

## Wabtec Corporation(WAB)

**\$67.09** (As of 08/28/20)

Price Target (6-12 Months): **\$71.00**

Long Term: 6-12 Months

**Zacks Recommendation:**

**Neutral**

(Since: 04/23/19)

Prior Recommendation: Underperform

Short Term: 1-3 Months

**Zacks Rank:** (1-5)

**3-Hold**

Zacks Style Scores:

VGM:B

Value: B

Growth: B

Momentum: F

## Summary

Shares of Wabtec have declined more than 9% since the beginning of February due to the impact of coronavirus on its operations. The company's second-quarter performance was worse than the first as the entire three-month period was impacted by the pandemic. Coronavirus-related disruptions resulted in Wabtec's sales declining 22.3% in the second quarter of 2020. Deterioration in operating ratio is another concern. Amid adversities, the GE Transportation merger and impressive performance in Digital Electronics are aiding Wabtec's top line. The company's acquisition of RELCO Locomotives is also a plus. The buyout increases Wabtec's freight services capabilities and capacity. Its commitment to reward shareholders despite challenges is also noteworthy. The company's sound liquidity position adds to the positivity.

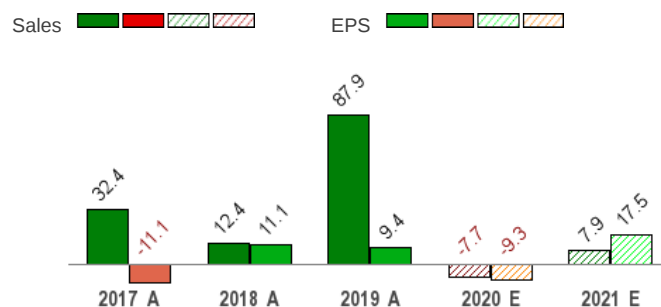
## Price, Consensus & Surprise



## Data Overview

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| 52-Week High-Low               | <b>\$81.75 - \$35.07</b>                      |
| 20-Day Average Volume (Shares) | <b>1,139,631</b>                              |
| Market Cap                     | <b>\$12.8 B</b>                               |
| Year-To-Date Price Change      | <b>-13.8%</b>                                 |
| Beta                           | <b>1.51</b>                                   |
| Dividend / Dividend Yield      | <b>\$0.48 / 0.7%</b>                          |
| Industry                       | <b>Transportation - Equipment and Leasing</b> |
| Zacks Industry Rank            | <b>Bottom 49% (128 out of 252)</b>            |

## Sales and EPS Growth Rates (Y/Y %)



|                               |              |
|-------------------------------|--------------|
| Last EPS Surprise             | <b>13.0%</b> |
| Last Sales Surprise           | <b>-4.0%</b> |
| EPS F1 Estimate 4-Week Change | <b>-1.4%</b> |
| Expected Report Date          | <b>NA</b>    |
| Earnings ESP                  | <b>-0.9%</b> |
| P/E TTM                       | <b>17.2</b>  |
| P/E F1                        | <b>17.8</b>  |
| PEG F1                        | <b>1.4</b>   |
| P/S TTM                       | <b>1.6</b>   |

## Sales Estimates (millions of \$)

|      | Q1      | Q2      | Q3      | Q4      | Annual* |
|------|---------|---------|---------|---------|---------|
| 2021 | 2,016 E | 1,966 E | 1,956 E | 2,133 E | 8,172 E |
| 2020 | 1,930 A | 1,737 A | 1,822 E | 2,113 E | 7,572 E |
| 2019 | 1,594 A | 2,236 A | 2,002 A | 2,368 A | 8,200 A |

## EPS Estimates

|      | Q1       | Q2       | Q3       | Q4       | Annual*  |
|------|----------|----------|----------|----------|----------|
| 2021 | \$1.08 E | \$1.10 E | \$1.08 E | \$1.30 E | \$4.44 E |
| 2020 | \$0.97 A | \$0.87 A | \$0.90 E | \$1.09 E | \$3.78 E |
| 2019 | \$1.06 A | \$1.06 A | \$1.03 A | \$1.04 A | \$4.17 A |

\*Quarterly figures may not add up to annual.

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 08/28/2020. The reports text is as of 08/31/2020.

## Overview

Westinghouse Air Brake Technologies Corporation is a provider of locomotives, value-added, technology-based equipment, systems and services to the freight rail and passenger transit industries across the globe.

The company operates under the name of Wabtec Corporation and is currently based in Wilmerding, PA. Wabtec, which went public on the NYSE in 1995, operates in more than 50 countries.

In February 2019, Wabtec completed the previously announced merger with GE Transportation, a business unit of GE. The combined company has an expanded product portfolio and a larger customer base. It focuses on innovation. Following the completion of the merger with GE Transportation in February 2019, Wabtec was included in the coveted S&P 500 index.

In January 2020, Wabtec acquired RELCO Locomotives to fortify its market capabilities

The company operates under two business segments, namely **Transit** and **Freight** segments

The Transit segment (65% of 2019 revenues) manufactures and provides aftermarket parts and services for new locomotives. Through the segment, the company also provides components for new and existing locomotives and freight cars.

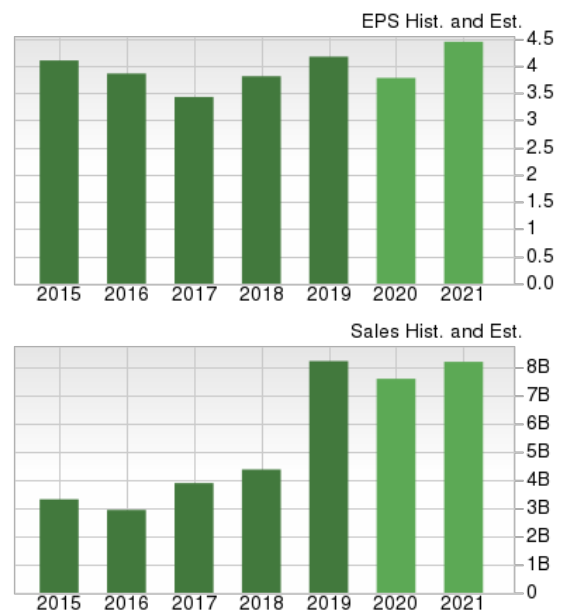
Following the completion of the GE Transportation acquisition, Wabtec, through this segment, has become the largest global manufacturer of diesel-electric locomotives for freight railroads

In 2019, 55% of segmental sales came from the United States. Additionally, roughly 60% of the segment's sales are in the aftermarket. The balance comes from the original equipment market.

The Freight segment (35%) focuses on manufacturing and offering aftermarket parts and services for new locomotives. The segment also provides components for new and existing locomotives and freight cars. Other functions include building new commuter locomotives and supplying rail control and infrastructure products.

In 2019, 15% of segmental net sales came from the United States. Roughly, 50% of the segmental net sales were in the aftermarket with the other half being generated in the original equipment market.

The company's financial year coincides with the calendar year.



Source: Zacks Investment Research

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## Reasons To Buy:

- ▲ In February 2019, Wabtec completed the previously announced merger with GE Transportation, a business unit of GE. The combined company has an expanded product portfolio and a larger customer base. Inclusion of GE Transportation products helped the company's sales increase significantly in 2019. The company hopes to achieve net synergy benefit of more than \$150 million in the coronavirus-ravaged 2020 owing to cost-cutting measures and synergies from the above merger. Apart from the GE Transportation merger, impressive performance by Digital Electronics (sales up double digits in the first half of 2020) and the Transit segment should help the company partly mitigate coronavirus-related woes.
- ▲ Wabtec has taken other steps to expand its product portfolio. To this end, in January 2020, Wabtec acquired RELCO Locomotives, an established name in the locomotive leasing, rebuilding and repairing industry. The transaction valued at \$29 million on cash-free and debt-free basis, increases Wabtec's freight services capabilities and capacity, thereby driving growth in the remanufacturing and repair business. The buyout is accretive in the first year itself. Moreover, in 2018, it acquired Annax and Lynxrail.
- ▲ The company's liquidity position is improving. At the end of the June quarter, total liquidity was \$1.9 billion (\$588 million in cash and cash equivalents and \$1.3 billion available under current credit facilities), up 58.2% sequentially. Moreover, total net debt is down about \$282 million. We are also impressed by the company's commitment to reward shareholders despite adversities emanating from the global health peril.

Amid coronavirus-related adversities, the GE Transportation merger is aiding the company's top line. The buyout of RELCO Locomotives to fortify market capabilities is an added positive.

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## Reasons To Sell:

- ▼ In second-quarter 2020, total sales declined 22.3% year over year to \$1,737.4 million due to lower sales in Freight Equipment, Services, Components and Transit sales as well as unfavorable changes in foreign currency translations. Due to the decline in sales, operating ratio deteriorated in second-quarter 2020. In fact due to lower sales and coronavirus-induced disruptions adjusted operating income declined 32% in the June quarter.
- ▼ Within the freight segment, weak global macroeconomic conditions stemming from coronavirus-related woes, are affecting North American and intermodal carload volumes. The company expects this headwind to hurt near-term demand for services and components. Meanwhile, in the transit segment, COVID-19 is affecting the company's passenger transportation and near-term service levels in some markets. The adversity is likely to hurt Wabtec's aftermarket sales in the short term.
- ▼ Owing to the health peril-induced disruptions, both segments performed dismally in second-quarter 2020. At the Transit segment, net sales fell 25% to \$533 million. Results were hurt by organic sales decline of \$160 million and unfavorable currency translations. The coronavirus-induced lower original equipment and aftermarket sales also hurt segmental numbers. Freight net sales declined 21% to \$1,204.7 million due to organic sales fall and adverse foreign currency movements. With the health peril showing no sign of subsiding, sales are likely to be hurt in the remaining quarters of 2020 too, thereby denting the company's growth.

Coronavirus-related disruptions resulted in Wabtec's sales declining 22.3% in the second quarter of 2020.

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## Last Earnings Report

### Wabtec's Q2 Earnings Surpass Estimates

Wabtec reported second-quarter 2020 earnings (excluding 41 cents from non-recurring items) of 87 cents per share. The figure surpassed the Zacks Consensus Estimate of 77 cents. However, the bottom line declined 17.9% year over year.

Total sales declined 22.3% year over year to \$1,737.4 million and missed the Zacks Consensus Estimate of \$1,808.8 million. This year-over-year decline was caused by lower sales in Freight Equipment, Services, Components and Transit sales as well as unfavorable changes in foreign currency translations.

Total operating expenses in the reported quarter dropped 21% to \$327.3 million, with 25.5% reduction in selling, general and administrative expenses. Also, the operating ratio (operating expenses as a percentage of revenues) deteriorated to 18.8% from 18.5% in the prior-year quarter owing to lower revenues. Notably, lower the value of the metric the better.

### Segmental Highlights

At the Transit segment, net sales fell 25% to \$533 million. Results were hurt by organic sales decline of \$160 million and unfavorable currency translations. The coronavirus-induced lower original equipment and aftermarket sales also hurt segmental numbers. Segmental operating margin (income from operations as a percentage of sales) declined to 7.5% from 8.8% in the year-ago quarter.

Freight net sales declined 21% to \$1,204.7 million due to organic sales fall and adverse foreign currency movements. Segmental results were boosted by sales from acquisitions worth \$19 million. Segmental operating margin improved to 11.7% from 11% in the year-ago quarter.

### Balance Sheet Data

As of Jun 30, Wabtec had \$587.9 million in cash and cash equivalents compared with \$604.2 million at the end of 2019. Long-term debt at the end of the quarter was \$3,768.7 million compared with \$4,333.6 million at 2019 end.

### Mixed 2020 Guidance

For the current year, sales are anticipated range of \$7.3 - \$7.6 billion. Meanwhile, adjusted earnings per share are forecast in the band of \$3.50-\$3.80. Moreover, the company hopes to achieve net synergy benefit of more than \$150 million in the current year owing to cost-cutting measures and synergies from its merger with GE Transportation. Further, Wabtec expects cash flow conversions to be greater than 90%.

| Quarter Ending   | 06/2020      |
|------------------|--------------|
| Report Date      | Jul 28, 2020 |
| Sales Surprise   | -3.95%       |
| EPS Surprise     | 12.99%       |
| Quarterly EPS    | 0.87         |
| Annual EPS (TTM) | 3.91         |

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## Recent News

### New Appointment — Aug 26, 2020

Wabtec appointed the hugely-experienced Eric Gebhardt as Executive Vice President and Chief Technology Officer, effective Sep 14, 2020.

### Dividend Update — Jul 29, 2020

Wabtec's board approved a quarterly cash dividend of 12 cents per share, payable to shareholders on Aug 28, 2020, of record as of Aug 14.

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## Valuation

Wabtec shares are down 13.8% and 3% in the year-to-date period and over the trailing 12-month period respectively. Stocks in the Zacks sub-industry are down 15.5% while those in the Zacks Transportation sector are up 1.5% in the year-to-date period. Over the past year, the Zacks sub-industry are down 3% while those in the sector are up 8.6%.

The S&P 500 Index is up 9% and 20.3% in the year-to-date period and in the past year respectively.

The stock is currently trading at 15.9X forward 12-month price to earnings, which compares to 15.16X for the Zacks sub-industry, 29.28X for the Zacks sector and 23.49X for the S&P 500 index.

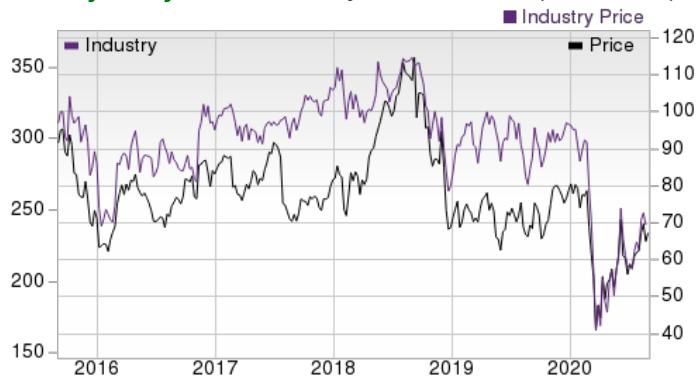
Over the past five years, the stock has traded as high as 26.51X and as low as 8.58X, with a 5-year median of 17.73X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$71 price target reflects 16.86X forward 12-month earnings.

The table below shows summary valuation data for WAB

| Valuation Multiples - WAB |               |       |              |        |         |
|---------------------------|---------------|-------|--------------|--------|---------|
|                           |               | Stock | Sub-Industry | Sector | S&P 500 |
| P/E F12M                  | Current       | 15.9  | 15.16        | 29.28  | 23.49   |
|                           | 5-Year High   | 26.51 | 16.77        | 31.59  | 23.49   |
|                           | 5-Year Low    | 8.58  | 8.63         | 10.49  | 15.25   |
|                           | 5-Year Median | 17.73 | 12.44        | 13.5   | 17.58   |
| EV/EBITDA TTM             | Current       | 11.58 | 8.88         | 9.98   | 13.29   |
|                           | 5-Year High   | 22.37 | 14.38        | 11.09  | 13.29   |
|                           | 5-Year Low    | 10.02 | 5.6          | 5.18   | 8.22    |
|                           | 5-Year Median | 14.95 | 9.62         | 7.24   | 10.91   |
| P/S F 12M                 | Current       | 0.85  | 1.77         | 1.38   | 3.82    |
|                           | 5-Year High   | 0.87  | 2.28         | 1.41   | 3.82    |
|                           | 5-Year Low    | 0.2   | 0.61         | 0.85   | 2.53    |
|                           | 5-Year Median | 0.72  | 1.5          | 1.2    | 3.05    |

As of 08/28/2020

## Industry Analysis Zacks Industry Rank: Bottom 49% (128 out of 252)



Source: Zacks Investment Research

## Top Peers

| Company (Ticker)                     | Rec          | Rank |
|--------------------------------------|--------------|------|
| CAI International, Inc. (CAI)        | Outperform   | 1    |
| Air Lease Corporation (AL)           | Neutral      | 3    |
| Avis Budget Group, Inc. (CAR)        | Neutral      | 4    |
| GATX Corporation (GATX)              | Neutral      | 3    |
| Greenbrier Companies, Inc. The (GBX) | Neutral      | 3    |
| Herc Holdings Inc. (HRI)             | Neutral      | 3    |
| Freightcar America, Inc. (RAIL)      | Neutral      | 3    |
| Trinity Industries, Inc. (TRN)       | Underperform | 4    |

The positions listed should not be deemed a recommendation to buy, hold or sell.

| Industry Comparison Industry: Transportation - Equipment And Leasing |           |            |           | Industry Peers |          |              |
|----------------------------------------------------------------------|-----------|------------|-----------|----------------|----------|--------------|
|                                                                      | WAB       | X Industry | S&P 500   | GATX           | GBX      | TRN          |
| Zacks Recommendation (Long Term)                                     | Neutral   | -          | -         | Neutral        | Neutral  | Underperform |
| Zacks Rank (Short Term)                                              | 3         | -          | -         | 3              | 3        | 4            |
| VGM Score                                                            | B         | -          | -         | B              | A        | C            |
| Market Cap                                                           | 12.77 B   | 1.07 B     | 23.71 B   | 2.39 B         | 902.55 M | 2.48 B       |
| # of Analysts                                                        | 7         | 2          | 14        | 2              | 4        | 3            |
| Dividend Yield                                                       | 0.72%     | 0.00%      | 1.63%     | 2.82%          | 3.91%    | 3.64%        |
| Value Score                                                          | B         | -          | -         | A              | A        | B            |
| Cash/Price                                                           | 0.05      | 0.28       | 0.07      | 0.22           | 0.84     | 0.07         |
| EV/EBITDA                                                            | 16.19     | 6.92       | 13.37     | 10.31          | 3.42     | 10.12        |
| PEG F1                                                               | 1.41      | 2.51       | 3.08      | NA             | 1.94     | NA           |
| P/B                                                                  | 1.29      | 1.04       | 3.22      | 1.27           | 0.61     | 1.15         |
| P/CF                                                                 | 12.12     | 2.71       | 12.90     | 4.40           | 4.63     | 5.75         |
| P/E F1                                                               | 17.61     | 17.75      | 21.82     | 18.07          | 13.55    | 72.77        |
| P/S TTM                                                              | 1.59      | 0.99       | 2.52      | 1.80           | 0.29     | 0.89         |
| Earnings Yield                                                       | 5.63%     | 5.54%      | 4.41%     | 5.54%          | 7.39%    | 1.39%        |
| Debt/Equity                                                          | 0.38      | 2.49       | 0.74      | 2.91           | 0.55     | 2.23         |
| Cash Flow (\$/share)                                                 | 5.54      | 10.88      | 6.94      | 15.49          | 5.96     | 3.63         |
| Growth Score                                                         | B         | -          | -         | D              | A        | D            |
| Historical EPS Growth (3-5 Years)                                    | 0.20%     | -3.62%     | 10.41%    | -3.62%         | -18.12%  | -27.81%      |
| Projected EPS Growth (F1/F0)                                         | -9.39%    | -27.54%    | -4.94%    | -31.49%        | -29.01%  | -77.25%      |
| Current Cash Flow Growth                                             | 122.27%   | 18.20%     | 5.22%     | 1.08%          | -8.90%   | 18.84%       |
| Historical Cash Flow Growth (3-5 Years)                              | 20.78%    | 6.12%      | 8.50%     | 2.02%          | 6.72%    | -13.56%      |
| Current Ratio                                                        | 1.14      | 1.45       | 1.35      | 4.28           | 1.86     | 2.47         |
| Debt/Capital                                                         | 27.61%    | 71.38%     | 43.86%    | 74.43%         | 36.33%   | 69.07%       |
| Net Margin                                                           | 5.29%     | 8.55%      | 10.25%    | 14.12%         | 2.74%    | 0.91%        |
| Return on Equity                                                     | 7.60%     | 9.66%      | 14.66%    | 9.66%          | 7.06%    | 4.68%        |
| Sales/Assets                                                         | 0.43      | 0.29       | 0.50      | 0.16           | 1.01     | 0.32         |
| Projected Sales Growth (F1/F0)                                       | -7.66%    | -6.08%     | -1.43%    | 0.00%          | -10.00%  | -33.02%      |
| Momentum Score                                                       | F         | -          | -         | D              | A        | D            |
| Daily Price Change                                                   | 1.30%     | 0.84%      | 0.71%     | 0.87%          | 0.51%    | -0.05%       |
| 1-Week Price Change                                                  | -6.80%    | -3.94%     | -1.45%    | -3.52%         | -5.55%   | -3.94%       |
| 4-Week Price Change                                                  | 6.34%     | 11.48%     | 4.59%     | 12.17%         | 2.26%    | 6.00%        |
| 12-Week Price Change                                                 | -0.43%    | 4.71%      | 4.86%     | 1.90%          | 7.31%    | -7.00%       |
| 52-Week Price Change                                                 | -0.68%    | -0.68%     | 3.09%     | -7.70%         | 19.58%   | 20.79%       |
| 20-Day Average Volume (Shares)                                       | 1,139,631 | 180,234    | 1,887,168 | 180,234        | 330,954  | 675,535      |
| EPS F1 Estimate 1-Week Change                                        | 0.00%     | 0.00%      | 0.00%     | 0.00%          | 0.00%    | 0.00%        |
| EPS F1 Estimate 4-Week Change                                        | -1.43%    | 0.00%      | 0.79%     | 3.42%          | 22.74%   | -23.89%      |
| EPS F1 Estimate 12-Week Change                                       | 7.60%     | 1.30%      | 3.43%     | -7.93%         | 99.75%   | -41.50%      |
| EPS Q1 Estimate Monthly Change                                       | -3.35%    | 0.00%      | 0.00%     | 0.00%          | 0.00%    | 12.50%       |

Source: Zacks Investment Research

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## Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

|                |          |
|----------------|----------|
| Value Score    | <b>B</b> |
| Growth Score   | <b>B</b> |
| Momentum Score | <b>F</b> |
| VGM Score      | <b>B</b> |

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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## Disclosures

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**Returns quoted represent past performance which is no guarantee of future results.** Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

## Glossary of Terms and Definitions

**52-Week High-Low:** The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

**20-Day Average Volume (Shares):** The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

**Daily Price Change:** This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

**1-Week Price Change:** This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

**4-Week Price Change:** This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

**12-Week Price Change:** This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

**52-Week Price Change:** This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

**Market Cap:** The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

**Year-To-Date Price Change:** Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

**# of Analysts:** Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

**Beta:** A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

**Dividend:** The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

**Dividend Yield:** The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

**S&P 500 Index:** The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

**Industry:** One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

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**Zacks Industry Rank:** The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

**Last EPS Surprise:** The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

**Last Sales Surprise:** The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

**Expected Report Date:** This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

**Earnings ESP:** The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

**Periods:**

**TTM:** Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

**F1:** Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

**F2:** Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

**F12M:** Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

**P/E Ratio:** The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

**PEG Ratio:** The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

**P/S Ratio:** The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

**Cash/Price Ratio:** The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

**EV/EBITDA Ratio:** The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

**EV/Sales Ratio:** The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

**EV/CF Ratio:** The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

**EV/FCF Ratio:** The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

**P/EBITDA Ratio:** The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

**P/B Ratio:** The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

**P/TB Ratio:** The price-to-tangible-book value ratio is calculated as the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

**P/CF Ratio:** The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

**P/FCF Ratio:** The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

**Earnings Yield:** The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ( $3/35 = 0.0857$ ) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

**Debt/Equity Ratio:** The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

**Cash Flow (\$/share):** Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

**Current Ratio:** The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

**Debt/Capital Ratio:** Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

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**Net Margin:** Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

**Return on Equity:** Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

**Sales/Assets Ratio:** The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

**Historical EPS Growth (3-5 Years):** This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

**Projected EPS Growth (F1/F0):** This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

**Current Cash Flow Growth:** It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

**Historical Cash Flow Growth (3-5 Years):** This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

**Projected Sales Growth (F1/F0):** This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

**EPS F1 Estimate 1-Week Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

**EPS F1 Estimate 4-Week Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

**EPS F1 Estimate 12-Week Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

**EPS Q1 Estimate Monthly Change:** The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.