y	2014 Y	2015 Y	2016 Y	2017 Y	2018 Y	Current/LTM	2019 Y Est	2020 Y Est
12	Months Ending	03/31/2011	03/31/2012	03/31/2013	03/31/2014	03/31/2015	03/31/2016	03/31/2017	03/31/2018	09/30/2018	03/31/2019	03/31/2020
ш	Market Capitalization	1,323.2	1,388.0	1,513.9	1,950.0	2,249.1	3,261.2	6,082.3	11,150.6	11,983.9		
lal.	- Cash & Equivalents	280.4	420.3	402.5	935.4	1,098.0	1,269.6	1,392.3	1,424.4	1,025.3		
	+ Preferred & Other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
ш	+ Total Debt	107.2	316.3	335.2	454.0	473.0	497.9	251.9	8.1	0.0		
ш	Enterprise Value	1,150.1	1,284.0	1,446.6	1,468.6	1,624.1	2,489.6	4,941.9	9,734.3	10,958.6		
ш	Revenue, Adj	1,136.9	825.8	1,214.5	2,350.6	1,082.9	1,413.7		1,792.9	1,811.8		2,847.3
ш		-1.9	-27.4	47.1	93.5	-53.9	30.5	25.9	0.7		66.1	-4.4
ш	Gross Profit, Adj	447.5	297.0	498.6	936.2	288.1	599.8		894.6	988.3	1,556.0	1,581.5
<u>la1</u>		39.4	36.0	41.1	39.8	26.6	42.4		49.9			55.5
141	EBITDA, Adj	242.5	78.6	254.5	702.2	-103.4	227.3	372.7	286.8	320.5	767.6	822.3
ш		21.3	9.5	21.0	29.9	-9.5	16.1	20.9	16.0		25.8	28.9
ш	Net Income, Adj	53.3	-107.9	-30.3	366.5	-287.6	64.2	79.5	186.1	225.9	580.9	604.8
ш		4.7	-13.1	-2.5	15.6	-26.6	4.5	4.5	10.4		19.5	21.2
Ш	EPS, Adj	0.65	-1.30	-0.35	3.24	-3.58	0.77	0.86	1.65	1.93	5.00	5.18
ш		8.4	-	72.8	-	-		12.2	91.6		202.1	3.6
111	Cash from Operations	134.8	-85.0	-4.6	700.3	212.8	261.3		393.9	186.8		
al	Capital Expenditures	-9.7	-10.8	-16.8	-29.8	-49.5	-37.3	-21.2	-61.6	-58.0	-57.5	-59.6
<u>l</u>	Free Cash Flow	125.1	-95.8	-21.4	670.4	163.3	224.0	310.3	332.4	128.9	694.0	577.6

The cyclilaty of the revenue streams from gaming releases is apparent in the YoY revenue growth. However, TTWO has managed to leverage the increase in reccurent revenue from at a essentially zero marginal cost to increase net income margins and generate free cash flow.

## **Red Dead Redemption 2:**

The release of RDR2 occurred on October 13, 2018, with critical acclaim. There are not games out that match the type of game play available in Rockstar's Red Dead Redemption series. There is not completion in the nitch. Red Dead Redemption 2 sold about 70 percent as well as GTA 5 did over it's first three days with 725 million worth of copies sold. This matched expectations. RDR2 out sold Red Dead Redemption 1's lifetime sales in 12 days.

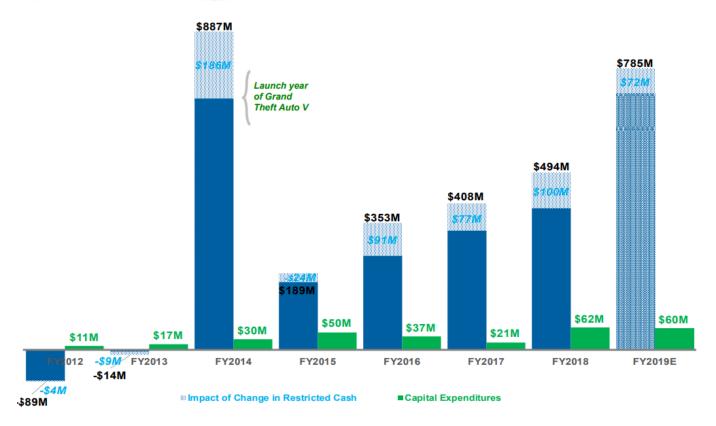
The online portion of GTA 5 has been a cash cow. The total sales have been estimated at around 6 billion, a large part being recurrent purchases online, which make it the most successful entertainment product of all time.

TTWo is aiming to develop the current beta version of the online feature into something close to as lucrative as GTA online. The company took 18 months to really get the online feature right on GTA. Their have been issues with the mechanics and already an announced fix of the in game rewards.

Investors are waiting to see how well TTWO can monetize RDR2 and this is a reason to buy in now.







### **RDR2 PC Release:**

Currently, RDR2 is only available on the XBOX One and PS4 Investors are speculating about the PC version of Red Dead Redemption 2. If it follows the same pattern as Grand Theft Auto 5, it could be released released in March of 2019, which is better than the current estimates, some of which do not even believe it will be released. This revenue boost may not be priced in.

# eSports 2K League:

There is significant excitement around the growth of eSports. TTWO has joined the scene with the first major sport affiliation. Their franchie, NBA 2k, the leader in basketball simulation, has a joint venture with the National Basketball Association. It started in May 2018. 76,000 people participated in qualifying rounds. 17 NBA teams drafted 5 person teams to compete in a 15-week season. The league has partnerships with Dell, Intel, and Twitch. The purpose of this league is to enhance the engagement of fans, which will build up NBA 2k users, and in turn, revenue.

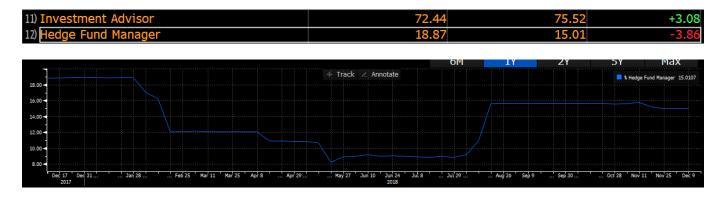


# Ownership:



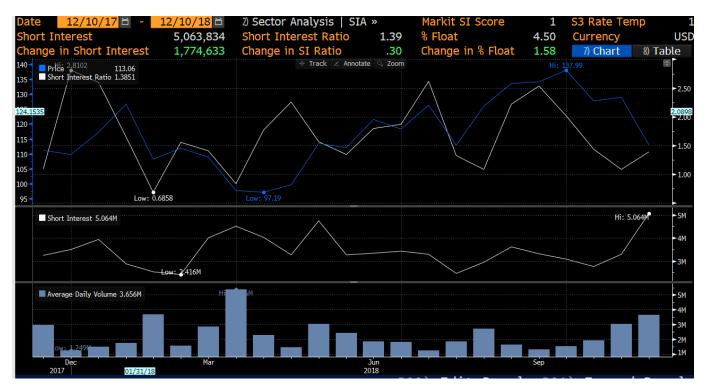


Hedgefunds entered new positions during a significant drop around July 29th. As unforeseen macro conditions have dropped the price, the have remained relatively constant in their postions.



#### **Short Interest:**

Short interest ratio is at a low postion of 1.39. Short postions took their profits as the price dropped starting in October. Investors have now added to their postions once again, but at such a low overall % of the float, a small portion believes the price will significantly drop again.



### **Conclusion:**

Take-Two Interactive is part of an industry where we are seeing massive growth potential in the long term. As technology advances, TTWO is keeping up with





ground breaking games. The company's Red Dead Redemption 2 release was a success, and will follow the same pattern as the biggest success in entertainment, GTA 5. The intergration of PC and the monetization of the online features will lead to runaway success in revenues. The 2K/NBA partnership has fostered fan engagement and is a marker for furthing eSports expanision that is looking to become a staple in society in the future.

Target Price: \$142.93

