

Alliant Energy(LNT)

\$50.98 (As of 09/18/20)

Price Target (6-12 Months): **\$54.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 04/16/19)

Prior Recommendation: Outperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:D

Value: D

Growth: C

Momentum: D

Summary

Alliant Energy has plans to invest substantially over the next four years to strengthen its infrastructure. The company will retire coal fired generation unit and add more clean sources in its portfolio to efficiently meet the demand of the customer base. Stable return from its regulated assets provides earnings visibility and assists the company to distribute dividend. Its strong liquidity will enable it to meet near-term debt obligation. Shares of Alliant Energy have outperformed the industry in the past 12 months. However, dependence on third party electric transmission systems remains headwind for Alliant Energy. The company's commercial and industrial sales were hampered by the COVID-19 outbreak. The company is also subject to stringent regulations and fulfilling the new conditions could further increase operating expenses.

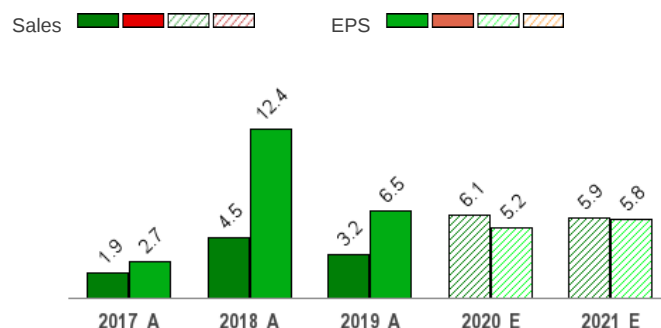
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$60.28 - \$37.66
20-Day Average Volume (Shares)	1,432,237
Market Cap	\$12.7 B
Year-To-Date Price Change	-6.8%
Beta	0.36
Dividend / Dividend Yield	\$1.52 / 3.0%
Industry	Utility - Electric Power
Zacks Industry Rank	Bottom 17% (208 out of 251)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	30.9%
Last Sales Surprise	NA
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	11/04/2020
Earnings ESP	0.0%
P/E TTM	19.3
P/E F1	21.0
PEG F1	3.9
P/S TTM	3.6

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021					4,100 E
2020	916 A	763 A			3,870 E
2019	987 A	790 A	990 A	880 A	3,648 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021					\$2.57 E
2020	\$0.72 A	\$0.54 A	\$0.94 E		\$2.43 E
2019	\$0.53 A	\$0.40 A	\$0.94 A	\$0.44 A	\$2.31 A

*Quarterly figures may not add up to annual.

The data in the charts and tables, except sales and EPS estimates, is as of 09/18/2020. The reports text and the analyst-provided sales and EPS estimates are as of 09/21/2020.

Overview

Founded in 1917, Madison, WI-based, **Alliant Energy Corporation** (LNT) is a holding company with subsidiaries engaged in regulated electric and natural gas services. The company operates primarily through four wholly owned subsidiaries – Interstate Power and Light Company (IPL), Wisconsin Power and Light Company (WPL), Resource and Corporate Services. Alliant Energy provides services to 970,000 electric and 420,000 natural gas customers in the Midwest.

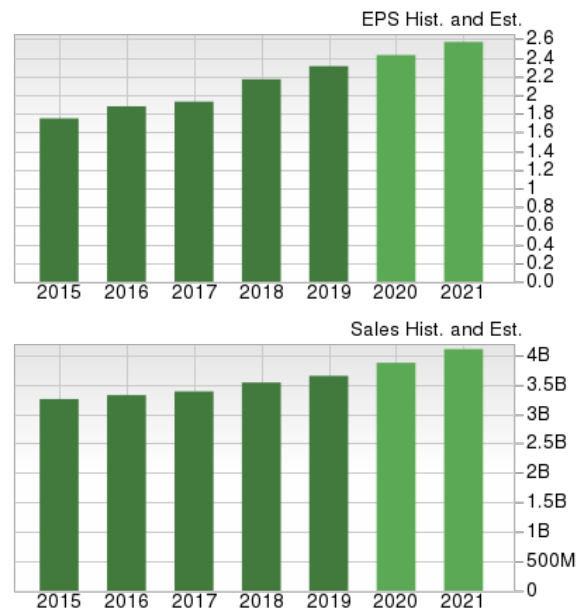
Utility Business:

This segment includes the operations of IPL and WPL. Both the utilities have a diversified fuel mix which consists of coal, natural gas and renewable resources. The output from these generating facilities is supplemented with purchased power.

IPL is primarily engaged in the generation and distribution of electricity and distribution and transportation of natural gas in select markets in Iowa and southern Minnesota. This subsidiary is also engaged in the generation and distribution of steam for two customers in Cedar Rapids, IA. In 2019, contribution from this subsidiary came in at \$2,089.6 million or 57.3% of total revenues.

WPL's businesses include generation and distribution of electricity and the distribution and transportation of natural gas in select markets in southern and central Wisconsin. WPL's consolidated subsidiary – WPL Transco – holds Alliant Energy's investment in American Transmission Company (ATC). The subsidiary's contribution amounted to \$1,475.7 million or 40.4% of total 2019 revenues.

Non-regulated, Parent and Other: Revenues from this segment were \$82.4 million in 2019, representing 2.3% of total revenues.



Source: Zacks Investment Research

Reasons To Buy:

- ▲ Despite COVID- 19 scare, Alliant Energy's earnings growth prospects look attractive due to ongoing additions to electric and natural gas customer volumes .Its geographic location and favorable regulatory developments bode well for the development of wind projects and long-term earnings growth. In addition, a diverse customer mix provides stability to sales as the company does not depend on a single group for revenues. Moreover, Alliant Energy has mitigated the impact of sales declines from the COVID-19 outbreak by accelerating planned cost transformation activities. Shares of Alliant Energy have declined 4.3% narrower than the industry's 14% decline in the past 12 months.

Alliant Energy's investment in regulated natural gas and renewable energy assets, and stable return from regulated assets are tailwinds.

As the company is not experiencing any disruption in supply chain, it currently targets long-term annual earnings growth in the range of 5-7% through 2023 from 2018 levels. We expect Alliant Energy to keep up the good performance till 2022 on the back of its capital expenditure plan, modest sales growth and constructive regulatory outcomes.

- ▲ Alliant Energy announced plans to invest substantially over the next four years to strengthen the electric and gas distribution network, as well as add natural gas and renewable assets to the generation portfolio. Alliant Energy has plans to strengthen electric and natural gas distribution systems, as well as make regular investments to strengthen infrastructure.

The company is successfully completing major construction projects on time and at or below budget. Alliant Energy is on track to add another 200 MW of wind projects in its production portfolio by end of 2020 and serve its customers in Iowa and Wisconsin. Constructive regulatory environment will enable the company will help the company to recover the capital expenditures. Courtesy of strong investment plans, the company's rate base is expected to expand to \$13 billion in 2023 from \$11 billion in 2020.

- ▲ Alliant Energy is consistently investing in renewable and natural gas-based electricity generation, and gradually lowering its coal-based generation assets. Stringent emission standards are forcing utilities to lower their dependence on coal-fired production units. The company announced the voluntary goal of retiring all the existing coal-fired generation units by 2040, with an objective of lowering emissions from 2005 levels by 50% and 100% within 2030 and 2050, respectively. Alliant Energy is making strong progress with clean energy initiatives and has already lowered carbon dioxide emissions by 35% in 2019 from 2005 levels. The company permanently retired 30% of its fossil fuel generation capacity since 2005.

The company is replacing the retired Wisconsin coal generation with a combined cycle natural gas facility. Notably, construction of the 730-MW West Riverside Energy Center and a natural gas facility will complement its renewable assets in 2020. Alliant aims to add 1000 MW of solar powered production in its portfolio within 2023. Pollution-less electricity generation units are expected to drive the company's performance.

- ▲ The regulated nature of Alliant Energy's operation provides strong earnings visibility, which has enabled the company to increase the annual dividend rate for more than a decade. The company has paid out dividends since 1946 without fail. Nearly 99% earnings of the company are generated from regulated operations, which give an excellent visibility of its upcoming earnings. In first-half 2020, the company paid dividend worth \$187.6 million compared with \$167.8 million in the year-ago period.

Alliant Energy has a long-term dividend payout target of 60-70%. The company's quarterly dividend rate is 38 cents, which resulted in an annualized dividend rate of \$1.52 per share.

- ▲ The company's total liquidity as of Jun 30, 2020 was \$1.1 billion, which is sufficient to meet near-term debt obligations. There is no material debt maturity for the company in 2021. Its debt to capital was 54.1% at the end of second quarter 2020, lower than the industry average of 59.7%.

The company's times interest earned ratio at the end of second-quarter 2020 was 3.4, up 10 basis points from the first quarter. The times interest earned ratio of more than 1 indicates that it has financial strength to meet debt obligations in the near future. At a time when every entity is looking forward to preserve liquidity amid uncertainty as a result of the outbreak of COVID-19, this strong times interest earned ratio is reassuring for investors.

Reasons To Sell:

- ▼ Alliant Energy is subject to extensive environmental regulations at both federal and state levels. This could impact the company's operations and its ability to recover costs from customers on a timely basis and hence the rate of return.

Increased competition from self-generation by large industrial customers, customer- and third party-owned generation (e.g. solar panels), and alternative energy sources can lower demand for its services in Iowa and Wisconsin.

- ▼ Alliant Energy's utility operations – IPL and WPL – use the interstate electric transmission system that they do not own or control. Rates charged to these subsidiaries are regulated by FERC. In case transmission costs go up and the company is unable to recover those costs from its customers, operational expenses are bound to rise.

- ▼ In addition, successful implementation of its strategic plan is dependent on its ability to access the capital markets under competitive terms and rates. Undoubtedly, the current rate decline served as a relief for this capital-intensive company. However, servicing the existing high interest debts will lower its profit levels and hurt margins. Also, disruption and uncertainty related to timely completion of the ongoing projects add to the woes.

- ▼ The company's retail electric sales for the second quarter were down 6% from the last year, reflecting the COVID-19 pandemic's impacts. The increase in residential load was not enough to offset the decline in demand from the commercial and industrial (C&I) group. Although electric demand from the C&I group showed improvement in June, the degree of the COVID-19 pandemic's impact on Alliant Energy is still unclear.
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Increased competition, adverse impact of COVID-19, dependence on third-party assets, stringent regulations and rising debt are concerns.

Last Earnings Report

Alliant Energy (LNT) Q2 Earnings Improve Y/Y, Sales Decline

Alliant Energy Corporation reported second-quarter 2020 operating earnings of 54 cents, which increased 35% from the year-ago figure of 40 cents per share.

The year-over-year growth in earnings was attributed to increasing rate base at Power and Light Company (IPL), as well as Wisconsin Power and Light Company (WPL), along with favorable temperature, which in turn increased the demand for electricity.

Quarter Ending 06/2020

Report Date	Aug 06, 2020
Sales Surprise	NA
EPS Surprise	30.91%
Quarterly EPS	0.54
Annual EPS (TTM)	2.64

Total Revenues

Total first-quarter revenues came in at \$763.1 million, declining 3.4% year over year. The year-over-year decline was due to lower contribution from its Electric and Natural gas operations.

Operational Highlights

During the second quarter, the company's retail electric and gas utility customers grew 0.8% and 0.9% year over year, respectively. The increase in its customer count had a positive impact on electric and natural gas volumes sold, which improved 0.2% and 15.6% year over year, respectively.

Total operating expenses were \$595 million for the reported quarter, decreasing 7% from \$640.4 million in the year-ago period. The reduction in expenses was due to lower Electric transmission service expenses, and decline in other operating and maintenance costs.

Operating income was \$168.1 million, up 12.2% from \$149.8 million in the year-ago quarter.

Interest expenses were \$69.6 million, increasing 0.6% from \$69.1 million in the prior-year quarter.

Financial Update

Cash and cash equivalents were \$208.1 million as of Jun 30, 2020, up from \$16.3 million on Dec 31, 2019.

Long-term debt (excluding current portion) was \$6,572.4 million as of Jun 30, 2020, higher than \$5,533 million on Dec 31, 2019.

In the first six months of 2020, cash flow from operating activities was \$319.7 million compared with \$276.9 million in the comparable year-ago period.

Guidance

Alliant Energy reiterated its 2020 earnings guidance in the range of \$2.34-\$2.48 per share. The guidance takes into account normal temperature in its service territories, gradual improvement in sales through the remainder of 2020 and proper execution of cost-control measures.

Recent News

On **May 26**, Alliant Energy announced its plan to acquire and advance construction of six solar projects in Wisconsin. The solar projects when operational will produce 675 megawatts of solar energy and will be able to provide clean power to 175,000 homes annually.

Valuation

Alliant Energy shares are down 6.8% in the year to date period and down 4.3% over the trailing 12-month period. Stocks in the Zacks sub-industry and the Zacks Utility sector are down 15.7% and 16.4% in the year to date period, respectively. Over the past year, the Zacks sub-industry was down 14% and sector was down 15%.

The S&P 500 index is up 3% in the year to date period but up 11.3% in the past year.

The stock is currently trading at 20.14X forward 12-month earnings, which compares to 13.28X for the Zacks sub-industry, 12.24X for the Zacks sector and 21.85X for the S&P 500 index.

Over the past five years, the stock has traded as high as 24.66X and as low as 14.49X, with a 5-year median of 19.71X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$54 price target reflects 21.34X forward 12-month earnings.

The table below shows summary valuation data for LNT

Valuation Multiples - LNT					
		Stock	Sub-Industry	Sector	S&P 500
P/E F12M	Current	20.14	13.28	12.24	21.85
	5-Year High	24.66	15.36	15.29	23.44
	5-Year Low	14.49	11.07	11.31	15.26
	5-Year Median	19.71	13.2	13.73	17.63
P/S F12M	Current	3.32	2.25	2.6	4.04
	5-Year High	3.37	2.46	3.29	4.29
	5-Year Low	1.85	1.55	1.75	3.11
	5-Year Median	2.67	1.93	2.1	3.66
P/B TTM	Current	2.29	1.91	3.73	5.7
	5-Year High	2.78	2.06	4.18	6.17
	5-Year Low	1.72	1.29	2.04	3.75
	5-Year Median	2.31	1.6	2.65	4.84

As of 9/18/2020

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Bottom 17% (208 out of 251)



Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec	Rank
Ameren Corporation (AEE)	Neutral	3
The AES Corporation (AES)	Neutral	3
Entergy Corporation (ETR)	Neutral	3
Fortis Inc. (FTS)	Neutral	3
Hawaiian Electric Industries, Inc. (HE)	Neutral	3
Pinnacle West Capital Corporation (PNW)	Neutral	3
Vistra Energy Corp. (VST)	Neutral	3
NRG Energy, Inc. (NRG)	Underperform	3

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

Industry Comparison Industry: Utility - Electric Power				Industry Peers		
	LNT	X Industry	S&P 500	AEE	AES	PNW
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutral
Zacks Rank (Short Term)	3	-	-	3	3	3
VGM Score	D	-	-	D	B	C
Market Cap	12.73 B	8.18 B	23.70 B	18.99 B	12.50 B	7.93 B
# of Analysts	2	3	13	5	4	3
Dividend Yield	2.98%	3.55%	1.63%	2.58%	3.05%	4.44%
Value Score	D	-	-	C	B	B
Cash/Price	0.02	0.07	0.07	0.00	0.19	0.00
EV/EBITDA	13.07	9.39	13.12	11.68	14.48	9.28
PEG F1	3.83	3.46	2.93	3.27	1.69	3.11
P/B	2.29	1.56	3.26	2.27	2.69	1.41
P/CF	10.84	7.20	12.78	9.81	5.46	6.32
P/E F1	20.56	16.74	21.44	22.19	13.57	14.61
P/S TTM	3.59	1.81	2.49	3.27	1.30	2.30
Earnings Yield	4.77%	5.96%	4.44%	4.50%	7.34%	6.84%
Debt/Equity	1.18	1.03	0.70	1.22	4.16	1.06
Cash Flow (\$/share)	4.70	4.27	6.94	7.84	3.44	11.14
Growth Score	C	-	-	C	C	C
Historical EPS Growth (3-5 Years)	7.93%	5.32%	10.42%	7.41%	5.56%	6.28%
Projected EPS Growth (F1/F0)	5.19%	0.83%	-4.74%	3.40%	1.84%	1.05%
Current Cash Flow Growth	10.43%	6.78%	5.29%	2.50%	4.43%	-2.09%
Historical Cash Flow Growth (3-5 Years)	6.17%	6.02%	8.50%	6.59%	0.82%	6.02%
Current Ratio	0.86	0.87	1.35	0.81	1.10	0.77
Debt/Capital	53.34%	50.68%	42.92%	54.86%	80.64%	51.35%
Net Margin	18.37%	10.02%	10.26%	14.57%	2.01%	17.37%
Return on Equity	12.30%	9.64%	14.69%	10.27%	24.35%	10.69%
Sales/Assets	0.21	0.22	0.51	0.20	0.28	0.18
Projected Sales Growth (F1/F0)	0.00%	0.00%	-1.42%	0.32%	-1.71%	0.92%
Momentum Score	D	-	-	D	C	C
Daily Price Change	-2.30%	-0.84%	-1.15%	-0.98%	1.95%	-2.40%
1-Week Price Change	-2.68%	-1.44%	-1.90%	-2.99%	1.31%	-2.07%
4-Week Price Change	-4.92%	-1.70%	0.06%	-4.49%	4.68%	-6.06%
12-Week Price Change	9.00%	3.18%	7.27%	11.70%	35.37%	-1.30%
52-Week Price Change	-4.01%	-15.04%	0.33%	-2.29%	17.81%	-26.83%
20-Day Average Volume (Shares)	1,432,237	287,073	1,916,343	989,438	4,085,741	733,332
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.55%	0.00%
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.00%	-0.06%	0.55%	0.00%
EPS F1 Estimate 12-Week Change	0.83%	0.18%	4.12%	0.99%	0.18%	0.42%
EPS Q1 Estimate Monthly Change	0.00%	0.00%	0.00%	-0.16%	-0.54%	-1.55%

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	D
Growth Score	C
Momentum Score	D
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.

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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.