

## Euclid Advisors, LLC

1540 Broadway, Suite 1630  
New York, New York 10036

Style: International Equities  
Sub-Style: Blend  
Firm AUM: \$3.0 billion  
Firm Strategy AUM: \$393.6 million

Year Founded: 1997  
GIMA Status: Approved  
Firm Ownership: Virtus Investment Partners  
Professional-Staff: 4

## PRODUCT OVERVIEW

Euclid Advisors LLC ("Euclid") believes they can achieve competitive returns and add value for their clients by investing in a high conviction portfolio of international stocks that represent their best ideas based on valuation, financial quality, and cash flow return on invested capital (CFROIIC), while at all times paying close attention to the macroeconomic environment. International developed markets offer compelling diversification potential. Securities in these markets often trade at attractive valuations relative to U.S. domestic securities and offer higher yields. Euclid seeks to take advantage of these global disparities in value through opportunistic portfolio management. The strategy provides investors with access to high-quality international businesses selling at attractive valuations. Ideally, these companies are not only growing their earnings but are also creating economic value by maintaining or growing their CFROI. Euclid believes that valuation always matters. During a market cycle, they will hold value stocks and growth stocks, but nonetheless feels that valuation must play some part in the analysis. They are not afraid to sell a position that is acting in way that is detrimental to the strategy or is priced at a premium relative to the excess return on capital over the cost of capital it is earning. Euclid operates at the intersection of discipline and flexibility and have found with experience that this is the most effective manner in which to invest and allocate capital.

## TARGET PORTFOLIO CHARACTERISTICS

Number of stock holdings: 30 to 40  
Average dividend yield: Above the S&P 500  
Cash level over market cycle: 0 to 5%  
Risk (standard deviation): Below the S&P 500  
Average turnover rate: 30 to 50%  
Capitalization: Mega, Large and Medium companies  
Emerging markets exposure: —

## PORTFOLIO STATISTICS \*

	-----03/16-----	09/15	
	Euclid	Index***	Euclid
Number of stock holdings	33	1,856	33
Wtd avg dividend yield	1.9%	3.3%	2.2%
Wtd avg portfolio beta	0.77	—	0.95
Mega capitalization +	0.0%	12.9%	0.0%
Large capitalization +	0.0%	59.0%	0.0%
Medium capitalization +	0.0%	26.5%	0.0%
Small capitalization +	0.0%	1.6%	0.0%
Micro capitalization +	0.0%	0.0%	0.0%

## PORTFOLIO'S EQUITY SECTOR WEIGHTINGS \*\*

Sector	03/16	09/15	
	Euclid	Index***	Euclid
Energy	4.20	6.40	2.70
Materials	7.80	6.94	2.50
Industrials	6.10	11.51	5.80
Consumer Discretionary	17.10	12.00	18.90
Consumer Staples	9.40	11.21	2.90
Health Care	10.40	8.84	17.00
Financials	8.60	25.76	24.00
Information Technology	10.60	8.45	8.40
Telecomm Services	11.70	5.33	12.40
Utilities	4.90	3.58	2.30
Cash/Cash Equivalents	9.20	0.00	3.10

## PORTFOLIO'S TOP FIVE EQUITY HOLDINGS \*

	%
Allergan PLC	4.4
KDDI Corp	3.6
Marine Harvest ASA	3.5
ORIX Corp	3.5
Bridgestone Corp	3.5

## % PROCESS BASED ON

10	Country Weightings
0	Currency Decision
0	Currency Hedge
20	Industry/Sector Selection
10	Asset Allocation
60	Issue Selection

## MANAGER'S INVESTMENT STRATEGY

- Top-down / portfolio structures based on economic trends
- Bottom-up / portfolio structure based on individual securities

\*Total may not equal 100% due to rounding.

\*\*As represented by Euclid Advisors LLC.

\*\*\*Index : MSCI AC Wld xUS Nt

MANAGER'S INVESTMENT PROCESS		RISK CONSIDERATIONS	PORTFOLIO'S ALLOCATION HISTORY (%) * *			
			03/16	12/15	09/15	06/15
• High conviction portfolio of international stocks		Equity securities prices may fluctuate in response to specific situations for each company, industry, market conditions and general economic environment. Companies paying dividends can reduce or cut payouts at any time. Strategies that invest a large percentage of assets in only one industry sector (or in only a few sectors) are more vulnerable to price fluctuation than portfolios that diversify among a broad range of sectors.	ADRs	91	98	97
• Process is driven by bottom up fundamental research and informed by macro views		Investing in securities entails risks, including: International investing should be considered one component of a complete and diversified investment program. Investing in foreign markets entails greater risks than those normally associated with domestic markets such as foreign political, currency, economic and market risks. Growth investing does not guarantee a profit or eliminate risk. The stocks of these companies can have relatively high valuations. Because of these high valuations, an investment in a growth stock can be more risky than an investment in a company with more modest growth expectations. Value investing does not guarantee a profit or eliminate risk. Not all companies whose stocks are considered to be value stocks are able to turn their business around or successfully employ corrective strategies which would result in stock prices that do not rise as initially expected.	Cash/Cash Equivalents	9	2	3

\*Total may not equal 100% due to rounding.

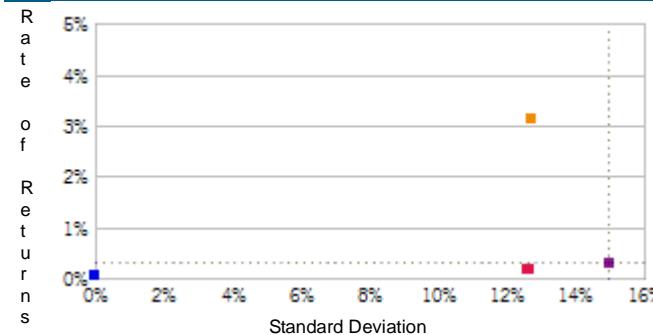
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\*\*Index : MSCI AC Wld xUS Nt

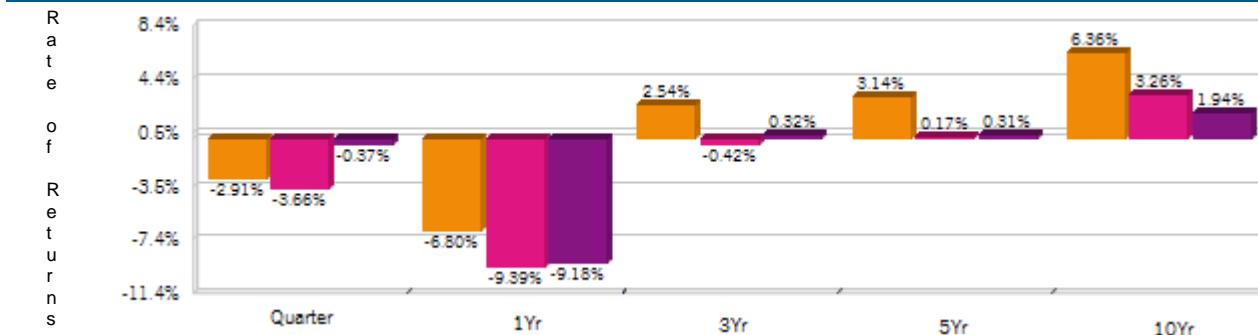
#### PORTFOLIOS COUNTRY WEIGHTINGS % \* \*

Country	-----03/16-----		09/15
	Euclid	Index***	Euclid

## RISK/RETURN ANALYSIS - 5 YEARS ENDING 03/31/16



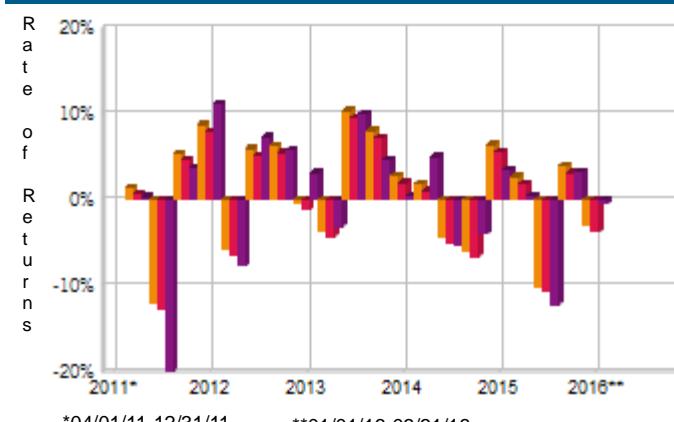
## AVERAGE ANNUAL TOTAL RETURN (%) - PERIODS ENDING 03/31/16



	STD	ROR
Euclid (Gross)	12.71	3.14
Euclid (Net)	12.61	0.17
MSCI AC Wld xUS Nt	14.95	0.31
90-Day T-Bills	0.02	0.06

	Annual Rates of Return (%)									10 Year - Ending 03/31/16		
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Annual	Std. Dev.
Euclid (Gross)	28.33	22.17	-28.50	35.64	10.89	-3.37	15.46	14.52	-5.51	2.21	6.36	17.22
Euclid (Net)	24.68	18.64	-30.74	31.70	7.65	-6.12	12.08	11.25	-8.36	-0.59	3.26	17.13
MSCI AC Wld xUS Nt	26.65	16.65	-45.53	41.45	11.15	-13.71	16.84	15.29	-3.87	-5.67	1.94	20.52

## RISK VOLATILITY (%)



\*04/01/11-12/31/11

\*\*01/01/16-03/31/16

## PORTFOLIO'S QUARTERLY RETURNS (%)

	Quarterly Returns (%)							
	Quarter1	Quarter2	Quarter3	Quarter4				
2006	Gross 9.04	Net 8.28	Gross -1.04	Net -1.74	Gross 2.43	Net 1.67	Gross 16.11	Net 15.27
2007	Gross 4.26	Net 3.48	Gross 6.62	Net 5.85	Gross 8.24	Net 7.43	Gross 1.53	Net 0.82
2008	Gross -0.24	Net -1.02	Gross 2.79	Net 2.06	Gross -18.39	Net -19.02	Gross -14.56	Net -15.33
2009	Gross -8.43	Net -9.15	Gross 19.80	Net 18.97	Gross 15.91	Net 15.11	Gross 6.67	Net 5.85
2010	Gross -0.63	Net -1.42	Gross -12.00	Net -12.67	Gross 18.11	Net 17.31	Gross 7.38	Net 6.60
2011	Gross 2.66	Net 1.89	Gross 1.42	Net 0.70	Gross -11.99	Net -12.64	Gross 5.46	Net 4.73
2012	Gross 8.79	Net 8.02	Gross -5.78	Net -6.49	Gross 6.00	Net 5.21	Gross 6.26	Net 5.47
2013	Gross -0.41	Net -1.12	Gross -3.56	Net -4.27	Gross 10.38	Net 9.59	Gross 8.03	Net 7.25
2014	Gross 2.86	Net 2.06	Gross 1.89	Net 1.13	Gross -4.23	Net -4.96	Gross -5.86	Net -6.58
2015	Gross 6.48	Net 5.68	Gross 2.69	Net 1.96	Gross -10.09	Net -10.62	Gross 3.97	Net 3.22
2016	Gross -2.91	Net -3.66						

Related

Fiduciary Services

## PORTFOLIO'S RISK STATISTICS - PERIODS ENDING 03/31/16<sup>1,2</sup>

	3 Year	5 Year
Standard Deviation	12.30%	12.71%
Standard Deviation of Primary Benchmark	11.65%	14.95%
Sharpe Ratio	0.20	0.24
Sharpe Ratio of Primary Benchmark	0.02	0.02
Alpha	2.29%	2.75%
Beta	0.99	0.80
Downside Risk	2.72%	2.94%
R-Squared	0.87	0.88
Tracking Error	4.36%	5.41%
Information Ratio	0.51	0.52

Number Of Up Qtrs. Down Qtrs.

Euclid (Gross)	12	8
Euclid (Net)	12	8
MSCI AC Wld xUS Nt	13	7

## PORTFOLIO DIVERSIFICATION - R<sup>2</sup>(INCEPTION THROUGH 12/14)+

Euclid vs. MSCI AC Wld xUS Nt	R <sup>2</sup> 0.91
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+Statistics are calculated using gross of fee performance only.

1. Statistics are calculated using gross of fee performance only.

2. MSCI AC Wld xUS Nt was used as the primary benchmark and the 90-Day T-Bills Index as the risk-free benchmark.

See important notes and disclosures pages for a discussion of the sources of the performance data used to calculate the performance results and related analyses shown above.

## IMPORTANT NOTES AND DISCLOSURES

### COMPOSITE DISCLOSURES

**Past performance is no guarantee of future results. Actual individual account results may differ from the performance shown in this profile. There is no guarantee that this investment strategy will work under all market conditions. Do not use this profile as the sole basis for your investment decisions.**

Performance results in this profile are calculated assuming reinvestment of dividends and income. Returns for more than one year are annualized and based on quarterly data. Returns for periods of less than a calendar year show the total return for the period and are not annualized.

### Related Performance (Manager's Composite):

For periods before the date on which Morgan Stanley begins to calculate an applicable performance composite for actual Morgan Stanley program accounts, the performance composite and certain other information for this strategy (including the data on page 1 of this profile) are based on the investment manager's own composite and data. This composite includes accounts managed by the investment manager according to the same or a substantially similar investment strategy. To provide maximum information to you, the investment manager's own composite is linked to the Morgan Stanley composite to create a simulated continuous track record of performance information for the investment strategy. The investment manager's composite may include separately managed accounts, institutional accounts and/or mutual funds. Performance and other data for the investment manager's composite may vary from that of Morgan Stanley accounts due to differences such as the availability and weighting of securities, trading implementation or client objectives. Morgan Stanley does not verify composite and other data provided by the investment manager and therefore does not guarantee its accuracy. Some of the accounts in the investment manager's composite may have invested in the initial public offering ("IPO") market, whereas accounts held in Morgan Stanley programs do not do so. Since investment managers may use different methods of selecting accounts to be included in their composites and for calculating performance, returns of different investment managers may not be comparable.

### Related Performance:

Euclid Advisors, LLC, a wholly-owned subsidiary of Virtus Investment Partners, is a registered investment advisor under the Investment Advisers Act of 1940 that provides investment management services for institutional investors, affiliated investment companies (open and closed end mutual funds), and other institutional and retail clients. The International ADR Equity composite includes all fully discretionary assets under management, including those no longer with the firm. It does not include wrap accounts or UMA assets. Portfolios are invested to achieve superior long-term returns through capital appreciation and dividend income as prices of such securities return to fair value. Risk is controlled by monitoring regional and sector exposures, and pursuing investments with a bias towards valuation and quality. The composite was created in September 2012. Performance prior to August 2012 was achieved at a prior firm. Portability of performance has been included in the composite. Accounts are not removed from the composite due to significant cash flows. There is no minimum account size for this composite. Composite performance is presented after the deduction of foreign withholding taxes. Capital gains, dividends and interest income received may be subject to withholding taxes imposed by the country of origin and such taxes may not be recoverable. The annual composite dispersion is an asset weighted standard deviation calculated for the accounts in the composite for the entire year.

### Fiduciary Services Performance:

**Equity Account (Gross):** Euclid's gross results do not reflect a deduction of the investment advisory fees charged by Euclid, or program fees, if any, but are net of commissions charged on securities transactions.

**Net Performance for all Periods:** To demonstrate the effect of Morgan Stanley's fees that would have applied if you had invested in the investment manager strategy's through the Fiduciary Services program, the net results for all periods are calculated by deducting a quarterly fee of 0.75% (equivalent to an annual fee of 3%).

Morgan Stanley program fees are usually deducted quarterly, and have a compounding effect on performance. The Morgan Stanley program fee, which differs among programs and clients, is described in the applicable Morgan Stanley ADV brochure, which is available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV) or on request from your Financial Advisor or Private Wealth Advisor.

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Fiduciary Services is a separately managed account program sponsored by Morgan Stanley. For periods for which sufficient data is available, the profile shows a composite of client accounts managed by the investment manager in the Fiduciary Services program. Through June 2012, Morgan Stanley offered the Fiduciary Services program through two channels - the Morgan Stanley channel and the Smith Barney channel. For periods through June 2012, any composite based on Fiduciary Services accounts consists of Fiduciary Services accounts managed by the manager in the strategy in either the Morgan Stanley channel or the Smith Barney channel. If the strategy or similar strategies were available in both the Morgan Stanley and Smith Barney forms of the program, through June 2012 this profile presents the composite for the strategy that is closest to the strategy currently offered in the Fiduciary Series program. If both strategies were equally close, this profile shows through June 2012 the longer of the two composites. From July 2012, any composite based on Fiduciary Services accounts consists of all Fiduciary Services accounts managed by the manager in the strategy, subject to any other limitations stated in this profile. Performance and other data for Fiduciary Services composites may differ from composites in other Morgan Stanley programs, and performance and data for composites in one channel may differ from composites in the other channel, due to differences such as the availability and weighting of securities, trading implementation or client objectives.

### Focus List, Approved List, and Watch Status:

Global Investment Manager Analysis ("GIMA") uses two methods to evaluate investment products in applicable advisory programs. In general, strategies that have passed a more thorough evaluation may be placed on the "Focus List", while strategies that have passed through a different and less comprehensive evaluation process may be placed on the "Approved List". Sometimes an investment product may be evaluated using the Focus List process but then placed on the Approved List instead of the Focus List.

Investment products may move from the Focus List to the Approved List, or vice versa. GIMA may also determine that an investment product no longer meets the criteria under either evaluation process and will no longer be recommended in investment advisory programs (in which case the investment product is given a "Not Approved" status).

GIMA has a "Watch" policy and may describe a Focus List or Approved List investment product as being on "Watch" if GIMA identifies specific areas that (a) merit further evaluation by GIMA and (b) may, but are not certain to, result in the investment product becoming "Not Approved". The Watch period depends on the length of time needed for GIMA to conduct its evaluation and for the investment manager to address any concerns. GIMA may, but is not obligated to, note the Watch status in this report with a "W" or "Watch" on the cover page.

For more information on the Focus List, Approved List, and Watch processes, please see the applicable Morgan Stanley ADV brochure ([www.ms.com/adv](http://www.ms.com/adv)). Your Financial Advisor or Private Wealth Advisor can provide on request a copy of a paper entitled "GIMA: At A Glance".

## ADDITIONAL DISCLOSURES

The information about a representative account is for illustrative purposes only. Actual account holdings, performance and other data will vary depending on the size of an account, cash flows within an account, and restrictions on an account. Holdings are subject to change daily. The information in this profile is not a recommendation to buy, hold or sell securities.

Actual portfolio statistics may vary from target portfolio characteristics.

The investment manager may use the same or substantially similar investment strategies, and may hold similar portfolios of investments, in other portfolios or products it manages (including mutual funds). These may be available at Morgan Stanley or elsewhere, and may cost an investor more or less than this strategy in the Morgan Stanley Fiduciary Services program.

The portfolio may, at times, invest in exchange-traded funds (ETFs), which are a form of equity security in seeking to maintain continued full exposure to the broad equity market.

Morgan Stanley investment advisory programs may require a minimum asset level and, depending on your specific investment objectives and financial position, may not be suitable for you. Investment advisory program accounts are opened pursuant to a written client agreement. The investment manager acts independently of, and is not an affiliate of, Morgan Stanley Smith Barney LLC. Diversification does not guarantee a profit or protect against a loss.

*No obligation to notify* Morgan Stanley has no obligation to notify you when information in this profile changes.

*Sources of information* Material in this profile has been obtained from sources that we believe to be reliable, but we do not guarantee its accuracy, completeness or timeliness. Third party data providers make no warranties or representations relating to the accuracy, completeness or timeliness of the data they provide and are not liable for any damages relating to this data.

*No tax advice* Morgan Stanley and its affiliates do not render advice on legal, tax and/or tax accounting matters to clients. Each client should consult his/her personal tax and/or legal advisor to learn about any potential tax or other implications that may result from acting on a particular recommendation.

*Not an ERISA fiduciary* Morgan Stanley is not acting as a fiduciary under either the Employee Retirement Income Security Act of 1974, as amended, or under section 4975 of the Internal Revenue Code of 1986, as amended, in providing the information in this profile.

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## INDEX DESCRIPTIONS

### 90-Day T-Bills

The 90-Day Treasury Bill is a short-term obligation issued by the United States government. T-bills are purchased at a discount to the full face value, and the investor receives the full value when they mature. The difference of discount is the interest earned. T-bills are issued in denominations of \$10,000 auction and \$1,000 increments thereafter.

### MSCI AC Wld xUS Nt

The MSCI ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The MSCI ACWI consists of 46 country indexes comprising 23 developed and 23 emerging market country indexes. The developed market country indexes included are: Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Hong Kong, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, the United Kingdom and the United States. The emerging market country indexes included are: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Russia, South Africa, Taiwan, Thailand, Turkey, and United Arab Emirates (as of June 2014). This index is excluding the United States. Performance is showing net withholding tax. Net total return indices reinvest dividends after the deduction of withholding taxes, using (for international indices) a tax rate applicable to non-resident institutional investors who do not benefit from double taxation treaties.

### S&P 500

The S&P 500 Total Return has been widely regarded as the best single gauge of the large cap U.S. equities market since the index was first published in 1957. The index has over \$5.58 trillion benchmarked, with index assets comprising approximately \$1.31 trillion of this total. The index includes 500 leading companies in leading industries of the U.S. economy, capturing 75% coverage of U.S. equities. This index includes dividend reinvestment.

**Indices are unmanaged and have no expenses. You cannot invest directly in an index.**

## GLOSSARY OF TERMS

**Alpha** is a mathematical estimate of risk-adjusted return expected from a portfolio above and beyond the benchmark return at any point in time.

**American Depository Receipts (ADRs)** are receipts for shares of a foreign-based corporation held in the vault of a U.S. bank.

**Average Portfolio Beta** is a measure of the sensitivity of a benchmark or portfolio's rates of return to changes against a market return. The market return is the S&P 500 Index. It is the coefficient measuring a stock or a portfolio's relative volatility.

**Beta** is a measure of the sensitivity of a portfolio's rates of return to changes in the market return. It is the coefficient measuring a stock or a portfolio's relative volatility.

**Bottom-Up Stock Selection** Emphasis primarily on individual stock selection. Considerations of economic and industry factors are of secondary importance in the investment decision-making process.

**Capitalization** is defined as the following: Mega (Above \$100 billion), Large (\$12 to \$100 billion), Medium (\$2.5 - \$12 billion), Small (\$.50 - \$2.5 billion) and Micro (below \$.50 billion).

**Dividend** a portion of a company's profit paid to common and preferred shareholders.

**Downside Risk** is a measure of the risk associated with achieving a specific target return. This statistic separates portfolio volatility into downside risk and upside uncertainty. The downside considers all returns below the target return, while the upside considers all returns equal to or above the target return.

**Duration** is a measure of price sensitivity expressed in years.

**High Grade Corporate Bonds** corporate bonds from issuers with credit ratings of AA or AAA.

**Information Ratio** is a measure of the investment manager's skill to add active value against a given benchmark relative to how stable that active return has been. Essentially, the information ratio explains how significant a manager's alpha is. Therefore, the higher the information ratio, the more significant the alpha.

**Investment Grade Bonds** are those rated by Standard & Poor's AAA (highest rated), AA, A or BBB (or equivalent rating by other rating agencies or, in the case of securities not rated, by the investment manager).

**Price/Book Ratio (P/B)** weighted average of the stocks' price divided by book value per share. Book value per share is defined as common equity, including intangibles, divided by shares outstanding times the adjustment factor.

**Price/Cash Flow Ratio** a ratio used to compare a company's market value to its cash flow. It is calculated by dividing the company's market cap by the company's operating cash flow in the most recent fiscal year (or the most recent four fiscal quarters); or, equivalently, divide the per-share stock price by the per-share operating cash flow.

**Price/Earnings Ratio (P/E Ratio)** shows the multiple of earnings at which a stock sells. Determined by dividing current stock price by current earnings per share (adjusted for stock splits). Earnings per share for the P/E ratio are determined by dividing earnings for past 12 months by the number of common shares outstanding. The P/E ratio shown here is calculated by the harmonic mean.

**Price/Sales Ratio** determined by dividing current stock price by revenue per share (adjusted for stock splits). Revenue per share for the P/S ratio is determined by dividing revenue for past 12 months by number of shares outstanding.

**R2 (R-Squared)/Portfolio Diversification** indicates the proportion of a security's total variance that is benchmark-related or is explained by variations in the benchmark.

**Sharpe Ratio** measures the efficiency, or excess return per unit of volatility, of a manager's returns. It evaluates managers' performance on a volatility-adjusted basis.

**Standard Deviation** is a statistical measure of historical variability or spread of returns around a mathematical average return that was produced by the investment manager over a given measurement period. The higher the standard deviation, the greater the variability in the investment manager's returns relative to its average return.

**Top-Down/Economic Analysis** Emphasis primarily on macroeconomic trends as opposed to bottom-up stock selection.

**Tracking Error** represents the standard deviation of the difference between the performance of the investment strategy and the benchmark. This provides a historical measure of the variability of the investment strategy's returns relative to its benchmark.

**U.S. Treasury Bonds** a marketable, fixed interest U.S. government debt security with a maturity of more than 10 years. Treasury bonds make interest payments semi-annually and the income that holders receive is only taxed at the federal level.

**Volatility** a measure of risk based on the standard deviation of the asset return. Volatility is a variable that appears in option pricing formulas, where it denotes the volatility of the underlying asset return from now to the expiration of the option. There are volatility indexes. Such as a scale of 1-9; a higher rating means higher risk.