

# El Camino Real Charter High School AS OF MARCH 31, 2023

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Name	Q1-23	YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs
US Equity						
Russell 3000	7.2	7.2	-8.6	18.5	10.4	11.7
S&P 500	7.5	7.5	-7.7	18.6	11.2	12.2
Russell 1000	7.5	7.5	-8.4	18.6	10.9	12.0
Russell 1000 Growth	14.4	14.4	-10.9	18.6	13.7	14.6
Russell 1000 Value	1.0	1.0	-5.9	17.9	7.5	9.1
Russell MidCap	4.1	4.1	-8.8	19.2	8.1	10.1
Russell 2000	2.7	2.7	-11.6	17.5	4.7	8.0
Russell 2000 Growth	6.1	6.1	-10.6	13.4	4.3	8.5
Russell 2000 Value	-0.7	-0.7	-13.0	21.0	4.5	7.2
International Equity						
MSCI ACWI	7.3	7.3	-7.4	15.4	6.9	8.1
MSCI World ex USA	8.0	8.0	-2.7	13.5	3.8	4.9
MSCI EAFE	8.5	8.5	-1.4	13.0	3.5	5.0
MSCI Emerging Markets	4.0	4.0	-10.7	7.8	-0.9	2.0
Fixed Income						
91 Day T-Bills	1.1	1.1	2.5	0.9	1.3	0.8
Bloomberg US Aggregate TR	3.0	3.0	-4.8	-2.8	0.9	1.4
Bloomberg US Govt/Credit TR	3.2	3.2	-4.8	-2.6	1.2	1.5
Bloomberg US Municipal TR	2.8	2.8	0.3	0.3	2.0	2.4
Bloomberg US High Yield TR	3.6	3.6	-3.3	5.9	3.2	4.1
FTSE WGBI TR	3.5	3.5	-9.6	-5.3	-2.4	-0.6
FTSE WGBI ex US TR	3.7	3.7	-13.0	-6.2	-4.3	-1.5
Real Estate						
FTSE NAREIT All REIT	1.5	1.5	-19.8	10.3	5.7	6.1
NCREIF Property Index	-	-	-	-		
Alternatives						
HFRI Fund of Funds Composite Index	1.6	1.6	-1.1	7.5	3.3	3.3
Inflation						
Consumer Price Index	1.7	1.7	5.0	5.4	3.9	2.6

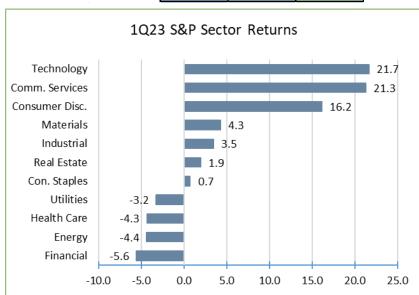


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## U.S. EQUITY SECTOR REVIEW

1Q23	Value	Core	Growth
Large	1.0	7.3	14.4
Mid	1.3	4.1	9.1
Small	-0.7	2.7	6.1

One-Year	Value	Core	Growth		
Large	-5.9	-8.8	-10.9		
Mid	-9.2	-8.8	-8.5		
Small	-13.0	-11.6	-10.6		

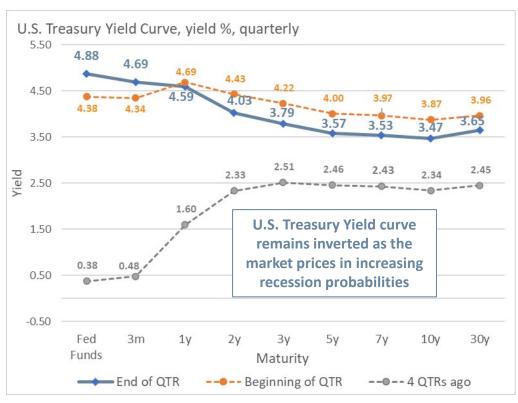


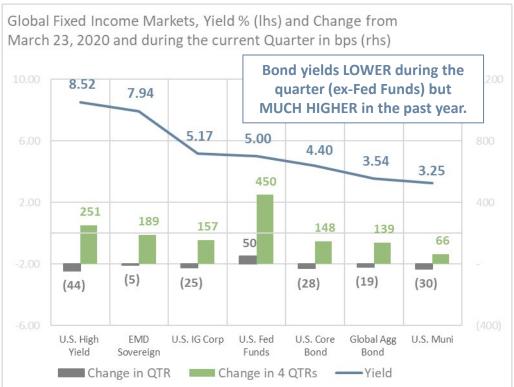


- Seven of eleven sectors of the market posted positive returns for the quarter led by Technology, Communication Services, and Consumer Discretionary. Large Cap Growth outperformed Large Cap Value by 13.4% over the quarter.
- Large Cap Value outperformed Large Cap Growth by 5.0% over the past twelve-months. Energy, Consumer Staples, and Industrials are the only sectors which posted positive returns over that period.



## FIXED INCOME REVIEW - CURVE FLATTENS, SPREADS TIGHTEN





- U.S. Treasury bond yields "twisted" around the 1-year U.S. Treasury note, rising in shorter maturities (Fed Funds and 3-month T-bill) and falling across the longer maturity portion of the yield curve as the Fed continued its crusade against inflation and as the market began to price in rate *cuts* in the future.
- Since the beginning of 2022 the 2-year U.S. Treasury yield, most sensitive to the Fed's monetary policy, rose more than 430 bps to a high of 5.07% in March immediately after the SVB failure caused renewed interest rate volatility, before ending the quarter at 4.03%. The longer-dated 10- year U.S. Treasury yield rose as much as 261 bps to a high of 4.24% back in October 2022 before closing the quarter at 3.47%.
- Global yields are attractive with positive real yields across most markets as rates have risen dramatically in the past year.



### POINTE OF VIEW

Secular Theme: "Financial Repression" Cyclical Theme: "Late Cycle Dynamics" "Financial Repression" <sup>1</sup> remains our primary secular thesis BUT over our cyclical horizon, repression policies are on PAUSE in order to fight inflation with higher interest rates. Restrictive monetary policy is slowing the economy and increasing the chances of a credit crunch and a recession. Risk assets will remain challenged accordingly. Developments in the labor market and in the financial system will determine whether or not the Fed can deliver a soft-landing. Inflation is declining but still uncomfortably high - inflation expectations remain well-anchored. The Fed will continue to tighten financial conditions until inflation is subdued - the end of the Fed's rate hike cycle is in sight. Higher interest rates continue to support a rotation out of U.S. Large Cap Growth stocks and into U.S. Large Cap Value and Non-U.S. equities. Fed policy has produced attractive Core Bonds yields. Alternative investments can help reduce volatility, diversify portfolios, and add uncorrelated returns.



As of March 31, 2023

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since 3/31/11 (%)	Inception (%)	Inception Date
Total Composite	23,769,974	100.0	5.8	5.8	-5.8						-7.5	Sep-21
Policy Index			5.6	5.6	-6.1						-6.7	Sep-21
Total Equity	13,191,117	55.5	8.2	8.2	-6.2						-8.6	Sep-21
MSCI ACWI			7.3	7.3	-7.4	15.4	6.9	9.2	8.1	7.5	-6.7	Sep-21
Total Domestic Equity	8,501,400	35.8	7.4	7.4	-9.3						-8.7	Sep-21
Russell 3000			7.2	7.2	-8.6	18.5	10.4	12.0	11.7	11.6	-6.2	Sep-21
Total International Equity	4,689,717	19.7	9.6	9.6	0.1						-8.0	Sep-21
MSCI ACWI ex USA			6.9	6.9	-5.1	11.8	2.5	5.9	4.2	3.5	-7.4	Sep-21
Total Fixed	7,563,674	31.8	3.0	3.0	-3.5						-6.2	Sep-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.2	Sep-21
Total Alternatives	2,967,995	12.5	3.1	3.1	-10.5						-6.4	Sep-21
Custom Alts Index			4.0	4.0	-10.7						-6.8	Sep-21
Total Cash	47,188	0.2	0.7	0.7	2.2						1.4	Sep-21
ICE BofA 91 Days T-Bills TR			1.1	1.1	2.5	0.9	1.4	1.2	0.9	0.7	1.6	Sep-21

	Current Balance	Current Allocation	Policy	Policy Range	Difference	Within IPS Range?
US Equity	\$8,501,400	35.8%	35.0%	20.0% - 50.0%	0.8%	Yes
International Equity	\$4,689,717	19.7%	20.0%	10.0% - 30.0%	-0.3%	Yes
Fixed Income	\$7,563,674	31.8%	30.0%	20.0% - 50.0%	1.8%	Yes
Alternatives	\$2,967,995	12.5%	15.0%	0.0% - 25.0%	-2.5%	Yes
Cash	\$47,188	0.2%	0.0%	0.0% - 10.0%	0.2%	Yes
Total	\$23,769,974	100.0%	100.0%			



	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since 3/31/11 (%)	Inception (%)	Inception Date
Total Composite	23,769,974	100.0	5.8	5.8	-5.8	-					-7.5	Sep-21
Policy Index			5.6	5.6	-6.1						-6.7	Sep-21
Total Equity	13,191,117	55.5	8.2	8.2	-6.2						-8.6	Sep-21
MSCI ACWI			7.3	7.3	-7.4	15.4	6.9	9.2	8.1	7.5	-6.7	Sep-21
Total Domestic Equity	8,501,400	35.8	7.4	7.4	-9.3	-					-8.7	Sep-21
Russell 3000			7.2	7.2	-8.6	18.5	10.4	12.0	11.7	11.6	-6.2	Sep-21
Fiduciary Management: Large Cap Instl	1,999,797	8.4	4.4	4.4	-4.1						-2.7	Sep-21
Russell 1000 Value			1.0	1.0	-5.9	17.9	7.5	9.0	9.1	9.5	-1.8	Sep-21
Schwab US Large Cap Value Index	688,909	2.9	1.0	1.0	-6.0	17.9	7.4				3.0	Nov-22
Russell 1000 Value			1.0	1.0	-5.9	17.9	7.5	9.0	9.1	9.5	3.0	Nov-22
Vanguard S&P 500 ETF	2,291,018	9.6	7.5	7.5	-7.8	18.5	11.1	12.4	12.2	12.0	-4.4	Sep-21
S&P 500			7.5	7.5	-7.7	18.6	11.2	12.4	12.2	12.1	-4.4	Sep-21
Polen Capital Focus Growth	1,110,523	4.7	14.3	14.3	-16.4						-18.6	Sep-21
Russell 1000 Growth			14.4	14.4	-10.9	18.6	13.7	15.0	14.6	13.9	-9.5	Sep-21
Schwab US Large Cap Growth Index	1,221,400	5.1	14.4	14.4	-10.9	18.5	13.6				10.4	Nov-22
Russell 1000 Growth			14.4	14.4	-10.9	18.6	13.7	15.0	14.6	13.9	10.4	Nov-22
Vanguard Mid-Cap ETF	868,779	3.7	3.9	3.9	-9.8	18.7	8.1	9.9	10.2	10.0	-8.2	Sep-21
CRSP US Mid Cap TR USD			3.9	3.9	-9.8	18.8	8.1	9.9	10.2	10.1	-8.1	Sep-21
Vanguard Russell 2000 ETF	320,972	1.4	2.8	2.8	-11.6	17.6	4.8	8.6	8.1	8.0	-12.4	Sep-21
CRSP US Small Cap TR USD			3.7	3.7	-9.4	19.6	6.7	9.4	9.2	9.3	-9.1	Sep-21
Total International Equity	4,689,717	19.7	9.6	9.6	0.1						-8.0	Sep-21
MSCI ACWI ex USA			6.9	6.9	-5.1	11.8	2.5	5.9	4.2	3.5	-7.4	Sep-21
Artisan International Value Instl	2,104,102	8.9	10.2	10.2	5.9	21.7	7.2	8.6	7.9	8.2	2.4	Sep-21
MSCI EAFE			8.5	8.5	-1.4	13.0	3.5	6.2	5.0	4.6	-4.8	Sep-21



# Total Composite As of March 31, 2023

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since 3/31/11 (%)	Inception (%)	Inception Date
American Europacific F3	1,914,124	8.1	9.9	9.9	-3.3	12.1	3.3	7.0	5.9	5.1	-12.8	Sep-21
MSCI ACWI ex USA			6.9	6.9	-5.1	11.8	2.5	5.9	4.2	3.5	-7.4	Sep-21
Lazard Emerging Markets Eq Advantage	671,491	2.8	6.6	6.6	-8.9	9.3	-0.3	5.9			16.7	Oct-22
MSCI Emerging Markets			4.0	4.0	-10.7	7.8	-0.9	4.9	2.0	1.0	14.0	Oct-22
Total Fixed	7,563,674	31.8	3.0	3.0	-3.5						-6.2	Sep-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.2	Sep-21
Metropolitan West Total Return	3,301,625	13.9	3.6	3.6	-5.8	-2.4	1.1	1.1	1.5	2.6	-8.1	Sep-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.2	Sep-21
Dodge & Cox Income	3,195,517	13.4	3.1	3.1	-3.0	0.1	1.9	2.3	2.4	2.9	-5.8	Sep-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.2	Sep-21
PIMCO Short Asset Investment	1,066,532	4.5	1.0	1.0	2.3	1.6	1.4	1.5	1.3		2.3	Apr-22
FTSE T-Bill 3 Months TR			1.1	1.1	2.6	1.0	1.4	1.2	0.9	0.7	2.6	Apr-22
Total Alternatives	2,967,995	12.5	3.1	3.1	-10.5						-6.4	Sep-21
Custom Alts Index			4.0	4.0	-10.7						-6.8	Sep-21
Swan Hedged Equity US ETF	2,169,464	9.1	3.4	3.4	-5.1						-3.5	Sep-21
60% S&P 500 / 40% Bloomberg US Aggregate			5.7	5.7	-6.3	9.9	7.3	8.0	8.0	8.2	-5.2	Sep-21
PGIM Global Real Estate Fund	798,531	3.4	2.4	2.4	-21.4	6.4	2.7	2.5	3.3	4.6	-14.1	Sep-21
FTSE EPRA/NAREIT Developed TR USD			1.0	1.0	-20.6	7.6	1.8	2.1	3.4	4.7	-13.5	Sep-21
Total Cash	47,188	0.2	0.7	0.7	2.2						1.4	Sep-21
ICE BofA 91 Days T-Bills TR			1.1	1.1	2.5	0.9	1.4	1.2	0.9	0.7	1.6	Sep-21



El Camino Real OPEB

## Total Composite As of March 31, 2023

#### Policy Benchmark History As of March 31, 2023

Total Composite		
9/1/2021	Present	60% MSCI ACWI / 40% Bloomberg US Aggregate TR
Total Equity		

#### Allocation Benchmark History As of March 31, 2023

Total Equity		
9/1/2021	Present	MSCI ACWI
Total Domestic Equi	ty	
9/1/2021	Present	Russell 3000
Total International E	quity	
9/1/2021	Present	MSCI ACWI ex USA

#### Custom Alts Benchmark History As of March 31, 2023

Total Alternatives		
9/1/2021	Present	32% FTSE EPRA/NAREIT Developed TR USD / 57% 60% S&P 500 / 40% Bloomberg US Aggregate / 11% S&P Global Infrastructure



As of March 31, 2023

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since 3/31/11 (%)	Inception (%)	Inception Date
Total Composite	6,147,651	100.0	4.3	4.3	-4.5						-5.4	Aug-21
Policy Index			4.3	4.3	-5.4						-6.2	Aug-21
Total Equity	1,586,610	25.8	8.7	8.7	-6.5		-				-5.8	Aug-21
MSCI ACWI			7.3	7.3	-7.4	15.4	6.9	9.2	8.1	7.5	-5.0	Aug-21
Total Domestic Equity	1,135,430	18.5	8.2	8.2	-9.1		-				-6.6	Aug-21
Russell 3000			7.2	7.2	-8.6	18.5	10.4	12.0	11.7	11.6	-4.3	Aug-21
Total International Equity	451,181	7.3	10.1	10.1	1.7		-				-3.4	Aug-21
MSCI ACWI ex USA			6.9	6.9	-5.1	11.8	2.5	5.9	4.2	3.5	-6.0	Aug-21
Total Fixed	4,150,854	67.5	2.7	2.7	-3.3		-				-5.4	Aug-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.0	Aug-21
Total Alternatives	300,578	4.9	3.1	3.1	-11.7		-				-6.2	Aug-21
Total Cash	109,609	1.8	1.0	1.0	2.5		-				1.5	Aug-21
ICE BofA 91 Days T-Bills TR			1.1	1.1	2.5	0.9	1.4	1.2	0.9	0.7	1.5	Aug-21

	Current Balance	Current Allocation	Policy	Policy Range	Difference	Within IPS Range?
US Equity	\$1,135,430	18.5%	20.0%	10.0% - 30.0%	-1.5%	Yes
International Equity	\$451,181	7.3%	5.0%	0.0% - 15.0%	2.3%	Yes
Fixed Income	\$4,150,854	67.5%	70.0%	50.0% - 90.0%	-2.5%	Yes
Alternatives	\$300,578	4.9%	5.0%	0.0% - 15.0%	-0.1%	Yes
Cash	\$109,609	1.8%	0.0%	0.0% - 20.0%	1.8%	Yes
Total	\$6,147,651	100.0%	100.0%			



As of March 31, 2023

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since 3/31/11 (%)	Inception (%)	Inception Date
Total Composite	6,147,651	100.0	4.3	4.3	-4.5						-5.4	Aug-21
Policy Index			4.3	4.3	-5.4						-6.2	Aug-21
Total Equity	1,586,610	25.8	8.7	8.7	-6.5				-		-5.8	Aug-21
MSCI ACWI			7.3	7.3	-7.4	15.4	6.9	9.2	8.1	7.5	-5.0	Aug-21
Total Domestic Equity	1,135,430	18.5	8.2	8.2	-9.1				-		-6.6	Aug-21
Russell 3000			7.2	7.2	-8.6	18.5	10.4	12.0	11.7	11.6	-4.3	Aug-21
Fiduciary Management: Large Cap	361,033	5.9	4.6	4.6	-4.0						-1.6	Aug-21
Russell 1000 Value			1.0	1.0	-5.9	17.9	7.5	9.0	9.1	9.5	-0.6	Aug-21
Schwab Large Cap Value	122,171	2.0	1.0	1.0	-6.0	17.9	7.4					Apr-23
Russell 3000 Value			0.9	0.9	-6.3	18.1	7.3	9.0	9.0	9.4		Apr-23
Vanguard S&P 500 ETF	374,566	6.1	7.5	7.5	-7.8	18.5	11.1	12.4	12.2	12.0	-2.5	Aug-21
S&P 500			7.5	7.5	-7.7	18.6	11.2	12.4	12.2	12.1	-2.4	Aug-21
Polen Capital Focus Growth	138,754	2.3	16.1	16.1	-15.4						-15.4	Aug-21
Russell 1000 Growth			14.4	14.4	-10.9	18.6	13.7	15.0	14.6	13.9	-7.0	Aug-21
Schwab US Large Cap Growth Index	138,906	2.3	14.4	14.4	-10.9	18.5	13.6				10.4	Nov-22
Russell 1000 Growth			14.4	14.4	-10.9	18.6	13.7	15.0	14.6	13.9	10.4	Nov-22
Total International Equity	451,181	7.3	10.1	10.1	1.7				-		-3.4	Aug-21
MSCI ACWI ex USA			6.9	6.9	-5.1	11.8	2.5	5.9	4.2	3.5	-6.0	Aug-21
Artisan International Value Instl	253,758	4.1	10.2	10.2	5.9	21.7	7.2	8.6	7.9	8.2	2.5	Aug-21
MSCI EAFE			8.5	8.5	-1.4	13.0	3.5	6.2	5.0	4.6	-3.5	Aug-21
American Funds Europacific Growth	197,423	3.2	9.9	9.9	-3.3	12.1	3.3	7.0	5.9	5.1	-10.4	Aug-21
MSCI ACWI ex USA			6.9	6.9	-5.1	11.8	2.5	5.9	4.2	3.5	-6.0	Aug-21
Total Fixed	4,150,854	67.5	2.7	2.7	-3.3				-		-5.4	Aug-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.0	Aug-21
Dodge & Cox Income	1,184,698	19.3	3.1	3.1	-3.0	0.1	1.9	2.3	2.4	2.9	-5.6	Aug-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.0	Aug-21
Metropolitan West Total Return Bond	1,497,143	24.4	3.6	3.6	-5.8	-2.4	1.1	1.1	1.5	2.6	-7.8	Aug-21
Bloomberg US Aggregate TR			3.0	3.0	-4.8	-2.8	0.9	0.9	1.4	2.1	-7.0	Aug-21



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	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	7 Yrs (%)	10 Yrs (%)	Since 3/31/11 (%)	Inception (%)	Inception Date
PIMCO Low Duration	1,469,014	23.9	1.6	1.6	-0.8	-0.3	8.0	1.0	0.9	1.3	-2.7	Aug-21
Bloomberg US Govt 1-3 Yr TR			1.6	1.6	0.2	-0.8	1.1	0.8	0.8	0.9	-1.8	Aug-21
Total Alternatives	300,578	4.9	3.1	3.1	-11.7		-				-6.2	Aug-21
Swan Hedged Equity US ETF	191,768	3.1	3.4	3.4	-5.1						-2.1	Aug-21
60% S&P 500 / 40% Bloomberg US Aggregate			5.7	5.7	-6.3	9.9	7.3	8.0	8.0	8.2	-4.0	Aug-21
PGIM Global Real Estate Fund	108,810	1.8	2.4	2.4	-21.4	6.4	2.7	2.5	3.3	4.6	-12.6	Aug-21
FTSE EPRA/NAREIT Developed TR USD			1.0	1.0	-20.6	7.6	1.8	2.1	3.4	4.7	-12.2	Aug-21
Total Cash	109,609	1.8	1.0	1.0	2.5						1.5	Aug-21
ICE BofA 91 Days T-Bills TR			1.1	1.1	2.5	0.9	1.4	1.2	0.9	0.7	1.5	Aug-21



El Camino Real GA

#### Policy Benchmark History As of March 31, 2023

Total Composite		
8/1/2021	Present	30% MSCI ACWI / 70% Bloomberg US Aggregate TR
Total Equity		

MSCI ACWI

#### Allocation Benchmark History As of March 31, 2023

**Total International Equity** 

8/1/2021

8/1/2021 Present MSCI ACWI ex USA

Present

Custom Alts Benchmark History
As of March 31, 2023

**Total Alternatives** 

8/1/2021 Present Custom Alts Index



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Hypothetical Performance: The performance results for the blended portfolio represent a hypothetical simulation based on accounts managed by subadvisors. The subadvisors' performance is based on actual portfolios traded in real-time. The actual returns for portfolios managed by the subadvisors are weighted. The managers we have selected for this simulation are based on an in-depth screening process by BPA's manager research team, including quantitative and qualitative analysis. The full performance presentation and disclosures of the subadvisors presented are available upon request. You should be aware of the following: 1) the hypothetical performance simulation does not reflect the impact that material economic and market factors might have had on BPA's decision-making process if it had been recommending these subadvisors for the full period presented, 2) the allocation presented and the subadvisors selected for the simulation can be changed at any time in order to reflect better hypothetical performance results, and 3) the allocation and subadvisor selection can continue to be tested and adjusted until the desired results are achieved.

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**Risks:** An investment in the strategy presented herein has risks, including losing some or all of the invested capital. Asset allocation, diversification, and rebalancing do not ensure a profit or protect against loss in declining markets. No guarantee or representation is made that the described strategy will be successful, and investment results may vary substantially over time. Carefully consider the risks and suitability of the described strategy.

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Indices: Indices are not available for direct investment and do not reflect the deduction of any fees. Performance for blended benchmarks is calculated based on allocations rebalanced back to the stated targets every quarter and are not adjusted for transaction costs or management fees, the incurrence of which would decrease historical performance results. Economic factors, market conditions, and investment strategies will affect the performance of any portfolio, and there are no assurances that it will match or outperform any particular benchmark.



#### Performance Disclosures

#### **Definitions**

Alpha: A measure of risk (beta) adjusted return. Alpha measures the difference between a portfolio's actual returns and what it might be expected to deliver based on its level of risk. Theoretically, higher risk should equate to a higher return. A positive alpha means the fund has beaten expectations. A negative alpha indicates that the fund has failed to match expected performance, given its level of risk. If two managers have the same return, but one has a lower beta, that manager would have a higher alpha.

Annualized Return: The average amount of money earned by an investment each year over a given time period. An annualized total return provides only a snapshot of an investment's performance and does not give investors any indication of its volatility. Annualized total return merely provides a geometric average, rather than an arithmetic average.

**Beta:** Beta represents the systematic risk of a portfolio and measures its sensitivity to a benchmark. A portfolio with a beta of one is as risky as the benchmark and would, therefore, provide expected returns equal to those of the market benchmark during both up and down periods. A portfolio with a beta of two would move approximately twice as much as the benchmark.

Cumulative Return: The aggregate amount that an investment has gained or lost over time, independent of the period involved. Presented as a percentage, the cumulative return is the raw mathematical return of the following calculation: (Current Price of Security) – (Original Price of Security) / (Original Price of Security).

**Excess Returns:** Excess return represents the difference between the returns of two portfolios. In a typical application, excess return provides a measure of the difference between a manager's return and the return of a benchmark for that manager. In the context of a beta benchmark, excess return refers to the difference between a manager or market benchmark and T bills. A positive excess return implies that the manager outperformed the benchmark.

Maximum Drawdown: A risk metric indicating capital preservation, the maximum drawdown measures the peak to trough loss of investment.

**Sharpe Ratio:** represents the added value over the risk free rate per unit of volatility risk.

**Standard Deviation:** Shows how much variation or dispersion exists from the average (mean) or expected value. The more spread apart the data, the higher the deviation. In Finance, standard deviation is applied to the annual rate of return of an investment to measure the investment's volatility.

**Up/down Capture:** The up and down capture is a measure of how well a manager could replicate or improve on phases of positive benchmark returns and how badly the manager was affected by phases of negative benchmark returns.



## Glossary of Indices

Bloomberg US Aggregate: The index measures the performance of the U.S. investment grade bond market. The index invests in a wide spectrum of public, investment-grade, taxable, fixed income securities in the United States – including government, corporate, mortgage-backed, and asset-backed securities.

Bloomberg Intermediate US Government/Credit Bond Index: The index is a broad-based flagship benchmark that measures the non-securitized component of the US Aggregate Index with less than 10 years to maturity. The index includes investment grade, US dollar-denominated, fixed-rate treasuries, government-related and corporate securities.

ICE BofA 1-10Y US Muni Index: The index tracks the performance of U.S. dollar denominated investment grade tax-exempt debt with less than 10 years to maturity that are publicly issued by U.S. states and territories, and their political subdivisions, in the U.S. domestic market.

Bloomberg 1-10 Year Managed Money (MM) Index: A subset of the Bloomberg Municipal Managed Money Index, representing bonds with one to ten years to maturity. The Bloomber Municipal Managed Money Index is a rules-based, market-value weighted engineered for the tax-exempt bond market. All bonds in the National Municipal Bond Index must be rated Aa3/AA- or higher by at least two of the following statistical ratings agencies: Moody's, S&P and Fitch.

ICE BofAML 3-Month T-Bill Index: The index is an unmanaged index that measures returns of three-month Treasury Bills.

Bloomberg US Corporate High Yield Bond Index: Measures the USD-denominated, high yield, fixed-rate corporate bond market. Securities are classified as high yield if the middle rating of Moody's, Fitch and S&P is Ba1/BB+/BB+ or below. Bonds from issuers with an emerging markets country of risk, based on Barclays EM country definition, are excluded.

Bloomberg Global High Yield Index: The Index is a multi-currency flagship measure of the global high yield debt market. The index represents the union of the US High Yield, the Pan-European High Yield, and Emerging Markets (EM) Hard Currency High Yield Indices. The high yield and emerging markets sub-components are mutually exclusive.

Bloomberg Municipal Bond Index: a broad-based benchmark that measures the investment grade, US dollar-denominated, fixed tax-exempt bond market. The index includes state and local general obligation, revenue, insured, and pre-refunded bonds. The Municipal Index was incepted in January 1980.

FTSE World Government Bond Index (WGBI): Measures the performance of fixed-rate, local currency, investment-grade sovereign bonds. The WGBI is a widely used benchmark that currently includes sovereign debt from over 20 countries, denominated in a variety of currencies, and has more than 30 years of history available. The WGBI provides a broad benchmark for the global sovereign fixed income market. Sub-indexes are available in any combination of currency, maturity, or rating.

Bloomberg Emerging Markets Hard Currency Aggregate Index: The index is a flagship hard currency Emerging Markets debt benchmark that includes USD-denominated debt from sovereign, quasi-sovereign, and corporate EM issuers.

FTSE NAREIT Composite: The Index series is designed to present investors with a comprehensive family of REIT performance indexes that spans the commercial real estate space across the US economy. The index series provides investors with exposure to all investment and property sectors. In addition, the more narrowly focused property sector and sub-sector indexes provide the facility to concentrate commercial real estate exposure in more selected markets.

**S&P Global Natural Resources Index**: The index includes 90 of the largest publicly-traded companies in natural resources and commodities businesses that meet specific investability requirements, offering investors diversified and investable equity exposure across 3 primary commodity-related sectors: agribusiness, energy, and metals & mining.

Bloomberg Commodity Index: The index is calculated on an excess return basis and reflects commodity futures price movements. The index rebalances annually weighted 2/3 by trading volume and 1/3 by world production and weight-caps are applied at the commodity, sector and group level for diversification. Roll period typically occurs from 6th-10th business day based on the roll schedule.

MSCI ACWI: Captures large and mid cap representation across 23 Developed Markets (DM) and 24 Emerging Markets (EM) countries. With approximately 2,900 constituents, the index covers approximately 85% of the global investable equity opportunity set.

MSCI ACWI ex USA Index: Captures large and mid cap representation across 22 of 23 Developed Markets (DM) countries (excluding the US) and 24 Emerging Markets (EM) countries. With approximately 2,300 constituents, the index covers approximately 85% of the global equity opportunity set outside the US.



## Glossary of Indices

MSCI EAFE Index: A broadly recognized benchmark for U.S. investors to measure international equity performance. The index captures large and mid cap representation across 21 Developed Markets countries around the world, excluding the US and Canada.

MSCI Emerging Markets Index: A free float-adjusted market capitalization index that is designed to measure large and mid cap equity market performance of emerging markets. The index consists of the following 24 emerging market countries: Brazil, Chile, China, Colombia, Czech Republic, Egypt, Greece, Hungary, India, Indonesia, Korea, Kuwait, Malaysia, Mexico, Peru, Philippines, Poland, Qatar, Saudi Arabia, South Africa, Taiwan, Thailand, Turkey and United Arab Emirates.

Russell 1000 Index: Measures the performance of the large-cap segment of the U.S. equity universe. It is a subset of the Russell 3000® Index and includes approximately 1000 of the largest securities based on a combination of their market cap and current index membership. The Russell 1000 represents approximately 93% of the U.S. market. The Russell 1000 Index is constructed to provide a comprehensive and unbiased barometer for the large-cap segment and is completely reconstituted annually to ensure new and growing equities are reflected.

Russell 1000 Growth Index: Measures the performance of the large-cap growth segment the U.S. equity universe. It includes those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values. The Russell 1000 Growth Index is constructed to provide a comprehensive and unbiased barometer for the large-cap growth segment. The Index is completely reconstituted annually to ensure new and growing equities are included and that the represented companies continue to reflect growth characteristics.

Russell 1000 Value Index: Measures the performance of the large-cap value segment of the U.S. equity universe. It includes those Russell 1000 companies with lower price-to-book ratios and lower expected growth values. The Russell 1000 Value Index is constructed to provide a comprehensive and unbiased barometer for the large-cap value segment. The Index is completely reconstituted annually to ensure new and growing equities are included and that the represented companies continue to reflect value characteristics.

Russell 2000 Index: Measures the performance of the small-cap segment of the US equity universe. The Russell 2000 Index is a subset of the Russell 3000® Index representing approximately 7% of the total market capitalization of that index. It includes approximately 2,000 of the smallest securities based on a combination of their market cap and current index membership. The Russell 2000 is constructed to provide a comprehensive and unbiased small-cap barometer and is completely reconstituted annually to ensure larger stocks do not distort the performance and characteristics of the true small-cap opportunity set.

Russell 2000 Growth Index: Measures the performance of the small-cap growth segment of the US equity universe. It includes those Russell 2000 companies with higher price-to-value ratios and higher forecasted growth values. The Russell 2000 Growth Index is constructed to provide a comprehensive and unbiased barometer for the small-cap growth segment. The index is completely reconstituted annually to ensure larger stocks do not distort the performance and characteristics of the true small-cap opportunity set and that the represented companies continue to reflect growth characteristics.

Russell 2000 Value Index: Measures the performance of small-cap value segment of the U.S. equity universe. It includes those Russell 2000 companies with lower price-to-book ratios and lower forecasted growth values. The Russell 2000 Value Index is constructed to provide a comprehensive and unbiased barometer for the small-cap value segment. The Index is completely reconstituted annually to ensure larger stocks do not distort the performance and characteristics of the true small-cap opportunity set and that the represented companies continue to reflect value characteristics.

Russell 3000 Index: Measures the performance of the largest 3,000 U.S. companies representing approximately 96% of the investable U.S. equity market. The Russell 3000 Index is constructed to provide a comprehensive, unbiased and stable barometer of the broad market and is completely reconstituted annually to ensure new and growing equities are reflected.

Russell Midcap Index: Measures the performance of the mid-cap segment of the U.S. equity universe. The Russell Midcap Index is a subset of the Russell 1000® Index. It includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The Russell Midcap Index represents approximately 31% of the total market capitalization of the Russell 1000 companies. The Russell Midcap Index is constructed to provide a comprehensive and unbiased barometer for the mid-cap segment. The Index is completely reconstituted annually to ensure larger stocks do not distort the performance and characteristics of the true mid-cap opportunity set.

**S&P 500:** A free-float market capitalization weighted index of 500 of the largest U.S. companies. The index is calculated on a total return basis with dividends reinvested and is not available for direct investment.

Thank you for your continued confidence in Beacon Pointe. We appreciate your business.

