

T. Rowe Price Group (TROW)

\$141.53 (As of 11/17/20)

Price Target (6-12 Months): **\$149.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 09/28/20)

Prior Recommendation: Outperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:B

Value: C

Growth: B

Momentum: B

Summary

Shares of T. Rowe Price have outperformed the industry, year to date. The company has an impressive earnings surprise history, having beaten the Zacks Consensus Estimate in all of the trailing four quarters. The third-quarter 2020 results reflected higher revenues, improved assets under management (AUM) and escalating expenses. The company's strategic initiatives, including investment in technology and advisory services, strengthening distribution platform, introduction of products, will likely stoke long-term growth. Further, organic growth is a key strength, as reflected by its revenue growth. Also, the company is debt free with sufficient liquidity. Nonetheless, rising costs and regulatory pressure across the investment-management industry are key concerns. In addition, overdependence on investment advisory fees is a headwind.

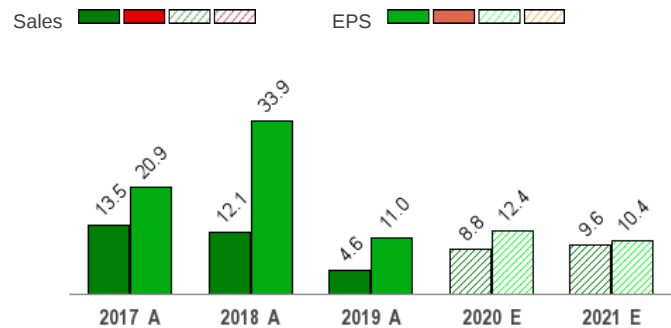
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$148.88 - \$82.51
20-Day Average Volume (Shares)	1,116,966
Market Cap	\$32.0 B
Year-To-Date Price Change	16.2%
Beta	1.15
Dividend / Dividend Yield	\$3.60 / 2.5%
Industry	Financial - Investment Management
Zacks Industry Rank	Top 44% (113 out of 254)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	0.8%
Last Sales Surprise	-0.9%
EPS F1 Estimate 4-Week Change	2.3%
Expected Report Date	02/03/2021
Earnings ESP	-0.4%

P/E TTM	16.2
P/E F1	15.6
PEG F1	1.7
P/S TTM	5.4

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021					6,696 E
2020	1,463 A	1,415 A	1,596 A	1,633 E	6,110 E
2019	1,327 A	1,395 A	1,427 A	1,469 A	5,618 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$2.48 E	\$2.58 E	\$2.67 E	\$2.61 E	\$10.01 E
2020	\$1.87 A	\$2.29 A	\$2.55 A	\$2.43 E	\$9.07 E
2019	\$1.87 A	\$2.03 A	\$2.13 A	\$2.03 A	\$8.07 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 11/17/2020. The reports text is as of 11/18/2020.

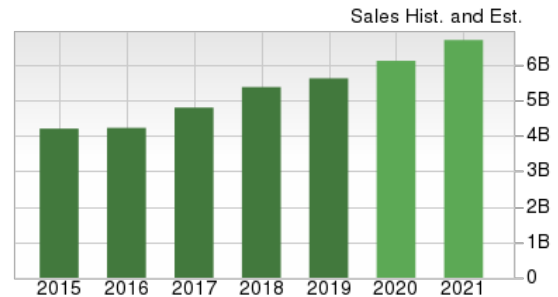
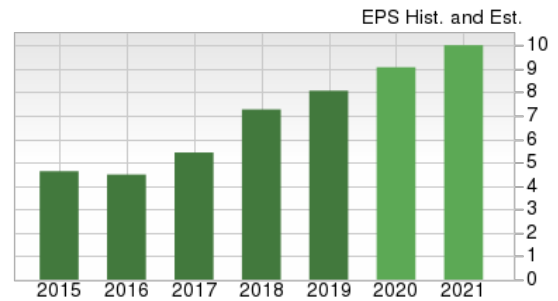
Overview

Founded in 1937 and headquartered in Baltimore, T. Rowe Price Group Inc. is a global investment management organization that provides a broad array of mutual funds, sub-advisory services and separate account management for individual and institutional investors, retirement plans and financial intermediaries. Through its subsidiaries, the company manages separate client-focused equity, fixed income and balanced portfolios along with mutual funds. Its client base includes individual investors, defined contribution retirement plans, institutional investors and third-party distributors, among others. The company operates worldwide from the U.S., England, Argentina, Australia, Hong Kong, Japan and Singapore.

Following are the components of the net revenue:

- The Investment Advisory Services earn fees for managing the investment portfolios that are computed using the value of AUM. As of Sep 30, 2020, non-U.S. investment advisory clients accounted for about 8.7% of the AUM.
- The Administrative Services provides advisory-related administrative services to price funds through its subsidiaries. Overall, it provides mutual fund transfer agency and shareholder services, mutual fund accounting services and participant accounting, plan administration and transfer agent services. Additionally, the company provides trustee services and other non-discretionary advisory planning services to fund shareholders and potential investors.
- The Distribution and Servicing fees represents servicing fees earned from 12b-1 plans of the Advisor, R, and VIP II classes of sponsored mutual funds.

In May 2017, T. Rowe Price, in order to provide additional high yield investment opportunity to its clients and to further strengthen its global fixed income franchise, has acquired a new fund from Henderson Global Investors.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ Organic growth remains a key strength at T. Rowe Price, as reflected by its revenue growth story. Net revenues demonstrated a 7.5% improvement at a CAGR, over the last five years (2015-2019), with the increasing trend continuing in the first nine months of 2020. Additionally, the company remains focused on fortifying business through several planned initiatives largely tied with launching new investment strategies and vehicles, enhancing client engagement capabilities in each distribution channels, strengthening distribution channel in U.S., EMEA, and Asia Pacific and improving its technology platform and derive long-term cost efficiencies.
- ▲ Although the global financial crisis has led to a decline in growth metrics, T. Rowe Price has been able to sustain positive earnings throughout the critical period as it benefits from its diverse business model. The earnings continue to get helped by strong brand, consistent investment track record and strong business volumes. Going forward, the mix shift toward international growth funds is also expected to help increase both revenue and investment management margin of the company. Notably, for the three-year period ended Sep 30, 2020, 69% of the T. Rowe Price mutual funds throughout the share classes outperformed the comparable Lipper averages on a total return basis, while 72% outperformed for the five-year period. In addition, T. Rowe Price stock, bond, and blended asset funds that ended the first quarter, with an overall rating of four or five stars from Morningstar, account for 85% of the AUM in the firm's rated funds.
- ▲ T. Rowe Price's trailing 12-month return on equity (ROE) reflects its superiority in terms of utilizing shareholders' fund. The company's ROE of 30.52% compares favorably with the industry's 12.18%.
- ▲ T. Rowe Price remains debt free with substantial liquidity that includes cash and sponsored portfolio investment holdings of \$6.1 billion, as of Sep 30, 2020. This has aided in strengthening the company's capital leverage and generating a return on earnings that is substantially higher than the industry average. These growth drivers also pave the way for an industry-leading dividend yield, thereby creating ample investor confidence and scope for investment and growth opportunities in the future.
- ▲ T. Rowe Price consistently enhances shareholders' value through strong capital-deployment activities. In February 2020, the company hiked its quarterly common stock dividend by 18.4% to 90 cents per share, marking T. Rowe Price's 34th consecutive annual dividend increase, reflecting the company's commitment to return value to shareholders with its strong cash-generation capabilities. Further, its board of directors increased the common share repurchase authorization by 10 million shares, bringing the total authorization to about 22.4 million shares. Therefore, with debt-free position, these capital-deployment activities seem sustainable for the long term.
- ▲ Shares of T. Rowe Price have outperformed the industry, year to date. Also, the company's 2020 earnings estimates have been revised 2.3% upward, over the last 30 days. Therefore, given the solid fundamentals and positive estimates revision, the stock has upside potential.

Organic growth, steady capital deployment activities and diverse business model remain key strengths. Further, planned strategies and debt-free position should accelerate its business performance.

Reasons To Sell:

- ▼ Elevated operating expenses are a major concern for T. Rowe Price. Expenses escalated at a five-year (2015-2019) CAGR of 8.8%, with the trend continuing in the first nine months of 2020 as well. Moreover, the company incurs significant expenditures to attract new investment advisory clients and additional investments from existing clients. Notably, management projects 2020 non-GAAP operating expenses to be up 4-6%. For 2021, expenses are expected in the range of 6-9%.
- ▼ Investment advisory fees are the biggest source of revenue for T. Rowe Price, comprising about 91% of its net revenue. The increased dependence on these could adversely affect the company's financials in the near term as the changes in AUM owing to market fluctuations and foreign exchange translations, regulatory changes or a sudden slowdown in overall business activities could hurt this revenue source.
- ▼ The stock seems overvalued when compared with the broader industry. Its current price-to-book value and price-earnings (F1) ratios are above the respective industry averages.

T. Rowe Price's bottom line growth continues to suffer from escalating operating costs and stretched valuation. Further, overdependence on investment advisory fees is a concern for the company.

Last Earnings Report

T. Rowe Price Q3 Earnings Beat Estimates, Revenues Up

T. Rowe Price delivered third-quarter 2020 adjusted earnings per share of \$2.55, which outpaced the Zacks Consensus Estimate of \$2.53. The reported figure also climbed 19.7%, year on year.

Results were driven by higher revenues, backed by an upsurge in investment advisory fees. Also, AUM improved. However, escalating expenses were an undermining factor.

Including certain non-recurring items, net income was \$643.2 million or \$2.73 per share compared with the \$545.9 million or \$2.23 per share recorded in the prior-year quarter.

Quarter Ending	09/2020
Report Date	Oct 29, 2020
Sales Surprise	-0.92%
EPS Surprise	0.79%
Quarterly EPS	2.55
Annual EPS (TTM)	8.74

Revenues Improve, Expenses Flare Up

Net revenues in the third quarter increased 11.9% to \$1.6 billion from the year-ago quarter. This upswing primarily resulted from higher investment advisory fees, along with elevated administrative, distribution and servicing fees. The net revenue figure, however, lagged the Zacks Consensus Estimate of \$1.61 billion.

Investment advisory fees climbed 12.7% year over year. Also, administrative, distribution and servicing fees jumped 2.6% year over year to \$126.5 million.

Investment advisory revenues earned from T. Rowe Price mutual funds distributed in the United States were up 6.6% year over year to \$939.5 million. Investment advisory revenues earned from other investment portfolios managed by the company increased 25.4% from the prior-year quarter to \$529.8 million.

Total adjusted operating expenses flared up 8.5% year over year to \$830.5 million in the reported quarter. Rise in salaries and annual bonus accrual, along with continued investments, mainly resulted in this uptick. Including certain one-time items, expenses came in at \$866.9 million, up 12.9%.

As of Sep 30, 2020, T. Rowe Price employed 7,635 associates, 3.7% higher than the prior year.

Assets Grow, Liquidity Position Strong

As of Sep 30, 2020, total AUM grew 16.3% year over year to \$1.31 trillion. During the September-end quarter, net market appreciation and gains were \$94.6 billion, while net cash outflow was \$5.3 billion after client transfers.

T. Rowe Price remains debt free with substantial liquidity, including cash and sponsored portfolio investment holdings of \$6.1 billion as of Sep 30, 2020, which enable the company to keep on investing.

Capital-Deployment Activity

During the reported quarter, T. Rowe Price repurchased 1.1 million shares of its common stock for \$141.9 million.

For 2020, the company projects capital expenditure of \$230 million, comprising more than three-fourth for technology development.

Outlook

The company revised expected non-GAAP operating expense growth to 4-6% from 3-6%. For 2021, expenses are expected in the range of 6-9%.

T. Rowe Price estimates effective tax rate for full-year 2020 on a non-GAAP basis to be in the range of 23% to 25%.

Recent News

T. Rowe Price Sees Sequential Fall in October AUM - Nov 11, 2020

T. Rowe Price has announced preliminary AUM of \$1.3 trillion for October 2020. The figure reflects a marginal decline from the \$1.31 trillion recorded as of Sep 30, 2020. Client transfers from mutual funds to other portfolios, including trusts and separate accounts, were \$1.1 billion this October.

Dividend Update

On Oct 28, T. Rowe Price's board of directors announced quarterly common stock dividend of 90 cents per share. The dividend will be paid on Dec 30, to shareholders of record as of Dec 15, 2020.

Valuation

T. Rowe Price's shares are up 16.2% in the year-to-date period and 18% over the trailing 12-month period. Stocks in the Zacks sub-industry are up 8.6% but down 7.3% in the Zacks Finance sector, in the year-to-date period. Over the past year, the Zacks sub-industry is up 12.1%, while the sector is down 4.5%.

The S&P 500 Index is up 12.9% in the year-to-date period and 16.6% in the past year.

The stock is currently trading at 14.53X forward 12 months earnings, which compares to 13.33X for the Zacks sub-industry, 17.46X for the Zacks sector and 22.78X for the S&P 500 index.

Over the past five years, the stock has traded as high as 19.89X and as low as 10.37X, with a 5-year median of 15.14X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$149 price target reflects 15.3X forward earnings.

The table below shows summary valuation data for TROW

Valuation Multiples - TROW					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	14.53	13.33	17.46	22.78
	5-Year High	19.89	14.39	17.46	23.47
	5-Year Low	10.37	9.74	11.6	15.27
	5-Year Median	15.14	12.47	14.45	17.72
P/TB TTM	Current	5.11	2.44	3.62	15.95
	5-Year High	6.02	3.72	4.04	16.15
	5-Year Low	3.15	1.65	2.04	7.43
	5-Year Median	4.54	3.08	3.52	10.75
P/S F12M	Current	4.92	3.52	6.12	4.25
	5-Year High	5.58	3.8	6.72	4.3
	5-Year Low	3.45	2.36	5.01	3.17
	5-Year Median	4.43	3.08	6.1	3.67

As of 11/17/2020

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Top 44% (113 out of 254)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec	Rank
BlackRock, Inc. (BLK)	Outperform	2
Invesco Ltd. (IVZ)	Outperform	2
Ameriprise Financial, Inc. (AMP)	Neutral	3
Franklin Resources, Inc. (BEN)	Neutral	3
Blackstone Group IncThe (BX)	Neutral	2
KKR & Co. Inc. (KKR)	Neutral	3
Principal Financial Group, Inc. (PFG)	Neutral	3
SEI Investments Company (SEIC)	Neutral	3

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

Industry Comparison Industry: Financial - Investment Management				Industry Peers		
	TROW	X Industry	S&P 500	AMP	BEN	IVZ
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Outperform
Zacks Rank (Short Term)	3	-	-	3	3	2
VGM Score	B	-	-	B	B	D
Market Cap	32.05 B	808.58 M	26.21 B	21.74 B	10.64 B	7.49 B
# of Analysts	7	3	14	2	5	7
Dividend Yield	2.54%	1.72%	1.5%	2.26%	5.03%	3.80%
Value Score	C	-	-	A	A	B
Cash/Price	0.07	0.17	0.06	0.35	0.69	0.19
EV/EBITDA	9.56	7.14	14.53	5.70	2.72	14.68
PEG F1	1.73	1.58	2.80	NA	1.63	1.59
P/B	4.50	1.80	3.60	3.58	0.97	0.72
P/CF	15.27	9.36	13.74	10.16	7.41	5.18
P/E F1	15.63	11.24	22.02	13.25	7.91	9.47
P/S TTM	5.39	2.34	2.85	1.81	1.88	1.20
Earnings Yield	6.41%	8.65%	4.32%	7.54%	12.62%	10.55%
Debt/Equity	0.00	0.08	0.70	0.78	0.13	0.84
Cash Flow (\$/share)	9.27	2.03	6.92	18.13	2.90	3.14
Growth Score	B	-	-	C	D	F
Historical EPS Growth (3-5 Years)	17.22%	6.64%	9.79%	16.82%	-2.81%	-1.59%
Projected EPS Growth (F1/F0)	12.43%	-0.60%	0.36%	-13.66%	3.98%	-32.49%
Current Cash Flow Growth	10.14%	-1.23%	5.39%	-1.33%	-22.73%	24.49%
Historical Cash Flow Growth (3-5 Years)	10.60%	3.83%	8.31%	4.37%	-10.94%	3.83%
Current Ratio	3.52	1.97	1.38	0.80	4.20	1.76
Debt/Capital	15.82%	16.38%	41.97%	43.83%	16.00%	38.35%
Net Margin	35.92%	9.35%	10.41%	15.16%	14.15%	9.78%
Return on Equity	30.52%	12.18%	15.05%	33.79%	12.18%	9.62%
Sales/Assets	0.63	0.35	0.50	0.08	0.37	0.17
Projected Sales Growth (F1/F0)	8.76%	0.00%	0.16%	-7.62%	34.38%	-1.38%
Momentum Score	B	-	-	F	B	D
Daily Price Change	-1.61%	0.29%	-0.35%	-0.94%	0.99%	1.94%
1-Week Price Change	5.00%	4.88%	4.23%	8.89%	5.67%	11.89%
4-Week Price Change	-3.55%	5.52%	6.91%	9.67%	-6.53%	15.69%
12-Week Price Change	4.26%	7.33%	9.73%	17.35%	0.09%	52.34%
52-Week Price Change	16.04%	-0.71%	6.44%	15.86%	-22.54%	-6.96%
20-Day Average Volume (Shares)	1,116,966	127,264	2,205,801	650,896	4,741,354	5,634,041
EPS F1 Estimate 1-Week Change	0.16%	0.00%	0.00%	0.00%	5.28%	0.17%
EPS F1 Estimate 4-Week Change	2.32%	0.75%	1.73%	-17.02%	-4.44%	6.64%
EPS F1 Estimate 12-Week Change	6.76%	5.14%	3.56%	-14.99%	36.04%	10.35%
EPS Q1 Estimate Monthly Change	5.05%	0.63%	0.58%	2.20%	0.63%	13.90%

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	B
Momentum Score	B
VGM Score	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.

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.

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 a 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.