

Norfolk Southern(NSC)

\$256.44 (As of 01/12/21)

Price Target (6-12 Months): **\$269.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 12/02/19)

Prior Recommendation: Underperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:C

Value: C

Growth: D

Momentum: C

Summary

We expect Norfolk Southern's fourth-quarter 2020 results (scheduled to be out on Jan 27) to be hurt by tepid volumes as was the case in the first three quarters of 2020. Notably, overall volumes were down 7% in the first nine months of 2020. Weakness in key units like coal and intermodal is likely to have dented the company's volumes in the December quarter. Due to volume woes, fourth-quarter revenues are likely to have declined. However, reduced costs, courtesy of the precision scheduled railroading model, might have aided the bottom line. Moreover, akin to the first three quarters, the company is likely to have generated impressive free cash flow in the to-be-reported quarter. Notably, free cash flow increased 14% through September-end. Strong free cash flow generation by Norfolk Southern supports its shareholder-friendly activities.

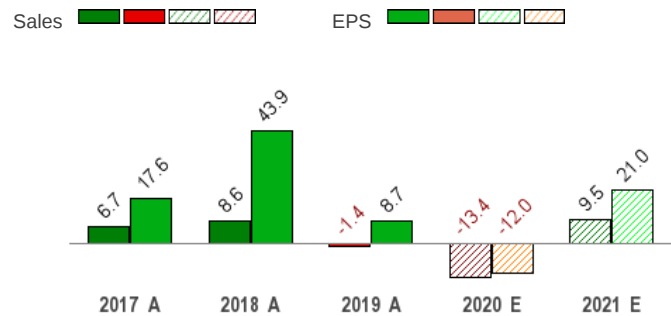
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$257.86 - \$112.62
20-Day Average Volume (Shares)	980,042
Market Cap	\$70.3 B
Year-To-Date Price Change	7.9%
Beta	1.38
Dividend / Dividend Yield	\$3.76 / 1.5%
Industry	Transportation - Rail
Zacks Industry Rank	Bottom 49% (128 out of 253)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	6.4%
Last Sales Surprise	-0.8%
EPS F1 Estimate 4-Week Change	-0.3%
Expected Report Date	01/27/2021
Earnings ESP	-0.4%
P/E TTM	28.0
P/E F1	23.3
PEG F1	1.9
P/S TTM	7.1

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021	2,605 E	2,663 E	2,722 E	2,718 E	10,705 E
2020	2,625 A	2,085 A	2,506 A	2,569 E	9,779 E
2019	2,840 A	2,925 A	2,841 A	2,690 A	11,296 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$2.54 E	\$2.69 E	\$2.74 E	\$2.73 E	\$11.01 E
2020	\$2.58 A	\$1.53 A	\$2.51 A	\$2.47 E	\$9.10 E
2019	\$2.51 A	\$2.70 A	\$2.58 A	\$2.55 A	\$10.34 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 01/12/2021. The reports text is as of 01/13/2021.

Overview

Norfolk Southern Corporation, incorporated on Jul 23, 1980, under the laws of the Commonwealth of Virginia, controls a major freight railroad, Norfolk Southern Railway Company. The company is primarily engaged in the rail transportation of raw material, intermediate products and finished goods, primarily in Southeast, East and Midwest United States and, via interchange with rail carriers to and from the rest of country.

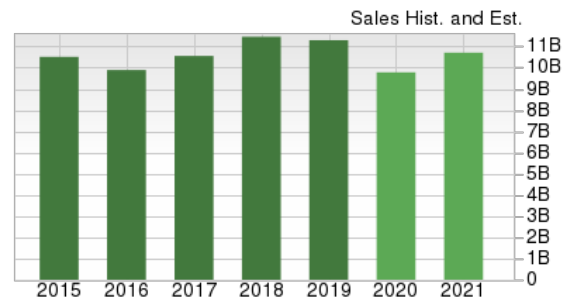
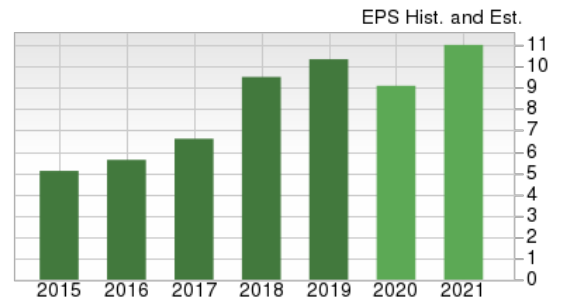
Norfolk Southern also transports overseas freight through several Atlantic and Gulf Coast ports. Norfolk Southern provides comprehensive logistics services and offers the most extensive intermodal network on the eastern side of the United States.

The company's fiscal year coincides with the calendar year. At 2019-end, the company was responsible for operating approximately 19,500 route miles in 22 states and the District of Columbia.

The company, currently headquartered in Norfolk, VA, announced in December 2018, that it will shift headquarters to Atlanta. The move is likely to be completed by Dec 31, 2021.

Norfolk Southern derives freight revenues from transporting coal, general merchandise and intermodal (truck, rail and ship) containers:

- **Coal** business includes transportation of utility coal, export coal and domestic metallurgical coal from mines to electricity generating plants. The sector accounted for 14.8% of 2019 revenues.
- **General Merchandise** business includes transportation of automotive, chemicals, metals and construction, agriculture, consumer products, and paper, clay and forest products (lumber and wood). Chemicals include sulfur and related chemicals, petroleum products. Agriculture, consumer products, and government includes soybeans, wheat, corn, fertilizer, livestock. Metals and construction includes steel, aluminum products, machinery, scrap metals, cement, aggregates, sand, and minerals. The sector accounted for 60.2% of the 2019 revenues recorded by the company.
- The **Intermodal** segment is responsible for haulage of international container cargo from steamship companies and truckload carriers. The sector accounted for 25% of the 2019 revenues recorded by the company.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ Although, Norfolk Southern has decided to take a conservative approach to share repurchases going forward due to the coronavirus-related adversities, the fact that the company is still committed to rewarding its shareholders through dividends is noteworthy. In the first nine months of 2020, the company returned \$1,682 million to shareholders through a combination of dividends (\$722 million) and share buybacks (\$960 million). Such shareholder-friendly measures can be attributed to its strong free cash flow generation capabilities. During the first nine months, Norfolk Southern generated free cash flow of \$1.7 billion, up 14% year over year.
- ▲ Norfolk Southern is making constant efforts to streamline its operations by curbing costs. Notably, Norfolk Southern's precision scheduled railroading operating plan, TOP21, aims to enhance efficiency and customer service. Additionally, amid the current scenario of dwindling revenues, low fuel costs (down 45% in the first nine months of 2020) are providing cushion to the bottom-line. Notably, operating expenses declined 16% in the first nine months of 2020. Moreover, adjusted operating ratio was 65.3% in the first nine months of 2020. The company aims at an operating ratio of 60% for 2021.
- ▲ The company's liquidity position is encouraging. The company exited the third quarter of 2020 with cash and cash equivalents of \$1,359 million, higher than the current debt figure of \$89 million. This implies that it has enough cash to meet its current debt obligations. Additionally, its current ratio (a measure of liquidity) at the end of the September quarter stood at 1.29, higher than the June quarter's reading of 1.21.

We are impressed by the company's focus on rewarding shareholders despite adversities.

Reasons To Sell:

- ▼ Apart from the coronavirus-related headwind, coal segment weakness due to low natural gas prices and unfavorable weather conditions is worrisome. Continued low natural gas prices and unfavorable crude oil spreads are denting its energy markets. The company anticipates geopolitical tensions as well as coronavirus to continue to hurt export coal.
- ▼ The company has been hit by the coronavirus outbreak primarily since February. Notably, overall volumes declined 7% in the first nine months of 2020 with volumes declining 15%, 9% and 41%, in the three reportable segments, merchandise, intermodal and coal, respectively. Notably, revenues declined at all three segments due to volume weakness in the current coronavirus-ravaged scenario. Declining revenues at the key segments due to dismal volumes are likely dent fourth-quarter 2020 performance as well.
- ▼ Norfolk Southern's return on equity (ROE) undercuts its growth potential. The company's ROE of 15.8% compares unfavorably to its industry's 24.1%. The company's reading is also lower than the S&P 500 Index's (of which Norfolk Southern is a key member) 19.7%.

Low volumes due to coronavirus are anticipated to dent the company's performance in the fourth quarter.

Last Earnings Report

Earnings Beat at Norfolk Southern in Q3

Norfolk Southern's earnings (excluding 29 cents from non-recurring items) of \$2.51 per share surpassed the Zacks Consensus Estimate of \$2.36. However, the bottom line decreased 2.7% on a year-over-year basis.

Railway operating revenues in the quarter under review came in at \$2,506 million, falling short of the Zacks Consensus Estimate of \$2,525.8 million. Moreover, the top line declined 11.8% year over year due to 7% drop in total volumes and 5% decline in revenue per unit as a result of the economic slowdown caused by coronavirus.

Income from railway operations (adjusted) dropped 6% year over year to \$939 million. Adjusted operating expenses declined 15% on a year-over-year basis to \$1,567 million, thanks to low fuel, compensation and benefits, and purchased-services expenses. Norfolk Southern's adjusted operating ratio (operating expenses as a percentage of revenues) in the third quarter improved to 62.5% from 64.9% in the year-ago period. With respect to this metric, lower the value, the better.

Segmental Performance

On a year-over-year basis, coal revenues totaled \$250 million, down 38% year over year. Coal volumes contracted 32%. Revenue per unit also declined 8% in the reported quarter.

Merchandise revenues declined 10% to \$1,556 million and volumes fell 11%. Revenue per unit improved 1% for the segment.

Intermodal revenues dipped 1% year over year to \$700 million. While segmental volumes inched up 1%, revenue per unit slipped 2% on a year-over-year basis.

Liquidity & Share Buyback

The company exited the third quarter with cash and cash equivalents of \$1,359 million compared with \$580 million at the end of 2019. The company had long-term debt of \$12,634 million at the end of the reported quarter compared with \$11,880 million at 2019-end.

During the first nine months of 2020, Norfolk Southern repurchased 1.4 million shares at a cost of \$300 million.

Quarter Ending	09/2020
Report Date	Oct 28, 2020
Sales Surprise	-0.78%
EPS Surprise	6.36%
Quarterly EPS	2.51
Annual EPS (TTM)	9.17

Valuation

Norfolk Southern shares are up 44.1% and 28.1% in the six-month period and over the trailing 12-month period, respectively. Stocks in the Zacks sub-industry are up 32.5% and those in the Zacks Transportation sector are up 35.1% in the past six months. Over the past year, the Zacks sub-industry is up 26.2% and the sector is up 14.2%.

The S&P 500 index is up 19.6% and 17.6% in the past six-month period and in the past year respectively.

The stock is currently trading at 23.18X forward 12-month price-to-earnings, which compares to 23.03X for the Zacks sub-industry, 24.32X for the Zacks sector and 23.16X for the S&P 500 Index.

Over the past five years, the stock has traded as high as 23.18X and as low as 10.63X, with a 5-year median of 17.35X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$269 price target reflects 24.31X forward 12-month earnings.

The table below shows summary valuation data for NSC

Valuation Multiples - NSC					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	23.18	23.03	24.32	23.16
	5-Year High	23.18	23.03	32.68	23.79
	5-Year Low	10.63	13.82	10.55	15.3
	5-Year Median	17.35	17.83	14.41	17.83
EV/EBITDA TTM	Current	18.18	18.89	14.3	17.23
	5-Year High	48.23	31.17	14.35	17.37
	5-Year Low	7.27	8.14	5.19	9.55
	5-Year Median	11.58	13.4	7.37	13.22
P/S F12M	Current	6.56	7.59	1.53	4.52
	5-Year High	6.56	7.59	1.53	4.52
	5-Year Low	1.91	3.24	0.86	3.2
	5-Year Median	3.77	5.08	1.22	3.68

As of 1/12/2021 Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Bottom 49% (128 out of 253)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec	Rank
Caterpillar Inc. (CAT)	Neutral	3
Central Japan Railway Co. (CJPRY)	Neutral	3
Canadian National Railway Company (CNI)	Neutral	3
Canadian Pacific Railway Limited (CP)	Neutral	3
CSX Corporation (CSX)	Neutral	3
Kansas City Southern (KSU)	Neutral	3
Union Pacific Corporation (UNP)	Neutral	3
WEST JAPAN RAIL (WJRY)	Neutral	3

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

Industry Comparison Industry: Transportation - Rail				Industry Peers		
	NSC	X Industry	S&P 500	CNI	CSX	UNP
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutral
Zacks Rank (Short Term)	3	-	-	3	3	3
VGM Score	C	-	-	C	C	C
Market Cap	70.34 B	24.17 B	26.90 B	81.17 B	73.33 B	147.33 B
# of Analysts	10	7	13	10	9	9
Dividend Yield	1.47%	1.08%	1.41%	1.57%	1.08%	1.77%
Value Score	C	-	-	C	C	C
Cash/Price	0.02	0.04	0.06	0.01	0.04	0.02
EV/EBITDA	15.59	15.50	15.05	15.91	13.52	15.50
PEG F1	1.93	2.87	2.62	3.44	3.09	2.36
P/B	4.36	4.19	3.76	5.59	5.76	8.57
P/CF	17.18	16.10	14.67	18.67	16.03	18.66
P/E F1	23.29	23.49	20.85	23.40	22.43	23.61
P/S TTM	7.10	7.00	3.00	7.93	6.89	7.52
Earnings Yield	4.29%	4.24%	4.69%	4.28%	4.46%	4.24%
Debt/Equity	0.85	1.01	0.70	0.67	1.27	1.52
Cash Flow (\$/share)	14.93	6.11	6.93	6.11	5.98	11.72
Growth Score	D	-	-	D	D	D
Historical EPS Growth (3-5 Years)	18.43%	12.97%	9.72%	5.49%	23.54%	13.93%
Projected EPS Growth (F1/F0)	21.09%	17.44%	12.36%	18.96%	18.46%	16.36%
Current Cash Flow Growth	3.26%	0.86%	5.22%	6.26%	0.86%	-0.27%
Historical Cash Flow Growth (3-5 Years)	5.66%	5.61%	8.37%	3.06%	8.74%	2.78%
Current Ratio	1.29	1.09	1.38	1.05	1.84	1.06
Debt/Capital	45.82%	54.13%	41.97%	40.07%	55.88%	60.26%
Net Margin	20.27%	20.98%	10.44%	24.90%	26.08%	27.40%
Return on Equity	15.83%	17.69%	15.37%	19.55%	22.83%	31.71%
Sales/Assets	0.26	0.31	0.50	0.31	0.27	0.31
Projected Sales Growth (F1/F0)	9.48%	7.99%	6.00%	8.62%	7.99%	8.01%
Momentum Score	C	-	-	A	A	B
Daily Price Change	0.81%	0.70%	0.57%	0.02%	-0.10%	0.59%
1-Week Price Change	6.91%	5.33%	2.23%	5.65%	5.61%	5.09%
4-Week Price Change	11.59%	3.04%	3.70%	3.04%	6.28%	9.16%
12-Week Price Change	18.79%	15.15%	14.39%	1.81%	19.67%	5.74%
52-Week Price Change	27.14%	20.93%	7.96%	21.24%	28.44%	20.93%
20-Day Average Volume (Shares)	980,042	157,298	1,754,762	609,146	3,102,247	2,132,388
EPS F1 Estimate 1-Week Change	0.03%	0.10%	0.00%	0.16%	0.26%	0.79%
EPS F1 Estimate 4-Week Change	-0.27%	0.23%	0.06%	1.27%	0.23%	0.74%
EPS F1 Estimate 12-Week Change	1.99%	1.50%	2.55%	1.97%	1.81%	0.74%
EPS Q1 Estimate Monthly Change	0.73%	3.05%	0.00%	7.72%	1.17%	-0.24%

Source: Zacks Investment Research

Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

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	C
Growth Score	D
Momentum Score	C
VGM Score	C

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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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.

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.

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.