



FELRA and UFCW Benefit Funds VEBA, Severance, and Legal Funds

Master Consulting Services Report

**Period Ended
December 31, 2022**

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**FELRA and UFCW Benefit Funds
VEBA, Severance, and Legal Funds**

Master Consulting Services Report

Period Ended

December 31, 2022

FELRA and UFCW Benefit Funds

Master Consulting Services Report as of December 31, 2022

Total Fund Growth of Assets

	Fourth Quarter	Fiscal Year-To-Date	Three Years	Five Years	Seven Years	Inception 1/1/13
Beginning Market Value	\$5,114,880	\$21,534,209	\$39,418,065	\$25,000,797	\$60,011,617	\$56,700,141
Net Cash Flow	-\$3,000,000	-\$18,444,736	-\$39,054,348	-\$27,405,030	-\$68,393,489	-\$72,026,282
Net Investment Change	\$67,406	-\$907,186	\$1,818,569	\$4,586,520	\$10,564,158	\$17,508,428
Ending Market Value	\$2,182,286	\$2,182,286	\$2,182,286	\$2,182,286	\$2,182,286	\$2,182,286

- The Fund's fiscal year end is December 31st.
- Total assets represent the combined value of the VEBA, Severance, and Legal Funds.
- Market value does not include the VEBA Cash balance of \$732,050, Severance Cash balance of \$731,540, and Legal Cash balance of \$350,221 as of December 31, 2022. The Total Fund market value including these accounts is \$3,996,097.

FELRA and UFCW Benefit Funds

Master Consulting Services Report as of December 31, 2022

Performance Summary (Gross of Fees) - Annualized

	Market Value	% of Portfolio	Ending December 31, 2022						
			2022 Q4	Fiscal YTD	3 Yrs	5 Yrs	7 Yrs	Inception	Inception Date
Total Fund	\$2,182,286	100.0%	1.9%	-6.9%	0.2%	1.9%	3.1%	3.2%	Jan-13
Total Domestic Large Cap Equity	\$92,319	4.2%	7.2%	-19.5%	7.0%	8.7%	11.0%	11.4%	Jan-13
Total Investment Grade Fixed Income	\$1,310,656	60.1%	1.9%	-7.6%	-0.7%	1.1%	1.4%	1.7%	Jan-13
Total Short Duration High Yield Fixed Income	\$676,862	31.0%	2.9%	-2.7%	1.8%	2.9%	3.7%	3.1%	Sep-14
Total Cash Equivalents	\$102,450	4.7%							

- February 1, 2015 represents the inception of the Policy and investment manager structure for each Fund.
- Investment performance represents the actual results of the combined assets of the VEBA, Severance, and Legal Funds.

FELRA and UFCW Benefit Funds

Master Consulting Services Report as of December 31, 2022

Asset Allocation		
	Current	Current
Domestic Large Cap Equity	\$92,319	4.2%
Investment Grade Fixed Income	\$1,310,656	60.1%
Short Duration High Yield Fixed Income	\$676,862	31.0%
Cash Equivalents	\$102,450	4.7%
Total	\$2,182,286	100.0%

FELRA and UFCW VEBA Fund

Master Consulting Services Report as of December 31, 2022

Total Fund Growth of Assets					
	Fourth Quarter	Fiscal Year-To-Date	Three Years	Five Years	Seven Years
Beginning Market Value	\$4,230,899	\$16,223,175	\$35,637,252	\$23,318,479	\$54,791,842
Net Cash Flow	-\$3,000,000	-\$14,103,470	-\$36,192,304	-\$26,347,420	-\$63,585,296
Net Investment Change	\$50,693	-\$838,113	\$1,836,645	\$4,310,533	\$10,075,046
Ending Market Value	\$1,281,593	\$1,281,593	\$1,281,593	\$1,281,593	\$1,281,593

	Market Value	% of Portfolio	Ending December 31, 2022					Inception	Inception Date
			2022 Q4	Fiscal YTD	3 Yrs	5 Yrs	7 Yrs		
Total VEBA Fund	\$1,281,593	100.0%	1.9%	-7.6%	0.2%	1.8%	3.1%	3.1%	Jan-13
Domestic Large Cap Equity	\$92,319	7.2%	7.2%	-19.5%	7.0%	8.7%	11.0%	11.3%	Jan-13
CRSP US Total Market TR USD			7.1%	-19.5%	7.0%	8.7%	11.0%	12.1%	Jan-13
Investment Grade Fixed Income	\$689,325	53.8%	1.9%	-7.6%	-0.7%	1.2%	1.5%	1.7%	Jan-13
Custom Benchmark Segall			1.5%	-8.2%	-1.3%	0.7%	1.1%	1.2%	Jan-13
Short Duration High Yield Fixed Income	\$397,499	31.0%	2.9%	-2.7%	1.8%	2.9%	3.7%	3.1%	Nov-14
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR			2.7%	-3.1%	1.8%	3.1%	3.9%	3.5%	Nov-14
Vanguard Cash Account	\$102,450	8.0%							

Note: Allocations are based on data from the PNC custody statements.

Note: Returns are gross of fees.

	Current vs. Policy					
	Current	Current	Policy	Policy Range	Difference	Difference
Domestic Large Cap Equity	\$92,319	7.2%	10.0%	0.0% - 100.0%	-2.8%	-\$35,841
Investment Grade Fixed Income	\$689,325	53.8%	50.0%	0.0% - 100.0%	3.8%	\$48,528
Short Duration High Yield Fixed Income	\$397,499	31.0%	30.0%	0.0% - 100.0%	1.0%	\$13,021
Real Estate	\$0	0.0%	10.0%	0.0% - 100.0%	-10.0%	-\$128,159
Cash Equivalents	\$102,450	8.0%	0.0%	0.0% - 0.0%	8.0%	\$102,450
Total	\$1,281,593	100.0%	100.0%			

- Policy adopted March 2022; effective TBD (pending capital calls).
- Due to the timing and size of the contributions and withdrawals, the Fund's allocations may vary widely from the Policy.
- Market value does not include the VEBA Cash balance of \$732,050 as of December 31, 2022. The Total Fund market value including this account is \$2,013,643.

FELRA and UFCW VEBA Fund - Asset Allocation & Portfolio Activity

- Asset allocation reviews were presented and discussed with the Board of Trustees at the following meetings: July 18, 2019, April 16, 2020, and July 23, 2020, December 15, 2021, and March 11, 2022.
- At the March 11, 2022 meeting, the Trustees elected to adopt Policy: 10.0% domestic large cap equity, 50.0% investment grade fixed income, 30.0% short duration high yield fixed income (+5.0%), 10.0% real estate, and 0.0% cash (-5.0%). The Trustees also elected to hire real estate manager (ARA Core Property Fund, LP) for a \$900K allocation.
- At the September 15, 2022 meeting, IPS recommended that the previously approved real estate allocation be cancelled. Decision: Approved.
- At the December 12, 2022 meeting, IPS informed the Trustees that ARA cannot cancel the Fund's commitment until the manager's withdrawal queue is satisfied. The commitment will continue to be deferred until that time.

Recommendation: Consider a new asset allocation policy.

UFCW and FELRA Severance Fund
Master Consulting Services Report as of December 31, 2022

Total Fund Growth of Assets					
	Fourth Quarter	Fiscal Year-To-Date	Three Years	Five Years	Seven Years
Beginning Market Value	\$779,769	\$4,807,243	\$3,071,474	\$991,478	\$4,246,338
Net Cash Flow	\$0	-\$3,954,042	-\$2,297,927	-\$331,382	-\$3,755,949
Net Investment Change	\$14,775	-\$58,657	\$20,997	\$134,448	\$304,155
Ending Market Value	\$794,544	\$794,544	\$794,544	\$794,544	\$794,544

	Market Value	% of Portfolio	Ending December 31, 2022					Inception	Inception Date
			2022 Q4	Fiscal YTD	3 Yrs	5 Yrs	7 Yrs		
Total Severance Fund	\$794,544	100.0%	1.9%	-3.9%	-0.3%	0.7%	1.2%	2.4%	Jan-13
Investment Grade Fixed Income	\$515,181	64.8%	1.9%	-7.6%	-0.7%	1.1%	1.4%	1.6%	Jan-13
<i>Custom Benchmark Segall</i>			1.5%	-8.2%	-1.3%	0.7%	1.1%	1.2%	Jan-13
Short Duration High Yield Fixed Income	\$279,363	35.2%	2.9%	-2.7%	1.8%	2.9%	3.7%	3.1%	Sep-14
<i>ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR</i>			2.7%	-3.1%	1.8%	3.1%	3.9%	3.5%	Sep-14

Note: Allocations are based on data from the PNC custody statements.

Note: Returns are gross of fees.

UFCW and FELRA Severance Fund
Master Consulting Services Report as of December 31, 2022

Current vs. Policy						
	Current	Current	Policy	Policy Range	Difference	Difference
Investment Grade Fixed Income	\$515,181	64.8%	65.0%	10.0% - 80.0%	-0.2%	-\$1,272
Short Duration High Yield Fixed Income	\$279,363	35.2%	35.0%	15.0% - 60.0%	0.2%	\$1,272
Total	\$794,544	100.0%	100.0%			

- Policy adopted in March 2022; effective January 2023.
- Due to the timing and size of the contributions and withdrawals, the Fund's allocations may vary widely from the Policy.
- Market value does not include the Severance Cash balance of \$731,540 as of December 31, 2022. The Total Fund market value including this account is \$1,526,084.

UFCW and FELRA Severance Fund - Asset Allocation & Portfolio Activity

- In May 2020, \$600K transferred from investment grade fixed income (SBH) to cash.
- At the March 11, 2022 meeting, the Trustees elected to adopt Policy: 65.0% investment grade fixed income, 35.0% short duration high yield fixed income (+5.0%), and 0.0% cash (-5.0%).
- At the September 15, 2022 meeting, IPS recommended transferring \$150K from investment grade fixed income (SBH) to short duration high yield fixed income (Chartwell) to rebalance closer to Policy. Decision: Approved. Status: Transfer was completed in November 2022.

Recommendation: Consider a new asset allocation policy.

UFCW and FELRA Legal Benefits Fund

Master Consulting Services Report as of December 31, 2022

Total Fund Growth of Assets					
	Fourth Quarter	Fiscal Year-To-Date	Three Years	Five Years	Seven Years
Beginning Market Value	\$104,212	\$503,787	\$590,472	\$458,242	\$637,023
Net Cash Flow	\$0	-\$389,007	-\$482,970	-\$376,245	-\$568,289
Net Investment Change	\$1,938	-\$8,630	-\$1,352	\$24,153	\$37,415
Ending Market Value	\$106,150	\$106,150	\$106,150	\$106,150	\$106,150

Ending December 31, 2022									
	Market Value	% of Portfolio	2022 Q4	Fiscal YTD	3 Yrs	5 Yrs	7 Yrs	Inception	Inception Date
Total Legal Fund	\$106,150	100.0%	1.9%	-4.7%	-1.1%	0.5%	0.8%	0.7%	Jan-13
Investment Grade Fixed Income	\$106,150	100.0%	1.9%	-7.6%	-0.7%	1.1%	1.5%	1.7%	Jan-13
Custom Benchmark Segall			1.5%	-8.2%	-1.3%	0.7%	1.1%	1.2%	Jan-13

Note: Allocations are based on data from the PNC custody statements.

Note: Returns are gross of fees.

UFCW and FELRA Legal Benefits Fund

Master Consulting Services Report as of December 31, 2022

Current vs. Policy						
	Current	Current	Policy	Policy Range	Difference	Difference
Investment Grade Fixed Income	\$106,150	100.0%	100.0%	30.0% - 100.0%	0.0%	\$0
Total	\$106,150	100.0%	100.0%			

- Due to the timing and size of the contributions and withdrawals, the Fund's allocations may vary widely from the Policy.
- Market value does not include the Legal Cash balance of \$350,221 as of December 31, 2022. The Total Fund market value including this account is \$456,371.

UFCW and FELRA Legal Fund - Asset Allocation & Portfolio Activity

Recommendations: None.

FELRA and UFCW Benefit Funds

Master Consulting Services Report as of December 31, 2022

Performance Detail (Net of Fees) - Annualized

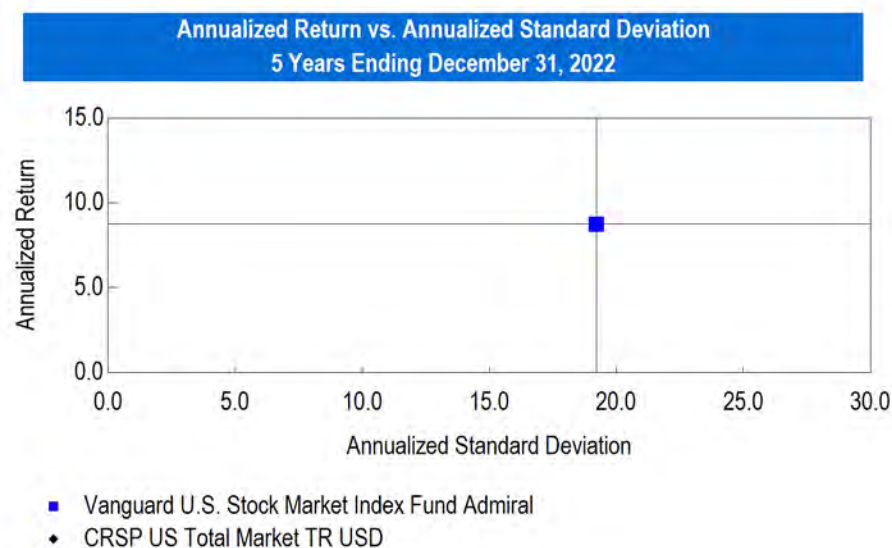
	Market Value	% of Portfolio	Ending December 31, 2022						
			2022 Q4	Fiscal YTD	3 Yrs	5 Yrs	7 Yrs	Inception	Inception Date
Total Fund	\$2,182,286	100.0%	1.9%	-7.1%	0.0%	1.6%	2.9%	3.0%	Jan-13
Total Domestic Large Cap Equity	\$92,319	4.2%	7.1%	-19.5%	7.0%	8.7%	11.0%	11.2%	Jan-13
Vanguard U.S. Stock Market Index Fund Admiral	\$92,319	4.2%	7.1%	-19.5%	7.0%	8.7%	11.0%	9.7%	Nov-14
CRSP US Total Market TR USD			7.1%	-19.5%	7.0%	8.7%	11.0%	9.7%	Nov-14
Total Investment Grade Fixed Income	\$1,310,656	60.1%	1.9%	-7.7%	-0.9%	0.9%	1.2%	1.5%	Jan-13
Segall Bryant & Hamill	\$1,310,656	60.1%	1.9%	-7.7%	-0.9%	0.9%	1.2%	1.5%	Jan-13
Custom Benchmark Segall			1.5%	-8.2%	-1.3%	0.7%	1.1%	1.2%	Jan-13
Total Short Duration High Yield Fixed Income	\$676,862	31.0%	2.8%	-3.1%	1.4%	2.4%	3.2%	2.7%	Sep-14
Chartwell Investment Partners SDHY	\$676,862	31.0%	2.8%	-3.1%	1.4%	2.4%	3.2%	2.7%	Sep-14
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR			2.7%	-3.1%	1.8%	3.1%	3.9%	3.5%	Sep-14
Total Cash Equivalents	\$102,450	4.7%							
Vanguard Cash Account	\$102,450	4.7%							

Account Information	
Account Name	Vanguard U.S. Stock Market Index Fund Admiral
Account Structure	Mutual Fund
Investment Style	Passive
Inception Date	11/01/14
Account Type	Domestic Large Cap Core Equity
Benchmark	CRSP US Total Market TR USD
Universe	Large Blend MStar MF

Vanguard U.S. Stock Market Index Fund Admiral

December 31, 2022

	Fourth Quarter	Inception 11/1/14
Beginning Market Value	\$86,164	--
Net Cash Flow	\$0	-\$5,583,671
Net Investment Change	\$6,154	\$5,675,989
Ending Market Value	\$92,319	\$92,319



3 Years Ending December 31, 2022

	Anlzd Return	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Vanguard U.S. Stock Market Index Fund Admiral	7.0%	21.8%	99.8%	99.9%
CRSP US Total Market TR USD	7.0%	21.8%	100.0%	100.0%

5 Years Ending December 31, 2022

	Anlzd Return	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Vanguard U.S. Stock Market Index Fund Admiral	8.7%	19.2%	99.8%	99.9%
CRSP US Total Market TR USD	8.7%	19.2%	100.0%	100.0%

Calendar Years

	2022 Q4	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank	2022	Rank	2021	Rank	2020	Rank	2019	Rank	2018	Rank	Inception	Inception Date
Vanguard U.S. Stock Market Index Fund Admiral	7.1%	74	-19.5%	77	7.0%	63	8.7%	57	-19.5%	77	25.7%	65	21.0%	19	30.8%	44	-5.1%	42	9.7%	Nov-14
CRSP US Total Market TR USD	7.1%	74	-19.5%	78	7.0%	63	8.7%	58	-19.5%	78	25.7%	65	21.0%	19	30.8%	44	-5.2%	44	9.7%	Nov-14

Note: Returns are net of fees.

FELRA & UFCW Benefit Funds - Vanguard U.S. Stock Market Index Fund Admiral

Manager Summary

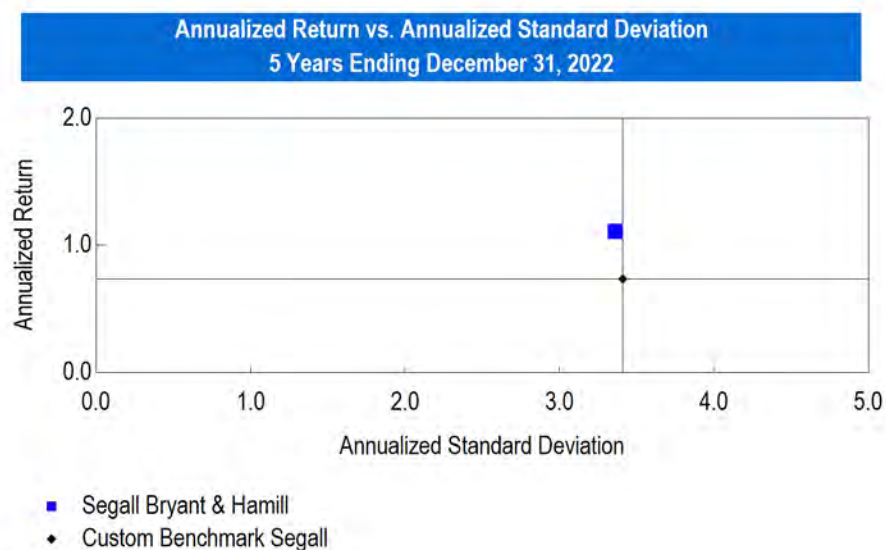
Recommendation: None.

Compliance Summary

This is an investment in a mutual fund; the underlying holdings of the mutual fund are not monitored for compliance.

Account Information	
Account Name	Segall Bryant & Hamill
Account Structure	Separate Account
Investment Style	Active
Inception Date	1/01/13
Account Type	Investment Grade Fixed Income
Benchmark	Custom Benchmark Segall
Universe	

Segall Bryant & Hamill		
December 31, 2022		
	Fourth Quarter	Inception 1/1/13
Beginning Market Value	\$3,046,096	\$11,361,650
Net Cash Flow	-\$1,770,000	-\$12,517,616
Net Investment Change	\$34,560	\$2,466,621
Ending Market Value	\$1,310,656	\$1,310,656



3 Years Ending December 31, 2022				
	Anlzd Return	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Segall Bryant & Hamill	-0.7%	3.9%	107.0%	96.1%
Custom Benchmark Segall	-1.3%	3.9%	100.0%	100.0%

5 Years Ending December 31, 2022				
	Anlzd Return	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Segall Bryant & Hamill	1.1%	3.4%	102.6%	94.0%
Custom Benchmark Segall	0.7%	3.4%	100.0%	100.0%

	Calendar Years											Inception Date
	2022 Q4	1 Yr	3 Yrs	5 Yrs	2022	2021	2020	2019	2018	Inception		
Segall Bryant & Hamill	1.9%	-7.6%	-0.7%	1.1%	-7.6%	-1.3%	7.2%	6.6%	1.3%	1.7%		Jan-13
Custom Benchmark Segall	1.5%	-8.2%	-1.3%	0.7%	-8.2%	-1.4%	6.4%	6.8%	0.9%	1.2%		Jan-13

Note: Returns are gross of fees.

FELRA & UFCW Benefit Funds - Segall Bryant & Hamill

Manager Summary

- IPS conducted due diligence meetings with Segall, Bryant & Hamill (SBH) on March 24, 2020, July 7, 2020, October 26, 2020, January 26, 2021, January 29, 2021 and October 26, 2022.
- On January 25, 2021, it was announced that CI Financial (CI), a Toronto-based asset management and advisory firm, will acquire 100% of SBH. SBH does not expect any departures from their investment teams as a result of the transaction, which closed on April 30, 2021.

Recommendation: None.

Compliance Summary

Exception #1: Policy Addendum states - Fixed Income securities in an individual company's portfolio are required to have credit ratings limited to BBB- or Baa3 and above as established by at least two of the three bond rating agencies.

Two inherited bonds held as of December 31, 2022, are currently below investment grade with a total market value of \$9,704 (0.74% of the portfolio).

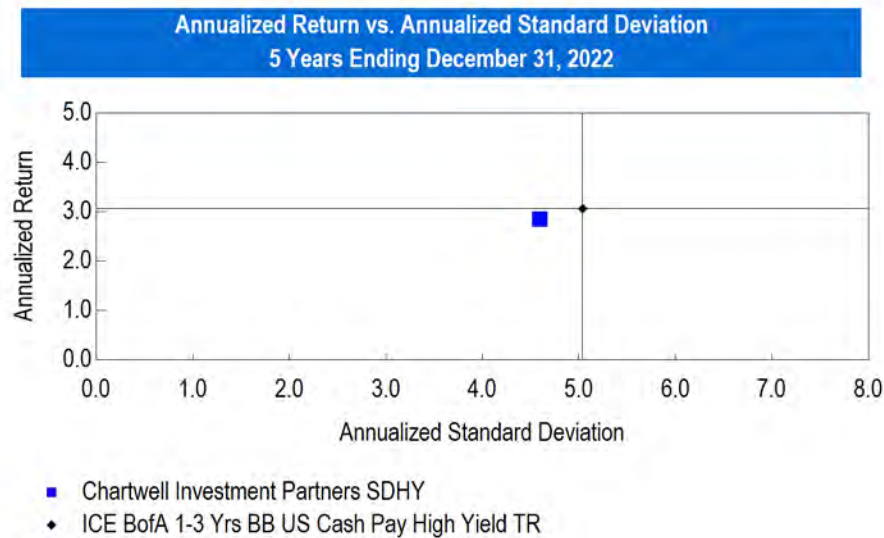
Manager Response Summary: The manager provided a table with the inherited bonds that are currently below investment grade and in default in the 4Q2022 compliance report. The manager stated Countrywide Home Loans and GMAC Mortgage CORP Loan are currently being monitored for sale and securities continue to pay down.

Action to be taken: Based on the comments provided by the manager, no action is required.

Items of Interest: Compliance - The manager stated these accounts hold a number of defaulted securities inherited from the previous manager, which they are waiting for resolution. Additionally, these accounts hold mortgages and one asset backed security, which they continue to monitor bids to sell at a reasonable level.

Account Information	
Account Name	Chartwell Investment Partners SDHY
Account Structure	Separate Account
Investment Style	Active
Inception Date	9/30/14
Account Type	Short Duration High Yield Fixed Income
Benchmark	ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR
Universe	

Chartwell Investment Partners SDHY		
December 31, 2022		
	Fourth Quarter	Inception 9/30/14
Beginning Market Value	\$1,382,214	--
Net Cash Flow	-\$730,000	-\$800,322
Net Investment Change	\$24,647	\$1,477,184
Ending Market Value	\$676,862	\$676,862



3 Years Ending December 31, 2022				
	Anlzd Return	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Chartwell Investment Partners SDHY	1.8%	5.8%	90.8%	90.4%
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR	1.8%	6.3%	100.0%	100.0%

5 Years Ending December 31, 2022				
	Anlzd Return	Anlzd Standard Deviation	Up Mkt Capture Ratio	Down Mkt Capture Ratio
Chartwell Investment Partners SDHY	2.9%	4.6%	89.3%	90.1%
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR	3.1%	5.0%	100.0%	100.0%

	Calendar Years										Inception Date
	2022 Q4	1 Yr	3 Yrs	5 Yrs	2022	2021	2020	2019	2018	Inception	
Chartwell Investment Partners SDHY	2.9%	-2.7%	1.8%	2.9%	-2.7%	2.8%	5.5%	7.8%	1.2%	3.1%	Sep-14
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR	2.7%	-3.1%	1.8%	3.1%	-3.1%	3.2%	5.4%	8.7%	1.4%	3.5%	Sep-14

Note: Returns are gross of fees.

FELRA & UFCW Benefit Funds - Chartwell Investment Partners SDHY

Manager Summary

- IPS conducted due diligence meetings with Chartwell on March 25, 2020, July 13, 2020, October 12, 2020, January 19, 2021, July 22, 2021 and July 19, 2022.
- On October 20, 2021, Chartwell announced that their parent company, TriState Capital Holdings, has agreed to be acquired by Raymond James Financial. Upon closing of the transaction, Chartwell will become an affiliate of Carillon Tower, the asset management subsidiary of Raymond James Financial. Chartwell provided a letter to clients requesting acknowledgment and consent to the ownership change. IPS provided a memo recommending clients consent to the ownership change, subject to counsel review. Consent was provided. The transaction closed on June 1, 2022.

Recommendation: None.

Compliance Summary

Exceptions: None.

Action to be taken: None.

Items of Interest: Personnel Additions - The manager stated during 4Q 2022 Jack Brodsky joined Chartwell as Vice President of Taft Hartley Services.

Investment Policy Statement

- The current investment policy statement was adopted June 4, 2015.

Custody Bank

- The current custodian is PNC Bank.
- Separate account market values and flows are derived from the custodial statement.

Mutual Funds

- Mutual Fund: Due to the mutual fund structure, IPS does not monitor the holdings within the mutual fund for compliance with the client's investment policy statement. The mutual fund is governed by its own investment policy.
- Mutual fund market values and flows are derived from the custodial statement.



FELRA and UFCW Benefit Funds VEBA, Severance, and Legal Funds

Appendix

FELRA and UFCW Benefit Funds

Master Consulting Services Report as of December 31, 2022

Performance Detail (Gross of Fees) - Annualized

	Market Value	% of Portfolio	Ending December 31, 2022						
			2022 Q4	Fiscal YTD	3 Yrs	5 Yrs	7 Yrs	Inception	Inception Date
Total Fund	\$2,182,286	100.0%	1.9%	-6.9%	0.2%	1.9%	3.1%	3.2%	Jan-13
Total Domestic Large Cap Equity	\$92,319	4.2%	7.2%	-19.5%	7.0%	8.7%	11.0%	11.4%	Jan-13
Vanguard U.S. Stock Market Index Fund Admiral	\$92,319	4.2%	7.2%	-19.5%	7.0%	8.7%	11.0%	9.8%	Nov-14
CRSP US Total Market TR USD			7.1%	-19.5%	7.0%	8.7%	11.0%	9.7%	Nov-14
Total Investment Grade Fixed Income	\$1,310,656	60.1%	1.9%	-7.6%	-0.7%	1.1%	1.4%	1.7%	Jan-13
Segall Bryant & Hamill	\$1,310,656	60.1%	1.9%	-7.6%	-0.7%	1.1%	1.4%	1.7%	Jan-13
Custom Benchmark Segall			1.5%	-8.2%	-1.3%	0.7%	1.1%	1.2%	Jan-13
Total Short Duration High Yield Fixed Income	\$676,862	31.0%	2.9%	-2.7%	1.8%	2.9%	3.7%	3.1%	Sep-14
Chartwell Investment Partners SDHY	\$676,862	31.0%	2.9%	-2.7%	1.8%	2.9%	3.7%	3.1%	Sep-14
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR			2.7%	-3.1%	1.8%	3.1%	3.9%	3.5%	Sep-14
Total Cash Equivalents	\$102,450	4.7%							
Vanguard Cash Account	\$102,450	4.7%							

FELRA and UFCW Benefit Funds

Master Consulting Services Report as of December 31, 2022

Account	Fee Schedule	Market Value As of 12/31/2022	% of Portfolio	Estimated Annual Fee (\$)	Estimated Annual Fee (%)
Total Domestic Large Cap Equity	-	\$92,319	4.2%	--	--
Vanguard U.S. Stock Market Index Fund Admiral	0.04% of Assets	\$92,319	4.2%	\$37	0.04%
Total Investment Grade Fixed Income	-	\$1,310,656	60.1%	--	--
Segall Bryant & Hamill	0.20% of Assets	\$1,310,656	60.1%	\$2,621	0.20%
Total Short Duration High Yield Fixed Income	-	\$676,862	31.0%	--	--
Chartwell Investment Partners SDHY	0.45% of First 20.0 Mil, 0.35% of Next 20.0 Mil, 0.25% Thereafter	\$676,862	31.0%	\$3,046	0.45%
Total Cash Equivalents	-	\$102,450	4.7%	--	--
Vanguard Cash Account	-	\$102,450	4.7%	--	--
Investment Management Fee		\$2,182,286	100.0%	\$5,704	0.26%

Note: The above fee schedules may not include incentive fees, operating expenses, custodian fees, or other administrative costs.

Note: The above information utilizes net expense ratio for any mutual fund investment. Management fee is used for all other investment types.

Benchmark History		
Segall Bryant & Hamill		
9/1/2014	Present	Bloomberg US Govt/Credit Int TR 100%
1/1/2013	8/31/2014	Bloomberg US Aggregate TR 100%

Footnotes

- Values, flows and returns for all commingled funds, mutual funds, partnerships, and all other alternative assets are provided by the firm managing the assets and cannot be verified by IPS.
- The net of fees returns in this report are estimated. Fees do not include: the investment consulting fee paid to IPS, custodian fees, or other administrative costs.
- Separately managed account returns are calculated by IPS using custodian data.
- Effective 4Q 2021, mutual fund returns are calculated utilizing the net expense ratio. Prior to 4Q 2021, mutual fund returns were calculated utilizing the mutual fund's management fee.



**FELRA and UFCW Benefit Funds
VEBA, Severance, and Legal Funds**

Preliminary Monthly Performance Update

Period Ended
January 31, 2023

Total Fund of Growth of Assets

Fiscal Year-To-Date

Beginning Market Value	\$2,182,286
Net Cash Flow	\$0
Net Investment Change	\$41,880
Ending Market Value	\$2,224,166

- The Fund's fiscal year end is December 31st.
- Total assets represent the combined value of the VEBA, Severance, and Legal Funds.
- Market value does not include the VEBA Cash balance of \$3,224,462, Severance Cash balance of \$4,111,744, and Legal Cash balance of \$179,614 as of January 31, 2023. The Total Fund market value including these accounts is \$9,739,986.

FELRA and UFCW Benefit Funds

Preliminary Monthly Performance Update as of January 31, 2023

Performance Detail (Gross of Fees)

	Market Value	% of Portfolio	Ending January 31, 2023 Fiscal YTD
Total Fund	\$2,224,166	100.0%	1.9%
Total Domestic Large Cap Equity	\$98,685	4.4%	6.9%
Vanguard U.S. Stock Market Index Fund Admiral <i>CRSP US Total Market TR USD</i>	\$98,685	4.4%	6.9%
Total Investment Grade Fixed Income	\$1,334,759	60.0%	1.8%
Segall Bryant & Hamill <i>Custom Benchmark Segall</i>	\$1,334,759	60.0%	1.8%
Total Short Duration High Yield Fixed Income	\$687,909	30.9%	1.6%
Chartwell Investment Partners SDHY <i>ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR</i>	\$687,909	30.9%	1.6%
Total Cash Equivalents	\$102,813	4.6%	
Vanguard Cash Account	\$102,813	4.6%	

FELRA and UFCW Benefit Funds

Preliminary Monthly Performance Update as of January 31, 2023

Performance Detail (Net of Fees)

	Market Value	% of Portfolio	Ending January 31, 2023 Fiscal YTD
Total Fund	\$2,224,166	100.0%	1.9%
Total Domestic Large Cap Equity	\$98,685	4.4%	6.9%
Vanguard U.S. Stock Market Index Fund Admiral	\$98,685	4.4%	6.9%
CRSP US Total Market TR USD			6.9%
Total Investment Grade Fixed Income	\$1,334,759	60.0%	1.8%
Segall Bryant & Hamill	\$1,334,759	60.0%	1.8%
Custom Benchmark Segall			1.9%
Total Short Duration High Yield Fixed Income	\$687,909	30.9%	1.6%
Chartwell Investment Partners SDHY	\$687,909	30.9%	1.6%
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR			1.9%
Total Cash Equivalents	\$102,813	4.6%	
Vanguard Cash Account	\$102,813	4.6%	

FELRA and UFCW VEBA Fund

Preliminary Monthly Performance Update as of January 31, 2023

Total Fund Growth of Assets

Fiscal Year-To-Date

Beginning Market Value	\$1,281,593
Net Cash Flow	\$0
Net Investment Change	\$25,894
Ending Market Value	\$1,307,486

Ending
January
31, 2023

	Market Value	% of Portfolio	Fiscal YTD
Total VEBA Fund	\$1,307,486	100.0%	2.0%
Domestic Large Cap Equity	\$98,685	7.5%	6.9%
CRSP US Total Market TR USD			6.9%
Investment Grade Fixed Income	\$702,002	53.7%	1.8%
Custom Benchmark Segall			1.9%
Short Duration High Yield Fixed Income	\$403,987	30.9%	1.6%
ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR			1.9%
Vanguard Cash Account	\$102,813	7.9%	

Note: Returns are gross of fees.

FELRA and UFCW VEBA Fund

Preliminary Monthly Performance Update as of January 31, 2023

Current vs. Policy						
	Current	Current	Policy	Policy Range	Difference	Difference
Domestic Large Cap Equity	\$98,685	7.5%	10.0%	0.0% - 100.0%	-2.5%	-\$32,064
Investment Grade Fixed Income	\$702,002	53.7%	50.0%	0.0% - 100.0%	3.7%	\$48,259
Short Duration High Yield Fixed Income	\$403,987	30.9%	30.0%	0.0% - 100.0%	0.9%	\$11,741
Real Estate	\$0	0.0%	10.0%	0.0% - 100.0%	-10.0%	-\$130,749
Cash Equivalents	\$102,813	7.9%	0.0%	0.0% - 0.0%	7.9%	\$102,813
Total	\$1,307,486	100.0%	100.0%			

- Policy adopted March 2022; effective TBD (pending capital calls).
- Due to the timing and size of the contributions and withdrawals, the Fund's allocations may vary widely from the Policy.
- Market value does not include the VEBA Cash balance of \$3,224,462 as of January 31, 2023. The Total Fund market value including this account is \$4,531,948.

UFCW and FELRA Severance Fund
Preliminary Monthly Performance Update as of January 31, 2023

Total Fund Growth of Assets	
	Fiscal Year-To-Date
Beginning Market Value	\$794,544
Net Cash Flow	\$0
Net Investment Change	\$14,034
Ending Market Value	\$808,578

	Market Value	% of Portfolio	Ending January 31, 2023 Fiscal YTD
Total Severance Fund	\$808,578	100.0%	1.8%
Investment Grade Fixed Income	\$524,656	64.9%	1.8%
<i>Custom Benchmark Segall</i>			1.9%
Short Duration High Yield Fixed Income	\$283,922	35.1%	1.6%
<i>ICE BofA 1-3 Yrs BB US Cash Pay High Yield TR</i>			1.9%

Note: Returns are gross of fees.

UFCW and FELRA Severance Fund
Preliminary Monthly Performance Update as of January 31, 2023

Current vs. Policy						
	Current	Current	Policy	Policy Range	Difference	Difference
Investment Grade Fixed Income	\$524,656	64.9%	65.0%	10.0% - 80.0%	-0.1%	-\$920
Short Duration High Yield Fixed Income	\$283,922	35.1%	35.0%	15.0% - 60.0%	0.1%	\$920
Total	\$808,578	100.0%	100.0%			

- Policy adopted in March 2022; effective January 2023.
- Due to the timing and size of the contributions and withdrawals, the Fund's allocations may vary widely from the Policy.
- Market value does not include the Severance Cash balance of \$4,111,744 as of January 31, 2023. The Total Fund market value including this account is \$4,920,322.

UFCW and FELRA Legal Benefits Fund
Preliminary Monthly Performance Update as of January 31, 2023

Total Fund Growth of Assets

Fiscal Year-To-Date

Beginning Market Value	\$106,150
Net Cash Flow	\$0
Net Investment Change	\$1,952
Ending Market Value	\$108,102

**Ending
January
31, 2023**

	Market Value	% of Portfolio	Fiscal YTD
Total Legal Fund	\$108,102	100.0%	1.8%
Investment Grade Fixed Income	\$108,102	100.0%	1.8%
<i>Custom Benchmark Segall</i>			1.9%

Note: Returns are gross of fees.

UFCW and FELRA Legal Benefits Fund
Preliminary Monthly Performance Update as of January 31, 2023

Current vs. Policy						
	Current	Current	Policy	Policy Range	Difference	Difference
Investment Grade Fixed Income	\$108,102	100.0%	100.0%	30.0% - 100.0%	0.0%	\$0
Total	\$108,102	100.0%	100.0%			

- Due to the timing and size of contributions and withdrawals, the Fund's allocations may vary widely from the Policy.
- Market value does not include the Legal Cash balance of \$179,614 as of January 31, 2023. The Total Fund market value including this account is \$287,716.

Footnotes

- The information contained in this report is proprietary and confidential information. You are hereby notified that any dissemination, distribution, or copying of this document is strictly prohibited.
- Values, flows, and returns for all commingled funds, mutual funds, partnerships, and all other alternative assets are provided by the firm managing the assets and cannot be independently verified by IPS.
- Separately managed account returns are calculated by IPS using custodian data.
- The net of fees returns in this report are estimated. Fees do not include: the investment consulting fee paid to IPS, custodian fees, or other administrative costs.



ASSET ALLOCATION REVIEW

FELRA & UFCW Benefit Funds

March 2023



Asset Allocation Overview

- The asset allocation review is provided to assist the Trustees in identifying portfolios that meet the investment objectives, risk tolerance, and liquidity requirements of the Fund.
- The IPS Investment Committee develops and utilizes capital market assumptions for various asset classes to help determine the optimal mix of assets for an investment portfolio. These assumptions are forward-looking projections of an asset class' expected return and risk as measured by standard deviation or volatility of returns.
- All return assumptions are "net of fee" market or index returns and do not include alpha or excess return expected to be generated through active management. Return assumptions are the average expected return over the next 10 – 20 years and not the expected return in any given year.
- IPS capital market assumptions are compared with various assumptions from other providers and published resources for reasonableness. The IPS Investment Committee reviews the assumptions on a semiannual basis but may adjust at anytime, as needed, based on severe market dislocations, sudden changes in interest rates, or extreme events that impact global markets, economic development, and the business cycle.
- IPS capital market assumptions are not a guarantee of future performance. Actual results may differ from the projections included in this review.
- The asset allocation modeling requires the mathematical construction of an efficient frontier of various portfolios with distinct asset allocations and risk and return characteristics. The modeling process also requires the imposition of constraints, so that the efficient frontier represents a prudently diversified portfolio with adequate consideration of the liquidity needs and investment time horizon. Unconstrained optimization frequently generates allocations that have superior risk/reward characteristics, but the resulting allocations may not be adequately diversified and/or may have inappropriate allocations to illiquid investments.
- IPS utilizes the Wilshire Compass system for asset allocation modeling and all returns are based on geometric calculation.

Annualized Expected Returns over 10-20 years

Equity Asset Class	Return	Risk
U.S. Large Cap	6.50%	15.50
U.S. Mid Cap	6.75%	17.50
U.S. Smid Cap	6.88%	19.00
U.S. Small Cap	7.00%	20.50
International Large Cap	7.50%	16.75
International Small Cap	8.00%	19.50
Emerging Markets	8.50%	20.50
Global Equity	7.00%	17.00

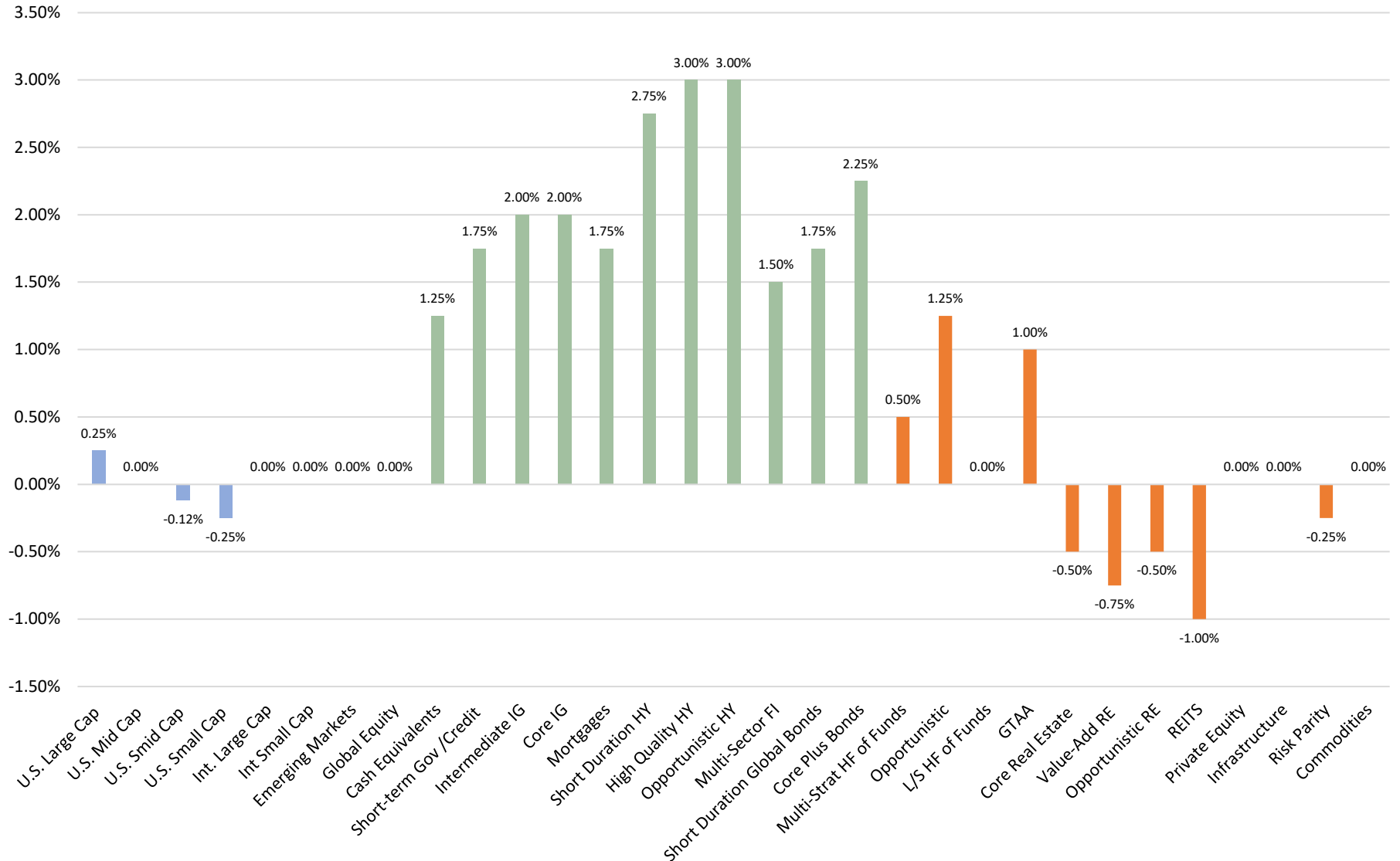
Fixed Income Asset Class	Return	Risk
Cash Equivalents	2.75%	0.50
Short-term Gov / Credit	3.50%	2.00
Intermediate Investment Grade	4.25%	3.50
Core Investment Grade	4.50%	4.25
Mortgages	4.75%	5.25
Short Duration High Quality High Yield	6.25%	6.25
High Quality High Yield	7.50%	8.25
Opportunistic High Yield	8.00%	8.75
Multi-Sector Fixed Income	3.50%	6.25
Short Duration Global Bonds	2.50%	5.00
Core Plus Bonds	5.00%	5.50

Alternatives Asset Class	Return	Risk
Multi-Strategy Hedge Fund of Funds	5.00%	6.25
Opportunistic Strategies	8.25%	11.00
Long Short Equity Hedge Fund of Funds	5.00%	8.50
Global Tactical Asset Allocation	6.50%	12.25
Core Real Estate	6.00%	9.75
Value-Add Real Estate	7.00%	11.50
Opportunistic Real Estate	9.00%	14.25
REITS	5.00%	20.00
Diversified Private Equity	10.00%	20.00
Core Infrastructure	6.25%	11.50
Core+/Value Add Infrastructure	8.25%	15.00
Risk Parity	5.50%	16.00
Commodities	3.75%	17.00

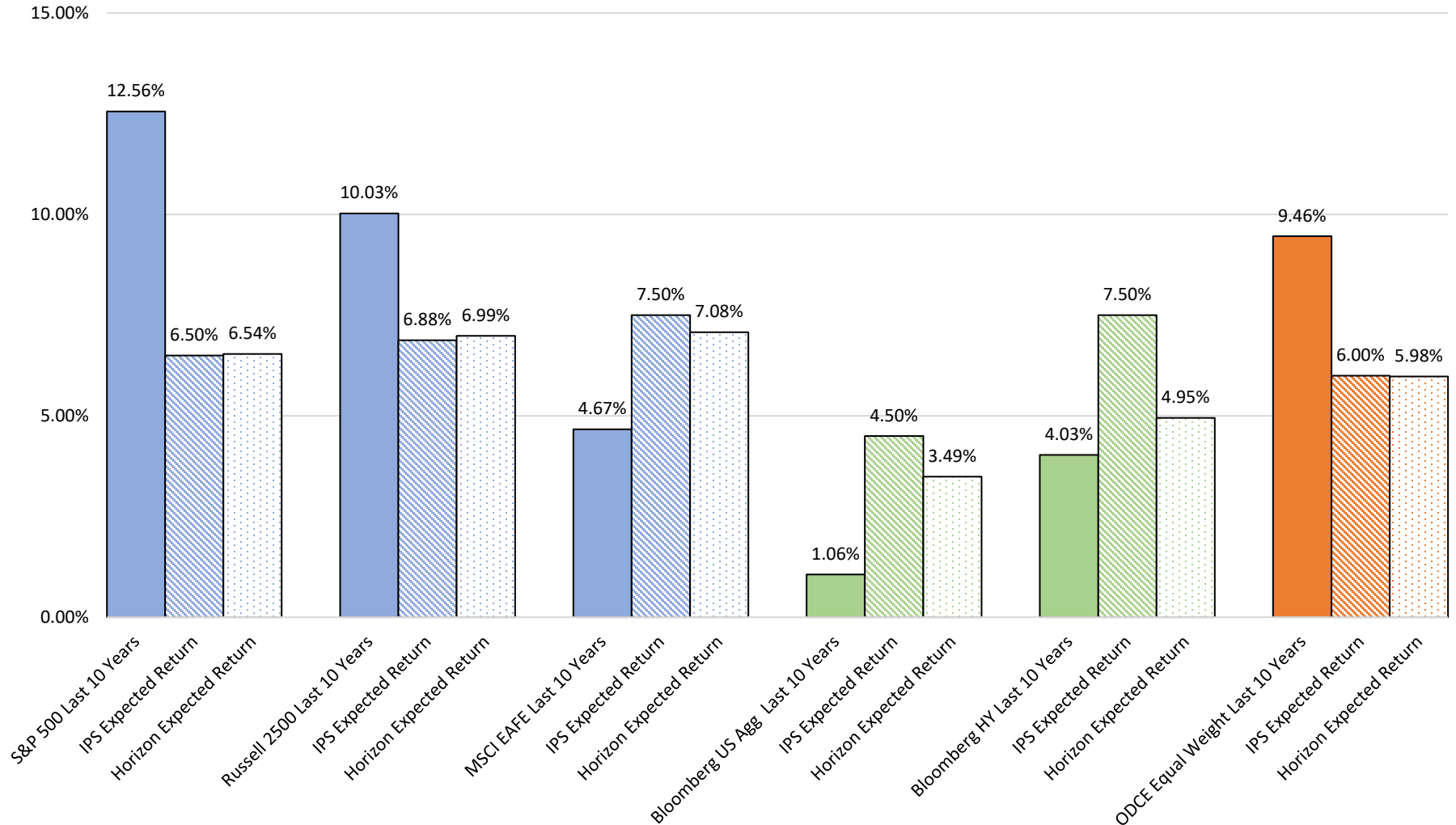


- IPS Investment Committee January 2023.
- Inflation expectation 2.5%.

Change in Expected Returns¹



Historical Returns vs. Forward Looking Assumptions



- "Last 10 Years" returns are as of 12/31/2022.

- "Horizon Expected Returns" are sourced from the Survey of Capital Market Assumptions (20-year horizon) published by Horizon Actuarial Services, LLC published in the August 2022 edition.

Asset Class Constraints

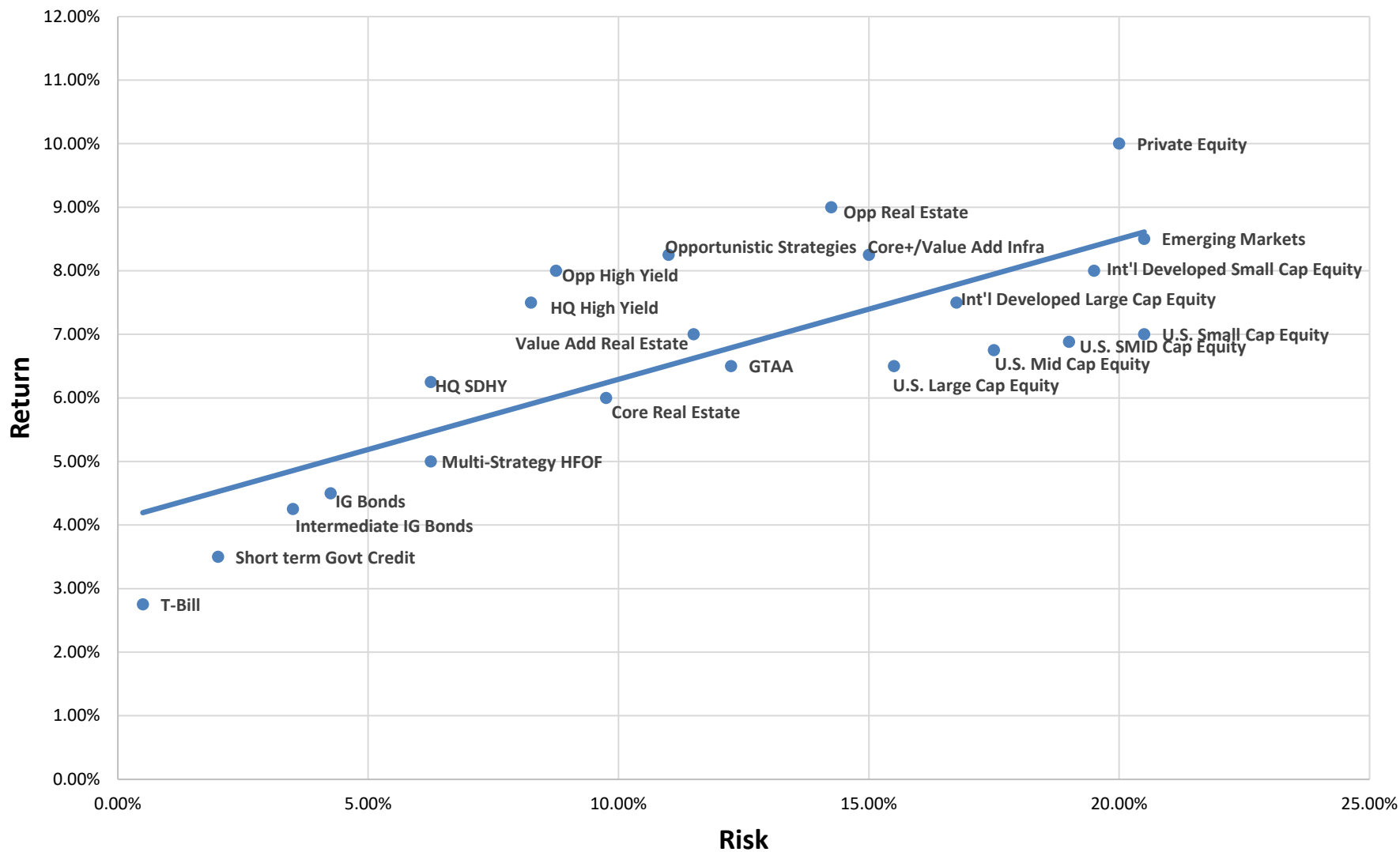


Total Domestic Equity	20%	Max
Cash	5%	Max
Fixed Investment Grade (Includes Short Term & Intermediate)	20%	Min
High Quality High Yield Bonds (Includes Short Duration)	30%	Max
Real Estate – Core	10%	Max
Real Estate – Value Add	5%	Max

The Asset Allocation modeling requires the mathematical construction of an efficient frontier of various portfolios with distinct asset allocations and risk and return characteristics. The modeling process also requires the imposition of constraints, so that the efficient frontier represents a prudently diversified portfolio with adequate consideration of the liquidity needs and investment time horizon. Unconstrained optimization frequently generates allocations that have superior risk/reward characteristics, but the resulting allocations may not be adequately diversified and/or may have high allocations to illiquid investments.

The constraints shown are used for modeling purposes only. They should not be construed as suggested or recommended allocations, or limits on allocations, to any asset class or investment strategy. Each client fund has different facts, circumstances, time horizon, risk tolerance levels, return objectives, investment preferences, cash flows, and liquidity requirements. As such, each client's investment policy may differ materially from the constraints shown above.

2023 Capital Market Assumptions



Asset Class Correlations



Assumption table:	US Large Cap Equity	US Mid Cap Equity	US Smid Cap Equity	US Small Cap Equity	Int'l Large Cap Equity	Int'l Small Cap Equity	Emerging Markets Equity	Cash	Short Term Govt / Credit	Interm. Invest. Grade	Core Invest. Grade	Short Duration High Yield	High Yield	Real Estate Core	Real Estate Value Add	Private Equity	HFoF Multi-Strategy	Opp. Strategies	GTAA	Infrastructure
US Large Cap Equity	1.00																			
US Mid Cap Equity	0.96	1.00																		
US Smid Cap Equity	0.93	0.97	1.00																	
US Small Cap Equity	0.90	0.95	0.98	1.00																
Int'l Equity	0.87	0.87	0.83	0.79	1.00															
Int'l Small Cap Equity	0.84	0.86	0.83	0.79	0.96	1.00														
Emerging Markets Equity	0.75	0.77	0.74	0.70	0.86	0.85	1.00													
Cash	-0.13	-0.14	-0.14	-0.13	-0.06	-0.12	-0.01	1.00												
Short Term Govt / Credit	-0.09	-0.07	-0.10	-0.12	0.03	0.03	0.09	0.40	1.00											
Int. Investment Grade	0.01	0.03	-0.01	-0.05	0.10	0.11	0.15	0.15	0.85	1.00										
Core Investment Grade	0.03	0.05	0.00	-0.04	0.09	0.10	0.14	0.11	0.77	0.96	1.00									
Short Duration High Yield	0.62	0.70	0.65	0.60	0.66	0.70	0.66	-0.13	0.19	0.31	0.29	1.00								
High Yield	0.70	0.77	0.73	0.69	0.73	0.74	0.71	-0.14	0.13	0.27	0.28	0.93	1.00							
Real Estate Core	0.12	0.09	0.08	0.09	0.07	0.04	0.00	0.21	-0.20	-0.15	-0.12	-0.15	-0.08	1.00						
Real Estate Value Add	0.12	0.09	0.08	0.09	0.07	0.04	0.00	0.21	-0.20	-0.15	-0.12	-0.15	-0.08	0.99	1.00					
Private Equity	0.90	0.95	0.98	0.99	0.79	0.79	0.70	-0.13	-0.12	-0.05	-0.04	0.60	0.69	0.09	0.09	1.00				
HFoF Multi-Strategy	0.75	0.79	0.76	0.72	0.80	0.84	0.77	-0.06	-0.04	0.01	0.03	0.65	0.68	0.14	0.14	0.72	1.00			
Opportunistic Strategies	0.72	0.79	0.75	0.71	0.75	0.76	0.73	-0.15	0.11	0.24	0.24	0.92	0.98	-0.10	-0.10	0.71	0.68	1.00		
GTAA	0.94	0.91	0.87	0.83	0.96	0.93	0.85	-0.07	0.10	0.20	0.21	0.67	0.74	0.07	0.07	0.83	0.77	0.76	1.00	
Infrastructure	0.77	0.75	0.69	0.64	0.83	0.77	0.70	-0.01	0.06	0.19	0.22	0.57	0.64	0.11	0.11	0.64	0.64	0.65	0.85	1.00

A correlation of 1.00 indicates two series move perfectly together while a -1.00 shows they move perfectly opposite one another.

Figures based on historical data from March 2005 - March 2022.

Efficient Frontier Analysis



Efficient Frontier Report										
Asset	Portfolio 1	Portfolio 2	Portfolio 3	Portfolio 4	Portfolio 5	Portfolio 6	Portfolio 7	Portfolio 8	Portfolio 9	Portfolio 10
US Large Cap Equity	1.04	0.00	0.00	0.00	0.00	0.00	0.00	2.18	10.10	20.00
US Mid Cap Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
US Smid Cap Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
US Small Cap Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Int'l Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Int'l Small Cap Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Emerging Markets	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cash	5.00	5.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00	0.00
Short Term Govt / Credit	84.12	75.02	67.86	60.20	55.87	39.83	17.63	0.00	0.00	0.00
Int. Investment Grade	0.00	0.00	0.00	0.00	1.03	13.23	37.37	21.41	0.00	0.00
Core Investment Grade	0.00	0.00	0.00	0.00	2.36	1.93	0.00	31.41	44.90	35.00
Short Duration High Yield	3.02	10.70	10.66	10.57	10.98	9.29	0.00	0.00	0.00	0.00
High Yield	0.00	0.31	5.50	10.91	14.76	20.71	30.00	30.00	30.00	30.00
Real Estate Core	6.81	5.49	5.99	8.32	10.00	10.00	10.00	10.00	10.00	10.00
Real Estate Value Add	0.00	3.49	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Private Equity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HFoF Multi-Strategy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Opp. Strategies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GTAA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Return	3.80	4.09	4.39	4.68	4.97	5.26	5.54	5.82	6.09	6.34
Risk	1.74	1.81	2.00	2.28	2.61	2.99	3.42	3.95	4.70	5.78
Return/Risk	2.18	2.26	2.20	2.06	1.90	1.76	1.62	1.47	1.30	1.10

Current Policy Comparison

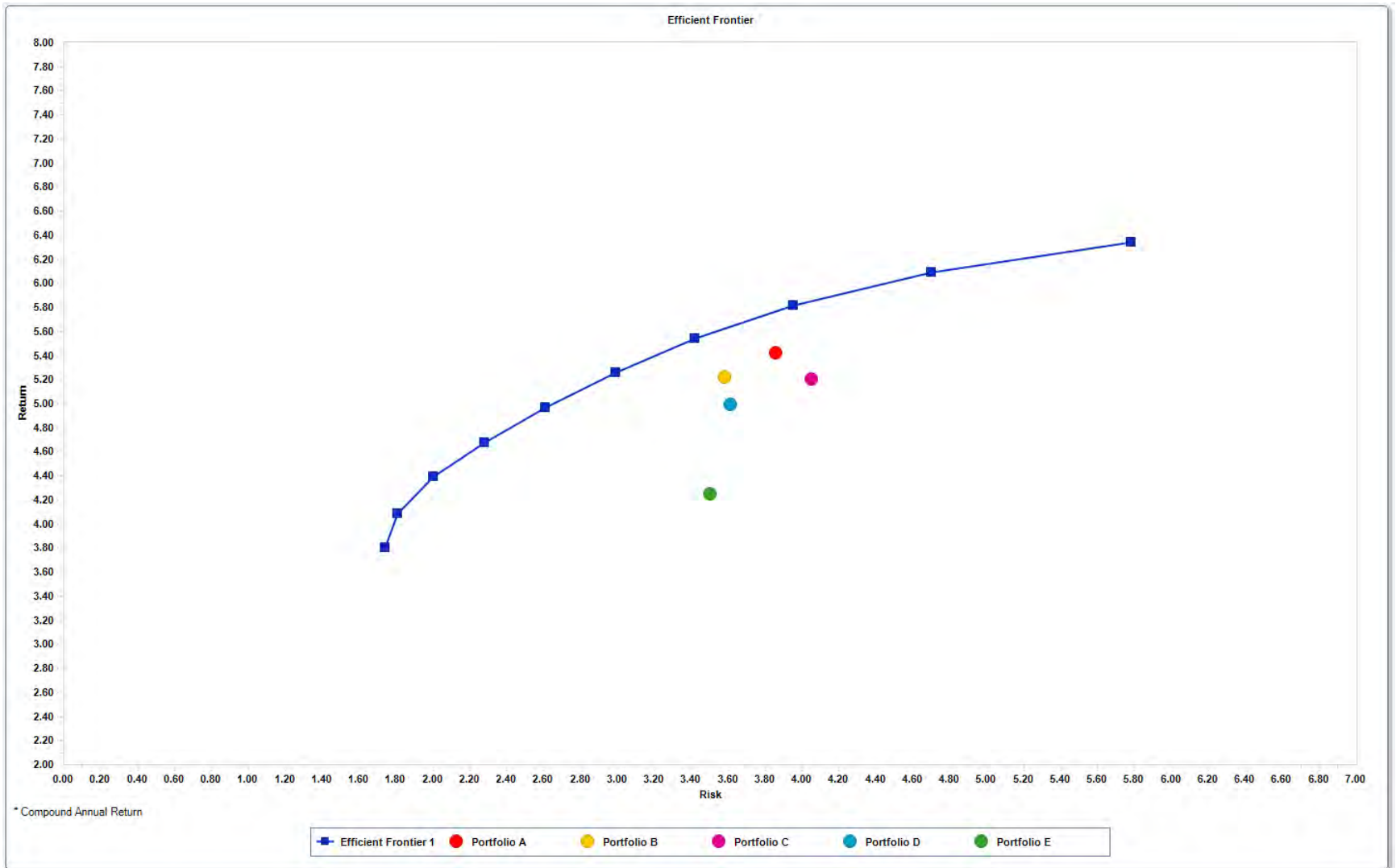


		% Equity Target	% Fixed Income Target		% Alternatives Target	Expected Return (net of fees)	Risk	Comments
		US LC Equity	Fixed Income Interm	Short Duration High Yield	Real Estate Core			
1	FELRA & UFCW VEBA Fund Portfolio A	10.0	50.0	30.0	10.0	5.42%	3.86	Current Policy
2	Portfolio B	10.0	60.0	20.0	10.0	5.22%	3.58	Increase Fixed Income Intermediate, Decrease SDHY
3	Portfolio C	10.0	60.0	30.0	0.0	5.20%	4.05	Increase Fixed Income Intermediate, Decrease RE Core
4	FELRA and UFCW Severance Fund Portfolio D	0.0	65.0	35.0	0.0	4.99%	3.61	Current Policy
5	FELRA and UFCW Legal Fund Portfolio E	0.0	100.0	0.0	0.0	4.25%	3.50	Current Policy

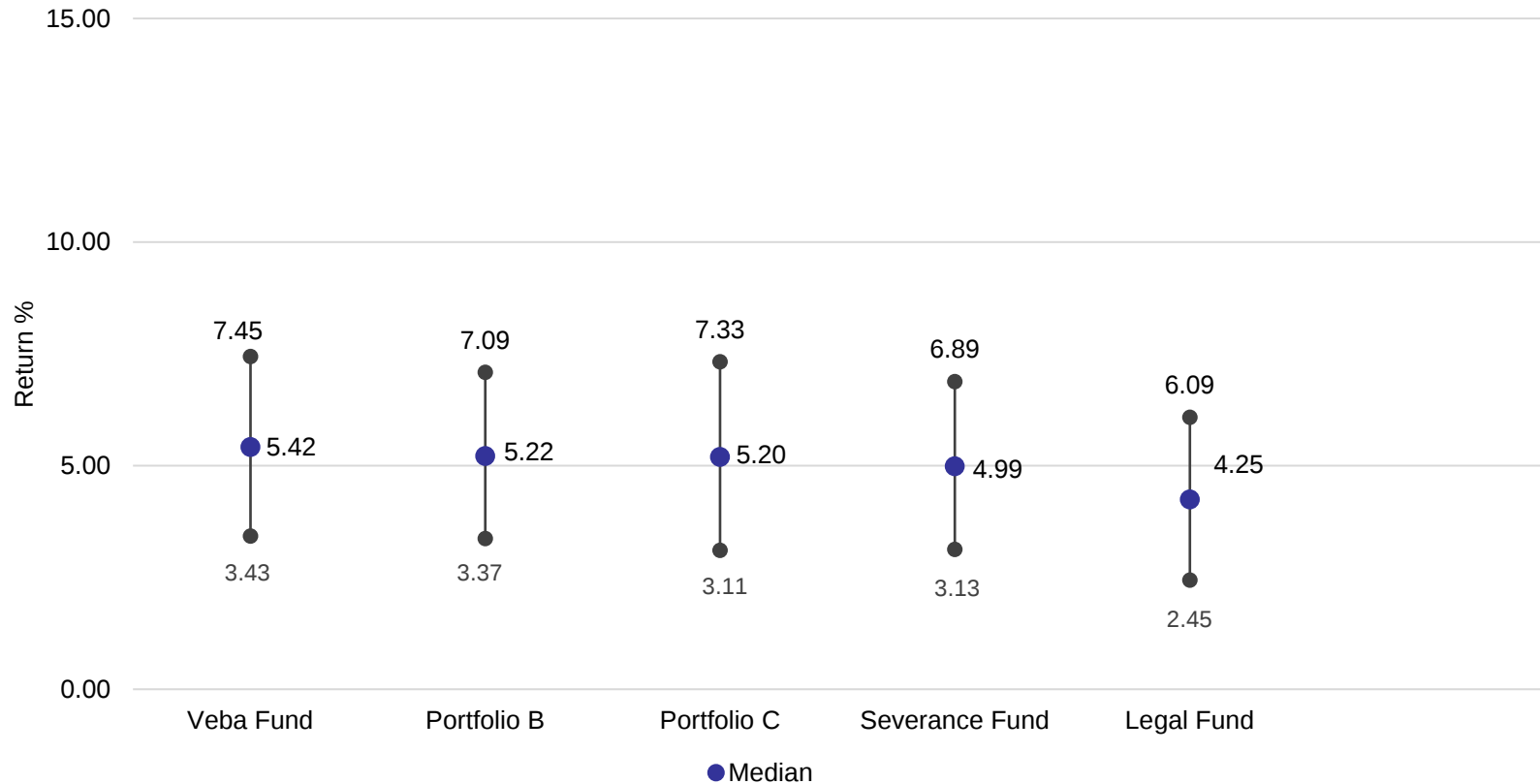
Scenarios are shown for illustrative purposes.

Green	Increase allocation
Red	Decrease allocation
Blue	New asset class

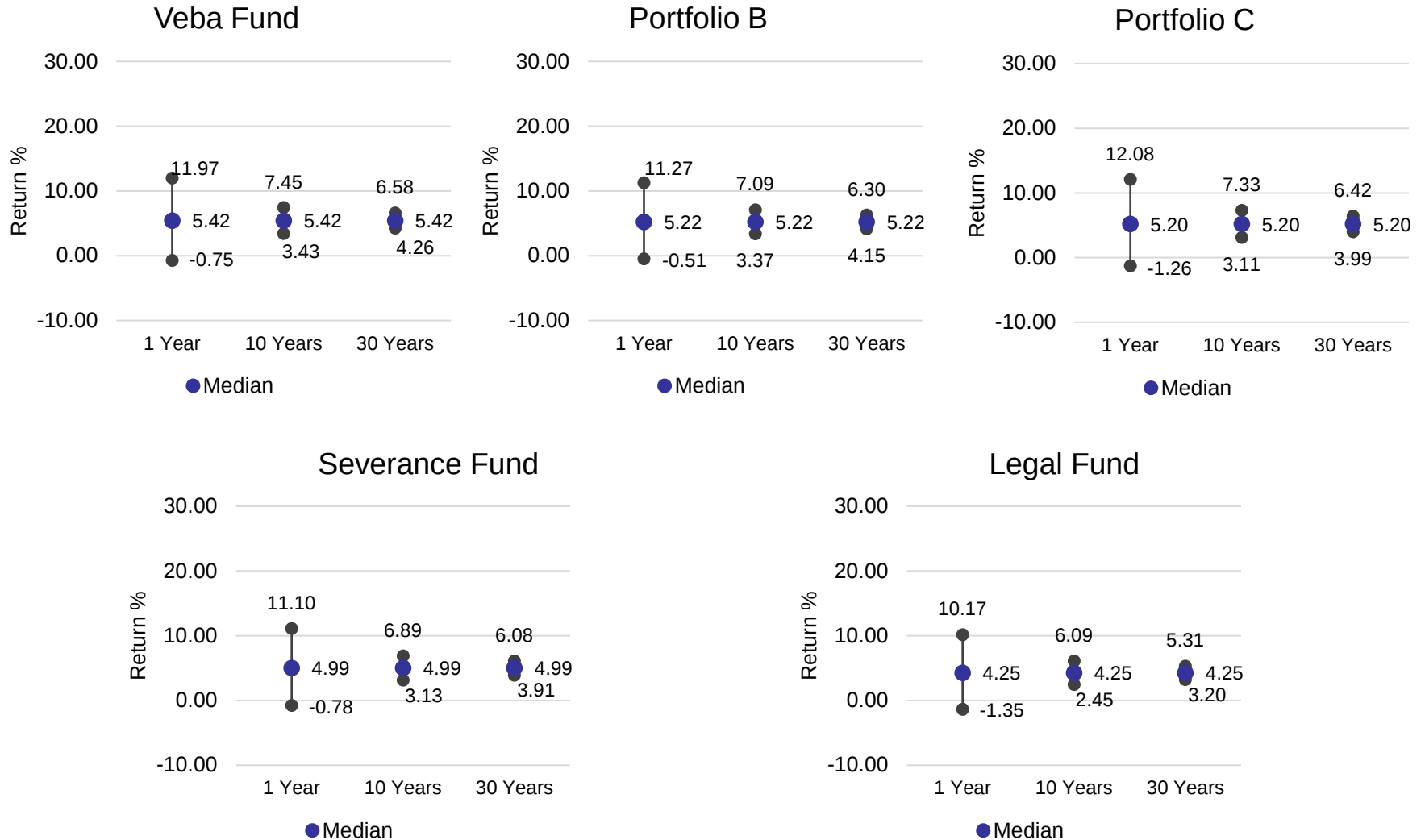
Efficient Frontier Comparison



Potential Distribution of Returns – 10 Year Horizon

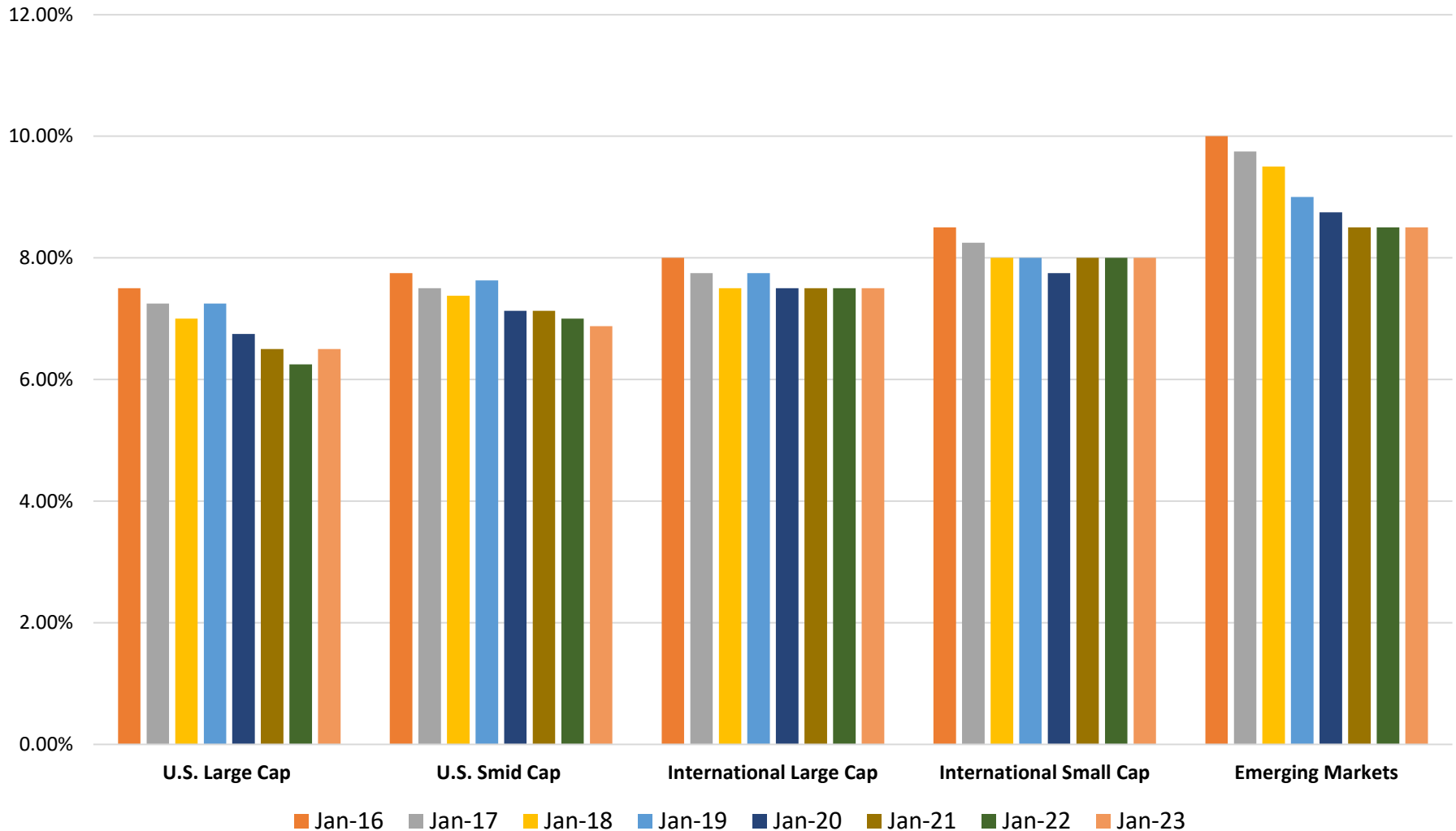


Potential Distribution of Returns

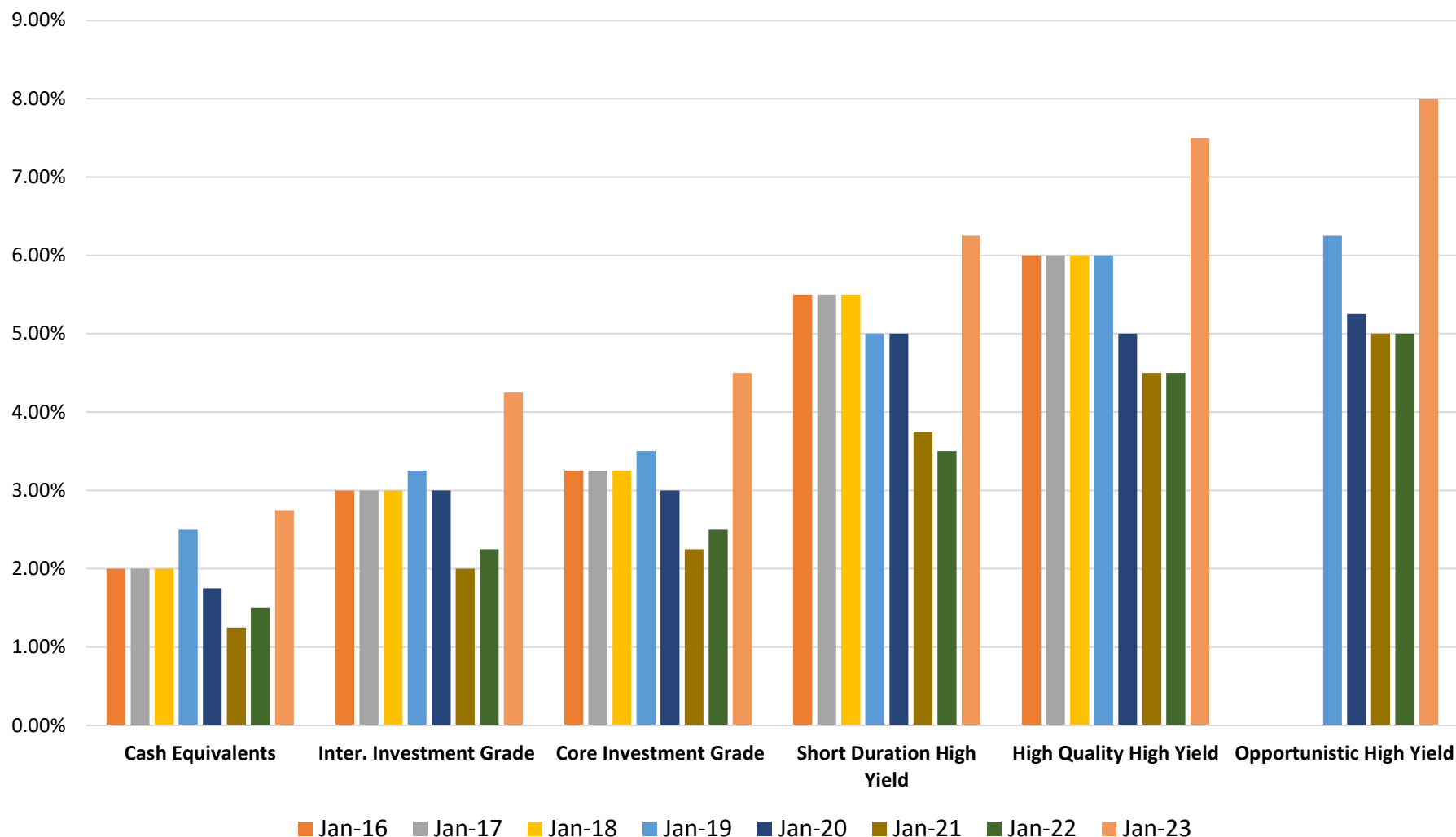


APPENDIX

Public Equity – IPS Historical Capital Market Assumptions

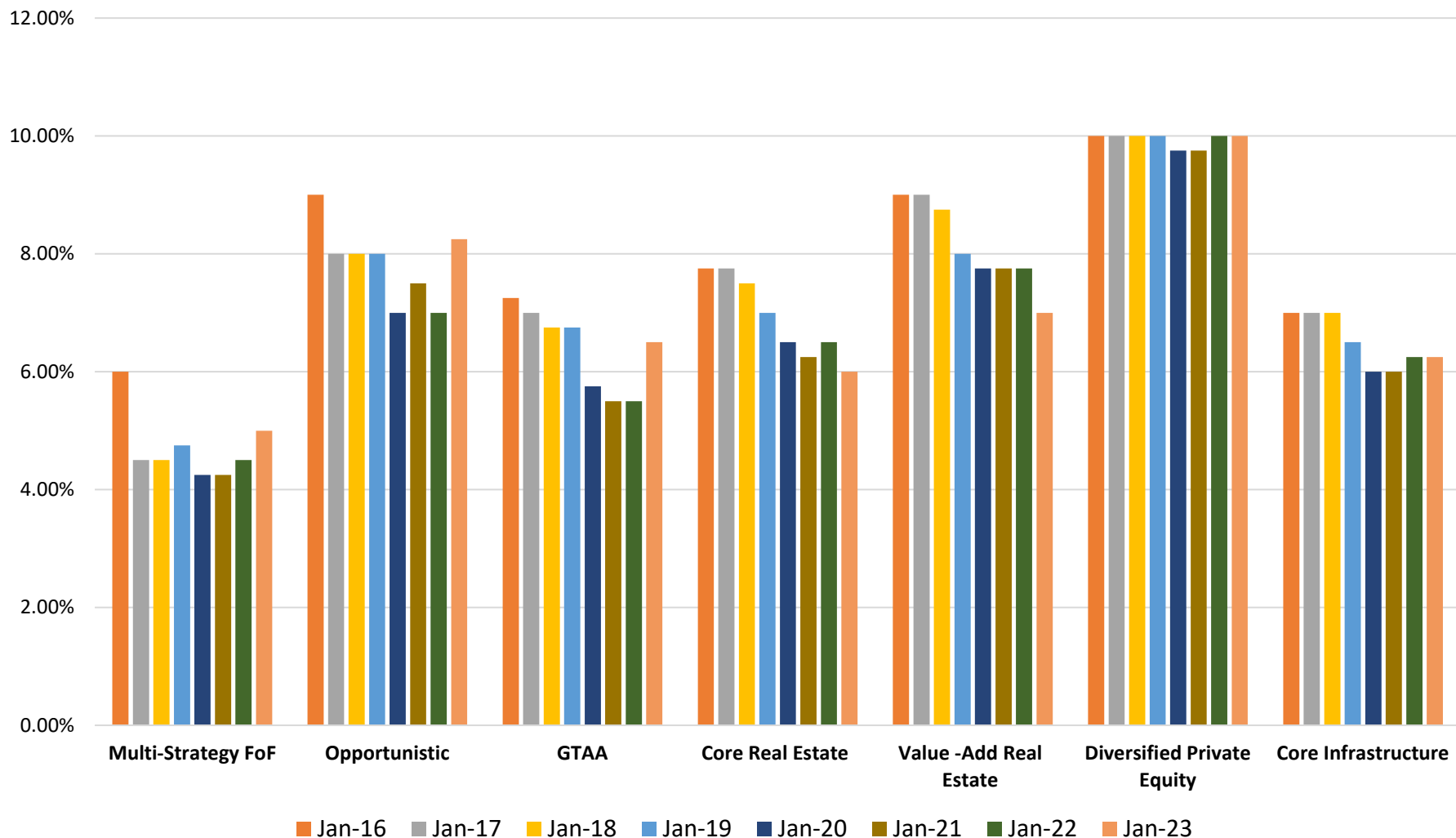


Fixed Income – IPS Historical Capital Market Assumptions



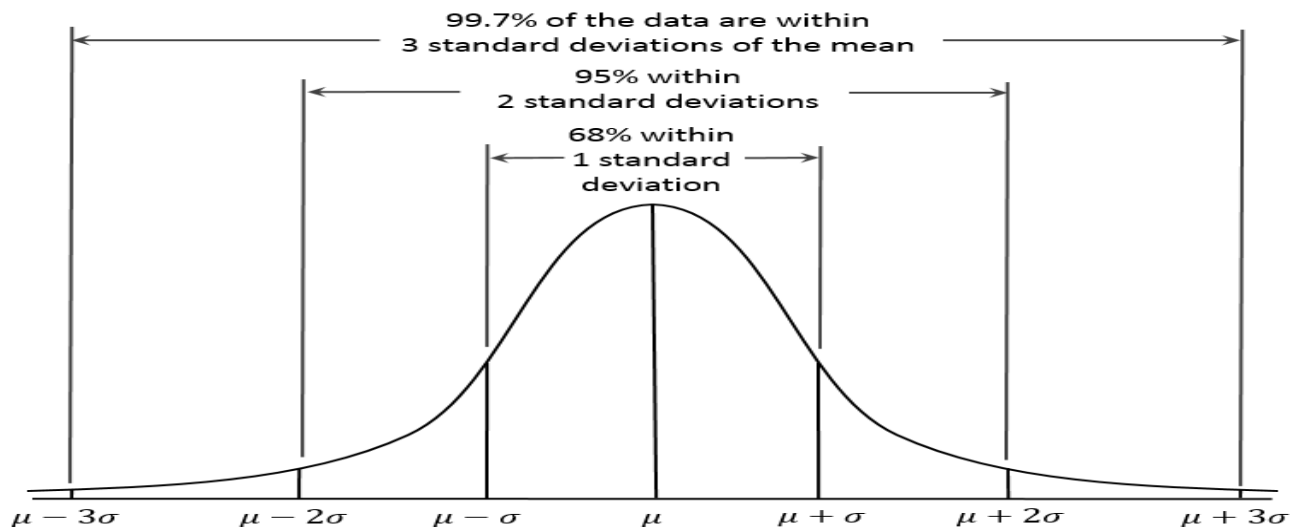
IPS began setting a capital market assumption for Opportunistic High Yield in January 2019.

Alternative Investments – IPS Historical Capital Market Assumptions



Explanation of Methodology

- The analysis in this presentation utilizes the parametric method, also known as the variance-covariance method
- The parametric method assumes a normal distribution of returns, commonly referred to as a bell-shaped curve.
 - For a normal distribution, 68% of the observations are within +/- one standard deviation, 95% are within +/- two standard deviations, and 99.7% are within +/- three standard deviations
- The chart below shows a normal distribution



- In reality, financial returns are not “normal;” they exhibit positive skewness (you get more positive returns above the mean than a normal distribution would predict) and kurtosis (the extreme “tails” of both positive and negative returns occur more often and are more extreme than a normal distribution would predict).

Glossary of Investment Terminology

Total Return	The annual return on an investment including appreciation, depreciation and income (interest, dividends, net operating income).
Alpha	The excess return (positive or negative) generated by active portfolio management and security selection, relative to a benchmark.
Beta	A historical measure of an investment's volatility relative to the market. The beta of the market is 1.0 (as represented by a benchmark such as the S&P 500 Index). A beta of greater than 1.0 indicates an investment with greater volatility than the benchmark. A beta of less than 1.0 indicates less volatility than the benchmark.
Standard Deviation	Standard deviation is a statistical measurement of the dispersion of a set of data from its mean. The more spread apart the data are, the greater the standard deviation.
Risk	For an investment portfolio, risk is typically defined as the volatility of the returns, as measured by calculating the standard deviation. The risk does not necessarily indicate the risk of loss, but does indicate the risk of inconsistent returns.
Capture Ratio	Calculates how well a manager performs in a rising or falling market as a percentage of a benchmark. In a rising market, a percentage of 100 or better is preferred, and indicates the manager exceeded the benchmark (upside capture ratio). In a falling market, a percentage of less than 100 is preferred, indicating that the manager lost less than the benchmark (downside capture ratio).
Correlation	A statistical measure of how two asset classes perform in relation to each other. Asset classes with a correlation of 1.0 have perfect positive correlation (exactly the same). Assets with perfect negative correlation of -1.0 will perform equally but in opposite directions.
Efficient Frontier	A series of portfolios with the maximum expected return for any level of risk, which is calculated based on assumptions of risk, return and correlation. These portfolios are shown graphically on a risk and return chart, and represent the most efficient tradeoff between risk and return.
Market Cap	The dollar value of a corporation, which is calculated by multiplying the share price and the number of outstanding shares.
Large Cap	Stocks which typically have a market capitalization of \$20 billion or higher.
Mid Cap	Stocks which typically have a market capitalization of \$5 to \$20 billion.
Small Cap	Stocks which typically have a market capitalization of \$5 billion or less.
Geometric Calculation	Geometric Calculations are used when determining an annualized investment return and tends to dampen the effect of very high or very low values. The result is a number that is smaller than (or equal to) the arithmetic average of the values.
Compound Annual Returns	Compound annual returns show the annual investment return, assuming the investment grew at a constant rate, and reflects the impact of the time in the calculation of an investment return.
Return/Risk Ratio	The return/risk ratio is the expected return of an investment divided by the expected standard deviation (risk). When comparing return/risk ratios a higher value is presumed to be better than a lower value

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EPIC

April 27- 29, 2022

The following investment managers and providers attended and helped to defray the cost of IPS' annual conference EPIC. EPIC is an educational conference addressing various issues related to employee benefit plans. IPS does not give preferential treatment to investment managers or any other provider that pays to attend EPIC.

Adams Street Partners
Amalgamated Bank of Chicago
American Realty Advisors
Columbia Threadneedle Investments
Ares Management
ASB Real Estate Investments
Atlanta Capital Management
Barrow Hanley Global Investors
BentallGreenOak
BlackRock Financial Management
BNY Mellon Asset Management (Mellon)
Boston Partners Global Investors
Boyd Watterson Asset Management
Capital Group
CarillonTower Advisers
Chartwell Investment Partners
Christenson Investment Partners
Corbin Capital Partners
EnTrust Global
First Eagle Investment Mgmt.
Fisher Investments
Foundry Partners
Fred Alger Management
GAMCO Asset Management

GCM Grosvenor
Glouston Capital Partners
GoldenTree Asset Management
Great Lakes Advisors
Hamilton Lane Advisors
Hardman Johnston Global Advisors
Intercontinental Real Estate Corp.
Invesco Advisers, Inc.
Janus Henderson Investors
JP Morgan Asset Management
Kearney Capital LLC
Kelson Group
Lazard Asset Management
Loomis, Sayles & Company
Lord Abbett & Co.
LSV Asset Management
MacKay Shields
McMorgan & Company
Mesirow Private Equity
National Investment Services
Neuberger Berman
Old Glory Asset Management
Owl Rock Capital Holdings

Partners Group
Patriot Financial Partners
PNC Capital Advisors
Polen Capital
Post Advisory Group
Principal Global Investors
RBC Global Asset Management
Richmond Capital Mgmt
Schroders Investment Management
Segall Bryant & Hamill
Sierra Investment Partners
Smith Graham & Co.
State Street Global Advisors
Stonepeak Partners
Stuart Portfolio Consultants
Ullico Investment Company
Victory Capital Management
Washington Capital Management
WEDGE Capital Management
Wellington Management Company
Westfield Capital Management
William Blair & Company
Xponance

