

Amazon.com, Inc. (AMZN)

Channel Checks Highlight Positive Impact of WFM Price Cuts

INVESTMENT HIGHLIGHTS: We recently conducted price comparison checks at Whole Foods, Safeway, Trader Joe's and Costco, and came away incrementally more positive on the AMZN/WFM deal. We believe the recent price cuts have made WFM more price competitive on certain FMCG products, which we believe has lifted in-store foot traffic and turnover. We expect AMZN to continue strengthening WFM's value proposition as a destination to shop for high-quality grocery, and the price cuts should help gain consumer traction, particularly among Amazon's Prime members. We believe both organic and private label represent growth opportunities for Amazon to further penetrate the grocery market. In addition, we also expect further integration of WFM products online, as well as the roll-out Prime members benefits in WFM stores.

- Following the recent announcement of price cuts at Whole Foods Market (WFM), we conducted a price comparison exercise at WFM, as well as several other grocery chains (Figure 1). Among the items we surveyed, price cuts at WFM range from 11% to 38% with an average of ~16%. With these price cuts, we believe these items at WFM had become more price competitive against Safeway and Trader Joe's, whose prices now on average represent ~6% premium over WFM. On the other hand, Costco still holds the most competitive prices among most of the items we surveyed, although these prices require Costco membership and the purchase of larger quantities.
- We identify that price cuts at Whole Foods put particular emphasis on fast-moving consumer goods (FMCG), organic, and private label. While groceries are generally considered FMCG, we note that most promotions fall onto the most popular items such as eggs, milk, apples, and ground beef. We believe Amazon aims to increase WFM foot traffic, repeat visits, and customer loyalty with those competitively priced items, although we expect these price cuts could reduce profitability for these low-margin items.
- We believe the price cuts put emphasis on organic products, which should continue to strengthen Whole Food's value proposition as a high quality grocery outlet. We like the organic focus for two reasons. First, it represents a fast-growing opportunity. According to data from U.S. Consensus Bureau and Organic Trade Association, U.S. grocery sales totaled \$625B in 2016, an increase of ~2% y/y, while organic food sales grew much faster at over 8% y/y and less than 10% of market share. Second, we believe these products are well positioned to target Amazon's relatively affluent Prime member base, which should represent promising opportunity for Amazon to increase wallet share of their grocery budget.

| | FY 12/31/2016 | FY 12/31/2 | 2017 | FY 12/31/2 | 2018 | |
|-----------|---------------|--------------|--------------|--------------|--------------|--|
| | Actual | Old | New | Old | New | |
| Rev. (MM) | 135,987.0A | 168,851.5E | 168,851.5E | 206,857.9E | 206,857.9E | |
| Growth | 27.1% | | 24.2% | | 22.5% | |
| EPS: 1Q | 1.07A | 1.48A | 1.48A | 1.68E | 1.68E | |
| EPS: 2Q | 1.77A | 0.40A | 0.40A | 2.01E | 2.01E | |
| EPS: 3Q | 0.53A | (0.11)E | (0.11)E | 1.66E | 1.66E | |
| EPS: 4Q | <u>1.54A</u> | <u>2.08E</u> | <u>2.08E</u> | <u>4.09E</u> | <u>4.09E</u> | |
| EPS: Year | 4.92A | 3.85E | 3.85E | 9.45E | 9.45E | |
| Growth | 293.6% | | (21.7)% | | 145.5% | |

COMPANY UPDATE

Stock Rating
BUY
Unchanged
Price Target
\$1,150.00

Internet & Digital Media

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Stock Price Performance



| Market Data | |
|--------------------|-----------------------|
| Price (09/06/2017) | \$967.80 |
| 52-Week Range | \$1,083.31 - \$710.10 |
| Shares Outstanding | 480.38 |
| Market Cap (MM) | \$464,911.3 |
| Avg. Daily Volume | 3,871,796.0 |
| Total Debt/Cap. | 51.42% |

Needham & Company, LLC September 7, 2017

We believe private label is another main focus for Amazon post its WFM acquisition. WFM has a well-established 365 Everyday Value brand, and many of these products are included in the recent price cut initiatives. We believe Amazon is uniquely positioned to penetrate the private label market as its extensive consumer data enables unparalleled expertise in product selection and pricing. Whole Foods' private label products are also the majority of SKUs that have become available on Amazon's website since the acquisition. As of Thursday, 365 Everyday Value brand comprises 166 out of 204 SKUs available on Amazon Fresh's Whole Foods store page, and 28 of 29 SKUs on Prime Now's Whole Foods store page. While this represents a very small selection of products and is still very early stage, we expect continued penetration of WFM's private label products on Amazon's website, as well as Amazon's private label products in Whole Foods stores. Ultimately, we believe the increasing penetration of private label products should help with Amazon's gross margin and profitability, in addition to gaining wallet share in the grocery market.

- We note that it has only been a few days since the rollout of these price cuts and the price cuts only concern a small selection of all products. Despite lack of official statistics disclosed by the company, we believe these initiatives are showing some early sign of effectiveness. Through several visits to the local stores, we noticed quite a few instances of empty shelves, particularly in the discounted item sections, likely suggesting higher turnover on these competitively priced items. We believe it is the company's intention to drive more foot traffic through these price cut initiatives, which could lead to consumers buying other items in-store.
- Apart from the price cuts, we also noticed that Amazon Echo devices are already available in WFM stores. We have not seen any Prime member specific discounts in-store, nor do we see the Prime-linked WFM loyalty program rolled out yet. We expect increasing synergy both on the consumer front as well as in the back-end operation as Amazon continued to integrate its e-commerce and WFM in-store businesses.

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Figure 1 Price Check Summary

| | | Whole Foods | | | ls | Safeway | | | TJ's | | | | Costco | | |
|-------------------------|------------|-------------|-------|----|-------|----------|-------|------|---------|-------------|-------|---------|--------|---------|--------|
| Item | Quantity | Before | | ı | After | Discount | Price | | vs. WFM | Price vs. V | | vs. WFM | F | Price v | s. WFM |
| Bananas | | | | | | | | | | | | | | | |
| Regular | per lb | \$ | 0.79 | \$ | 0.49 | -38% | \$ | 0.49 | 0% | \$ | 0.57 | 16% | \$ | 0.46 | -6% |
| Organic | per lb | \$ | 0.99 | \$ | 0.69 | -30% | \$ | 0.69 | 0% | \$ | 0.75 | 9% | \$ | 0.66 | -4% |
| Apples | | | | | | | | | | | | | | | |
| Gala Apples | per lb | \$ | 2.99 | \$ | 1.99 | -33% | \$ | 2.99 | 50% | \$ | 2.07 | 4% | \$ | 1.91 | -4% |
| Avocados | | | | | | | | | | | | | | | |
| Regular | each | \$ | 1.99 | \$ | 1.49 | -25% | | N, | /A | \$ | 2.29 | 54% | | N/A | |
| Organic | each | \$ | 2.99 | \$ | 1.99 | -33% | \$ | 1.99 | 0% | \$ | 2.69 | 35% | | N/A | |
| Large Brown Eggs | | | | | | | | | | | | | | | |
| Private Label - Regular | dozen | \$ | 3.66 | \$ | 2.79 | -24% | \$ | 1.67 | -40% | \$ | 3.29 | 18% | \$ | 1.88 | -33% |
| Private Label - Organic | dozen | \$ | 4.49 | \$ | 3.39 | -24% | \$ | 3.99 | 18% | \$ | 3.69 | 9% | \$ | 3.50 | 3% |
| Branded - Regular | dozen | \$ | 4.49 | \$ | 4.49 | 0% | \$ | 4.99 | 11% | | N, | /A | | N/A | |
| Branded - Organic | dozen | \$ | 6.49 | \$ | 6.49 | 0% | \$ | 5.99 | -8% | | N, | /A | | N/A | |
| Butter | | | | | | | | | | | | | | | |
| Private Label - Regular | 1 lb block | \$ | 3.49 | \$ | 3.49 | 0% | \$ | 3.99 | 14% | \$ | 2.99 | -14% | \$ | 3.00 | -14% |
| Private Label - Organic | 1 lb block | \$ | 4.99 | \$ | 4.49 | -10% | \$ | 4.49 | 0% | \$ | 4.49 | 0% | \$ | 4.25 | -5% |
| Branded - Regular | 1 lb block | \$ | 5.49 | \$ | 5.49 | 0% | \$ | 4.99 | -9% | | N, | /A | | N/A | |
| Branded - Organic | 1 lb block | \$ | 7.99 | \$ | 7.99 | 0% | \$ | 7.99 | 0% | | N, | /A | | N/A | |
| Milk | | | | | | | | | | | | | | | |
| Private Label - Regular | 1/2 gal | \$ | 2.29 | \$ | 2.29 | 0% | \$ | 2.49 | 9% | \$ | 1.99 | -13% | \$ | 1.85 | -19% |
| Private Label - Organic | 1/2 gal | \$ | 3.99 | \$ | 3.49 | -13% | \$ | 3.49 | 0% | \$ | 3.49 | 0% | | N/A | |
| Branded - Regular | 1/2 gal | \$ | 2.29 | \$ | 2.29 | 0% | \$ | 3.29 | 44% | | N, | /A | | N/A | |
| Branded - Organic | 1/2 gal | \$ | 4.49 | \$ | 3.99 | -11% | \$ | 4.99 | 25% | | N, | /A | \$ | 4.99 | 25% |
| Salmon | | | | | | | | | | | | | | | |
| Wild Caught | per lb | \$ | 12.99 | \$ | 9.99 | -23% | \$ | 9.99 | 0% | \$ | 11.99 | 20% | \$ | 9.99 | 0% |
| Tilapia | | | | | | | | | | | | | | | |
| Farmed Raised | per lb | \$ | 9.99 | \$ | 7.99 | -20% | \$ | 7.99 | 0% | \$ | 5.99 | -25% | \$ | 4.99 | -38% |
| Ground Beef | · | | | | | | | | | | | | | | |
| 85% Lean Ground Beef | per lb | \$ | 7.99 | \$ | 4.99 | -38% | \$ | 6.99 | 40% | \$ | 7.99 | 60% | \$ | 4.99 | 0% |
| Almond Butter | | | | | | | | | | | | | | | |
| Creamy or Crunchy | 1 lb jar | \$ | 13.99 | \$ | 9.99 | -29% | \$ | 9.99 | 0% | \$ | 5.99 | -40% | \$ | 7.58 | -24% |
| Peanut Butter | | | | | | | | | | | | | | | |
| Regular | per lb | | | | N/A | | \$ | 3.01 | | \$ | 2.29 | | \$ | 1.66 | |
| Organic | per lb | \$ | 5.99 | \$ | 4.99 | -17% | \$ | 4.45 | -11% | \$ | 3.49 | -30% | \$ | 2.85 | -43% |
| Rotisserie Chicken | · | | | | | | | | | | | | | | |
| Rotisserie Chicken | each | \$ | 8.99 | \$ | 7.99 | -11% | \$ | 6.99 | -13% | | N, | /A | \$ | 4.99 | -38% |
| Median | | | | | | -17% | | | 0% | | • | 6% | | | -6% |
| Average | | | | | | -16% | | | 6% | | | 6% | | | -13% |

^{*} Price at Safeway, Trader Joe's and Costco are based on price of most comparable products at equivalent quantity.

Source: Needham & Company, LLC

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Figure 2 **Projected Quarterly Income Statement**

Amazon.com Quarterly Income Statement (in millions, except per share data and ratios)

| | _ | 2016A | | _ | 2017 | 2017E | | _ | 201 | | | |
|--|--|--|--|---|---|--|---|--|---|---|--|--|
| | Mar-16 Q1:16A | Jun-16 Q2:16A | Sep-16 Q3:16A | Dec-16 Q4:16A | Mar-17 Q1:17A | Jun-17 Q2:17A | Sep-17 Q3:17E | Dec-17 Q4:17E | Mar-18 Q1:18E | Jun-18 Q2:18E | Sep-18 Q3:18E | Dec-18 Q4:18E |
| Total Revenue | 29,128 | 30,404 | 32,714 | 43,741 | 35,714 | 37,955 | 40,775 | 54,407 | 44,407 | 46,787 | 49,807 | 65,857 |
| Cost of Revenue | 18,866 | 19,180 | 21,253 | 28,949 | 22,432 | 23,439 | 25,852 | 35,147 | 27,754 | 28,400 | 31,050 | 41,819 |
| Gross Profit (Loss) | 10,262 | 11,224 | 11,461 | 14,792 | 13,282 | 14,516 | 14,924 | 19,260 | 16,652 | 18,387 | 18,757 | 24,038 |
| Gross Margin | 35.2% | 36.9% | 35.0% | 33.8% | 37.2% | 38.2% | 36.6% | 35.4% | 37.5% | 39.3% | 37.7% | 36.5% |
| Operating Expenses: | | | | | | | | | | | | |
| Fulfillment | 3,571 | 3,692 | 4,170 | 5,529 | 4,534 | 4,897 | 5,448 | 7,073 | 5,595 | 5,942 | 6,226 | 8,127 |
| Marketing Technology and content | 1,380 3,209 | 1,466 3,461 | 1,653 3,701 | 2,411 4,052 | 1,826 4,372 | 2,096 4,916 | 2,243 5,219 | 2,884 5,461 | 2,220 5,373 | 2,480 5,989 | 2,490 6,226 | 3,227 6,586 |
| General and administrative | 442 | 497 | 554 | 624 | 709 | 755 | 775 | 762 | 844 | 842 | 847 | 1,054 |
| Stock-based compensation | 544 | 768 | 769 | 887 | 792 | 1,158 | 1,223 | 1,415 | 1,243 | 1,497 | 1,594 | 1,778 |
| Other operating expense, net | 45 | 55 | 32 | 34 | 44 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| Total Operating Expenses | 9,191 | 9,939 | 10,879 | 13,537 | 12,277 | 13,888 | 14,973 | 17,660 | 15,342 | 16,816 | 17,449 | 20,837 |
| Operating Income (GAAP) | 1,071 | 1,285 | 582 | 1,255 | 1,005 | 628 | (50) | 1,600 | 1,311 | 1,572 | 1,309 | 3,201 |
| Consolidated Segment Operating Income (CSOI) | 1,660 | 2,108 | 1,390 | 2,176 | 1,841 | 1,852 | 1,240 | 3,081 | 2,620 | 3,135 | 2,968 | 5,045 |
| CSOI M argin | 5.7% | 6.9% | 4.2% | 5.0% | 5.2% | 4.9% | 3.0% | 5.7% | 5.9% | 6.7% | 6.0% | 7.7% |
| Interest income | 21 | 24 | 26 | 30 | 39 | 44 | 30 | 23 | 51 | 44 | 36 | 29 |
| Interest expense | (117) | (116) | (118) | (133) | (139) | (143) | (169) | (173) | (213) | (213) | (213) | (229) |
| Other income (expense), net Total Non-operating income (expense) | 81 (15) | (14) (106) | (84) | 14 (89) | 48 (52) | 137 38 | 137 (2) | 137 (13) | 137 (25) | 137 (32) | 137 (40) | 137 (63) |
| lucama hafara manisian far incomo tavas | 4.056.0 | 4 470 0 | 409.0 | 4.466.0 | 052.0 | 666.0 | (E4 E) | 4 507 2 | 4 205 4 | 4 520 7 | 4 260 0 | 2 427 6 |
| Income before provision for income taxes Income tax expense (benefit) | 1,056.0 475.0 | 1,179.0 307.0 | 498.0 229.0 | 1,166.0 414.0 | 953.0 229.0 | 666.0 467.0 | (51.5) 0.0 | 1,587.3 555.6 | 1,285.4 449.9 | 1,539.7 538.9 | 1,268.8 444.1 | 3,137.6 1,098.2 |
| Equity-method investment activity, net of tax | (68.0) | (15.0) | (10.0) | (3.0) | 0.0 | (2.0) | (2.0) | (2.0) | (2.0) | (2.0) | (2.0) | (2.0) |
| Reported GAAP Net Income | 513.0 | 857.0 | 259.0 | 749.0 | 724.0 | 197.0 | (53.5) | 1,029.8 | 833.5 | 998.8 | 822.7 | 2,037.5 |
| Pro Forma Net Income | 904.0 | 1,480.7 | 705.4 | 1,346.0 | 1,359.1 | 564.7 | 1,237.8 | 1,994.1 | 1,686.6 | 2,016.9 | 1,903.6 | 3,238.2 |
| | | | | | | | | | | | | |
| Reported GAAP EPS Pro Forma EPS | \$1.07 \$1.88 | \$1.77 \$3.07 | \$0.53 \$1.45 | \$1.54 \$2.77 | \$1.48 \$2.77 | \$0.40 \$1.15 | (\$0.11) \$2.51 | \$2.08 \$4.04 | \$1.68 \$3.41 | \$2.01 \$4.07 | \$1.66 \$3.83 | \$4.09 \$6.50 |
| Tro to time L 3 | \$1.00 | ψ3.01 | ψ1. 1 3 | Ψ2.77 | Ψ2.11 | ψ1.13 | Ψ2.51 | Ş4.04 | ψ5.41 | \$4.07 | ψ3.03 | φ0.30 |
| Basic shares outstanding | 471.0 | 473.0 | 474.0 | 476.0 | 477.0 | 479.0 | 480.0 | 481.0 | 482.0 | 483.0 | 484.0 | 485.0 |
| Diluted shares outstanding | 481.0 | 483.0 | 485.0 | 486.0 | 490.0 | 492.0 | 493.0 | 494.0 | 495.0 | 496.0 | 497.0 | 498.0 |
| EBITDA | | | | | | | | | | | | |
| Depreciation and Amortization | 1,827 | 1,909 | 2,084 | 2,297 | 2435.0 | 2633.0 | 2781.2 | 2771.4 | 2934.0 | 2884.4 | 2900.3 | 2927.2 |
| Adjusted EBITDA | 2898.0 | 3194.0 | 2666.0 | 3552.0 | 3440.0 | 3261.0 | 2731.5 | 4371.4 | 4244.6 | 4455.9 | 4208.9 | 6127.7 |
| Adjusted EBITDA Margin | 9.9% | 10.5% | 8.1% | 8.1% | 9.6% | 8.6% | 6.7% | 8.0% | 9.6% | 9.5% | 8.5% | 9.3% |
| MARGIN ANALYSIS | | | | | | | | | | | | |
| Gross margin | 35.2% | 36.9% | 35.0% | 33.8% | 37.2% | 38.2% | 36.6% | 35.4% | 37.5% | 39.3% | 37.7% | 36.5% |
| Fulfillment | 12.3% | 12.1% | 12.7% | 12.6% | 12.7% | 12.9% | 13.4% | 13.0% | 12.6% | 12.7% | 12.5% | 12.3% |
| Marketing Technology and content | 4.7% 11.0% | 4.8% 11.4% | 5.1% 11.3% | 5.5% 9.3% | 5.1% 12.2% | 5.5% 13.0% | 5.5% 12.8% | 5.3% 10.0% | 5.0% 12.1% | 5.3% 12.8% | 5.0% 12.5% | 4.9% 10.0% |
| General and administrative | 1.5% | 1.6% | 1.7% | 1.4% | 2.0% | 2.0% | 1.9% | 1.4% | 1.9% | 1.8% | 1.7% | 1.6% |
| Operating margin | 3.7% | 4.2% | 1.8% | 2.9% | 2.8% | 1.7% | -0.1% | 2.9% | 3.0% | 3.4% | 2.6% | 4.9% |
| operating margin | | | 40.007 | 35.5% | 24.00/ | 70.1% | 0.0% | 35.0% | 35.0% | 35.0% | 35.0% | 35.0% |
| Tax rate | 45.0% | 26.0% | 46.0% | | 24.0% | | | | | | | |
| Tax rate Pro forma net margin | 45.0% 3.1% | 26.0% 4.9% | 46.0% 2.2% | 3.1% | 3.8% | 1.5% | 3.0% | 3.7% | 3.8% | 4.3% | 3.8% | 4.9% |
| Tax rate | | | | | | | | 3.7% | 3.8% | 4.3% | 3.8% | 4.9% |
| Tax rate Pro forma net margin | 3.1% 28.2% | 4.9% 31.1% | 2.2% | 3.1% 22.4% | 3.8% 22.6% | 1.5% 24.8% | 3.0% 24.6% | 24.4% | 24.3% | 23.3% | 22.1% | 21.0% |
| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit | 3.1% 28.2% 40.2% | 4.9% 31.1% 39.9% | 2.2% 29.0% 33.2% | 3.1% 22.4% 29.7% | 3.8% 22.6% 29.4% | 1.5% 24.8% 29.3% | 3.0% 24.6% 30.2% | 24.4% 30.2% | 24.3% 25.4% | 23.3% 26.7% | 22.1% 25.7% | 21.0% 24.8% |
| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment | 3.1% 28.2% 40.2% 33.8% | 4.9% 31.1% 39.9% 34.5% | 2.2% 29.0% 33.2% 34.2% | 3.1% 22.4% 29.7% 25.4% | 3.8% 22.6% 29.4% 27.0% | 24.8% 29.3% 32.6% | 3.0% 24.6% 30.2% 30.6% | 24.4% 30.2% 27.9% | 24.3% 25.4% 23.4% | 23.3% 26.7% 21.3% | 22.1% 25.7% 14.3% | 21.0% 24.8% 14.9% |
| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment Marketing | 3.1% 28.2% 40.2% 33.8% 31.7% | 4.9% 31.1% 39.9% 34.5% 33.3% | 2.2% 29.0% 33.2% 34.2% 35.9% | 3.1% 22.4% 29.7% 25.4% 42.0% | 3.8% 22.6% 29.4% 27.0% 32.3% | 24.8% 29.3% 32.6% 43.0% | 3.0% 24.6% 30.2% 30.6% 35.7% | 24.4% 30.2% 27.9% 19.6% | 24.3% 25.4% 23.4% 21.6% | 23.3% 26.7% 21.3% 18.3% | 22.1% 25.7% 14.3% 11.0% | 21.0% 24.8% 14.9% 11.9% |
| Tax rate Pro forma net margin YFAR OVER YFAR GROWTH Revenues Gross profit Fulfillment Marketing Technology and content | 3.1% 28.2% 40.2% 33.8% 31.7% 27.3% | 4.9% 31.1% 39.9% 34.5% 33.3% 28.1% | 29.0% 33.2% 34.2% 35.9% 28.2% | 3.1% 22.4% 29.7% 25.4% 42.0% 26.3% | 3.8% 22.6% 29.4% 27.0% 32.3% 36.2% | 1.5% 24.8% 29.3% 32.6% 43.0% 42.0% | 3.0% 24.6% 30.2% 30.6% 35.7% 41.0% | 24.4% 30.2% 27.9% 19.6% 34.8% | 24.3% 25.4% 23.4% 21.6% 22.9% | 23.3% 26.7% 21.3% 18.3% 21.8% | 22.1% 25.7% 14.3% 11.0% 19.3% | 21.0% 24.8% 14.9% 11.9% 20.6% |
| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment Marketing | 3.1% 28.2% 40.2% 33.8% 31.7% | 4.9% 31.1% 39.9% 34.5% 33.3% | 2.2% 29.0% 33.2% 34.2% 35.9% | 3.1% 22.4% 29.7% 25.4% 42.0% | 3.8% 22.6% 29.4% 27.0% 32.3% | 24.8% 29.3% 32.6% 43.0% | 3.0% 24.6% 30.2% 30.6% 35.7% | 24.4% 30.2% 27.9% 19.6% | 24.3% 25.4% 23.4% 21.6% | 23.3% 26.7% 21.3% 18.3% | 22.1% 25.7% 14.3% 11.0% | 21.0% 24.8% 14.9% 11.9% |
| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment Marketing Technology and content General and administrative Operating income | 3.1% 28.2% 40.2% 33.8% 31.7% 27.3% 16.9% | 4.9% 31.1% 39.9% 34.5% 33.3% 28.1% 22.7% | 2.2% 29.0% 33.2% 34.2% 35.9% 28.2% 39.2% | 3.1% 22.4% 29.7% 25.4% 42.0% 26.3% 82.5% | 3.8% 22.6% 29.4% 27.0% 32.3% 36.2% 60.4% | 24.8% 29.3% 32.6% 43.0% 42.0% 51.9% | 3.0% 24.6% 30.2% 30.6% 35.7% 41.0% 39.8% | 24.4% 30.2% 27.9% 19.6% 34.8% 22.1% | 24.3% 25.4% 23.4% 21.6% 22.9% 19.0% | 23.3% 26.7% 21.3% 18.3% 21.8% 11.5% | 22.1% 25.7% 14.3% 11.0% 19.3% 9.3% | 21.0% 24.8% 14.9% 11.9% 20.6% 38.3% |
| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment Marketing Technology and content General and administrative Operating income Pro forma net income | 3.1% 28.2% 40.2% 33.8% 31.7% 27.3% 16.9% 320.0% | 31.1% 39.9% 34.5% 33.3% 28.1% 22.7% 176.9% | 29.0% 33.2% 34.2% 35.9% 28.2% 39.2% 43.3% | 22.4% 29.7% 25.4% 42.0% 26.3% 82.5% 13.3% | 3.8% 22.6% 29.4% 27.0% 32.3% 36.2% 60.4% -6.2% | 1.5% 24.8% 29.3% 32.6% 43.0% 42.0% 51.9% -51.1% | 3.0% 24.6% 30.2% 30.6% 35.7% 41.0% 39.8% -108.5% | 24.4% 30.2% 27.9% 19.6% 34.8% 22.1% 27.5% | 24.3% 25.4% 23.4% 21.6% 22.9% 19.0% 30.4% | 23.3% 26.7% 21.3% 18.3% 21.8% 11.5% 150.2% | 22.1% 25.7% 14.3% 11.0% 19.3% 9.3% -2733.7% | 21.0% 24.8% 14.9% 11.9% 20.6% 38.3% 100.0% |
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| Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment Marketing Technology and content General and administrative Operating income Pro forma net income QUARTER OVER QUARTER GROWTH Revenues Gross profit Fulfillment Marketing Technology and content | 3.1% 28.2% 40.2% 33.8% 31.7% 27.3% 16.9% 320.0% -180.4% -18.5% -10.0% -18.7% 0.1% | 4.9% 31.1% 39.9% 34.5% 33.3% 28.1% 22.7% 473.8% 4.4% 9.4% 3.4% 6.2% 7.9% | 2.2% 29.0% 33.2% 34.2% 35.9% 28.2% 39.2% 43.3% 142.9% 12.8% 6.9% | 3.1% 22.4% 29.7% 25.4% 42.0% 26.3% 82.5% 13.3% 64.8% 33.7% 29.1% 32.6% 45.9% 45.9% | 3.8% 22.6% 29.4% 27.0% 32.3% 36.2% 60.4% -6.2% 50.4% -18.4% -10.2% -24.3% 7.9% | 1.5% 24.8% 29.3% 32.6% 43.0% 42.0% 51.9% -51.1% -61.9% 6.3% 9.3% 8.0% 14.8% 12.4% | 3.0% 24.6% 30.2% 30.8% 35.7% 41.0% 39.8% -108.5% 75.5% 7.4% 2.8% 11.2% 7.0% 6.2% | 24.4% 30.2% 27.9% 19.6% 34.8% 22.1% 27.5% 48.2% 33.4% 29.1% 29.8% 28.6% 4.6% | 24.3% 25.4% 23.4% 21.6% 22.9% 19.0% 30.4% 24.1% -18.4% -13.5% -20.9% -23.0% -1.6% | 23.3% 26.7% 21.3% 21.8% 11.5% 150.2% 257.1% 5.4% 10.4% 6.2% 11.7% 11.5% | 22.1% 25.7% 14.3% 11.0% 19.3% 9.3% -2733.7% 53.8% 6.5% 2.0% 4.8% 0.4% 4.0% | 21.0% 24.8% 14.9% 11.9% 20.6% 38.3% 100.0% 62.4% 32.2% 28.2% 30.5% 29.6% 5.8% |

Source: Company reports, Needham & Company, LLC

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Figure 3 Projected Annual Income Statement

| (in millions, except per share data and ratios) | | | | |
|---|--|---|---|---|
| | 2015A | 2016A | 2017E | 2018E |
| Total Revenue | 107,007.0 | 135,987.0 | 168,851.5 | 206,857.9 |
| Cost of Revenue | 71,651.0 | 88,248.0 | 106,869.6 | 129,022.9 |
| Gross Profit (Loss) | 35,356.0 | 47,739.0 | 61,981.9 | 77,835.0 |
| Operating Expenses: Fulfillment | 12 020 0 | 16.062.0 | 21 051 5 | 25 000 0 |
| Marketing | 12,930.0 5,062.0 | 16,962.0 6,910.0 | 21,951.5 9,048.2 | 25,889.8 10,417.4 |
| Technology and content | 11,317.0 | 14,423.0 | 19,968.6 | 24,173.5 |
| General and administrative | 1,523.0 | 2,117.0 | 3,000.4 | 3,586.3 |
| Stock-based compensation | 2,120.0 | 2,968.0 | 4,587.8 | 6,112.5 |
| Amortization of other intangibles | 171.0 | 166.0 | 242.0 | 264.0 |
| Restructuring-related and other | | | - | - |
| Total Operating Expenses | 33,123.0 | 43,546.0 | 58,798.6 | 70,443.7 |
| Operating Income (GAAP) | 2,233.0 | 4,193.0 | 3,183.3 | 7,391.3 |
| Consolidated Segment Operating Income (CSOI) | 4,524.0 | 7,327.0 | 8,013.1 | 13,767.9 |
| Interest income | 49.0 | 101.0 | 136.4 | 159.5 |
| Interest income Interest expense | (460.0) | _ | (623.8) | (867.3) |
| Other income (expense), net | (254.0) | _ ` ` | 459.0 | 548.0 |
| Remeasurements and Other | | | - | - |
| Total Non-operating income (expense) | (665.0) | (294.0) | (28.4) | (159.8) |
| Income before provision for income taxes | 1,568.0 | 3,899.0 | 3,154.8 | 7,231.6 |
| Income tax expense (benefit) | 951.0 | 1,425.0 | 1,251.6 | 2,531.0 |
| Equity-method investment activity, net of tax | (21.0) | (96.0) | (6.0) | (8.0) |
| Reported GAAP Net Income | 596.0 | 2,378.0 | 1,897.3 | 4,692.5 |
| Pro Forma Net Income | 241.6 | 4,436.1 | 5,155.7 | 8,169.0 |
| Reported GAAP EPS | \$ 1.25 | \$ 4.92 | \$ 3.85 | \$ 9.45 |
| Pro Forma EPS | \$ 0.51 | \$ 9.17 | \$ 10.47 | \$ 16.45 |
| Basic shares outstanding | 467.5 | | 479.3 | 483.5 |
| Diluted shares outstanding | 475.3 | 483.8 | 492.3 | 496.5 |
| | | | | |
| EBITDA | | | | |
| Depreciation and Amortization | 6,281.0 | 8,117.0 | 10,620.6 | 11,645.8 |
| Depreciation and Amortization Adjusted EBITDA | 8,514.0 | 12,310.0 | 13,803.9 | 19,037.2 |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin | | | | |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS | 8,514.0 8.0% | 12,310.0 9.1% | 13,803.9 8.2% | 19,037.2 9.2% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin | 8,514.0 8.0% 33.0% | 12,310.0 9.1% 35.1% | 13,803.9 8.2% 36.7% | 19,037.2 9.2% 37.6% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS | 8,514.0 8.0% | 12,310.0 9.1% | 13,803.9 8.2% | 19,037.2 9.2% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment | 8,514.0 8.0% 33.0% 12.1% | 12,310.0 9.1% 35.1% 12.5% | 13,803.9 8.2% 36.7% 13.0% | 19,037.2 9.2% 37.6% 12.5% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing | 8,514.0 8.0% 33.0% 12.1% 4.7% | 12,310.0 9.1% 35.1% 12.5% 5.1% | 13,803.9 8.2% 36.7% 13.0% 5.4% | 19,037.2 9.2% 37.6% 12.5% 5.0% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% | 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% | 36.7% 13.0% 5.4% 11.8% 1.8% 1.9% | 37.6% 12.5% 5.0% 11.7% 1.7% 3.6% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin Tax rate | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% 60.7% | 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% 36.5% | 13,803.9 8.2% 36.7% 13.0% 5.4% 11.8% 1.8% 1.9% 39.7% | 37.6% 12.5% 5.0% 11.7% 1.7% 3.6% 35.0% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin Tax rate Pro forma net margin | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% | 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% | 36.7% 13.0% 5.4% 11.8% 1.8% 1.9% | 37.6% 12.5% 5.0% 11.7% 1.7% 3.6% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin Tax rate Pro forma net margin YEAR OVER YEAR GROWTH | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% 60.7% 0.2% | 12,310.0 9.1% 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% 36.5% 3.3% | 13,803.9 8.2% 36.7% 13.0% 5.4% 11.8% 1.8% 1.9% 39.7% 3.1% | 19,037.2 9.2% 37.6% 12.5% 5.0% 11.7% 3.6% 35.0% 3.9% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% 60.7% 0.2% | 12,310.0 9.1% 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% 36.5% 3.3% | 13,803.9 8.2% 36.7% 13.0% 5.4% 11.8% 1.9% 39.7% 3.1% | 19,037.2 9.2% 37.6% 12.5% 5.0% 11.7% 3.6% 35.0% 3.9% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% 60.7% 0.2% | 12,310.0 9.1% 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% 36.5% 3.3% 27.1% 35.0% | 13,803.9 8.2% 36.7% 13.0% 5.4% 11.8% 1.9% 39.7% 3.1% | 19,037.2 9.2% 37.6% 12.5% 5.0% 11.7% 3.6% 35.0% 3.9% 22.5% 25.6% |
| Depreciation and Amortization Adjusted EBITDA Adjusted EBITDA Margin MARGIN ANALYSIS Gross margin Fulfillment Marketing Technology and content General and administrative Operating margin Tax rate Pro forma net margin YEAR OVER YEAR GROWTH Revenues Gross profit Fulfillment | 8,514.0 8.0% 33.0% 12.1% 4.7% 10.6% 1.4% 2.1% 60.7% 0.2% 20.2% 34.8% 24.4% | 12,310.0 9.1% 35.1% 12.5% 5.1% 10.6% 1.6% 3.1% 36.5% 3.3% 27.1% 35.0% 31.2% | 13,803.9 8.2% 36.7% 13.0% 5.4% 11.8% 1.9% 39.7% 3.1% 24.2% 29.8% 29.4% | 19,037.2 9.2% 37.6% 12.5% 5.0% 11.7% 3.6% 35.0% 3.9% 22.5% 25.6% 17.9% |
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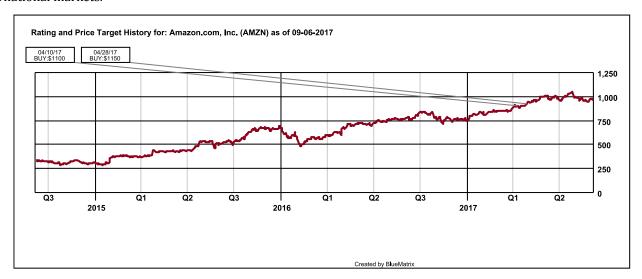


Valuation (Price Target: \$1,150.00)

• Our price target of \$1,150 is based on the sum-of-the-parts analysis, which evaluates North America and International segments using EV/Revenue multiple, and AWS segment using EV/EBITDA multiple. Our price target is also below 7.9x FY18 Sales multiple of its large-cap peers.

Risks to Target

Risks to attaining our share price target include, but are not limited to: 1) a decline in discretionary consumer spending, 2) slow adoption of Prime membership internationally, 3) increased e-commerce competition both domestically and internationally, 4) slowdown of revenue and operating margin growth of AWS due to competition and continued pricing cuts, 5) lack of traction in new products, such as groceries and home services, and 6) potential regulatory changes and uncertainties particularly in international markets.



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ANALYST CERTIFICATION

I, Kerry Rice hereby certify that the views expressed in this research report accurately reflect my personal views about the subject company (ies) and its (their) securities. I, also certify that I, have not been, and will not be receiving direct or indirect compensation in exchange for expressing the specific recommendation(s) in this report.

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| | % of companies under coverage with this rating | % for which investment banking services have been provided for in the past 12 months |
|------------------|---|--|
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| Buy | 65 | 17 |
| Hold | 25 | 5 |
| Underperform | 1 | 0 |
| Rating Suspended | <1 | 0 |
| Restricted | <1 | 0 |

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