

# **SAMPLE NM High-Level Overview Report**

Prepared for Test Client by Brittany Reed at NM May 10, 2022

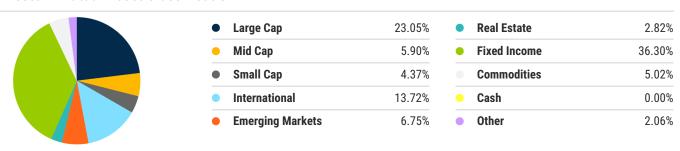
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General			
Dividend Yield (TTM)	3.82%	Expense Ratio	0.33%
Distribution Yield (TTM) 4.68%		Number of Holdings	22
Stock			
Weighted Average PE Ratio	16.86	Weighted Median ROA	8.15%
Weighted Average Price to Sales Ratio	2.237	Avg. Market Cap	67.40B
Weighted Average Price to Book Ratio	2.559	Weighed Avg. Debt to Capital	38.93
Weighted Median ROE	21.75%	Number of Stock Holdings	
Bond			
Current Yield	3.13%	Average Credit Score	7.447
Yield to Maturity	3.24%	Average Price	100.78
Effective Duration	4.862	Number of Bond Holdings	
Average Coupon	2.98%		

# **Northwestern Mutual Asset Classification**



## **Asset Allocation**



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# **Geographic Exposure**

Market Classification		Region			
<ul><li>% Developed Markets</li></ul>	93.88%	<ul><li>Americas</li></ul>		76.84%	
% Emerging Markets	6.12%	Greater Europe		13.58%	
		Greater Asia		9.58%	
Risk Info			Da	ata as of April 30, 2022	
		3 Yr.	5 Yr.	10 Yr.	
Alpha		-2.387	-2.156		
Beta		1.127	1.118		
Standard Deviation		13.73%	11.58%		
Historical Sharpe		0.3718	0.383		
Historical Sortino		0.3205	0.3526		
Max Drawdown		24.34%	24.34%		
Monthly Value at Risk (VaR) 5%		4.31%	4.02%		

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Top 10 Holdings

Data as of May 10, 2022



Vanguard FTSE Emerging Markets ETF

American Funds New World F2

3.38%

3.37%

40.80

65.61

-21.61%

-24.00%

Performance data quoted presents past performance; past performance does not guarantee future results; the investment return and principal value of an investment will fluctuate; an investor's shares, when redeemed, may be worth more or less than their original cost; current performance may be lower or higher than quoted performance data and can be accessed at https://go.ycharts.com/fund\_contact\_info (See Important Disclosures for standardized returns information).

VWO

**NFFFX** 

## **Performance Disclosure**

THIS IS NOT AN INVESTMENT PERFORMANCE REPORT. DO NOT RELY ON THIS REPORT FOR INVESTMENT ACCOUNT PERFORMANCE. For mutual funds, standardized return is total return adjusted for sales charges, and reflects all ongoing fund expenses. Following this disclosure statement, standardized returns for each portfolio holding are shown. For money market mutual funds, standardized return is total return adjusted for sales charges and reflects all ongoing fund expenses. Current 7-day yield reflects the current earnings of the money-market fund rather than the total return quotation. For ETFs, the standardized returns reflect performance, both at market price and NAV price, without adjusting for the effects of taxation or brokerage commissions. These returns are adjusted to reflect all ongoing ETF expenses and assume reinvestment of dividends and capital gains. If adjusted, the effects of taxation would reduce the performance quoted. The performance data quoted represents past performance and does not guarantee future results. This report presents purely hypothetical information about performance and is not a report from NMIS or NMWMC regarding how your investments have performed. This report does not reflect how you invested your money over any past time period. Results reflect the deduction of investment advisory fees. The client's return will be reduced by those fees and by any other management fees and expenses the client's account(s) may incur. The advisory and other fees are described in the Disclosure Brochure or client agreement for the advisory programs being recommended or used. Compounded over a number of years, investment advisory fees will reduce the value of a client's account. For example, over ten years, a 1.65% advisory fee would reduce return on a \$100,000 investment in an account with an assumed rate of return of 8% from \$215,900 to \$182,800. The preceding example uses time-weighted rates of return. Performance results do not reflect securities transaction costs unless otherwise stated.

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All Holdings

Data as of May 10, 2022

Symbol	Name	% Weight	Close Price (Daily)	Annuali. 1 Year Total Returns (Monthly)	Annuali. 3 Year Total Returns (Monthly)	Annuali. 5 Year Total Returns (Monthly)	Annuali. 10 Year Total Returns (Monthly)	Annuali. All Time Total Returns (Monthly)
IVV	iShares Core S&P 500 ETF	16.92%	399.92	0.04%	13.80%	13.62%	13.62%	6.86%
BND	Vanguard Total Bond Market ETF	16.37%	75.59	-8.71%	0.34%	1.16%	1.66%	3.22%
SCHF	Schwab International Equity ETF™	6.62%	32.61	-8.86%	4.92%	5.15%	5.68%	5.27%
PONPX	PIMCO Income I2	6.62%	10.86	-5.28%	1.62%	2.79%	5.43%	6.91%
VCSH	Vanguard Short-Term Corporate Bond ETF	5.16%	76.84	-5.54%	0.98%	1.56%	1.91%	2.43%
FEPIX	Fidelity Advisor® Total Bond I	4.58%	9.86	-7.44%	1.54%	2.01%	2.57%	4.24%
OAYLX	Oakmark Select Advisor	4.08%	54.02	-7.73%	10.08%	6.31%	9.98%	11.49%
WATFX	Western Asset Core Bond I	3.57%	11.32	-11.10%	-0.11%	1.23%	2.31%	5.95%
VWO	Vanguard FTSE Emerging Markets ETF	3.38%	40.80	-15.72%	2.83%	4.25%	2.94%	5.88%
NFFFX	American Funds New World F2	3.37%	65.61	-18.29%	5.71%	7.09%	6.04%	7.78%
IJR	iShares Core S&P Small-Cap ETF	2.99%	96.22	-8.71%	9.06%	8.87%	11.76%	9.87%
IJH	iShares Core S&P Mid-Cap ETF	2.96%	238.99	-7.07%	9.86%	9.25%	11.35%	9.41%
PFPMX	Parnassus Mid Cap Institutional	2.94%	36.22	-10.67%	6.88%	8.19%	10.64%	9.15%
CSDIX	Cohen & Steers Real Estate Securities I	2.82%	18.06	8.94%	12.25%	10.86%	11.02%	10.19%
EZU	iShares MSCI Eurozone ETF	2.69%	38.19	-15.41%	2.28%	3.04%	5.79%	2.42%
IAU	iShares Gold Trust	2.51%	35.21	6.94%	13.61%	8.10%	1.05%	8.71%
PCLPX	PIMCO CommoditiesPLUS® Strategy I2	2.51%	9.26	55.28%	20.23%	16.14%	2.37%	4.43%
FMIYX	FMI International Institutional	2.47%	31.29	-5.80%	3.07%	3.52%	7.33%	7.21%
GMBXX	Dreyfus Money Market Service	2.06%	1.00	0.01%	0.34%	0.57%	0.29%	3.44%
VLUE	iShares MSCI USA Value Factor ETF	2.05%	98.34	-3.03%	8.97%	8.91%		10.58%
GICIX	Goldman Sachs Intl Sm Cp Insghts Instl	1.94%	11.43	-11.58%	4.71%	4.24%	7.70%	4.81%
BCSSX	Brown Capital Mgmt Small Co Instl	1.38%	79.49	-26.29%	1.88%	9.19%	12.55%	11.79%

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		%	Close Price	1 Year Total Returns	Annuali. 3 Year Total Returns	Annuali. 5 Year Total Returns	Annuali. 10 Year Total Returns	Annuali. All Time Total Returns
Symbol	Name	Weight	(Daily)	(Quarter.)	(Quarter.)	(Quarter.)	(Quarter.)	(Quarter.)
IVV	iShares Core S&P 500 ETF	16.92%	453.69	15.55%	18.92%	15.96%	14.60%	7.34%
BND	Vanguard Total Bond Market ETF	16.37%	79.54	-4.11%	1.70%	2.15%	2.19%	3.52%
SCHF	Schwab International Equity ETF™	6.62%	36.72	0.74%	8.45%	7.10%	6.24%	5.91%
PONPX	PIMCO Income I2	6.62%	11.32	-1.64%	2.83%	3.49%	5.86%	7.10%
VCSH	Vanguard Short-Term Corporate Bond ETF	5.16%	78.09	-3.68%	1.57%	1.96%	2.11%	2.57%
FEPIX	Fidelity Advisor® Total Bond I	4.58%	10.38	-2.98%	2.92%	2.94%	3.07%	4.44%
OAYLX	Oakmark Select Advisor	4.08%	60.25	8.62%	16.36%	8.63%	11.15%	11.98%
WATFX	Western Asset Core Bond I	3.57%	12.01	-5.75%	1.60%	2.38%	2.92%	6.12%
VWO	Vanguard FTSE Emerging Markets ETF	3.38%	46.13	-8.90%	5.65%	5.84%	3.34%	6.25%
NFFFX	American Funds New World F2	3.37%	76.85	-6.60%	9.79%	9.74%	7.01%	8.23%
IJR	iShares Core S&P Small-Cap ETF	2.99%	107.88	0.90%	13.50%	10.87%	12.52%	10.32%
IJH	iShares Core S&P Mid-Cap ETF	2.96%	268.34	4.45%	14.06%	11.05%	12.13%	9.82%
PFPMX	Parnassus Mid Cap Institutional	2.94%	40.48	0.79%	10.01%	9.76%	11.31%	9.60%
CSDIX	Cohen & Steers Real Estate Securities I	2.82%	20.62	23.48%	13.87%	11.87%	11.81%	10.41%
EZU	iShares MSCI Eurozone ETF	2.69%	43.27	-4.50%	6.62%	5.51%	5.98%	2.79%
IAU	iShares Gold Trust	2.51%	36.83	13.25%	14.15%	8.92%	1.25%	8.89%
PCLPX	PIMCO CommoditiesPLUS® Strategy I2	2.51%	9.150	61.58%	19.90%	14.71%	1.89%	4.13%
FMIYX	FMI International Institutional	2.47%	33.55	0.11%	5.12%	4.55%	7.72%	7.56%
GMBXX	Dreyfus Money Market Service	2.06%	1.000	0.01%	0.38%	0.57%	0.29%	3.44%
VLUE	iShares MSCI USA Value Factor ETF	2.05%	104.57	4.71%	12.39%	10.26%		11.42%
GICIX	Goldman Sachs Intl Sm Cp Insghts Instl	1.94%	12.83	-1.88%	7.49%	6.42%	8.24%	5.26%
BCSSX	Brown Capital Mgmt Small Co Instl	1.38%	103.07	-12.23%	9.13%	12.89%	14.20%	12.39%

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		Incontion	%	Close Price	1 Year Total NAV	Annuali. 3 Year Total NAV	Annuali. 5 Year Total NAV	Annuali. 10 Year Total NAV	Annuali. All Time Total NAV
Symbol	Name	Inception Date	Weight	(Daily)	Returns (Quarter.)	Returns (Quarter.)	Returns (Quarter.)	Returns (Quarter.)	Returns (Quarter.)
IVV	iShares Core S&P 500 ETF	2000-05-15	16.92%	453.69	15.61%	18.89%	15.95%	14.59%	7.33%
BND	Vanguard Total Bond Market ETF	2007-04-03	16.37%	79.54	-4.08%	1.69%	2.14%	2.20%	3.52%
SCHF	Schwab International Equity ETF™	2009-11-03	6.62%	36.72	1.65%	8.83%	7.33%	6.41%	5.96%
PONPX	PIMCO Income I2	2008-04-30	6.62%	11.32	-1.64%	2.83%	3.49%	5.86%	7.10%
VCSH	Vanguard Short-Term Corporate Bond ETF	2009-11-19	5.16%	78.09	-3.52%	1.61%	1.97%	2.14%	2.60%
FEPIX	Fidelity Advisor® Total Bond I	2004-06-16	4.58%	10.38	-2.98%	2.92%	2.94%	3.07%	4.44%
OAYLX	Oakmark Select Advisor	2016-11-30	4.08%	60.25	8.62%	16.36%	8.63%	11.15%	11.98%
WATFX	Western Asset Core Bond I	1990-09-04	3.57%	12.01	-5.75%	1.60%	2.38%	2.92%	6.12%
VWO	Vanguard FTSE Emerging Markets ETF	2005-03-04	3.38%	46.13	-8.60%	5.68%	5.88%	3.35%	6.21%
NFFFX	American Funds New World F2	2008-08-01	3.37%	76.85	-6.60%	9.79%	9.74%	7.01%	8.23%
IJR	iShares Core S&P Small-Cap ETF	2000-05-22	2.99%	107.88	1.12%	13.52%	10.86%	12.53%	10.32%
IJH	iShares Core S&P Mid-Cap ETF	2000-05-22	2.96%	268.34	4.51%	14.08%	11.04%	12.13%	9.82%
PFPMX	Parnassus Mid Cap Institutional	2015-04-30	2.94%	40.48	0.79%	10.01%	9.76%	11.31%	9.60%
CSDIX	Cohen & Steers Real Estate Securities I	1998-07-15	2.82%	20.62	23.48%	13.87%	11.87%	11.81%	10.41%
EZU	iShares MSCI Eurozone ETF	2000-07-25	2.69%	43.27	-4.52%	6.65%	5.46%	6.00%	2.79%
IAU	iShares Gold Trust	2005-01-21	2.51%	36.83	14.56%	14.17%	9.03%	1.31%	8.90%
PCLPX	PIMCO CommoditiesPLUS® Strategy I2	2010-05-28	2.51%	9.150	61.58%	19.90%	14.71%	1.89%	4.13%
<b>FMIYX</b>	FMI International Institutional	2016-10-31	2.47%	33.55	0.11%	5.12%	4.55%	7.72%	7.56%
GMBXX	Dreyfus Money Market Service	1995-03-31	2.06%	1.000	0.01%	0.38%	0.57%	0.29%	3.44%
VLUE	iShares MSCI USA Value Factor ETF	2013-04-16	2.05%	104.57	4.78%	12.40%	10.26%		11.19%
GICIX	Goldman Sachs Intl Sm Cp Insghts Instl	2007-09-28	1.94%	12.83	-1.88%	7.49%	6.42%	8.24%	5.26%
BCSSX	Brown Capital Mgmt Small Co Instl	2011-12-15	1.38%	103.07	-12.23%	9.13%	12.89%	14.20%	12.39%

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Symbol	Name	% Weight	Close Price (Daily)	Maximum Front Load	Maximum Deferre. Load	Maximum Redempt. Fee	Gross Expense Ratio	Expense Ratio
IVV	iShares Core S&P 500 ETF	16.92%	399.92				0.03%	0.03%
BND	Vanguard Total Bond Market ETF	16.37%	75.59				0.03%	0.03%
SCHF	Schwab International Equity ETF™	6.62%	32.61				0.06%	0.06%
PONPX	PIMCO Income I2	6.62%	10.86				0.72%	0.72%
VCSH	Vanguard Short-Term Corporate Bond ETF	5.16%	76.84				0.04%	0.04%
FEPIX	Fidelity Advisor® Total Bond I	4.58%	9.86				0.50%	0.50%
OAYLX	Oakmark Select Advisor	4.08%	54.02				0.88%	0.86%
WATFX	Western Asset Core Bond I	3.57%	11.32				0.54%	0.46%
vwo	Vanguard FTSE Emerging Markets ETF	3.38%	40.80				0.08%	0.08%
NFFFX	American Funds New World F2	3.37%	65.61				0.68%	0.68%
IJR	iShares Core S&P Small-Cap ETF	2.99%	96.22				0.06%	0.06%
IJH	iShares Core S&P Mid-Cap ETF	2.96%	238.99				0.05%	0.05%
PFPMX	Parnassus Mid Cap Institutional	2.94%	36.22				0.75%	0.75%
CSDIX	Cohen & Steers Real Estate Securities I	2.82%	18.06				0.84%	0.84%
EZU	iShares MSCI Eurozone ETF	2.69%	38.19				0.50%	0.50%
IAU	iShares Gold Trust	2.51%	35.21				0.25%	0.25%
PCLPX	PIMCO CommoditiesPLUS® Strategy I2	2.51%	9.26				1.07%	0.84%
FMIYX	FMI International Institutional	2.47%	31.29				0.80%	0.80%
GMBXX	Dreyfus Money Market Service	2.06%	1.00				1.05%	1.00%
VLUE	iShares MSCI USA Value Factor ETF	2.05%	98.34				0.15%	0.15%
GICIX	Goldman Sachs Intl Sm Cp Insghts Instl	1.94%	11.43				0.92%	0.87%
BCSSX	Brown Capital Mgmt Small Co Instl	1.38%	79.49				1.04%	1.04%

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Standardized Yields

Data as of May 10, 2022

Symbol	Name	% Weight	Close Price (Daily)	7-Day SEC Yield	7-Day Unsubsi. SEC Yield	30-Day SEC Yield	30-Day Unsubsi. SEC Yield
IVV	iShares Core S&P 500 ETF	16.92%	399.92			1.31%	
BND	Vanguard Total Bond Market ETF	16.37%	75.59			3.04%	2.93%
SCHF	Schwab International Equity ETF™	6.62%	32.61			2.38%	2.38%
PONPX	PIMCO Income I2	6.62%	10.86	8.18%	0.05%	3.45%	3.45%
VCSH	Vanguard Short-Term Corporate Bond ETF	5.16%	76.84			3.46%	3.34%
FEPIX	Fidelity Advisor® Total Bond I	4.58%	9.86			2.84%	
OAYLX	Oakmark Select Advisor	4.08%	54.02				
WATFX	Western Asset Core Bond I	3.57%	11.32	2.49%		2.45%	2.34%
VWO	Vanguard FTSE Emerging Markets ETF	3.38%	40.80				
NFFFX	American Funds New World F2	3.37%	65.61	1.07%	1.07%	0.42%	0.42%
IJR	iShares Core S&P Small-Cap ETF	2.99%	96.22			1.15%	
IJH	iShares Core S&P Mid-Cap ETF	2.96%	238.99			1.26%	
PFPMX	Parnassus Mid Cap Institutional	2.94%	36.22				
CSDIX	Cohen & Steers Real Estate Securities I	2.82%	18.06			1.20%	1.20%
EZU	iShares MSCI Eurozone ETF	2.69%	38.19			1.43%	
IAU	iShares Gold Trust	2.51%	35.21				
PCLPX	PIMCO CommoditiesPLUS® Strategy I2	2.51%	9.26		0.00%	0.06%	-0.19%
FMIYX	FMI International Institutional	2.47%	31.29				
GMBXX	Dreyfus Money Market Service	2.06%	1.00	0.01%	1.26%	0.01%	
VLUE	iShares MSCI USA Value Factor ETF	2.05%	98.34			2.55%	
GICIX	Goldman Sachs Intl Sm Cp Insghts Instl	1.94%	11.43	0.00%			
BCSSX	Brown Capital Mgmt Small Co Instl	1.38%	79.49				

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Benchmark Information

Data as of March 31, 2022

Symbol	Name	% Weight	Close Price (Daily)	1 Year Total Returns (Quarter.)	Annuali. 3 Year Total Returns (Quarter.)	Annuali. 5 Year Total Returns (Quarter.)	Annuali. 10 Year Total Returns (Quarter.)	Annuali. All Time Total Returns (Quarter.)
AGG	iShares Core US Aggregate Bond ETF	38.91%	107.10	-4.28%	1.55%	2.08%	2.16%	3.51%
SPY	SPDR® S&P 500 ETF Trust	22.90%	451.64	15.47%	18.88%	15.90%	14.53%	10.35%
EFA	iShares MSCI EAFE ETF	12.73%	73.60	0.27%	7.45%	6.47%	6.10%	5.28%
IJH	iShares Core S&P Mid-Cap ETF	5.93%	268.34	4.45%	14.06%	11.05%	12.13%	9.82%
EEM	iShares MSCI Emerging Markets ETF	5.80%	45.15	-13.70%	3.90%	4.95%	2.63%	9.66%
DJP	iPath® Bloomberg Cmdty TR ETN	4.94%	36.91	56.00%	17.66%	9.43%	-1.36%	-1.91%
RWR	SPDR® Dow Jones REIT ETF	3.75%	117.32	27.44%	9.70%	8.70%	8.92%	10.18%
IJR	iShares Core S&P Small-Cap ETF	2.99%	107.88	0.90%	13.50%	10.87%	12.52%	10.32%
BIL	SPDR® Blmbg 1-3 Mth T-Bill ETF	2.06%	91.43	-0.05%	0.60%	0.94%	0.46%	0.60%

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#### AGG

iShares Core US Aggregate Bond ETF The investment seeks to track the investment results of the Bloomberg U.S. Aggregate Bond Index. The index measures the performance of the total U.S. investment-grade bond market. The fund generally invests at least 90% of its net assets in component securities of its underlying index and in investments that have economic characteristics that are substantially identical to the economic characteristics of the component securities of its underlying index.

#### SPY

SPDR® S&P 500 ETF Trust The investment seeks to provide investment results that, before expenses, correspond generally to the price and yield performance of the S&P 500® Index. The Trust seeks to achieve its investment objective by holding a portfolio of the common stocks that are included in the index (the "Portfolio"), with the weight of each stock in the Portfolio substantially corresponding to the weight of such stock in the index.

#### **EFA**

iShares MSCI EAFE ETF

The investment seeks to track the investment results of the MSCI EAFE Index composed of large- and mid-capitalization developed market equities, excluding the U.S. and Canada. The fund generally will invest at least 80% of its assets in the component securities of its underlying index and in investments that have economic characteristics that are substantially identical to the component securities of its underlying index. The index is a free float-adjusted, market capitalization-weighted index designed to measure large- and mid-capitalization equity market performance of...

#### **EEM**

iShares MSCI Emerging Markets ETF The investment seeks to track the investment results of the MSCI Emerging Markets Index. The fund generally will invest at least 80% of its assets in the component securities of its underlying index and in investments that have economic characteristics that are substantially identical to the component securities of its underlying index. The index is designed to measure equity market performance in the global emerging markets. The underlying index includes large-and mid-capitalization companies and may change over time.

### IJH

iShares Core S&P Mid-Cap ETF The investment seeks to track the investment results of the S&P MidCap 400 composed of mid-capitalization U.S. equities. The index measures the performance of the mid-capitalization sector of the U.S. equity market, as determined by SPDJI. The fund generally will invest at least 80% of its assets in the component securities of its index and in investments that have economic characteristics that are substantially identical to the component securities of its index and may invest up to 20% of its assets in certain futures, options and swap contracts, cash and cash equivalents.

## DJP

iPath® Bloomberg Cmdty TR ETN The investment seeks to provide investors with exposure to the Dow Jones-UBS Commodity Index Total ReturnService Mark. The Dow Jones-UBS Commodity Index Total ReturnService Mark (the "index") reflects the returns that are potentially available through an unleveraged investment in the futures contracts on physical commodities comprising the index plus the rate of interest that could be earned on cash collateral invested in specified Treasury Bills. The index is a rolling index rebalancing annually.

## RWR

SPDR® Dow Jones REIT ETF

The investment seeks to provide investment results that, before fees and expenses, correspond generally to the total return performance of the Dow Jones U.S. Select REIT Index. The fund generally invests substantially all, but at least 80%, of its total assets in the securities comprising the index. The index is designed to provide a measure of real estate securities that serve as proxies for direct real estate investing, in part by excluding securities whose value is not always closely tied to the value of the underlying real estate.

## IJR

iShares Core S&P Small-Cap ETF The investment seeks to track the investment results of he S&P SmallCap 600 Index composed of small-capitalization U.S. equities. The index measures the performance of the small-capitalization sector of the U.S. equity market, as determined by SPDJI. The fund generally will invest at least 80% of its assets in the component securities of its index and in investments that have economic characteristics that are substantially identical to the component securities of its index and may invest up to 20% of its assets in certain futures, options and swap contracts, cash and cash equivalents.

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# **Benchmark Components (cont.)**

Data as of May 10, 2022

BIL SPDR® Blmbg 1-3 Mth T-Bill ETF The investment seeks to provide investment results that correspond generally to the price and yield performance of the Bloomberg 1-3 Month U.S. Treasury Bill Index. The fund invests substantially all, but at least 80%, of its total assets in the securities comprising the index and in securities that the Adviser determines have economic characteristics that are substantially identical to the economic characteristics of the securities that comprise the index. The index measures the performance of public obligations of the U.S. Treasury that have a remaining maturity of greater than or equal to 1...

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## **Definitions**

Allocations and Exposure Data: All hypothetical portfolio attributes are calculated as weighted averages of the underlying holdings using the target weights input by the creator of this report. The underlying securities' attributes are based on data in YCharts, Inc. provided by Morningstar, Inc. For individual stock positions the entire weight is assigned to the corresponding sector, market cap group, style, etc.

**Alpha:** Alpha measures the risk and market-adjusted returns for the portfolio. The metric is calculated on the specified lookback period using the benchmark that is set for the portfolio. When your PDF report includes an ETF or Mutual Fund, the alpha is calculated vs. the category benchmark.

Note: Risk free rate = average 1 month treasury rate throughout the lookback period.

<u>Formula:</u> Alpha = Annualized security return - risk free rate - beta \* (annualized benchmark return - risk free rate) \* 100

**Avg. Market Cap:** Market capitalization is the share price multiplied by the total number of shares outstanding. For the portfolio, an average of the underlying holdings' market cap is taken.

**Benchmark:** The benchmark used in this report was chosen by the creator of the report. The benchmark is displayed for comparison reasons and is used to calculate portfolio level risk data when necessary. Underlying holdings risk data is computed using specific benchmarks based on that security's asset classification as outlined in the table at

ycharts.com/support/data/answer/broad\_asset\_class\_benchmark

**Beta:** Beta measures the movement of the portfolio in comparison to the benchmark based on the lookback period. It is a statistical measure that can be used to measure the volatility of price movements. When your PDF report includes an ETF or Mutual Fund, the beta is calculated vs. the category benchmark.

<u>Formula:</u> Beta = Covariance ( Portfolio Return , Benchmark Return) / Variance (Benchmark Return)

**Dividend Yield (TTM):** For the underlying holdings of the portfolio, the dividend yield measures the total amount of dividends per share paid over the last 12 months, divided by the price per share of the security. To calculate the portfolio's dividend yield, a weighted average of the underlying holdings' dividend yield is taken.

**Distribution Yield (TTM):** Measures the total amount of distributions received from common dividends paid in the underlying holdings over the last 12 months.

**Expense Ratio:** A measure of the fees charged by an Asset Manager to the investors that own shares of the fund. The value is a percentage

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and represents the portion of the investor's assets that are paid to the fund company on an annual basis. Any expense ratio shown is only inclusive of the underlying fees in the securities included in the hypothetical portfolio, and as such should be considered for illustrative purposes only. These fees do not include additional commissions, loads, transaction, or advisory fees. All fee data is collected from Morningstar Inc.

**Historical Sharpe:** Sharpe measures the risk-adjusted return for the specified lookback period.

<u>Formula</u>; Sharpe = (Average monthly return over lookback period) / (Historical standard deviation)

**Historical Sortino:** Sortino Ratio measures the downside risk-adjusted outperformance of the portfolio versus the benchmark.

<u>Formula:</u> Historical Sortino = (Average Monthly Returns - risk free rate) / downside deviation

**Max Drawdown:** Max drawdown is an indicator of the risk of a portfolio chosen based on a certain strategy. It measures the largest single drop from peak to bottom in the value of a portfolio (before a new peak is achieved).

<u>Formula:</u> Max Drawdown = (Peak value before largest drop - Lowest value before new high established) / (Peak value before largest drop)

**Portfolio:** All portfolios represent hypothetical blended investments of weighted securities as designated by the creator of this report and should be used for illustrative purposes only and should not be considered performance reports. They are calculated by taking a weighted average of the target weights and the securities total return, assuming all dividends reinvested, since the latest rebalance date. These portfolios are assumed to rebalance to the exact designated weights at each calendar quarter or month end — whichever is chosen when setting up the portfolio. No transaction costs, taxes, or advisory fees are included. Portfolio holdings are weighted by percentage, not whole share numbers.

Portfolio Rebalance: Each portfolio listed on this report contains a rebalance frequency. This can be selected when you create the portfolio on YCharts. The portfolios are rebalanced to the proper target weights at each target rebalance point. For monthly rebalancing, the portfolio will rebalance to the target weight at the end of each calendar month. For quarterly rebalancing, the portfolio will rebalance to the target weight at the end of each calendar quarter (March 31st, June 30th, September 30th, December 31st). For annual rebalancing, the portfolio will rebalance to the target weight at the end of each calendar year. Lastly, if the portfolio never rebalances, the target weights are implemented at the portfolio inception date, but will not change after that.

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# **Definitions (continued)**

**Portfolio Weights:** All stated portfolio weights are based on allocation choices input by the creator of this report. These weights represent the values used at rebalance periods and not necessarily the implied weights at the time this report was generated. All weightings ignore the concept of whole shares and instead uses the exact percentage chosen when setting up the portfolio.

**Rebalancing:** Rebalancing is conducted on either a quarterly or monthly basis, as selected by the creator of this report. Weights may drift away from the target allocations between rebalance periods.

**Returns:** All returns are hypothetical and should not be considered performance reporting. The hypothetical returns displayed are based on weighted calculations of the underlying holdings' returns and other selections by the creator of this report. Returns assume all dividends and distributions are reinvested on the corresponding ex-date. Returns are not audited and should not be considered performance reporting, as they are hypothetical in nature.

Risk Calculation: All risk calculations are for illustrative purposes only. They are calculated at the portfolio level using a benchmark selected by the creator of this report. At the security level, risk metrics are calculated by YCharts using the methodology outlined at <a href="https://www.ycharts.com/support">www.ycharts.com/support</a>

**Standard Deviation:** Standard deviation measures the range of return values that you can statistically expect from your portfolio compared to it's mean return. This measure is annualized for the specified lookback period.

<u>Formula:</u> Standard Deviation = SQRT(Variance of Monthly Returns for Lookback Period)

**Weighted Avg. Debt to Capital:** The debt to capit al for underlying stocks is calculated as the total long-term debt divided by the capital of the firm. Capital is measured as the sum of common equity, preferred equity, and long term debt. For the portfolio, the weighted average is taken of the underlying holdings' debt to capital.

**Weighted Average PE Ratio:** A weighted average of each underlying holding's share price relative to the net income per share. Stocks that have EPS < 0 are excluded in this calculation.

**Weighted Average Price to Book Ratio:** A weighted average of each underlying holding's share price relative to the book value per share. Stocks that have Book Value per Share < 0 are excluded in this calculation.

**Weighted Average Price to Sales Ratio:** A weighted average of each underlying holding's share price relative to the sales per share. Stocks that have Revenue per Share < 0 are excluded in this calculation.

**Yield:** The stated yield for the hypothetical portfolio is based on the weighted average of trailing 12-month yields for the underlying securities. It is no indication or guarantee of future yield.

**7-Day SEC Yield:** Annualized yield calculated using interest and dividends earned and paid out over a 7-day period. It is primarily used for money market funds. The unsubsidized version of this yield reflects what the value would be without any fee waivers or expense reimbursements.

**30-Day SEC Yield:** Annualized yield calculated using net investment income per share earned over a 30-day period. The unsubsidized version of this yield reflects what the value would be without any fee waivers or expense reimbursements.

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Performance results reflect the deduction of investment advisory fees but do not include the effects of any applicable investment management, trading costs (e.g., commissions and short-term trading fees etc.) or other fees or charges. The performance is hypothetical and represents historical performance of investments in a hypothetical portfolio had the model portfolio been available over the stated period. It is for illustration purposes only and is based on the performance of equity and fixed income portfolios. The performance results do not represent actual results, which may significantly differ from the model returns being presented. The hypothetical model performance was achieved with the benefit of hindsight and it does not represent actual results or investments in any investment strategies. No actual account was managed in accordance with the model performance during the periods presented. The illustrated performance of the hypothetical model portfolio has been materially higher than the actual performance of most client accounts for the periods shown and the difference may grow over time. There are certain limitations inherent in hypothetical model results like those portrayed, particularly that such hypothetical model returns do not reflect trading in actual client accounts and do not reflect the impact that material economic and market factors may have had on the adviser's decision-making had the adviser been managing client funds. Unlike an actual performance record, hypothetical performance results do not represent actual trading. These types of simulated trading programs, in general, benefit compared to actual performance results because such simulated programs are designed with the benefit of hindsight. In addition, simulated trading does not involve or consider financial risk and does not consider that material and market factors may have impacted Adviser's decision making, all of which can adversely affect actual trading results and performance. For example, the ability to withstand losses or adhere to a particular trading program in spite of trading losses are material points which can also adversely affect markets in general or the implementation of any specific trading program. Hypothetical performance does not represent actual performance, trading costs or the impact of taxes and should not be interpreted as an indication of such performance. From time to time, Adviser will remove and replace the mutual funds or other investments in its advisory programs and the effect on hypothetical performance results could be either favorable or unfavorable. The investments shown here were not being recommended by Adviser during the period of hypothetical performance shown. The performance illustrated in this report assumes that rebalancing occurred in a manner different from how Adviser rebalances a portfolio or advisors clients to rebalance a portfolio. Adviser recommends rebalancing when an asset class varies five percent (5%) from its targeted allocation, and will monitor for such variation on a quarterly basis. In general, Adviser reinvests dividends and capital gains generated by investments, which may be different than how this hypothetical portfolio invested dividends and capital gains. The impacts of trading costs are not included in the performance results and will reduce client performance. In the hypothetical performance figures shown, the advisory fee of [1.65%] is deducted on a quarterly basis. Actual client advisory fees are generally deducted quarterly, in advance. The way the Adviser invested dividends and capital gains may be different than how this hypothetical portfolio invested dividends and capital gains. When reviewing past performance returns, it is important to note that different accounts (even if they are managed pursuant to the same strategy), can have varying results. The reasons for this include: 1) the period of time in which the accounts are active; 2) the timing of contributions and withdrawals; 3) the account size; 4) the minimum investment requirements and/or withdrawal restrictions; 5) the rate of advisory, brokerage commissions and transaction fees charged to an account; and 6) restrictions or limitations on whether the account can be rebalanced annually, quarterly or otherwise. There can be no assurance that an account opened by any person will achieve performance returns similar to those provided herein for accounts.

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