

Sherwin-Williams (SHW)

\$671.05 (As of 08/31/20)

Price Target (6-12 Months): **\$772.00**

Long Term: 6-12 Months

Zacks Recommendation: Outperform

(Since: 07/30/20)

Prior Recommendation: Neutral

Short Term: 1-3 Months

Zacks Rank: (1-5)

2-Buy

Zacks Style Scores:

VGM:C

Value: D

Growth: A

Momentum: D

Summary

Earnings estimates for Sherwin-Williams for the third quarter and 2020 have moved up over the past two months. The company is expected to gain from synergies of the Valspar acquisition and its operational improvement actions. The Valspar acquisition has strengthened its position as a leading paints and coatings provider globally, leveraging highly complementary offerings, strong brands and technologies. Sherwin-Williams is also focused on growth through expansion of operations. It remains committed to capture a larger share of its end-markets. The company is also witnessing favorable demand in domestic markets. The company's cost-control actions, working capital reductions, supply chain optimization and productivity improvement are also expected to support margins. It has also outperformed the industry over a year.

Price, Consensus & Surprise

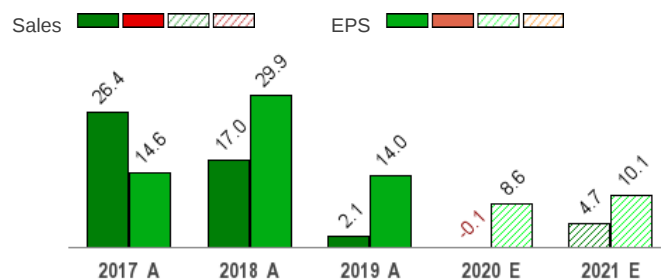


Source: Zacks Investment Research

Data Overview

52-Week High-Low	\$681.60 - \$325.43
20-Day Average Volume (Shares)	358,281
Market Cap	\$61.1 B
Year-To-Date Price Change	15.0%
Beta	1.21
Dividend / Dividend Yield	\$5.36 / 0.8%
Industry	Paints and Related Products
Zacks Industry Rank	Top 10% (26 out of 251)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	24.8%
Last Sales Surprise	1.1%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	10/27/2020
Earnings ESP	0.0%
P/E TTM	30.4
P/E F1	29.3
PEG F1	2.6
P/S TTM	3.5

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021	4,289 E	5,121 E	5,237 E	4,452 E	18,721 E
2020	4,147 A	4,604 A	4,937 E	4,223 E	17,887 E
2019	4,041 A	4,878 A	4,868 A	4,114 A	17,901 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$4.68 E	\$7.83 E	\$8.12 E	\$5.44 E	\$25.26 E
2020	\$4.08 A	\$7.10 A	\$7.26 E	\$4.62 E	\$22.94 E
2019	\$3.60 A	\$6.57 A	\$6.65 A	\$4.27 A	\$21.12 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 08/31/2020. The reports text is as of 09/01/2020.

Overview

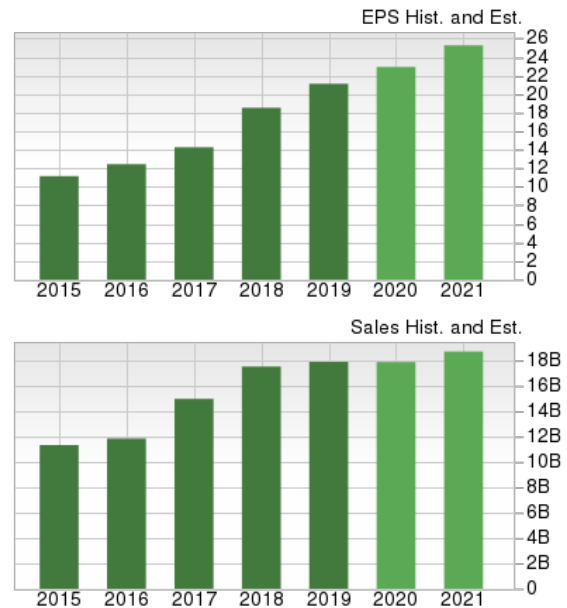
Founded in 1866 and headquartered in Cleveland, OH, The Sherwin-Williams Company is into manufacturing and sales of paints, coatings and related products, primarily in the North and South America. It also has operations in the Caribbean region, Europe and Asia. Sherwin-Williams is one of the biggest paint companies in the United States and in the world. Its well-known brands include Dutch Boy, Minwax and Krylon. The company, on Jun 1, 2017, completed the purchase of rival paints maker Valspar in an all-cash transaction, creating a premier global paints and coatings company.

Sherwin-Williams made changes to its reporting structure as a result of its acquisition of Valspar that led to the formation of three new reportable operating segments – The Americas Group, The Consumer Brands Group and The Performance Coatings Group. Earlier, the company had four operating segments – The Paint Stores Group, The Consumer Group, The Global Finishes Group and The Latin America Coatings Group.

The Americas Group: This segment includes the company's earlier Paint Stores Group and Latin America Coatings Group. The group produces and sells a wide array of industrial coatings, architectural paint and related products across Latin America through dedicated dealers and company-operated stores. The segment accounted for around 57% of Sherwin-Williams' 2019 sales.

The Consumer Brands Group: The division includes the company's Consumer Group and Valspar's Consumer Paints segment, barring Valspar's Automotive Refinishes products business. The segment operates highly efficient supply chain for paints and coatings related products across the globe. The segment accounted for around 13% of Sherwin-Williams' 2019 sales.

The Performance Coatings Group: The unit includes the company's Global Finishes Group and Valspar's Coatings Group coupled with Valspar's Automotive Refinishes products business. It sells a wide array of industrial coatings and finishes for industrial wood, general industrial, protective and marine, packaging and automotive, coil and extrusion customers. The segment accounted for around 30% of Sherwin-Williams' 2019 sales.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ Sherwin-Williams' shares are up 27.3% over a year, outperforming its industry's 27.2% rise. Sherwin-Williams' philosophy is to diversify its customer base and expand its operations into various geographies. The company follows a method of growing through acquisitions and also through internal initiatives such as efficient working capital management and innovation. This enables the company to somewhat reduce its dependency upon prevailing market conditions.
- ▲ The acquisition of Valspar has enabled Sherwin-Williams to strengthen its position as a leading paints and coatings provider globally, leveraging highly complementary offerings, strong brands and technologies. The buyout extends Sherwin-Williams' brand portfolio and customer relationships in North America, and bolster its global finishes business. In addition to expanding Sherwin-Williams' global platform in Asia-Pacific and Europe, the Middle East and Africa regions, the buyout adds new capabilities in the packaging and coil segments. The company realized benefits worth around \$315 million from synergies in 2019. It has identified another opportunity of nearly \$100 million, mainly related to the supply-chain optimization efforts in Europe and Asia. The company expects to realize a small portion of this benefit in 2020, while the majority is likely to be realized in 2021 and 2022 as projects are completed.
- ▲ Sherwin-Williams is seeing favorable demand in domestic markets and remains committed to expand its retail operations. It is seeing higher architectural paint sales volumes. The company witnessed strong demand for architectural DIY (Do It Yourself) paint in North America in the last reported quarter. Within the Americas Group, Residential Repaint was the strongest customer segment that witnessed double-digit percentage growth on a year-over-year basis in 2019. The trend is likely to continue in 2020. The company is focused on capturing a larger share of its end-markets, as is evident in the increasing number of retail stores. The company added 62 net new stores in 2019 in its Americas Group unit. Plans are in place to add around 50 new stores in 2020.
- ▲ Sherwin-Williams' aggressive cost control initiatives, working capital reductions, supply chain optimization and productivity improvement should continue to yield margin benefits. Robust working capital management and efforts to cut operating costs helped the company to generate strong cash flows from operations of more than \$2.32 billion in 2019. Sherwin-Williams is also using its cash strategically. The company purchased 1,675,000 shares of its common stock in 2019. It also purchased 1.7 million shares of its common stock in the first half of 2020 and had remaining authorization to purchase 6.75 million shares through open market purchases at the end of the period. Sherwin-Williams also hiked its quarterly dividend by 18.6% to \$1.34 per share during the first quarter of 2020. It remains committed to maintain this dividend payout through the balance of 2020.

Sherwin-Williams should gain from growth through expansion of operations and synergies from the Valspar acquisition. The company is also benefiting from cost control actions.

Risks

- Sherwin-Williams' businesses remain impacted by weakness across certain economies. Although domestic demand of architectural paint has improved, it remains weak outside North America due to sluggish market conditions, exacerbated by the coronavirus pandemic. The company witnessed relatively softer demand in non-domestic regions during the last reported quarter due to the impacts of coronavirus. It saw double digit declines in demand across Europe and Latin America and a single digit decline in Asia in the Performance Coatings Group. Demand remains weak in general industrial markets such as heavy equipment, agriculture and transportation. Continued softness in non-domestic regions may continue to hurt the company's sales in the third quarter of 2020. The company expects sales in Performance Coatings Group to be down low to mid-single digit percentage in the quarter.
 - Sherwin-Williams is exposed to currency translation headwinds. In 2019, unfavorable currency translation dented consolidated sales by 1.4% and lowered profits by \$22 million. Moreover, currency translation reduced second-quarter 2020 sales by 1.5%. The company also witnessed currency translation to unfavorably impact sales by 3% in the Performance Coatings group unit in the last reported quarter. As such, currency headwinds may continue to hurt company's performance.
 - The company's high debt level is also a concern. Its total debt was \$8,850 million at the end of second-quarter 2020. Moreover, its cash and cash equivalents were \$188.1 million as of Jun 30, 2020, lower than its short-term debt of \$560 million. This may affect the company's ability to meet its short-term debt obligations.
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Last Earnings Report

Sherwin-Williams' Earnings & Sales Top Estimates in Q2

Sherwin-Williams logged earnings (as reported) of \$6.48 per share in second-quarter 2020, up roughly 29% from \$5.03 in the year-ago quarter.

Barring one-time items, adjusted earnings in the reported quarter were \$7.10 per share, which topped the Zacks Consensus Estimate of \$5.69.

Sherwin-Williams posted revenues of \$4,604 million, down roughly 6% year over year. However, the figure beat the Zacks Consensus Estimate of \$4,556.2 million.

The decline in sales is due to the impacts of coronavirus pandemic, which led to weak demand in certain end markets in the Americas Group and the Performance Coatings Group segments. Unfavorable currency translation also hurt sales. These were, in part, offset by increased sales to most of the Consumer Brands Group unit's retail customers.

Segmental Review

The Americas Group segment registered net sales of \$2.52 billion in the second quarter, down around 8% year over year, as coronavirus impacted demand in most end market segments.

Net sales in the Consumer Brands Group segment climbed roughly 22% year over year to \$980.2 million. Increased volume sales to most of the segment's North American and European retail customers were partly offset by weaker sales in Asia Pacific.

Net sales in the Performance Coatings Group fell nearly 17% year over year to \$1.1 billion in the reported quarter. The decline was mainly due to weaker end market demand in most businesses partly resulting from the impacts of the pandemic. Sales were also affected by unfavorable currency swings. These were partly offset by higher sales in the packaging division in all regions.

Financials and Shareholder Returns

At the end of the quarter, Sherwin-Williams had cash and cash equivalents of \$188.1 million, up 29% year over year. Long-term debt increased around 15% year over year to \$8,289.4 million.

The company purchased 1,700,000 shares of its common stock in the first half of 2020. It had remaining authorization to purchase 6.75 million shares through open market purchases.

Outlook

Moving ahead, Sherwin-Williams envisions demand to improve sequentially in the third quarter with softness continuing in certain end markets in the United States and global environments for the balance of 2020. The company expects third-quarter consolidated net sales to be up or down low single digits on a year-over-year basis.

The company also raised its net income per share guidance for full-year 2020 to \$19.21-\$20.71 from its prior view of \$16.46-\$18.46.

Quarter Ending	06/2020
Report Date	Jul 28, 2020
Sales Surprise	1.05%
EPS Surprise	24.78%
Quarterly EPS	7.10
Annual EPS (TTM)	22.10

Recent News

Sherwin-Williams Declares Quarterly Dividend

On **Jun 22, 2020**, Sherwin-Williams' board announced a quarterly dividend of \$1.34 per share. The dividend is payable on Sep 11, 2020 to shareholders of record as of Aug 21, 2020.

Valuation

Sherwin-Williams' shares are up 15% in the year-to-date period and up 27.3% over the trailing 12-month period. Stocks in the Zacks Paints and Related Products industry and the Zacks Construction sector are up 14.4% and 7.6% in the year-to-date period, respectively. Over the past year, the Zacks sub-industry and sector are up 27.2% and 20.1%, respectively.

The S&P 500 index is up 9% in the year-to-date period and up 20.2% in the past year.

The stock is currently trading at 27.4X forward 12-month earnings, which compares to 26.73X for the Zacks sub-industry, 18.39X for the Zacks sector and 23.47X for the S&P 500 index.

Over the past five years, the stock has traded as high as 29.27X and as low as 16.48X, with a 5-year median of 21.37X.

Our Outperform recommendation indicates that the stock will perform better than the market. Our \$772 price target reflects 31.52X forward 12-month earnings per share.

The table below shows summary valuation data for SHW:

Valuation Multiples - SHW					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	27.4	26.73	18.39	23.47
	5-Year High	29.27	27.01	19.19	23.47
	5-Year Low	16.48	17.51	10.74	15.25
	5-Year Median	21.37	20.77	15.86	17.6
EV/EBITDA TTM	Current	19.71	21.54	19.29	13.29
	5-Year High	27.36	25.41	21.27	13.29
	5-Year Low	11.89	13.14	12.4	8.22
	5-Year Median	17.49	18.85	17.89	10.91
P/B TTM	Current	15.79	16.01	3.58	4.76
	5-Year High	32.2	16.03	6.76	4.76
	5-Year Low	8.7	8.37	1.71	2.83
	5-Year Median	13.45	11.71	3.3	3.76

As of 08/31/2020

Industry Analysis Zacks Industry Rank: Top 10% (26 out of 251)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec	Rank
D.R. Horton, Inc. (DHI)	Outperform	1
PPG Industries, Inc. (PPG)	Outperform	2
Akzo Nobel NV (AKZOY)	Neutral	3
Axalta Coating Systems Ltd. (AXTA)	Neutral	3
BASF SE (BASFY)	Neutral	3
Ferro Corporation (FOE)	Neutral	3
Nippon Paint Holdings Co., Ltd. (NPCPF)	Neutral	3
RPM International Inc. (RPM)	Neutral	2

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

Industry Comparison Industry: Paints And Related Products				Industry Peers		
	SHW	X Industry	S&P 500	AKZOY	PPG	RPM
Zacks Recommendation (Long Term)	Outperform	-	-	Neutral	Outperform	Neutral
Zacks Rank (Short Term)	2	-	-	3	2	2
VGM Score	C	-	-	B	C	C
Market Cap	61.10 B	11.02 B	23.72 B	19.17 B	28.41 B	11.02 B
# of Analysts	10	5.5	14	3	8	7
Dividend Yield	0.80%	0.81%	1.65%	2.64%	1.79%	1.70%
Value Score	D	-	-	C	C	D
Cash/Price	0.00	0.02	0.07	0.07	0.08	0.02
EV/EBITDA	22.78	20.26	13.28	15.23	13.34	20.26
PEG F1	2.55	2.35	3.03	1.07	4.82	1.52
P/B	15.79	8.70	3.17	2.88	5.75	8.70
P/CF	23.11	19.78	12.87	17.33	14.30	19.78
P/E F1	29.25	29.26	21.63	25.54	24.18	23.02
P/S TTM	3.45	3.45	2.53	2.00	2.05	2.00
Earnings Yield	3.42%	3.42%	4.39%	3.91%	4.14%	4.34%
Debt/Equity	2.14	2.14	0.70	0.46	0.93	2.14
Cash Flow (\$/share)	29.03	5.86	6.93	1.91	8.42	4.29
Growth Score	A	-	-	A	C	B
Historical EPS Growth (3-5 Years)	17.73%	5.51%	10.41%	NA	0.14%	3.39%
Projected EPS Growth (F1/F0)	8.60%	8.12%	-4.75%	11.49%	-19.94%	19.96%
Current Cash Flow Growth	13.15%	9.79%	5.22%	-19.52%	2.31%	9.79%
Historical Cash Flow Growth (3-5 Years)	20.20%	8.21%	8.49%	-6.50%	1.88%	5.67%
Current Ratio	1.10	2.22	1.35	1.63	1.35	2.22
Debt/Capital	68.17%	68.13%	42.92%	31.46%	48.30%	68.13%
Net Margin	9.83%	9.83%	10.25%	5.60%	7.23%	5.53%
Return on Equity	53.67%	29.73%	14.66%	9.64%	23.88%	29.73%
Sales/Assets	0.86	0.86	0.50	0.65	0.77	0.98
Projected Sales Growth (F1/F0)	-0.08%	2.14%	-1.40%	-9.33%	-11.34%	2.14%
Momentum Score	D	-	-	C	C	F
Daily Price Change	-0.72%	-0.72%	-0.82%	-0.54%	-1.41%	-1.11%
1-Week Price Change	0.01%	0.00%	2.59%	3.47%	3.29%	0.00%
4-Week Price Change	4.67%	0.00%	3.55%	4.16%	12.13%	2.99%
12-Week Price Change	16.70%	0.84%	-0.44%	10.12%	6.17%	6.28%
52-Week Price Change	27.39%	25.27%	2.80%	10.62%	8.67%	25.27%
20-Day Average Volume (Shares)	358,281	15,801	1,839,384	16,566	1,183,932	437,162
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.20%	0.00%	5.38%	0.00%
EPS F1 Estimate 12-Week Change	15.45%	15.45%	3.87%	10.54%	15.30%	9.19%
EPS Q1 Estimate Monthly Change	0.00%	0.00%	0.00%	0.00%	14.30%	0.00%

Source: Zacks Investment Research

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	D
Growth Score	A
Momentum Score	D
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 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.