

Southern Company (SO)

\$60.63 (As of 03/23/21)

Price Target (6-12 Months): **\$64.00**

Long Term: 6-12 Months

Zacks Recommendation:
Neutral

(Since: 12/18/19)

Prior Recommendation: Outperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:D

Value: C

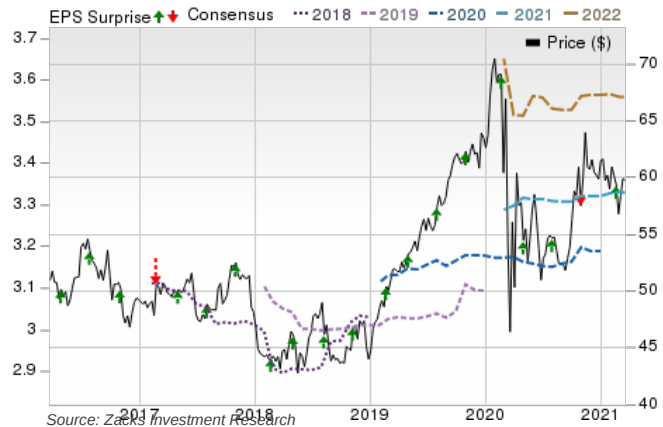
Growth: D

Momentum: C

Summary

Southern Company shares have outperformed the Zacks Utility - Electric Power industry over the past year (+20.9% versus +17.6%). Leveraging the demographics of its operating territories, as in healthy population and job growth, Southern Company has gradually increased its customer base. With good rate base growth and constructive regulation, the power supplier is expected to generate steady earnings and dividend growth in the coming years. However, its elevated leverage, along with continued timing and cost overrun issues over its Vogtle project, are major overhangs. While the electric utility holding company's debt-to-capitalization of 59.9% restricts financial flexibility, its \$25-billion Vogtle nuclear plant has already exceeded budget and is years behind schedule. Therefore, Southern Company warrants a cautious stance from the investors.

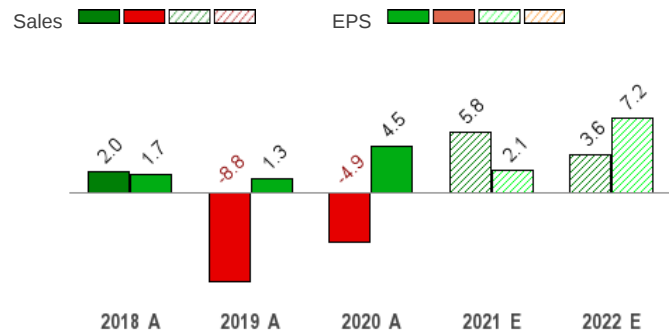
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$64.93 - \$44.71
20-Day Average Volume (Shares)	4,504,267
Market Cap	\$64.1 B
Year-To-Date Price Change	-1.3%
Beta	0.43
Dividend / Dividend Yield	\$2.56 / 4.2%
Industry	Utility - Electric Power
Zacks Industry Rank	Bottom 21% (200 out of 253)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	9.3%
Last Sales Surprise	0.9%
EPS F1 Estimate 4-Week Change	-0.4%
Expected Report Date	04/29/2021
Earnings ESP	3.0%
P/E TTM	18.7
P/E F1	18.3
PEG F1	4.6
P/S TTM	3.1

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2022					22,331 E
2021	5,366 E	5,127 E	5,884 E	5,228 E	21,564 E
2020	5,018 A	4,620 A	5,620 A	5,117 A	20,375 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2022					\$3.56 E
2021	\$0.83 E	\$0.86 E	\$1.27 E	\$0.37 E	\$3.32 E
2020	\$0.78 A	\$0.78 A	\$1.22 A	\$0.47 A	\$3.25 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 03/23/2021. The report's text and the analyst-provided price target are as of 03/24/2021.

Overview

Founded in 1945, Atlanta, GA-based Southern Company is one of the largest utilities in the United States. The company deals with the generation, transmission and distribution of electricity. Following its merger with AGL Resources on July 1, 2016, Southern Company serves approximately nine million customers through its seven electric and natural gas distribution units.

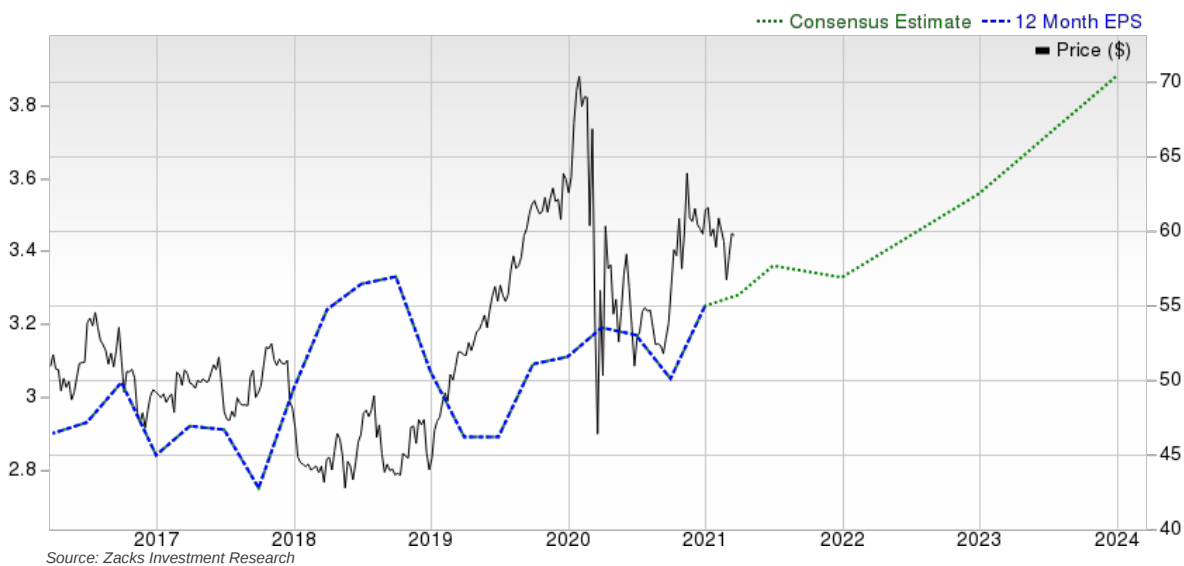
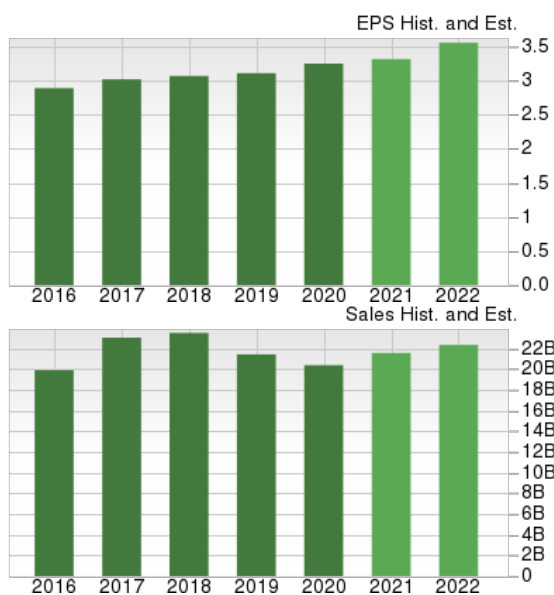
It serves approximately nine million customers and boasts of a generating capacity of 46,000 megawatts, around 200,000 miles of electric transmission and distribution lines, with more than 80,000 miles of natural gas pipelines.

Southern Company's operations include wholesale electricity generation and natural gas services, retail energy services and natural gas storage operations throughout the country. Southern Company's electrical utilities include Alabama Power, Georgia Power, and Mississippi Power. The firm closed the divestiture of its Gulf Power unit for \$5.8 billion in January 2019.

The company owns Southern Power and Southern Company Gas along with other direct and indirect subsidiaries. Southern Power engages in developing, owning and managing power generation assets, including renewable energy projects, as well as selling electricity at market-based rates in the wholesale market.

The electric utility firm engages in the distribution of natural gas through Southern Company Gas (formerly AGL Resources). Southern Company Gas' distribution utilities include Atlanta Gas Light, Chattanooga Gas, Nicor Gas and Virginia Natural Gas. The company completed the sale of Elizabethtown, Elkton and Florida City gas units in 2018. Southern Gas Company operates in four segments: Gas Distribution Operations, Gas Pipeline Investments, Wholesale Gas Services, and Gas Marketing Services.

Southern Company also owns membership interests in SCS, Southern Linc, Southern Holdings, Southern Nuclear, PowerSecure, and other direct and indirect subsidiaries. Notably, Southern Nuclear provides services to the Southern Company's nuclear power plants and is currently managing construction of Vogtle Units 3 and 4, which are co-owned by Georgia Power.



Reasons To Buy:

- ▲ Southern Company is one of the largest electric utility holding companies in the U.S., and the premier energy firm serving the attractive Southeast market. Positioned in a niche industry with high barriers to entry, Southern's less-volatile, recession-proof business model presents a unique opportunity to earn high returns.
- ▲ Southern Company's seven major regulated utilities serve approximately nine million electric and natural gas customers. Leveraging the demographics of its operating territories (as in healthy population and job growth), the firm aims to further expand its regulated business customer base. As proof of that effort, Southern Company increased its customer count by 1% year over year for the year ending December 2020.
- ▲ The outbreak of novel coronavirus has negatively impacted electric utilities by steeply reducing industrial and commercial electricity demand. However, Southern Company has maintained that the consequence of the ongoing coronavirus epidemic on its retail sales has been modest, which it expects to offset through cost containment measures.
- ▲ Southern Company has a long and consistent dividend paying record. In 2020, the utility declared a hike in its dividend by 8 cents per share on an annualized basis to a rate of \$2.56 per share. This marked the firm's 19th consecutive year dividend hike on its common stock. As such, Southern's dividend is perceived to be safe and reliable.

Southern Company's less-volatile, recession-proof business model presents a unique opportunity to earn high returns.

Reasons To Sell:

- ▼ Though Southern Company won unanimous approval for the construction of Vogtle plant, the decision to continue with the project may increase the credit risk of the company. The Vogtle project is being bankrolled with more than \$8 billion in federal loans and loan guarantees. The project, which has been missing milestone dates and suffering from poor productivity rates, is likely to suffer from further ballooning costs. This will hurt the utility's already weak financials. The increasing capital intensity of its operations may also result in reduced returns going forward. During the most recent quarter, Southern Company said that subsidiary Georgia Power's share of total costs has increased by another \$176 million, primarily stemming from coronavirus-induced disruptions.
- ▼ Southern Company's much delayed clean coal power plant project Kemper in Mississippi suffered another setback when all coal gasification operations were suspended. The Kemper Project has been facing continuous criticism owing to its poor execution, cost overruns and multiple delays. The plant is already years behind schedule and is over \$4 billion beyond the stipulated budget. In the past few years or so, the company has announced 10 delays due to project management problems. The project found it difficult to get its two gasifiers to operate consistently.
- ▼ Southern Company's high leverage restricts its financial flexibility. The company's long-term debt is currently around \$45.1 billion, with only \$1.1 billion in cash & cash equivalents. Importantly, the company's debt-to-capitalization as of the end of 2020 was 59.9% - on the higher side.
- ▼ With approximately a third of the company's total retail sales coming from industrial customers, a sluggish economy severely affects the fortunes of Southern, as compared to other utilities that are less dependent on the industrial component.

The continued timing and cost overrun issues over two large construction projects – Vogtle and Kemper – may hamper Southern Company's results in the next few quarters.

Last Earnings Report

Southern Company Q4 Earnings and Sales Beat Estimates

Power supplier Southern Company reported fourth-quarter 2020 earnings per share (excluding certain one-time items) of 47 cents, beating the Zacks Consensus Estimate of 43 cents and above the year-ago adjusted profit of 27 cents. The outperformance primarily stemmed from successful cost containment measures as well as positive effects of rates, usage and pricing changes.

The utility reported revenues of \$5.1 billion, which beat the Zacks Consensus Estimate by a marginal 0.9% and was 4.1% higher than fourth-quarter 2019 sales.

The firm is guiding for earnings per share of \$3.25-\$3.35 this year and 84 cents for the March quarter. Further, Southern Company management raised its long-term EPS growth rate projection to 5-7% (from 4-6% before) based on 2024 adjusted EPS of \$4-\$4.30.

Vogtle Updates

Per Southern Company's latest earnings presentation, it continues to progress toward completing the Units 3 and 4 of the Vogtle nuclear project by the November 2021 and November 2022 regulatory approved in-service dates. At the same time, the firm increased the share of its Georgia Power subsidiary in capital costs for the units by \$176 million to \$8.7 billion, primarily due to the impacts of the pandemic.

Overall Sales Breakup

Southern Company's wholesale power sales decreased 3.7%. There was also a fall in retail electricity demand.

Consequently, there was a downward movement in overall electricity sales and usage. In fact, total electricity sales during the fourth quarter were down 1.9% from the same period last year.

Southern Company's total retail sales were down 1.3%, with commercial and industrial sales going down by 4.4% and 1.4%, respectively. But on a bullish note, residential sales rose 2.3%.

Expenses Summary

The power supplier's operations and maintenance cost fell 5.7% year-over-year to \$1.6 billion but the utility's total operating expense for the period — at \$4.4 billion — was up 3.9% from the prior-year level.

Quarter Ending 12/2020

Report Date	Feb 18, 2021
Sales Surprise	0.93%
EPS Surprise	9.30%
Quarterly EPS	0.47
Annual EPS (TTM)	3.25

Recent News

Southern Company to Back Georgia Power's Fast-Charging Tech

On **Mar 2** Southern Company announced plans to unite with other utilities across the South, Midwest, Gulf Coast, Central Plains and mid-Atlantic to activate the coordinated network. This effort, known as the Electric Highway Coalition, indicates a record level of coordination between utilities in order to expand charging options across key highway routes from Texas to Washington, DC. Moreover, it will offer easy accessibility to emission-free vehicle options for drivers.

The Southern Company's largest electric subsidiary, Georgia Power Company, is actively engaged in rendering assistance to customers for availing easy access to efficient and stable charging options for electric vehicles (EVs).

As Georgia has evolved to be a fast-growing market for electric vehicles in the United States, with thousands of people enjoying the perks of driving on electricity, Georgia Power aims to enable EV drivers to travel without interruptions with the help of a coordinated network of Direct Current ("DC") Fast Chargers.

Georgia Power has installed 49 DC quick chargers in several areas across Georgia and plans to invest \$6 million over a three-year period in fast-charging infrastructure throughout the state. The EV quick chargers provide a maximum current of 125 kW, which allows vehicles to cover 100 miles in 12 minutes. Further, it offers twin dispensers and energy sharing capabilities to increase the number of ports that can be deployed and still get an optimal charge. Notably, these investments will facilitate the company in the adoption of electric vehicles and association with communities across the country.

As we know, EVs continue to make progress in range and performance. Its latest functionality involves the discharge of relatively low level of direct emissions, while improving the quality of air in urban areas. Moreover, it has lower cost of ownership than petroleum vehicles and helps create local jobs.

Georgia Power collaborated with Cox Automotive Mobility to wind up one such massive EV charging single property installation at the Pivot Atlanta facility, ideally located between downtown Atlanta and Hartsfield-Jackson Atlanta International Airport. Additionally, the utility serves 24 charging stall stations through Electrify America, Tesla and the EVgo Fast Charging Network.

On its part, Georgia Power has committed to accelerate the use of EV vehicles by providing customers with the required resources to explore the benefits and potential savings of driving on electricity.

Valuation

Southern Company shares are down 1.3% in the year-to-date period and up 20.9% over the trailing 12-month period. Stocks in the Zacks subindustry and the Zacks Utilities sector are down 2% and up 17.5% in the year-to-date period, respectively. Over the past year, the Zacks subindustry and sector are up 17.6% and 53.9%, respectively.

The S&P 500 index is up 5.2% in the year-to-date period and up 61.1% in the past year.

The stock is currently trading at 12.25X trailing 12-month EV/EBITDA, which compares to 12.46X for the Zacks sub-industry, 16.19X for the Zacks sector and 17.51X for the S&P 500 index.

Over the past five years, the stock has traded as high as 13.27X and as low as 9.24X, with a 5-year median of 11.5X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$64 price target reflects 3.12X F12M sales.

The table below shows summary valuation data for SO

Valuation Multiples - SO					
		Stock	Sub-Industry	Sector	S&P 500
EV/EBITDA TTM	Current	12.25	12.46	16.19	17.51
	5-Year High	13.27	14.94	19.73	17.68
	5-Year Low	9.24	9.36	11.27	9.62
	5-Year Median	11.5	12.61	14.9	13.33
P/S F12M	Current	2.96	2.11	2.55	4.55
	5-Year High	3.34	2.84	3.23	4.55
	5-Year Low	1.88	2.08	1.81	3.21
	5-Year Median	2.42	2.37	2.18	3.69
P/B TTM	Current	1.99	1.95	3.03	6.65
	5-Year High	2.34	2.47	3.92	6.71
	5-Year Low	1.43	1.54	2.37	3.83
	5-Year Median	1.9	2.07	2.75	4.97

As of 03/23/2021

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Bottom 21% (200 out of 253)



Top Peers

Company (Ticker)	Rec	Rank
American Electric Power Company, Inc. (AEP)	Neutral	3
Duke Energy Corporation (DUK)	Neutral	3
NextEra Energy, Inc. (NEE)	Neutral	3
National Grid Transco, PLC (NGG)	Neutral	2
Pacific Gas & Electric Co. (PCG)	Neutral	4
Dominion Energy Inc. (D)	Underperform	4
Energias de Portugal (EDPFY)	Underperform	5
Huaneng Power International, Inc. (HNP)	Underperform	5

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

Industry Comparison Industry: Utility - Electric Power				Industry Peers		
	SO	X Industry	S&P 500	HNP	NEE	NGG
Zacks Recommendation (Long Term)	Neutral	-	-	Underperform	Neutral	Neutral
Zacks Rank (Short Term)	3	-	-	5	3	2
VGM Score	D	-	-	A	F	D
Market Cap	64.06 B	9.36 B	28.73 B	5.61 B	145.07 B	41.98 B
# of Analysts	6	3	13	2	6	3
Dividend Yield	4.22%	3.27%	1.4%	4.74%	2.08%	3.78%
Value Score	C	-	-	A	D	D
Cash/Price	0.02	0.06	0.06	0.38	0.01	0.05
EV/EBITDA	11.75	10.67	15.72	4.45	21.42	NA
PEG F1	4.57	3.24	2.32	0.59	3.77	6.05
P/B	1.99	1.62	3.83	0.26	3.23	1.89
P/CF	8.72	7.83	15.77	1.66	16.35	9.85
P/E F1	18.26	18.08	21.31	7.81	29.51	16.52
P/S TTM	3.14	2.05	3.24	0.23	8.06	NA
Earnings Yield	5.48%	5.53%	4.62%	12.81%	3.39%	6.05%
Debt/Equity	1.40	1.09	0.67	0.91	0.93	1.63
Cash Flow (\$/share)	6.95	4.22	6.78	8.61	4.53	6.01
Growth Score	D	-	-	A	D	D
Historical EPS Growth (3-5 Years)	1.88%	5.16%	9.32%	-39.01%	10.57%	NA
Projected EPS Growth (F1/F0)	2.05%	3.98%	14.55%	-11.81%	8.58%	1.42%
Current Cash Flow Growth	11.58%	6.12%	0.61%	0.68%	3.83%	-3.12%
Historical Cash Flow Growth (3-5 Years)	7.89%	5.99%	7.32%	-2.17%	8.85%	-4.81%
Current Ratio	0.71	0.79	1.39	0.47	0.47	0.79
Debt/Capital	58.08%	51.87%	41.42%	47.66%	48.28%	61.96%
Net Margin	15.38%	8.99%	10.59%	2.78%	16.23%	NA
Return on Equity	10.70%	9.61%	14.75%	3.50%	10.75%	NA
Sales/Assets	0.17	0.21	0.51	0.41	0.14	NA
Projected Sales Growth (F1/F0)	5.83%	3.18%	6.95%	6.83%	15.53%	7.76%
Momentum Score	C	-	-	D	F	B
Daily Price Change	1.57%	0.08%	-1.28%	-1.45%	3.25%	0.84%
1-Week Price Change	-0.23%	0.63%	-0.30%	-2.62%	-6.38%	-0.63%
4-Week Price Change	2.90%	3.11%	1.57%	3.93%	-0.92%	0.12%
12-Week Price Change	0.93%	1.92%	7.30%	0.07%	-1.74%	-0.15%
52-Week Price Change	23.63%	23.65%	65.01%	5.15%	43.36%	19.35%
20-Day Average Volume (Shares)	4,504,267	468,375	2,451,869	52,524	11,074,018	432,013
EPS F1 Estimate 1-Week Change	-0.35%	0.00%	0.00%	0.00%	-0.33%	0.47%
EPS F1 Estimate 4-Week Change	-0.35%	0.00%	0.00%	0.00%	-0.33%	0.47%
EPS F1 Estimate 12-Week Change	-0.10%	0.00%	2.17%	-16.44%	-0.08%	4.58%
EPS Q1 Estimate Monthly Change	1.65%	0.00%	0.00%	NA	-0.25%	NA

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	D

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 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.