

## Principal Global Investors

888 7th Ave; 25th Flr  
New York, New York 10019

Style: Preferred Securities  
Sub-Style: Preferred Securities  
Firm AUM: \$437.1 billion<sup>^</sup>  
Firm Strategy AUM: \$2.2 billion

Year Founded: 1983  
GIMA Status: Approved  
Firm Ownership: Principal Financial Group  
Professional-Staff: 1800

### PRODUCT OVERVIEW

Principal Global Investor, LLC's (Principal Global) investment philosophy is based on the belief that preferred securities have the potential to provide investors with the opportunity to receive relatively high current income and enhanced diversification. While the Preferred Security strategy is classified as fixed income for allocation purposes, the preferred securities in the strategy may be equity preferred securities (an equity position in issuer, pay dividends at the discretion of the issuer's board, and usually has no set maturity date) or debt preferred securities (a debt obligation of issuer, pay monthly or quarterly interest income, and may have fixed, long-term maturities), and may be shown in account statements and on trade confirmations as either equity or fixed income. The terms of individual preferred securities vary. Some issues have a mix of debt-like and equity-like features and attributes. Preferred securities may have higher yields than traditional fixed income securities, making them an attractive complement to traditional quality and debt instruments. The Preferred Securities strategy generates interest income as well as dividend income that may, depending on the investor's tax considerations, receive preferential tax treatment as Qualified Dividend Income (QDI) under current tax legislation. As well as the Preferred Securities strategy presented in this investment manager profile, Principal Global offers a Tax Advantaged version of this strategy in Personal Portfolio which tends to offer a greater percentage of QDI than the strategy presented in this profile. The Tax Advantaged portfolio focuses on after-tax yield and therefore may be preferred for taxable accounts. As individual circumstances may vary, please consult your tax professional for guidance.

### TARGET PORTFOLIO CHARACTERISTICS

Number of bond holdings:	110 to 130
Average maturity:	17.0 to 100.0 years
Average duration:	5.0 to 10.0 years
Average coupon:	4.0 to 9.0%
Average turnover rate:	10 to 30%

### PORTFOLIO STATISTICS

	-----06/20-----	12/19	
	Principal Global	Index***	Principal Global
Number of bond holdings	113	—	112
Yield	5.3	—	4.9
Distribution Rate	—	—	—
Avg maturity	83.2 yrs.	—	78.81 yrs.
Avg duration	6.23 yrs.	—	3.32 yrs.
Avg coupon	5.3%	—	5.2%

### FIXED INCOME SECTOR DISTRIBUTION (%)<sup>+</sup>

	06/20	03/20	12/19	09/19
Cash/Cash Equivalents	5.72	2.23	8.84	0.00
Preferreds	94.28	97.77	91.16	

<sup>^</sup>As of 03/31/2020. Information as of 06/30/2020 is not yet available.

<sup>+</sup>Total may not equal 100% due to rounding.

\*\*\*Index : ML Pref Stock Fixed Rate - POP1

**MANAGER'S INVESTMENT PROCESS**

- Overall portfolio strategy is created through a collaboration of a small team of well experienced senior management professionals, purely focused on the preferred securities market
- Principal Global's process seeks to create value through bottom up security selection solely in investment grade preferred securities
- The strategy is credit driven and has a conservative bias focusing on stable and improving credits that offer a high level of income
- Key drivers in the security selection process are credit strength and yield. The security yield must be enticing, given the credit rating and credit trend relative to other preferred securities. In addition, the preferred issue is analyzed relative to the real or theoretical level of the same issuer's corporate debt. Features such as call protection, (ie. the issuer cannot buy back the security until after a specified date), subordination, and option-adjusted spreads are assessed to ensure a given issue provides a yield premium to justify its inclusion in the portfolio

**RISK CONSIDERATIONS**

This strategy expects to hold a concentrated portfolio of a limited number of securities, a decline in the value of these investments would cause the portfolio's overall value to decline to a greater degree than that of a less concentrated portfolio. The majority of preferred securities are 'callable' meaning that the issuer may retire the securities at specific prices and dates prior to maturity. Interest/dividend payments on certain preferred issues may be deferred by the issuer for periods of up to 5 to 10 years, depending on the particular issue. The investor would still have income tax liability even though payments would not have been received. The initial interest rate on a floating rate or index-linked preferred security is often lower than that of a fixed-rate security of the same maturity because the issuer may be required to pay a higher rate of interest over time, due to increases in the floating/linked index. However, there can be no assurance that increases in the floating/linked index will occur. Some floating/linked indexes may be subject to call risk. Investing in securities entails risks, including: Fixed Income securities may be sensitive to changes in prevailing interest rates. When rates rise the value generally declines. There is no assurance that the private guarantors or insurers will meet their obligations. U.S. Treasuries are guaranteed by the U.S. government and, if held to maturity, offer a fixed rate of return and fixed principal value. 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. Bonds rated below investment grade may have speculative characteristics and present significant risks beyond those of other securities, including greater credit risk and price volatility in the secondary market. Investors should be careful to consider these risks alongside their individual circumstances, objectives and risk tolerance before investing in high-yield bonds. If a strategy expects to hold a concentrated portfolio of a limited number of securities, it should be noted that a decline in the value of these investments would cause the portfolio's overall value to decline to a greater degree than that of a less concentrated portfolio.

**PORTFOLIO'S MATURITY STRUCTURE (%) \***

	06/20	03/20	12/19	09/19
0 to 2 Years	0.00	0.00	0.00	0.00
2 to 4 Years	0.00	0.00	0.00	0.00
4 to 6 Years	0.00	0.00	0.00	0.00
6 to 8 Years	0.00	0.00	0.00	0.00
8 to 12 Years	0.00	0.00	0.00	0.00
12 to 17 Years	0.00	0.00	0.00	0.00
Over 17 Years	94.28	97.77	91.16	0.00
Cash/Cash Equivalents	5.72	2.23	8.84	0.00

**PORTFOLIO'S CREDIT QUALITY STRUCTURE (%) \***

**Investment Grade**

	06/20	03/20	12/19	09/19
AAA	5.72	2.23	8.84	0.00
AA	0.00	0.00	0.00	0.00
A	2.30	1.99	1.82	0.00
BBB	65.09	68.28	62.61	0.00

**Below Investment Grade**

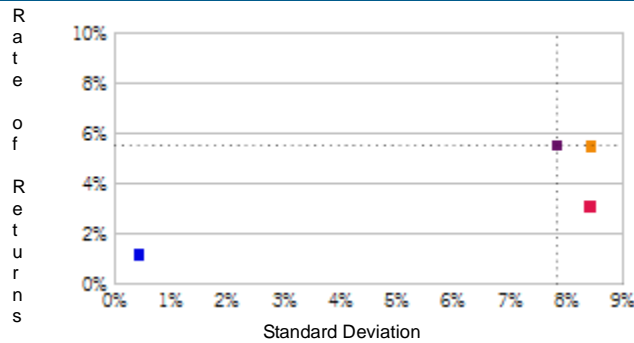
BB	26.89	27.08	26.23	0.00
B	0.00	0.42	0.50	0.00
Below B	0.00	0.00	0.00	0.00
Not Rated	0.00	0.00	0.00	0.00
Cash/Cash Equivalents	0.00	0.00	0.00	0.00

<sup>^</sup>As of 03/31/2020. Information as of 06/30/2020 is not yet available.

<sup>\*</sup>Total may not equal 100% due to rounding.

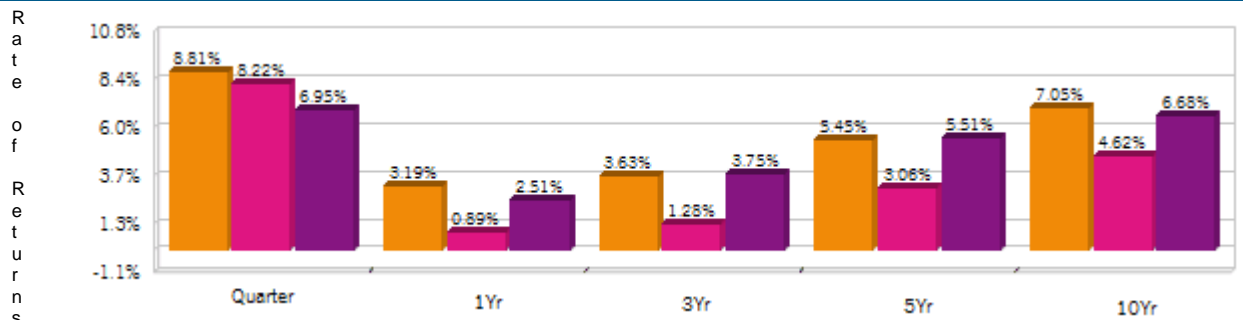
<sup>\*\*\*</sup>Index : ML Pref Stock Fixed Rate - P0P1

RISK/RETURN ANALYSIS - 5 YEARS ENDING 06/30/20



	STD	ROR
Principal Global (Gross)	8.46	5.45
Principal Global (Net)	8.43	3.06
ML Pref Stock Fixed Rate - POP1	7.84	5.51
90-Day T-Bills	0.43	1.15

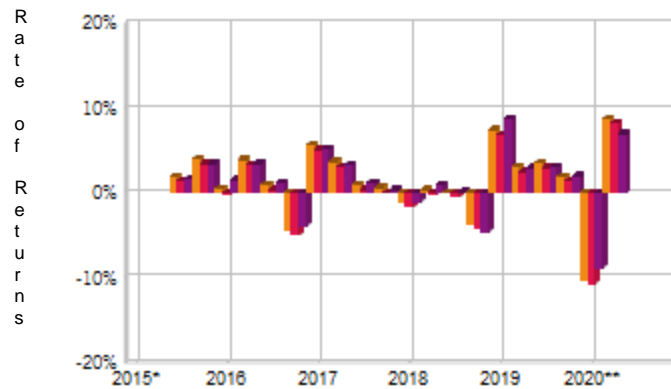
AVERAGE ANNUAL TOTAL RETURN (%) - PERIODS ENDING 06/30/20



INVESTMENT RESULTS

	Annual Rates of Return (%)										10 Year - Ending 06/30/20	
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Annual	Std. Dev.
Principal Global (Gross)	15.02	3.30	16.84	-4.14	16.43	8.60	0.84	11.30	-4.18	17.03	7.05	7.97
Principal Global (Net)	12.41	0.95	14.21	-6.33	13.80	6.14	-1.47	8.77	-6.41	14.40	4.62	7.94
ML Pref Stock Fixed Rate - POP1	13.66	4.11	13.59	-3.65	15.44	7.58	2.32	10.58	-4.34	17.71	6.68	7.25

RISK VOLATILITY (%)



\*07/01/15-12/31/15      \*\*01/01/20-06/30/20

	Number Of	Up Qtrs.	Down
Principal Global (Gross)	16	4	
Principal Global (Net)	13	7	
ML Pref Stock Fixed Rate - POP1	16	4	

PORTFOLIO'S QUARTERLY RETURNS (%)

	Quarter1		Quarter2		Quarter3		Quarter4	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net
2010	6.56	5.94	-1.74	-2.31	10.35	9.74	-0.45	-1.03
2011	3.35	2.76	2.09	1.50	-3.84	-4.41	1.82	1.25
2012	8.10	7.50	2.88	2.28	3.76	3.17	1.25	0.67
2013	3.03	2.44	-2.67	-3.22	-4.29	-4.86	-0.11	-0.69
2014	7.60	6.99	4.46	3.87	0.77	0.18	2.80	2.21
2015	3.72	3.13	-1.26	-1.83	1.96	1.38	4.00	3.41
2016	0.53	-0.06	3.90	3.30	0.97	0.40	-4.38	-4.94
2017	5.66	5.06	3.70	3.10	0.96	0.38	0.62	0.03
2018	-1.01	-1.60	0.36	-0.23	0.08	-0.50	-3.62	-4.19
2019	7.50	6.91	3.08	2.49	3.55	2.96	1.99	1.40
2020	-10.20	-10.71	8.81	8.22				

Related      Select UMA

PORTFOLIO'S RISK STATISTICS -€" PERIODS ENDING 06/30/20 <sup>1 2</sup>

	3 Year	5 Year
Standard Deviation	9.86%	8.46%
Standard Deviation of Primary Benchmark	9.27%	7.84%
Sharpe Ratio	0.19	0.51
Sharpe Ratio of Primary Benchmark	0.22	0.56
Alpha	-0.17%	-0.30%
Beta	1.05	1.06
Downside Risk	1.19%	1.07%
R-Squared	0.97	0.97
Tracking Error	1.76%	1.52%
Information Ratio	-0.07	-0.04

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

	R <sup>2</sup>
Principal Global vs. ML Pref Stock Fixed Rate - POP1	0.98

+Statistics are calculated using gross of fee performance only.

1. Statistics are calculated using gross of fee performance only.  
2. ML Pref Stock Fixed Rate - POP1 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

**The disclosures provided below apply to performance information in this profile, if any. Past performance is not a 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 achieve its intended results under all market conditions. Do not rely upon 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 calendar 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. No representation is being made that any portfolio will or is likely to achieve profits or losses similar to those shown. Returns will fluctuate and an investment upon redemption may be worth more or less than its original value. Performance shown does not reflect the impact of fees and expenses of the underlying mutual fund and ETFs, as applicable.

**Sources of Performance Results and Other Data:** The performance data and certain other information for this strategy (including the data on page 1 of this profile) may include one or more of the following: (i) the performance results of a composite of Morgan Stanley accounts managed by the third party investment manager, (ii) the performance results for accounts and investment products managed by the third party investment manager, in the same or a substantially similar investment strategy outside of the applicable Morgan Stanley program, and/or (iii) in the case of Model Portfolio Strategies, the Model Portfolio Provider's results in managing accounts outside of the Morgan Stanley Select UMA program prior to Model Portfolio Strategy's inception in the Morgan Stanley Select UMA program. For periods through June 2012, the Fiduciary Services program operated through two channels – the Morgan Stanley channel and the Smith Barney channel and any performance and other data relating to Fiduciary Services accounts shown here for these periods is calculated using accounts in only one of the these channels.) Please note that the Fiduciary Services program was closed on January 2, 2018. Although the Fiduciary Services and Select UMA programs are both Morgan Stanley managed account programs, the performance results and other features of similar investment strategies in the two programs may differ due to investment and operational differences. Performance in one program is not indicative of potential performance in the other. For example, the individual investment strategies in Select UMA program accounts may contain fewer securities, which would lead to a more concentrated portfolio. The automatic rebalancing, wash sale loss and tax harvesting features of the Select UMA program, which are not available in Fiduciary Services, also could cause differences in performance. In addition, any performance results included in this profile that are based on a third party investment manager's accounts that are not part of the Morgan Stanley program accounts or institutional accounts that are part of the Model Portfolio strategy may differ due to investment and operational differences as well. As such, performance results of the third party investment manager's composites and the third party Model Portfolio Strategies may differ from those of Select UMA accounts managed in the same or a substantially similar investment strategy. For example, in the case of Model Portfolio Strategies, Morgan Stanley, as the investment manager, may deviate from the Third Party Model Portfolios.

With respect to those accounts that are subject to the Employee Retirement Income Security Act of 1974 and/or Section 4975 of the Internal Revenue Code of 1986, as amended, and are invested in an investment strategy managed by a Sub-Manager that is an affiliate of MSSB, the Sub-Manager fees will be reduced to 0.00%

**Related Performance:**

Spectrum Asset Mgmt.'s (Principal Global) market duration preferred securities strategy prior to 4/1/2006 represents an institutional composite of all fully discretionary market duration institutional preferred securities accounts managed by Principal Global. The composite was size-weighted and consisted of 41 accounts with a market value of \$9.8 billion as of 3/31/2006. Subsequent to 3/31/2006, the performance represents a composite of all fully discretionary retail market duration preferred securities accounts managed by Principal Global in an outside wrap fee platform (not the Morgan Stanley Select UMA program). The composite is size-weighted and consists of 14 accounts with a market value of \$958.9 million as of 06/30/20.

**Morgan Stanley Performance:**

The composite consists of **921** account(s) with a market value of **\$418.4 million** as of **06/30/2020**. In this profile, the performance from October 1, 2008 through June 30, 2012 consists of accounts managed by the investment manager in this strategy in either the Morgan Stanley or the Smith Barney form of the Fiduciary Services program. From July 1, 2012 through December 31, 2015, performance consists of all Fiduciary Services (FS) accounts managed by the investment manager in this strategy, subject to any other limitations stated in this profile. From January 1, 2016, performance consists of the performance of all FS accounts (as described in the previous sentence) as well as the performance of all single style Select UMA accounts managed by the investment manager in this strategy, subject to any other limitations stated in this profile. Performance composites calculated by Morgan Stanley include all fee-paying portfolios with no investment restrictions. New accounts are included beginning with the second full calendar month of performance. Terminated accounts are removed in the month in which they terminate (but prior performance of terminated accounts is retained). Performance is calculated on a total return basis and by asset weighting the individual portfolio returns using the beginning of period values.

**Gross Performance:** Principal Global's gross results do not reflect a deduction of any investment advisory fees or program fees, charged by Principal Global or Morgan Stanley, but are net of commissions charged on securities transactions.

**Net Performance for all Periods:** Net performance results reflect a deduction of 0.58% quarterly. This consists of three components: 0.5% maximum quarterly MS Advisory Fee and 0.0175% maximum quarterly Program Overlay Fee (which, together cover the services provided by Morgan Stanley), plus 0.0625% quarterly SMA Manager Fees (being the fee currently charged by Principal Global to new clients for managing their assets in the Select UMA program). The SMA Manager Fees may differ from manager to manager, and managers may change their fee to new clients from time to time. If you select this manager for your account, check the SMA Manager Fees specified in the written client agreement, in case these have changed since you received this profile. Historical net fees reflect the Advisory Fee Schedule as of October 1, 2018. 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. Document approval date June 2015. CRC 1230315 06/2015

**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 Model Portfolio Provider or 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 Morgan Stanley's Select UMA program.

Overlay Managers or Executing Sub-Managers ("managers") in some of Morgan Stanley's Separately Managed Account ("SMA") programs may affect transactions through broker-dealers other than Morgan Stanley or our affiliates. If your manager trades with another firm, you may be assessed costs by the other firm in addition to Morgan Stanley's fees. Those costs will be included in the net price of the security, not separately reported on trade confirmations or account statements. Certain managers have historically directed most, if not all, of their trades to outside firms. Information provided by managers concerning trade execution away from Morgan Stanley is summarized at: [www.morganstanley.com/wealth/investmentsolutions/pdfs/adv/sotresponse.pdf](http://www.morganstanley.com/wealth/investmentsolutions/pdfs/adv/sotresponse.pdf). For more information on trading and costs, please refer to the ADV Brochure for your program(s), available at [www.morganstanley.com/ADV](http://www.morganstanley.com/ADV), or contact your Financial Advisor/Private Wealth Advisor.

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.



**ML Pref Stock Fixed Rate - P0P1**

The Merrill Lynch Fixed Rate Preferred Securities Index tracks the performance of fixed rate US dollar denominated preferred securities issued in the US domestic market. Qualifying securities must be rated investment grade (based on an average of Moodys, S&P and Fitch) and must have an investment grade rated country of risk (based on an average of Moodys, S&P and Fitch foreign currency long term sovereign debt ratings). In addition, qualifying securities must be issued as public securities or through a 144a filing, must be issued in \$25, \$50, or \$100 par/liquidation preference increments, must have a fixed coupon or dividend schedule and must have a minimum amount outstanding of \$100 million. Fixed-to-floating rate securities qualify for inclusion in the Index provided they are callable prior to the floating rate period and are at least one year from the start of the floating rate period. The Index includes preference shares (perpetual preferred securities), American Depository Shares/Receipts (ADS/R), domestic and Yankee trust preferred securities having a minimum remaining term of at least one year, both DRD-eligible and non-DRD eligible preferred stock and senior debt. Auction market securities, convertibles, floaters, purchase units, purchase contracts, corporate pay-in-kind securities, securities issued by closed-end funds and derivative instruments such as repackaged securities and credit default swaps are excluded from the Index.

**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).

**Distribution Rate** is defined as the most recent distribution paid, annualized, and then divided by the current market price. Distribution rate may consist of investment income, short-term capital gains, long-term capital gains, and /or returns of capital.

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

**Dividend Yield** annual dividend per share divided by price per share. Dividend Yield for the portfolio is a weighted average of the results for the individual stocks in the portfolio.

**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' 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.