

November 29, 2017 Page 1 of 11

Company Note	2
Investment Thesis	5
Company Overview	5
Financial Data	6
Financial Analysis	7
Ratings History	8
Tigress Research Methodology Overview	8
Glossary of Key Terms and Measures	8
Contacts	9
Analyst Certification	9
Research Disclosures	9
Tigress Research Investment Rating Meanings and Distribution	9
Specific Disclosures for the companies that are the subject of this Report	10
Research Report Disclaimer	11
About Tigress Financial Partners LLC	11

Research (646) 780-8880 research@tigressfp.com

Trading (646) 780-8890 trading@tigressfp.com

## **Tigress Financial Partners LLC**

Member of FINRA / MSRB / SIPC 40 Wall Street New York, NY 10005 (212) 430-8700 www.tigressfinancialpartners.com

## McDonald's Corporation (MCD-US)

Hotels Restaurants & Leisure

- We reiterate our Neutral rating on MCD as Business Performance continues to trend negative and valuation remains high.
- Business Performance continues to decline due to competition along with global economic and currency headwinds.
- MCD attempts to drive traffic growth through the ongoing introduction of new digital and service initiatives.
- MCD uses its value-based pricing menu to further drive traffic by rotating limited-time value product offerings.
- MCD's ongoing re-franchising process will continue to pressure revenue near-term but should have a longerterm positive effect on capital returns.
- Intense competition in the US along with global macroeconomic and currency headwinds continue to create a difficult environment for growth.
- MCD consistently returns cash to shareholders through ongoing dividend increases and share repurchases.

Tigress Financial Partners seeks to do business with the companies that are the subject of these reports. Please refer to the last three pages of this report for important certification, disclosure and disclaimer Information. © 2017 Tigress Financial Partners LLC. No part of this report may be reproduced or redistributed in any form.



November 29, 2017 Page 2 of 11

### **Company Note**

## McDonald's Corporation (MCD-US)

**Hotels Restaurants & Leisure** 

Ivan Feinseth **Director of Research** (646) 780-8901 Direct ifeinseth@tigressfp.com

Research Action:

Reiterate rating

Neutral Rating: **Prior Rating:** Neutral Price 11/28/2017: \$171.34 \$171.38 52 Week High / \$117.71 Low:

Key Data: (TTM as of Sep-17) **Excess Cash per Share:** \$1.86 **Annual Dividend:** \$4.04 **Dividend Yield:** 2.36% Avg. Volume (30 Day): 2.5M **Shares Outstanding:** 797.2M Float: 796.8M **Equity MV:** \$136,589.8M Sales TTM: \$23,509.1M Beta: 0.58 **EBITDAR:** \$12,287.9M NOPAT: \$6,126.4M **Total Invested Capital:** \$58,255.8M Return on Capital: 12.90% **Cost of Capital:** 4.42% **Economic Profit:** \$4,027.3M Market Value Added: \$133,319.5M **Current Operations Value:** \$138,571.5M **Future Growth Value:** \$53,003.9M

- We reiterate our Neutral rating on MCD as Business Performance continues to trend negative and valuation remains high. MCD continues to improve operating efficiencies and enhance customer experience through the ongoing introduction of new digital and service initiatives. MCD is also trying to reduce capital requirements and increase Return on Capital through the ongoing re-franchising of its restaurants. MCD's re-franchising process is causing a negative trend in revenue in the near-term but should have a positive trend on Return on Capital longer-term. The trend in higher wages will also have a mixed effect as labor costs rise, margins will continue to come under pressure. However, MCD can also benefit from greater disposable income. MCD remains one of the best run companies in the world and trades at a premium valuation. While MCD has outperformed its peer group and the overall market, the current high valuation and slowing Business Performance drives our neutral rating.
- Business Performance continues to decline due to competition along with global economic and currency headwinds. For the past 12 months ending September 2017, revenue declined 5.7% Y/Y from \$24.9 billion to \$23.5 billion. We are estimating a further decline of 12.3% to \$20.6 billion over the NTM. Economic Operating Cash Flow (EBITDAR) increased 7.8% from \$11.4 billion to \$12.3 billion over the LTM. We are estimating a decline of 20.7% to \$9.8 billion over the NTM. Net Operating Profit After Tax (NOPAT) increased 11.6% from \$5.5 billion to \$6.1 billion over the LTM. We estimate a decline of 23% to \$4.7 billion over the NTM. Return on Capital (ROC) declined from 13.6% to 12.9% over the LTM. We are forecasting a further decline to 11.7% over the NTM. Economic Profit increased 5.1% from \$3.8 billion to \$4.0 billion over the LTM. We are forecasting a decline of 9.6% to \$3.6 billion over the NTM. MCD's ongoing re-franchising efforts should have a positive effect on Return on Capital over the long-term. The near-term negative trend will eventually be a headwind to further share price gains.



November 29, 2017 Page 3 of 11

**McDonald's Corporation (MCD-US)** 

**Hotels Restaurants & Leisure** 

- MCD attempts to drive traffic growth through the ongoing introduction of new digital and service initiatives. MCD is rolling out its mobile-order-and-pay applications along with the introduction of curbside and delivery services. Nearly all MCD's U.S. restaurants are using digital menu boards both inside and at drive-throughs to more efficiently adjust menu items and pricing changes. MCD continues to install ordering kiosks and table location technology for direct to customer table delivery. MCD is accelerating the rollout of its Experience of the Future (EOTF) restaurants that incorporate the latest food ordering and customer service technologies to further drive traffic and enhance the dining experience. Currently, 13% of all MCD's restaurants feature some level of the EOTF services with the goal of converting all its traditional restaurants by the end of 2020. MCD has also partnered with UberEATS to offer delivery service currently available in over 3,700 restaurants and is on track to reach 5,000 restaurants by year-end. MCD is also rolling out its mobile order-andpay capability to over 6,000 of its international restaurants in Australia, Canada, China, France, Germany, and the United Kingdom which should be completed by year-end.
- MCD uses its value-based pricing menu to further drive traffic by rotating limited-time value product offerings. MCD's All Day Breakfast introduced in late 2015 was probably the most successful product offering campaign in its history. Unfortunately, the effect of All Day Breakfast has started to slow. MCD will continue to offer new limited time value-priced items in its ongoing attempt to increase customer traffic. Unique promotions like the one-day availability of its Szechuan sauce last month created a frenzy of traffic as Szechuan sauce fans traveled all over to get some of the limited-edition sauce.
- MCD's ongoing re-franchising process will continue to pressure revenue near-term but should have a longer-term positive effect on capital returns. Currently, 91% of all MCD restaurants are franchised with the goal long-term goal of bringing that to 95%. MCD recently refranchised 4,000 of its restaurants with the sale of its China and Hong Kong restaurants. Re-franchising has weighed on near-term revenues as company-operated restaurant sales are replaced by franchise licensing revenue over the long-term. This will free up capital for further investment in new growth and digital initiatives as well as increasing dividend payouts and share buybacks.



November 29, 2017 Page 4 of 11

**McDonald's Corporation (MCD-US)** 

**Hotels Restaurants & Leisure** 

- Intense competition in the US along with global macroeconomic and currency headwinds continue to create a difficult environment for growth. While MCD is one of the world's most well-run companies, it still faces margin pressures from minimum wage increases and rising healthcare costs along with various increases in commodity costs. 40% of all MCD are outside the U.S. and are subject to negative currency translation. Increasing competition from all other quick service and casual dining restaurants along with the ongoing emergence of the better burger category continue to weigh on growth. One of the other biggest problems MCD faces is rising health concerns and the increased awareness of obesity, especially in the U.S. which is its largest market. MCD has been trying to improve the perceived healthfulness of its products by discontinuing the use of chickens raised with antibiotics and the removal of artificial ingredients for many of its products. MCD is also set to roll out the use of fresh beef over frozen in the McDonald's Quarter Pounder by mid-2018. MCD is also shifting to the use of cage-free eggs over the next 10 years. MCD has been forced to make these choices to both respond customer preference and competitive offerings.
- MCD consistently returns cash to shareholders through ongoing dividend increases and share repurchases. MCD has increased its dividend an average of 5% almost every year since it began its dividend payout policy in 1976. In 2014, MCD announced an open market purchase for \$10 billion worth of stock. In January 2016, MCD announced an additional open market purchase for \$15 billion worth of stock.



November 29, 2017 Page 5 of 11

**McDonald's Corporation (MCD-US)** 

**Hotels Restaurants & Leisure** 

#### **Investment Thesis**

Our neutral rating is based on McDonald's difficulty in growing revenue and Return on Capital due to increasing global competition and rising staffing costs. Year-over-year revenue continues to decline along with Return on Capital and Economic Profit. McDonald's currently trades at a premium valuation to our intrinsic value calculation. Even its successful All Day Breakfast campaign has lost some recent momentum.

### **Company Overview**

McDonald's Corp. (MCD-US) is one of the world's largest operator and franchisor of quick service restaurants (QSR) with over 37,000 restaurants in 120 countries and has one of the world's best-known restaurant brands.

McDonald's operates under four geographic segments including the United States (33.5% of total revenue) its largest region. International Lead Markets (29.3% of total revenue) which includes Australia, Canada, France, Germany and the United Kingdom. High-Growth Markets (25.0% of total revenue) which are markets with a high restaurant expansion rate and franchising potential that include China, Italy, Poland, Russia, South Korea, Spain, Switzerland and the Netherlands. Foundational Markets (12.1% of total revenue) which includes all other markets in McDonald's system.

McDonald's dominates the quick service restaurant industry through its longtime focus on food quality and consistency and extensive marketing campaigns. McDonald's continues to shift its ownership structure toward increasing franchises and reducing capital needs. McDonald's plans to re-franchise many of is restaurants with a longer-term goal of a 95% franchised business model. McDonald's also continues to focus on increasing its digital capabilities to streamline operations and further improve customer experience and profitability.



November 29, 2017 Page 6 of 11

## **McDonald's Corporation (MCD-US)**

### **Hotels Restaurants & Leisure**

### **Financial Data**

Report Basis Reported Period Ending	LTM 09/30/2012	LTM 09/30/2013	LTM 09/30/2014	LTM 09/30/2015	LTM 09/30/2016	LTM 09/30/2017	NTM 09/30/2018	5 Yr Average	3 Yr Average	Current Trend
Net Sales Revenue	\$27,437.6	\$27,964.6	\$27,962.3	\$25,643.9	\$24,934.3	\$23,509.1	\$20,630.4	\$26,002.8	\$24,695.8	\$22,069.7
Sales Growth	3.94%	1.92%	-0.01%	-8.29%	-2.77%	-5.72%	-12.25%	-2.97%	-5.59%	-8.98%
Sales Growth Trend	6.67%	2.73%	0.76%	-4.98%	-4.98%	-4.54%	-9.63%	-2.20%	-4.83%	-7.08%
Operating Cash Flow (EBITDAR)	\$11,811.0	\$12,212.6	\$12,178.9	\$11,231.9	\$11,401.2	\$12,287.9	\$9,750.8	\$11,862.5	\$11,640.3	\$11,019.3
EBITDAR Margin	43.05%	43.67%	43.55%	43.80%	45.73%	52.27%	47.26%	45.80%	47.26%	49.77%
EBITDAR Growth	4.56%	3.40%	-0.28%	-7.78%	1.51%	7.78%	-20.65%	0.93%	0.50%	-6.43%
Net Operating Profit Before Tax (NOPBT)	\$8,628.3	\$8,873.1	\$8,640.7	\$7,726.1	\$8,034.9	\$9,074.2	\$6,942.2	\$8,469.8	\$8,278.4	\$8,008.2
NOPBT Margin	31.45%	31.73%	30.90%	30.13%	32.22%	38.60%	33.65%	32.72%	33.65%	36.12%
NOPBT Growth	3.48%	2.84%	-2.62%	-10.58%	4.00%	12.93%	-23.49%	1.31%	2.12%	-5.28%
Cash Operating Income Tax	\$2,751.5	\$2,842.4	\$2,851.4	\$2,423.5	\$2,547.0	\$2,947.7	\$2,211.1	\$2,722.4	\$2,639.4	\$2,579.4
Economic Tax Effective Rate	31.89%	32.03%	33.00%	31.37%	31.70%	32.48%	31.85%	32.12%	31.85%	32.17%
Net Operating Profit After Tax (NOPAT)	\$5,876.9	\$6,030.7	\$5,789.3	\$5,302.6	\$5,487.9	\$6,126.4	\$4,731.1	\$5,747.4	\$5,639.0	\$5,428.8
NOPAT Margin	21.42%	21.57%	20.70%	20.68%	22.01%	26.06%	22.93%	22.20%	22.92%	24.50%
NOPAT Growth	1.90%	2.62%	-4.00%	-8.41%	3.50%	11.63%	-22.78%	1.07%	2.24%	-5.57%
Cash & Equivalents	\$2,178.5	\$2,544.3	\$3,233.3	\$2,452.5	\$2,266.7	\$2,671.2	\$2,413.9	\$2,633.6	\$2,463.5	\$2,542.5
Total Assets	\$33,824.5	\$35,551.3	\$36,020.8	\$32,959.5	\$32,486.9	\$32,559.6	\$29,423.0	\$33,915.6	\$32,668.7	\$30,991.3
Non - Interest Bearing Liabilities (NIBLs)	\$4,527.0	\$4,811.4	\$5,236.4	\$5,211.0	\$5,599.7	\$5,498.2	\$4,968.5	\$5,271.3	\$5,436.3	\$5,233.4
Net Assets	\$29,297.5	\$30,739.9	\$30,784.4	\$27,748.5	\$26,887.2	\$27,061.4	\$24,454.5	\$28,644.3	\$27,232.4	\$25,757.9
Economic Asset Adjustments	\$11,226.5	\$11,852.9	\$14,167.0	\$15,757.8	\$14,239.2	\$31,194.4	\$28,189.4	\$17,442.3	\$20,397.2	\$29,691.9
Net Operating Assets	\$40,524.0	\$42,592.8	\$44,951.4	\$43,506.3	\$41,126.4	\$58,255.8	\$52,643.8	\$46,086.6	\$47,629.5	\$55,449.8
Debt & Debt Equivalents	\$23,620.1	\$24.337.0	\$27,177.7	\$29.509.8	\$36,244.8	\$55,974.0	\$50,581.9	\$34.648.7	\$40.576.2	\$53,278,0
Equity & Equivalents	\$13,884.1	\$15,164.9	\$13,625.9	\$8,309.8	(\$1,624.1)	(\$3,477.6)	(\$3,142.6)	\$6,399.8	\$1,069.4	(\$3,310.1)
Total Capital - Financing Sources	\$37,504.2	\$39,501.9	\$40,803.6	\$37,819.6	\$34,620.7	\$52,496.4	\$47,439.3	\$41,048.5	\$41,645.6	\$49,967.9
Capital Adjustments	\$870.5	\$1,003.7	\$2,119.5	\$4,238.5	\$4,001.4	\$3,838.8	\$3,469.0	\$3,040.4	\$4,026.2	\$3,653.9
Net Capital Financing Sources	\$38,374.7	\$40,505.6	\$42,923.1	\$42,058.1	\$38,622.1	\$56,335.2	\$50,908.3	\$44,088.8	\$45,671.8	\$53,621.8
Net Working Capital	\$1,911.4	\$1,852.9	\$1,837.2	\$1,814.0	\$1,309.7	\$1,690.8	\$1,527.9	\$1,700.9	\$1,604.8	\$1,609.3
Cost of Net Working Capital	\$76.1	\$96.3	\$84.8	\$83.6	\$64.1	\$66.3	\$59.9	\$79.0	\$71.4	\$63.1
% of Revenue	0.28%	0.34%	0.30%	0.33%	0.26%	0.28%	0.29%	0.30%	0.29%	0.29%
Operational Capital	\$36,019.0	\$37,783.7	\$38,870.0	\$36,572.7	\$34,533.2	\$51,025.0	\$46,109.6	\$39,756.9	\$40,710.3	\$48,567.3
Cost of Operational Capital	\$1,404.6	\$1,887.7	\$1,761.6	\$1,727.4	\$1,459.6	\$1,891.3	\$1,709.1	\$1,7 <b>4</b> 5.5	\$1,692.8	\$1,800.2
% of Revenue	5.12%	6.75%	6.30%	6.74%	5.85%	8.05%	8.28%	6.74%	6.88%	8.16%
Productive Capital	\$38,763.2	\$40,637.5	\$41,681.2	\$39,154.3	\$37,037.9	\$53,398.3	\$48,254.2	\$42,381.8	\$43,196.8	\$50,826.3
Cost of Productive Capital	\$1,512.5	\$2,030.9	\$1,891.8	\$1,850.9	\$1,564.0	\$1,999.2	\$1,806.6	\$1,867.3	\$1,804.7	\$1,902.9
% of Revenue	5.51%	7.26%	6.77%	7.22%	6.27%	8.50%	8.76%	7.20%	7.33%	8.63%
Total Operating Capital	\$39,717.3	\$41,446.8	\$43,116.2	\$42,336.0	\$40,106.4	\$56,760.1	\$51,292.2	\$44,753.1	\$46,400.8	\$54,026.1
Cost of Total Operating Capital	\$1,547.9	\$2,076.0	\$1,943.3	\$1,956.6	\$1,692.4	\$2,141.3	\$1,935.0	\$1,961.9	\$1,930.1	\$2,038.2
% of Revenue Non - Operating Capital	5.64% \$806.6	7. <i>4</i> 2% \$1,146.1	6.95% \$1,835.2	7.63% \$1,170.3	6.79% \$1,020.0	9.11%	9.38% \$1,351.7	7.58% \$1,333.5	7.84% \$1,228.7	9.24% \$1,423.7
Cost of Non - Operating Capital	\$37.6	\$1,140.1	\$68.5	\$1,170.3	\$1,020.0	\$1,495.7 \$55.6	\$50.3	\$1,333.5 \$57.6	\$56.5	\$1, <b>423.</b> 7 \$52.9
% of Revenue	0.14%	0.18%	0.25%	0.27%	0.18%	0.24%	0.24%	0.22%	0.23%	0.24%
Total Capital	\$40,524.0	\$42,592.8	\$44,951.4	\$43,506.3	\$41,126.4	\$58,255.8	\$52,643.8	\$46,086.6	\$47,629.5	\$55,449.8
Cost of Total Capital	\$1,585.5	\$2,125.9	\$2,011.9	\$2,025.4	\$1,737.3	\$2,196.9	\$1,985.3	\$2,019.5	\$1,986.5	\$2,091.1
% of Revenue	5.78%	7.60%	7.19%	7.90%	6.97%	9.34%	9.62%	7.80%	8.07%	9.48%
Cost of Capital (WACC)	4.01%	5.12%	4.60%	4.58%	4.11%	4.42%	4.42%	4.56%	4.37%	4.42%
Capital Structure										
Debt & Debt Equivalents	\$23,620.1	\$24,337.0	\$27,177.7	\$29,509.8	\$36,244.8	\$55,974.0	\$50,581.9	\$34,648.7	\$40,576.2	\$53,278.0
Debt & Debt Equivalents % of Market Value	20.34%	20.19%	22.60%	24.60%	27.45%	30.61%	30.61%	25.64%	27.99%	30.61%
Preferred Equity	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Preferred Equity % of Market Value	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Market Value of Common Equity	\$92,523.5	\$96,175.9	\$93,096.7	\$90,473.2	\$95,800.0	\$126,910.3	\$114,684.6	\$100,491.2	\$104,394.5	\$120,797.5
Common Equity % of Market Value	79.66%	79.81%	77.40%	75.40%	72.55%	69.39%	69.39%	74.36%	72.01%	69.39%
Total Economic Market Value (MV)	\$116,143.6	\$120,513.0	\$120,274.4	\$119,983.0	\$132,044.8	\$182,884.4	\$165,266.5	\$135,139.9	\$144,970.7	\$174,075.4
Total %	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Excess Cash	\$806.6	\$1,146.1	\$1,835.2	\$1,170.3	\$1,020.0	\$1,495.7	\$1,351.7	\$1,333.5	\$1,228.7	\$1,423.7
Economic Enterprise Value	\$115,337.0	\$119,366.9	\$118,439.2	\$118,812.7	\$131,024.8	\$181,388.6	\$163,914.8	\$133,806.5	\$143,742.1	\$172,651.7
Average Capital	\$37,427.4	\$39,440.1	\$41,714.4	\$42,490.6	\$40,340.1	\$47,478.7	\$53,621.8	\$42,292.8	\$43,436.5	\$50,550.2
Capital $\Delta$ Source: Company Data, Financial statements and Tigress F	\$1,894.6	\$2,131.0	\$2,417.5	(\$865.0)	(\$3,436.0)	\$17,713.2	(\$5,427.0)	\$3,592.1	\$4,470.7	\$6,143.1

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC
Research: (646) 780-8880 research@tigressfp.com
40 Wall Street New York NY, 10005 (212) 430-8700 www.tigressfinancialpartners.com

Tigress Financial Partners seeks to do business with the companies that are the subject of these reports. Please refer to the last three pages of this report for important certification, disclosure and disclaimer Information.

© 2017 Tigress Financial Partners LLC. No part of this report may be reproduced or redistributed in any form.



November 29, 2017 Page 7 of 11

## **McDonald's Corporation (MCD-US)**

### **Hotels Restaurants & Leisure**

### **Financial Analysis**

Report Basis	LTM	LTM	LTM	LTM	LTM	LTM	NTM	5 Yr	3 Yr	Current
Reported Period Ending Return on Market Value (NOPAT / MV)	09/30/2012 5.06%	09/30/2013 5.00%	09/30/2014 4.81%	09/30/2015 4,42%	09/30/2016 4.16%	09/30/2017 3,35%	09/30/2018 3.03%	Average 4,35%	Average 3.98%	Trend_ 3.19%
Return on Enterprise Value (NOPAT / EV)	5.10%	5.05%	4.89%	4.46%	4.19%	3.38%	3.05%	4.39%	4.01%	3.19%
Return on Capital (NOPAT / Average Capital)	15.70%	15.29%	13.88%	12.48%	13.60%	12.90%	11.66%	13.63%	13.00%	12.28%
Cost of Capital (WACC)	4.01%	5.12%	4.60%	4.58%	4.11%	4.42%	4.42%	4.56%	4.37%	4.42%
Economic Return Spread	11.69%	10.18%	9.28%	7.90%	9.50%	8.48%	7.67%	9.07%	8.63%	8.07%
Capital Charge	\$1,501.0	\$2,017.6	\$1,917.3	\$1,945.8	\$1,656.2	\$2,099.1	\$1,896.9	\$1,927.2	\$1,900.4	\$1,998.0
Economic Profit (EP)	\$4,375.9	\$4,013.2	\$3,872.0	\$3,356.8	\$3,831.8	\$4,027.3	\$3,639.4	\$3,820.2	\$3,738.6	\$3,833.4
Economic Profit Improvment (EPI)	\$220.2	(\$362.7)	(\$141.2)	(\$515.2)	\$475.0	\$195.6	(\$388.0)	(\$69.7)	\$51.8	(\$96.2)
EP Growth	5.30%	-8.29%	-3.52%	-13.31%	14.15%	5.10%	-9.63%	-1.17%	1.98%	-2.26%
Economic Profit Margin on Sales Economic Profit Per Share	15.95% <b>\$4.24</b>	14.35% \$3.97	13.85% <b>\$3.88</b>	13.09% <b>\$3.42</b>	15.37% <b>\$4.08</b>	17.13% <b>\$4.71</b>	17.64% <b>\$4.26</b>	14.76% <b>\$4.01</b>	15.20% <b>\$4.07</b>	17.39% <b>\$4.49</b>
GAAP Earnings Per Share	\$5.37	\$5.58	\$5.12	\$4.65	\$5.34	\$6.99	\$6.82	\$5.54	\$5.66	\$6.90
Excess Cash Per Share	\$0.80	\$1.15	\$1.88	\$1.26	\$1.21	\$1.86	\$1.68	\$1.47	\$1.44	\$1.77
Performance Drivers										
Sales Growth	3.94%	1.92%	-0.01%	-8.29%	-2.77%	-5.72%	-12.25%	-2.97%	-5.59%	-8.98%
Sales Growth Trend (ROC Sales Growth)	6.67%	2.73%	0.76%	-4.98%	-4.98%	-4.54%	-9.63%	-2.20%	-4.83%	-7.08%
EBITDAR Margin	43.05%	43.67%	43.55%	43.80%	45.73%	52.27%	47.26%	45.80%	47.26%	49.77%
EBITDAR Growth	4.56%	3.40%	-0.28%	-7.78%	1.51%	7.78%	-20.65%	0.93%	0.50%	-6.43%
NOPBT Margin	31.45%	31.73%	30.90%	30.13%	32.22%	38.60%	33.65%	32.72%	33.65%	36.12%
NOPBT Growth	3.48%	2.84%	-2.62%	-10.58%	4.00%	12.93%	-23.49%	1.31%	2.12%	-5.28%
NOPAT Margin	21.42%	21.57%	20.70%	20.68%	22.01%	26.06%	22.93%	22.20%	22.92%	24.50%
NOPAT Growth	1.90%	2.62%	-4.00%	-8.41%	3.50%	11.63%	-22.78%	1.07%	2.24%	-5.57%
Economic Profit Margin on Sales (EP / Sales)	15.95%	14.35%	13.85%	13.09%	15.37%	17.13%	17.64%	14.76%	15.20%	17.39%
Economic Profit Growth Economic Return Spread (ROC-WACC)	5.30% 11.69%	-8.29% 10.18%	-3.52% 9.28%	-13.31% 7.90%	14.15% 9.50%	5.10% 8.48%	-9.63% 7.24%	-1.17% 9.07%	1.98% 8.63%	-2.26% 7.86%
Economic Return Ratio (ROC-WACC)	391.54%	298.91%	301.95%	272.51%	331.36%	291.86%	263.74%	299.32%	298.58%	277.80%
Economic Profit Momentum (ΔΕΡ/Capital)	0.57%	-0.90%	-0.33%	-1.22%	1.23%	0.35%	-0.76%	-0.17%	0.12%	-0.21%
Economic Profit Momentum Margin (△EP/Sales)	0.80%	-1.30%	-0.50%	-2.01%	1.90%	0.83%	-1.88%	-0.21%	0.24%	-0.52%
Capital Growth	5.19%	5.55%	5.97%	-2.02%	-8.17%	45.86%	-9.63%	9.44%	11.89%	18.11%
Capital Turns	0.71X	0.69X	0.65X	0.61X	0.65X	0.42X	0.41X	0.60X	0.56X	0.41X
EVC Acceleration Margin	0.83%	-1.32%	-0.50%	-1.84%	1.85%	0.78%	-1.65%	-0.34%	0.20%	-0.39%
EVC Acceleration Spread	0.62%	-0.97%	-0.36%	-1.24%	1.12%	0.48%	-0.82%	-0.13%	0.12%	-0.22%
Risk Factors										
Free Cash Flow (NOPAT - Δ Capital)	\$3,982.3	\$3,899.8	\$3,371.8	\$6,167.6	\$8,924.0	(\$11,586.7)	\$10,158.1	\$2,155.3	\$1,168.3	(\$714.3)
Free Cash Flow Rate (FCF / Capital)	10.38%	9.63%	7.86%	14.66%	23.11%	-20.57%	19.95%	6.94%	5.73%	-0.31%
Free Cash Flow Yield (FCF / MV) Total Debt / Total Capital	3.43% 61.55%	3.24% 60.08%	2.80% 63.32%	5.14% 70.16%	6.76% 93.84%	-6.34% 99.36%	6.15% 99.36%	2.32% 77.35%	1.85% 87.79%	-0.09% 99.36%
Total Debt / EBITDAR	199.98%	199.28%	223.15%	262.73%	317.90%	455.52%	518.74%	291.72%	345.39%	487.13%
Excess Cash	\$806.6	\$1,146.1	\$1,835.2	\$1,170.3	\$1,020.0	\$1,495.7	\$0.0	\$1,333.5	\$1,228.7	\$747.9
Financial Leverage ((Total Debt - Excess Cash) /	19.64%	19.24%	21.07%	23.62%	26.68%	29.79%	30.61%	24.08%	26.69%	30.20%
Pension Leverage (Net Pension Liability / MV)	-0.11%	-0.08%	-0.12%	-0.14%	-0.13%	-0.11%	0.00%	-0.12%	-0.13%	-0.06%
Equity Risk Index (S&P 500 = 1.00)	0.62	0.63	0.62	0.61	0.62	0.61	0.61	0.62	0.61	0.61
Stock Price Volatility	2.03	1.88	1.54	1.82	2.34	2.07	2.07	1.93	2.08	2.07
Sales Index (NL Sales)	10.22	10.24	10.24	10.15	10.12	10.07	9.93	10.16	10.11	10.00
Market Value Index (NL Market Value) Size Index (NL Sales: MV)	11.66 10.94	11.70 10.97	11.70 10.97	11.70 10.92	11.79 10.96	12.12 11.09	12.02 10.97	11.80 10.98	11.87 10.99	12.07 11.03
Beta	0.43	0.44	0.43	0.42	0.43	0.42	0.42	0.43	0.43	0.42
TFP Adjusted Beta	0.62	0.63	0.62	0.61	0.62	0.61	0.61	0.62	0.61	0.61
Stock Price Volatility	2.03	1.88	1.54	1.82	2.34	2.07	2.07	1.93	2.08	2.07
Valuation Measures										
Total Economic Market Value (MV)	\$116,143.6	\$120,513.0	\$120,274.4	\$119,983.0	\$132,044.8	\$182,884.4	\$165,266.5	\$135,139.9	\$144,970.7	\$174,075.4
Economic Enterprise Value	\$115,337.0	\$119,366.9	\$118,439.2	\$118,812.7	\$131,024.8	\$181,388.6	\$163,914.8	\$133,806.5	\$143,742.1	\$172,651.7
Equity Market Value	\$92,523.5	\$96,175.9	\$93,096.7	\$90,473.2	\$95,800.0	\$126,910.3	\$114,684.6	\$100,491.2	\$104,394.5	\$120,797.5
Total Capital	\$40,524.0	\$42,592.8	\$44,951.4	\$43,506.3	\$41,126.4	\$58,255.8	\$52,643.8	\$46,086.6	\$47,629.5	\$55,449.8
Market Value Created MVC (MV - Capital)	\$75,619.6	\$77,920.1	\$75,323.0	\$76,476.7	\$90,918.4	\$124,628.5	\$112,622.6	\$89,053.4	\$97,341.2	\$118,625.6
MVC Margin (MVC / Sales)	275.61%	278.64%	269.37%	298.23%	364.63%	530.13%	545.91%	342.48%	394.16%	537.50%
MVC Spread (MVC / Capital)	186.60%	182.94%	167.57%	175.78%	221.07%	213.93%	213.93%	193.23%	204.37%	213.93%
Current EVC Value (EP / WACC) Current Operations Value COV	\$109,116.3 \$146,543.6	\$78,451.5 \$117,891.6	\$84,243.4 \$125,957.8	\$73,302.7 \$115,793.3	\$93,331.7 \$133,671.8	\$91,092.8 \$138,571.5	\$82,317.5 \$135,939.3	\$83,711.6 \$126,004.3	\$85,578.1 \$129,014.6	\$86,705.2 \$137,255.4
Current Operations Value COV Current Operations Value Per Share	\$146,543.6	\$117,891.6	\$125,957.8	\$115,793.3	\$133,671.8	\$138,571.5	\$135,939.3	\$126,004.3	\$129,014.6	\$137,255.4 \$151.58
Future Growth Value (MVC - EVA Value)	(\$30,400.0)	\$2,621.3	(\$5,683.4)	\$4,189.7	(\$1,627.0)	\$44,312.9	\$29,327.2	\$9,135.6	\$15,956.1	\$36,820.0
Future Growth Value Reliance (FGV / MV)	-26.17%	2.18%	-4.73%	3.49%	-1.23%	24.23%	17.75%	6.76%	11.01%	21.15%
Share Price	\$91.75	\$96.21	\$94.81	\$98.53	\$115.36	\$156.68	\$156.68	\$112.32	\$123.52	\$156.68
Dividend Yield	3.05%	3.20%	3.42%	3.45%	3.09%	2.40%				
Total Shareholder Return (TTM)	7.53%	8.06%	1.96%	7.37%	20.17%	38.22%	0.00%	-28.31%	9.98%	26.84%
MV to IC Ratio	2.87X	2.83X	2.68X	2.76X	3.21X	3.14X	3.14X	2.93X	3.04X	3.14X
EV / EBITDAR Multiple	9.77X	9.77X	9.72X	10.58X	11.49X	14.76X	16.81X	11.28X	12.35X	15.67X
EV / NOPBIT Multiple EV / NOPAT Multiple	13.37X	13.45X 19.79X	13.71X	15.38X	16.31X	19.99X	23.61X	15.80X	17.36X	21.56X 31.80X
	19.63X		20.46X	22.41X	23.88X	29.61X	34.65X	23.28X	25.49X	31.80X 45.04X
EV / EP Multiple Future Growth Value (% of MV)	26.36X -26.17%	29.74X 2.18%	30.59X -4.73%	35.39X 3.49%	34.19X -1.23%	45.04X 24.23%	45.04X 17.75%	35.03X 6.76%	38.45X 11.01%	21.15%
Current Operations Value (% of MV)	126.17%	97.82%	104.73%	96.51%	101.23%	75.77%	82.25%	93.24%	88.99%	78.85%
Market Value (COV + FGV %)	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
Basic Shares Outstanding	1,032.1	1,010.1	998.4	980.5	939.4	854.4	956.6	956.6	924.8	905.5
Source: Company Data, Financial statements and Tigress R										

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC
Research: (646) 780-8880 research@tigressfp.com
40 Wall Street New York NY, 10005 (212) 430-8700 www.tigressfinancialpartners.com

Tigress Financial Partners seeks to do business with the companies that are the subject of these reports. Please refer to the last three pages of this report for important certification, disclosure and disclaimer Information. © 2017 Tigress Financial Partners LLC. No part of this report may be reproduced or redistributed in any form.

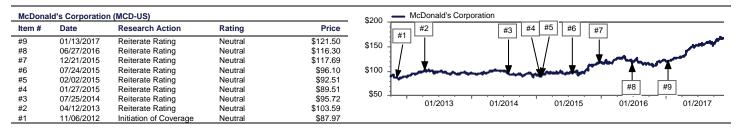


November 29, 2017 Page 8 of 11

### McDonald's Corporation (MCD-US)

### **Hotels Restaurants & Leisure**

### **Ratings History**



### **Tigress Research Methodology Overview**

We employ proprietary quantitative valuation models combined with dynamic fundamental analysis based on the principles of Economic Profit to formulate timely and insightful investment ratings, analysis, strategies, and recommendations.

We make key adjustments to reported financial data eliminating GAAP-based accounting distortions and measuring all companies on a cash operating basis

Our proprietary research framework is a multi-factor model that scores and ranks companies based on their risk-adjusted ability to create Economic Profit relative to their current market value focusing on three key components:

Business Performance: Measuring economic profitability, growth and operating efficiency.

Risk: Measuring business sustainability, volatility, strength, and consistency.

**Valuation:** Linking business performance to market value. Measuring value created relative to capital employed and enterprise multiples of economic profit and cash flow.

We score and rank 24 key measurements of performance, risk, and value into relative market and industry investment recommendations.

For more information on our research methodology, please review the Tigress Investment Research Guide to Company Valuation and Analysis.

### **Glossary of Key Terms and Measures**

Excess Cash per Share: Excess Cash per Share is the amount of excess cash divided by basic shares outstanding. Excess Cash consists of all

cash and short-term securities less operating cash needed to run the business. Operating Cash is 5% of TTM net sales

revenue.

EBITDAR: Earnings Before Interest, Taxes, Depreciation, Amortization, and Restructuring and Rent Costs. This is especially

important when comparing companies that use a significant amount of leased assets like restaurants and retailers.

NOPAT: Net Operating Profit after Tax represents a company's after-tax cash operating profit excluding financing costs.

Total Invested Capital: Total Invested Capital the total cash investment that shareholders and debt holders have made during the life of the

company.

Return on Capital: Return on Capital equals NOPAT divided by Total Invested Capital. It is a key measure of operating efficiency. ROC

quantifies how well a company generates cash flow relative to the capital invested in its business.

Cost of Capital: Is the proportionately weighted cost of each category of capital – common equity, preferred equity and debt.

**Economic Profit:** Economic Profit is the net operating income after tax less the opportunity cost of the total capital invested. It is the most

important driver of shareholder value.

Current Operations Value: Current Operations Value is the portion of market value based on the discounted present value of the current earnings

stream assuming it remains constant forever.

Future Growth Value: Future Growth Value is the portion of market value based on un-earned Economic Profit

For more information on the key terms and measures, please review the Tigress Investment Research Guide to Company Valuation and Analysis.



November 29, 2017 Page 9 of 11

#### **Contacts**

Ivan Feinseth Director of Research (646) 780-8901 Direct ifeinseth@tigressfp.com

Mario LoGrande
Institutional Sales & Trading
(646) 780-8905 Direct
mlogrande@tigressfp.com

Michael Naidrich Capital Markets / Sales & Trading (646) 780-8902 Direct mnaidrich@tigressfp.com

Joseph Pisano Institutional Sales & Trading (646) 780-8893 Direct jpisano@tigressfp.com Peter Bergen Institutional Sales and Trading (646) 780-8915 Direct pbergen@tigressfp.com

David Schiffman
Capital Markets / Sales & Trading
(646) 780-8914 Direct
dschiffman@tigressfp.com

### **Analyst Certification**

I, Ivan Feinseth, hereby certify that the views expressed herein accurately reflect my personal views about the subject company and their securities and that I have not been and will not be directly or indirectly compensated for expressing specific recommendations or views in the report.

#### **Research Disclosures**

Employees, officers, directors and shareholders of Tigress Financial Partners LLC and of any of Tigress Financial Partners LLC affiliated entities that are not directly involved with the production of any Tigress Research report (s) and / or their family members may buy / sell or hold securities for their own accounts contrary to the current recommendation expressed in any report published by Tigress Research.

Tigress Financial Partners LLC, as well as affiliates of Tigress Financial Partners LLC, provide or may seek to provide investment banking, consulting and / or other services to the companies and / or the officers, directors, and employees of the companies that are the subject of research reports published by Tigress Research.

Tigress Financial Partners research personnel, including the analyst(s) responsible for the production of this report, receive compensation based upon the overall profitability of the entire firm including profits derived from investment banking revenues.

### **Tigress Research Investment Rating Meanings and Distribution**

Tigress Research employs a five-tier rating system for evaluating the investment opportunity and potential return associated with owning the common equity of rated firms within our research universe. The potential return is measured on a relative basis to the general market which is represented by the S&P 500 and to the subject company's industry peer group as indicated.

<b>D</b> 41	D: 4 !! 4!	(4.4.100.100.47)
Kating	Distribution	(11/28/2017)

Relationshin

universe. The potential return is measured on a relative basis to the general market which is represented by the S&P 500 and to the subject company's industry peer group as indicated.		Companies Under Coverage			Companies Under Coverage*	
Rating:	Meaning:		#	%	#	%
Strong Buy:	Expect significant price gains in the price of the stock relative to its industry peer group and general market over the next 12 months.		16	14%	1	17%
Buy:	Expect out-performance for the price of the stock relative to its industry peer group and general market over the next 12 months.		52	44%	4	66%
Neutral:	Expect little or no outperformance opportunity over the next 12 months.		44	38%	1	17%
Underperform:	Expect underperformance for the price of the stock relative to its industry peer group and general market over the next 12 months.		5	4%	0	0%
Sell:	Expect price decline or significant relative market and industry underperformance over the next 12 months.		0	0%	0	0%
Not Rated	No Current Research Rating		NA	NA	65	NA
Partners LLC or or investment banking	panies under research coverage are companies in which Tigress Financial ne of its affiliates has received compensation for investment banking or nongeservices from the company, affiliated entities and / or its employees within the sor expects to do so within the next three months.	Total	117	100%	71	100%

Tigress Financial Partners LLC - Member of FINRA / MSRB / SIPC
Research: (646) 780-8880 research@tigressfp.com
40 Wall Street New York NY, 10005 (212) 430-8700 www.tigressfinancialpartners.com

Tigress Financial Partners seeks to do business with the companies that are the subject of these reports. Please refer to the last three pages of this report for important certification, disclosure and disclaimer Information.

© 2017 Tigress Financial Partners LLC. No part of this report may be reproduced or redistributed in any form.



November 29, 2017 Page 10 of 11

### Specific Disclosures for the companies that are the subject of this Report

Company: Disclosure:

#### Key Disclosure:

- 1. The Analyst or a household member responsible for the production of this report currently holds a position in securities of the company that is the primary subject of this report in a personal, related or beneficial account.
- 2. The Analyst or a household member responsible for the production of this report beneficially owns one percent or more in securities of the company that is the primary subject of this report in a personal, related or beneficial account.
- 3. Tigress Financial Partners LLC together with its affiliates beneficially owns one percent or more of the security that is the primary subject of this report.
- 4. The Analyst or a household member responsible for the production of this report currently serves as an officer, director or advisory board member of the company that is the primary subject of this report.
- 5. An employee of Tigress Financial Partners LLC, its affiliates or subsidiaries currently serves as an officer, director or advisory board member of the company that is the primary subject of this report.
- 6. Tigress Financial Partners LLC, its affiliates or subsidiaries is acting as manager/co-manager, underwriter, selling group member, placement or sales agent regarding an offering of securities of this subject company/entity or one of its affiliates.
- 7. Tigress Financial Partners LLC, its affiliates or subsidiaries has acted as manager/co-manager, underwriter, selling group member, placement or sales agent regarding an offering of securities of this subject company/entity or one of its affiliates within the past 12 months.
- 8. Tigress Financial Partners LLC or an affiliated entity currently receives compensation for non-investment banking services from the company and / or employees and / or affiliated persons of the company that is the primary subject of this report.
- 9. Within the last 12 months, Tigress Financial Partners LLC, or an affiliated entity has received compensation for investment banking services from the company that is the primary subject of this report.
- 10. Within the last 12 months, Tigress Financial Partners LLC, or an affiliated entity has received compensation for non-investment banking services from the company that is the primary subject of this report.
- 11. Within the last 12 months, Tigress Financial Partners LLC, or an affiliated entity has received compensation for non-investment banking services from employees and / or affiliated persons of the company that is the primary subject of this report.
- 12. In the next 3 months, Tigress Financial Partners LLC, or an affiliated entity, expects to receive compensation for investment banking services from the company that is the primary subject of this report.
- 13. In the next 3 months, Tigress Financial Partners LLC, or an affiliated entity, expects to receive compensation for non-investment banking services from the company that is the primary subject of this report.
- 14. Accounts managed by Tigress Financial Partners LLC, and / or an employee or an affiliated entity currently hold a position in the security that is the primary subject of this report.
- 15. Tigress Financial Partners LLC and /or an affiliated entity currently has contracted the products and / or services of the company that is the primary subject of this report.



November 29, 2017 Page 11 of 11

### **Research Report Disclaimer**

This report is produced for informational purposes only and is not a solicitation to buy or sell any securities or services from any companies or issuers mentioned herein or to participate in any particular trading strategy or in any jurisdiction in which such an offer or solicitation would violate applicable laws or regulations.

Tigress research is distributed in the United States by Tigress Financial Partners LLC a registered broker dealer with the Securities and Exchange Commission (SEC) and a member of the Financial Industry Regulatory Authority (FINRA).

The information contained herein has been obtained or derived from sources believed to be reliable but its accuracy and completeness is not guaranteed and should not be the sole basis for any investment decision but only to be used as a factor in the investment decision process.

This report does not provide individually tailored investment advice and has been prepared without regard to the individual financial circumstances and investment objectives of any person(s) receiving it. The analysis and conclusions herein are not a complete analysis of every material fact respecting any company, industry, or security. The opinions expressed in this report reflect the judgment of the author(s) at this date and are subject to change without further notice. Tigress Financial Partners is under no obligation to provide updates to recipients of any previously issued reports or recommendations.

The market value and expected income from any investment may vary because of changes in interest rates or foreign exchange rates, securities prices or market indexes, operational or financial conditions of the underlying companies or other factors. Past performance is not indicative of future performance. Estimates of future performance, research ratings, and target prices are based on assumptions that may not be realized. Unless otherwise stated, the cover page provides the most recently available closing price on the primary exchange for the subject company's securities/instruments.

Securities are offered through Tigress Financial Partners LLC a SEC Registered Broker Dealer and registered investment advisor and a member of FINRA/MSRB/SIPC which clears its securities transactions and provides custody of client accounts on a fully disclosed basis through Pershing LLC, a subsidiary of The Bank of New York Mellon.

Securities in your account are protected up to \$500,000 of which \$250,000 can be for claims for cash awaiting reinvestment. Please note that SIPC does not protect against loss due to market fluctuation. For additional information, please go to www.sipc.org.

In addition to SIPC protection, Pershing provides Tigress Financial Partners LLC client accounts coverage in excess of SIPC limits from Lloyd's of London, in conjunction with other insurance companies. The excess of SIPC coverage provides an aggregate loss limit of \$1 billion for eligible securities over all client accounts and a per-client loss limit of \$1.9 million for cash awaiting reinvestment within the aggregate loss limit of \$1 billion. The excess of SIPC coverage does not protect against loss due to market fluctuation. For additional information, please go to www.lloyds.com.

Pershing's excess of SIPC coverage is provided by Lloyd's of London in conjunction with XL Specialty Insurance Co., Axis Specialty Europe Ltd., Great Lakes Reinsurance (UK) PLC and Ironshore Specialty Insurance Co.

#### **About Tigress Financial Partners LLC**

Tigress Financial Partners is a specialized financial services firm providing expertise and services in investment banking, investment research, asset management, corporate advisory, and trade execution services.

Tigress Financial Partners provides its services to corporate entities, institutional investors, high-net worth individual investors, public and private pensions, federal, state and municipal governments.

Tigress Financial Partners LLC is a registered broker dealer and registered investment advisor with the Securities and Exchange Commission (SEC) and a member of the Financial Industry Regulatory Authority (FINRA), the Municipal Securities Rulemaking Board (MSRB) and a member of the Securities Investor Protection Corporation (SIPC).

Tigress Financial Partners LLC is a Woman-Owned Business Enterprise (WBE) and is nationally certified by WBENC, the Women's Business Enterprise National Council.

Tigress Financial Partners LLC is a wholly-owned subsidiary of Tigress Holdings LLC.

For further information, please go to www.tigressfinancialpartners.com.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise without prior expressed permission in writing from Tigress Financial Partners LLC.

All trademarks, service marks and logos used in this report are trademarks or service marks or registered trademarks or service of their respective owners.

© 2017 Tigress Financial Partners LLC. All Rights reserved.