STATE OF INDIANA AUDITOR OF STATE 200 W. Washington St; Room 240 Indianapolis, Indiana 46204



# **MEMORANDUM**

To: State Board of Finance

From: Auditor Tera K. Klutz, Administrator, Indiana Deferred Compensation Plans

Date: March 15, 2022

RE: Indiana Deferred Compensation Plan Report pursuant to IC 5-10-1.1-4(h)

Indiana code 5-10-1.1-4(h) requires the Deferred Compensation Committee to report to the State Board of Finance at least annually on the status of, and any changes to, the State 457(b) and 401(a) Plans, commonly known as Hoosier START. To satisfy this statutory requirement, please find the enclosed report for your review.

# State of Indiana Public Employees' Deferred Compensation Plans 457(b)/401(a) Performance & Evaluation Annual Report for the Year Ending 2021

The Committee reports the following changes to the Plans in 2021:

- 1. The Indiana Stable Value Fund's portfolio construction was adjusted to 65% MetLife Core, 30% Fidelity MIP II and 5% Dreyfus Government Cash Management, allowing for higher crediting rate potential.
- 2. A share class exchange was completed for the Fidelity Diversified International Fund, transitioning from the Retail share class to the K6 share class, to reduce the Fund's net expense for participants.
- 3. The white-label structure for the State of Indiana Inflation-Linked Bond Fund was removed in order to slightly reduce the Fund's expense. The investment option is now titled "State Street U.S. Inflation Protected Bond Index Fund."

Additionally, the IDCC selected a new recordkeeper following a Request for Proposal (RFP) process. The Plan will transition from Empower Retirement to Nationwide on April 11, 2022.

# Capital Cities

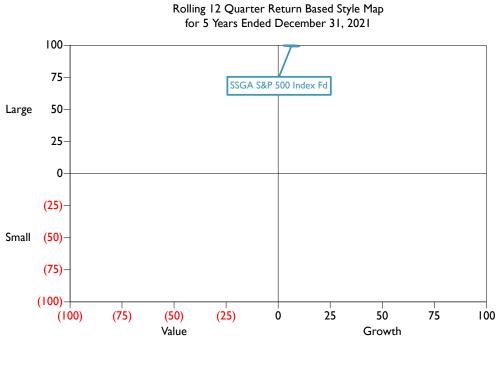
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State of Indiana Public Employees Deferred Compensation 457/401(a) Plans Performance & Evaluation Annual Report For Year Ending December 31, 2021

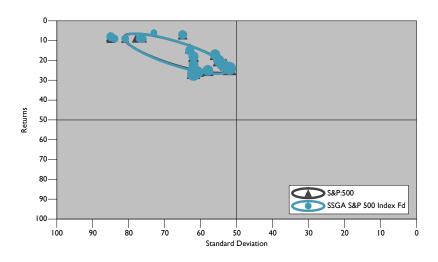
# STATE STREET S&P 500 INDEX STYLE: LARGE CAP CORE YEAR ENDED DECEMBER 31, 2021

Organization	State Street
Product Name	S&P 500 Index
Fund Inception	March I, 1996
Ownership Structure	State Street Global Advisors Trust Company
	is a wholly owned subsidiary of State Street
	Bank and Trust which is a wholly owned
	subsidiary of State Street Corporation, a
	publicly listed company (NYSE: STT).
Firm Information	State Street Global Advisors is the world's
	third largest asset manager with over \$4.1
	trillion in assets under management.
Investment Strategy	Fund seeks to mirror holdings and portfolio
	characteristics of the S&P 500 Index.
Index	S&P 500
Assets In Product	\$827.2 billion
Fees	I bp
Vehicle Type	Collective Investment Trust

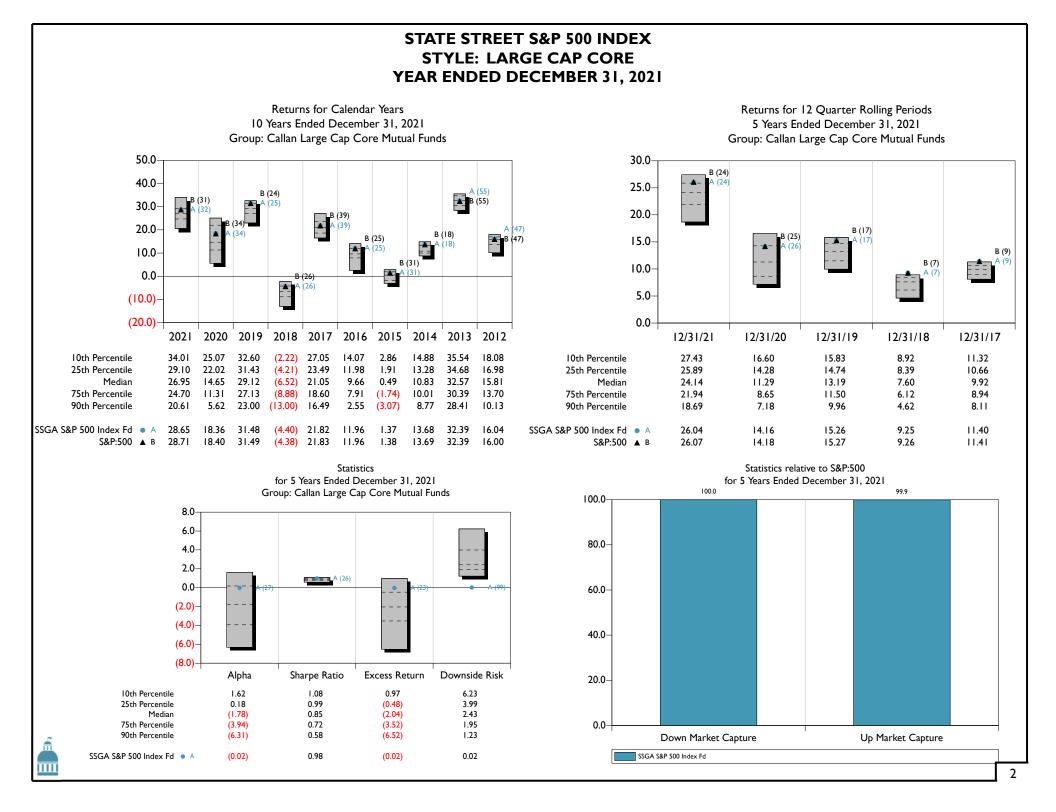
	December 31, 2021 Market Value	% of Plan Assets
State Street S&P 500 Index	\$136,818,164	7.1%



# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021



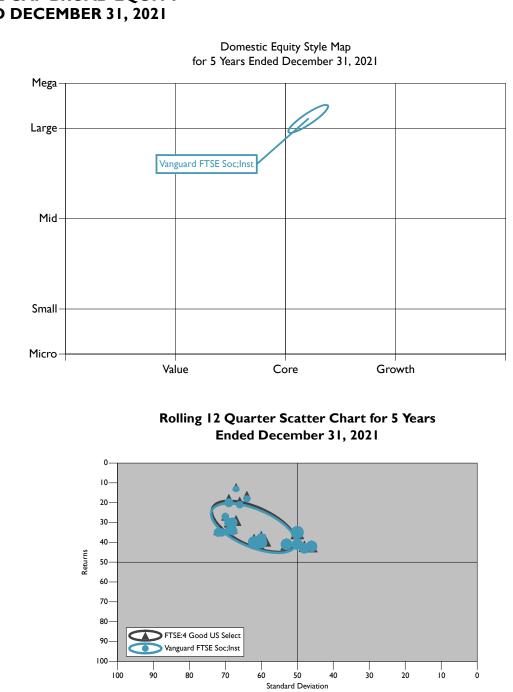


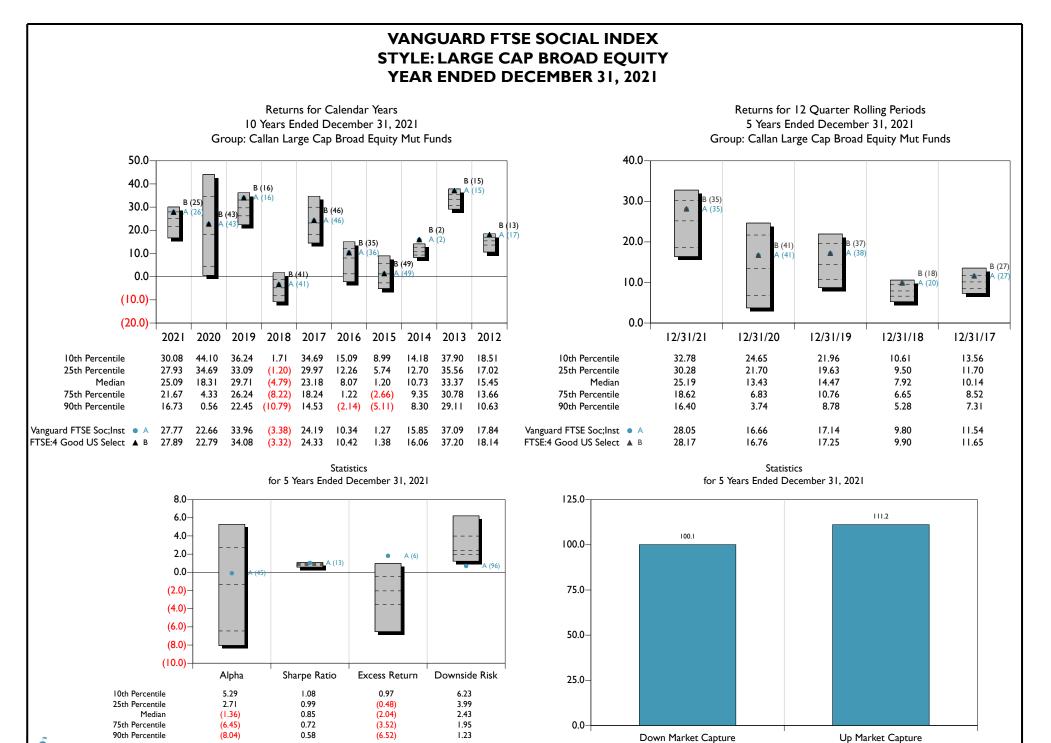


# VANGUARD FTSE SOCIAL INDEX STYLE: LARGE CAP BROAD EQUITY YEAR ENDED DECEMBER 31, 2021

Organization	Vanguard Funds
Product Name	FTSE Social Index
Fund Inception	May 31, 2000
Ownership Structure	Client-owned Mutual Fund Company
Firm Information	Located in Valley Forge, Pennsylvania;
	Founded in 1975 with over \$8 trillion in
	assets under management.
Investment Strategy	Fund seeks to mirror holdings and
	portfolio characteristics of the
	FTSE4Good US Select Index.
Index	FTSE 4 Good U.S. Select
Assets In Product	\$16.8 billion
Fees	I2 bps
Vehicle Type	Mutual Fund (VFTNX)

	December 31, 2021 Market Value	% of Plan Assets
Vanguard FTSE Social Index	\$98,506,521	5.1%





Vanguard FTSE Soc;Inst • A

(0.09)

1.04

1.82

0.69

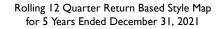
Vanguard FTSE Soc;Inst

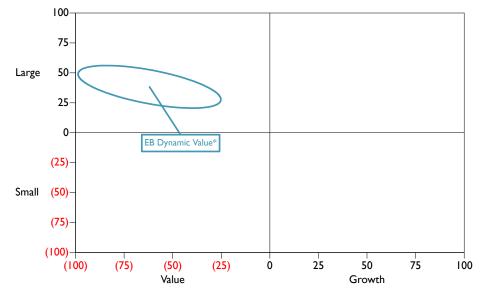
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# BNY MELLON DYNAMIC LARGE CAP VALUE STYLE: LARGE CAP VALUE YEAR ENDED DECEMBER 31, 2021

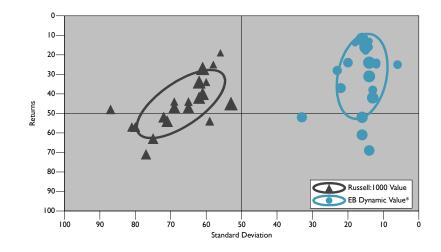
Organization	Mellon Investments Corporation
Product Name	Dynamic Large Cap Value
Product Inception Date	Strategy:1/1/1994; Vehicle: 2013
Ownership Structure	The Boston Company Asset Management is a subsidiary of
	Bank of New York Mellon Corporation. (NYSE: BK)
Firm Information	The Boston Company Asset Management was founded in
	1970 and was combined with Mellon Capital and Standish
	Mellon to form Mellon Investments. Mellon Investments has
	\$2.3 trillion in assets under management.
Investment Philosophy	The Dynamic Large Cap Value Team believes that a
	disciplined value-oriented, research-driven, and risk-
	controlled portfolio will yield strong results over a full marke
	cycle. The team measures each security's relative valuation to
	the market, sector, and historical valuations. Further, the
	team believes that there is no "one-size fits all" approach to
	fundamental analysis and rely on their deep sector knowledg
	and understanding to identify strong businesses.
# of holdings	65-100
% in Top Ten	25%
Turnover	98%
Index	Russell 1000 Value
Benchmark Awareness	Benchmark aware with a +/-10% sector weighting to the
	Russell 1000 Value Index. Maximum investment in one stoc
	is generally limited to 5%.
Weighted Avg market cap	\$160 billon
Price/Earnings	16.7
Key Professionals	Brian Ferguson (Senior PM); John Bailer, CFA (Senior
	Research Analyst); David Intoppa (Senior Research Analyst)
Assets In Product	\$5.9 billion
Fees	40 bps
Vehicle Type	Collective Investment Trust

	December 31, 2021 Market Value	% of Plan Assets
EB Dynamic Value	\$119,931,135	6.3%

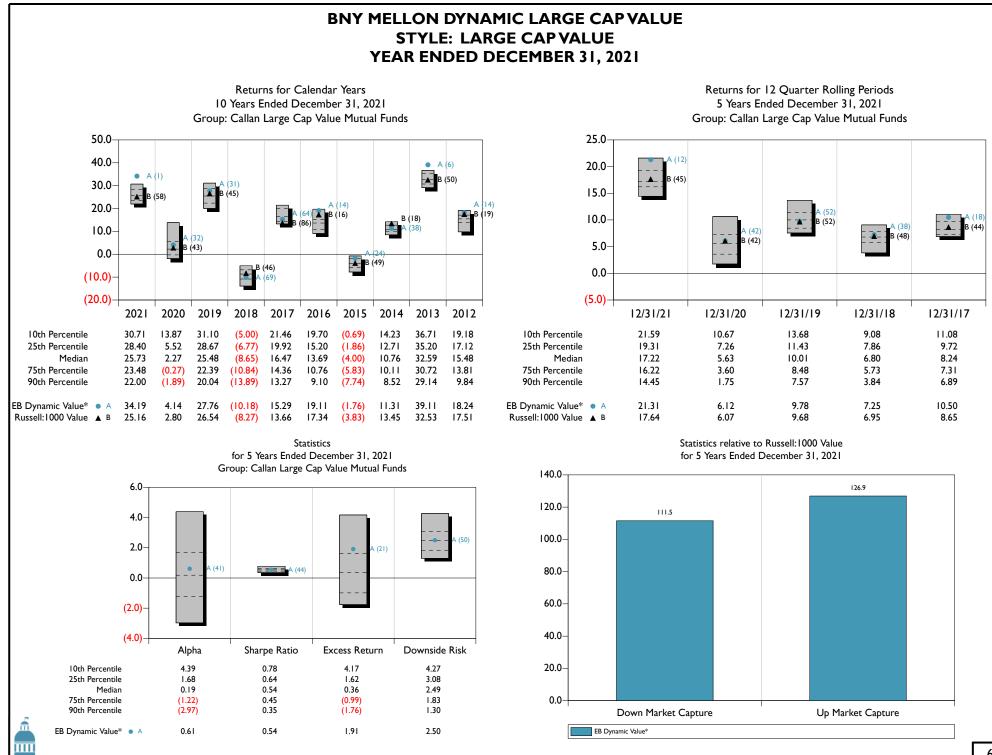




# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021



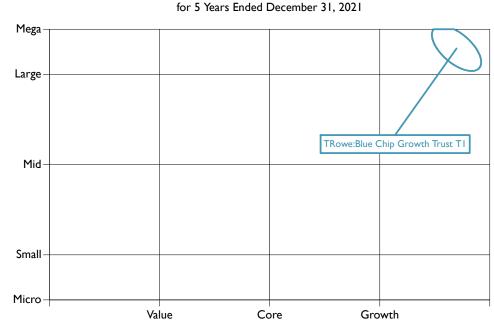
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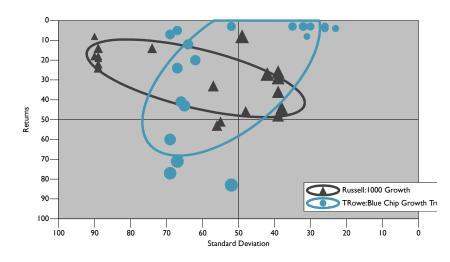
# T ROWE PRICE BLUE CHIP GROWTH STYLE: LARGE CAP GROWTH YEAR ENDED DECEMBER 31, 2021

Organization	T. Rowe Price
Product Name	T. Rowe Price Blue Chip
Product Inception Date	Strategy: 6/30/1993
Ownership Structure	T. Rowe Price Associates, Inc. is a wholly-owned Subsidiary of T. Rowe Price Group, Inc. (NYSE: TROW)
Firm Information	T. Rowe Price was founded in 1937 and is headquartered in Baltimore,
	Maryland. The company has been managing institutional portfolios since 1951 and currently has greater than \$1.6 trillion in assets under management.
Investment Philosophy	The team seeks long-term growth of capital by investing primarily in common stocks of well-established large and medium-sized companies. The Fund focuses on "blue chip" companies with the following characteristics: leading market positions, seasoned management teams, strong financial conditions and above-average growth and profitability.
# of holdings	100-140
% in Top Ten	58%
Turnover	44%
Index	S&P 500/Russell 1000 Growth
Benchmark Awareness	Typical position size range from 0.25% to 5%. Individual positions are typically +/- 4% Russell 1000 Growth. Sector weights typically 0.5x to 3x Russell 1000 Growth.
Weighted Avg market cap	\$1.06 trillion
Price/Earnings	41.7
Key Professionals	Paul Greene
Assets In Product	\$19.0 billion
Fees	45 bps
Vehicle Type	Collective Investment Trust

	December 31, 2021 Market Value	% of Plan Assets
T. Rowe Price Blue Chip Growth	\$127,978,200	6.7%

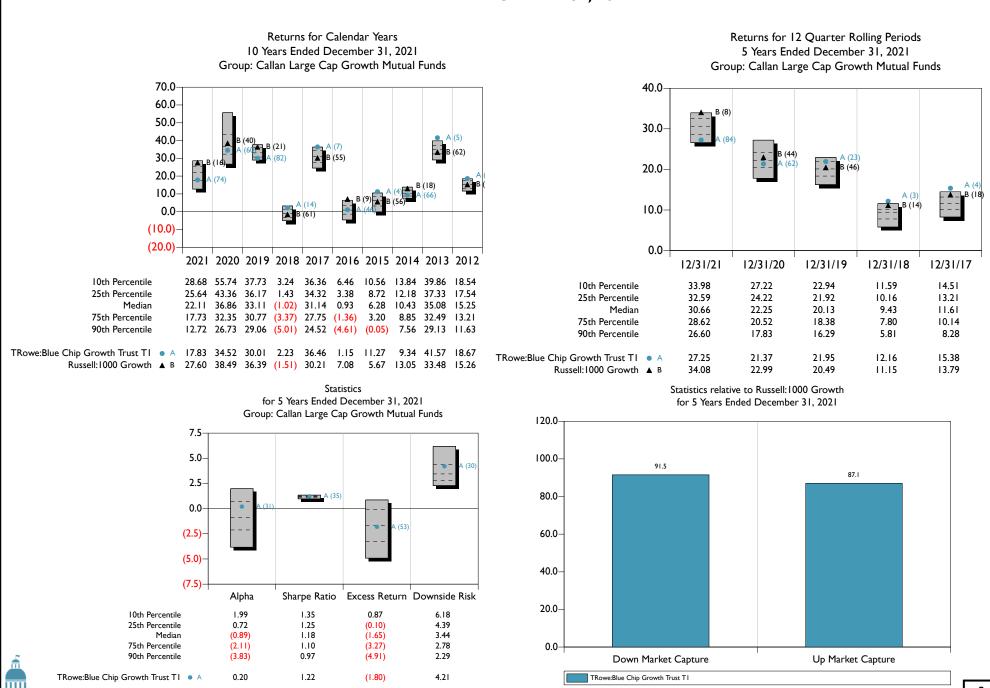


# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021



Domestic Equity Style Map

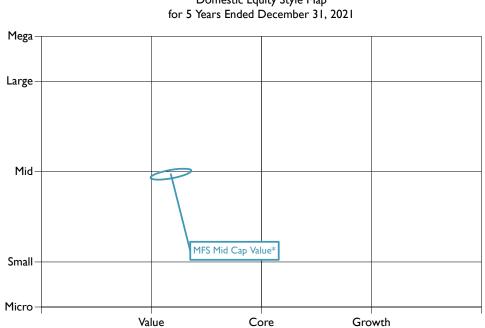
# T ROWE PRICE BLUE CHIP GROWTH STYLE: LARGE CAP GROWTH YEAR ENDED DECEMBER 31, 2021



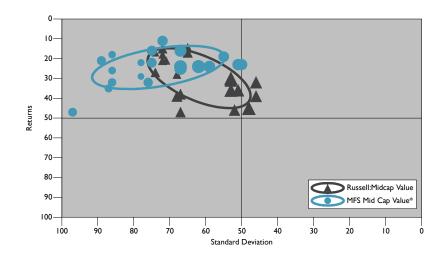
# MFS MID CAP VALUE **STYLE: MID CAP VALUE** YEAR ENDED DECEMBER 31, 2021

Organization	MFS
Product Name	MFS Mid Cap Value
Product Inception Date	8/31/2001 (Current Team & Process: November 2008)
Ownership Structure	MFS is a majority-owned subsidiary of Sun Life of Canada (U.S.)
	Financial Services Holdings, Inc. which is an indirect majority-
	owned subsidiary of Sun Life Financial, Inc. (NYSE: SLF).
Firm Information	MFS was founded in 1924 and is headquartered in Boston, MA.
	\$382.2 billion in assets under management.
Investment Philosophy	MFS seeks mid-cap companies with attractive valuations and
	high quality fundamentals or significant potential for
	improvement.
# of holdings	151
% in Top Ten	12%
Turnover	19%
Index	Russell Mid Cap Value
Benchmark Awareness	Sector allocation is generally limited to the greater of 5% to
	1.5x the Index. Each industry is capped at 25%. The Fund
	strives to be fully invested with minimal allocation to cash. The
	Fund has the ability to invest up to 10% in foreign stocks.
Weighted Avg market cap	\$16.3billion
Price/Earnings	14.6
Key Professionals	Brooks Taylor, Kevin Schmitz and Richard Offen
Assets In Product	\$16.2 billion
Fees	107 bps (50 bps revenue sharing). Net expense: 57 bps
Vehicle Type	Mutual Fund (MVCHX)

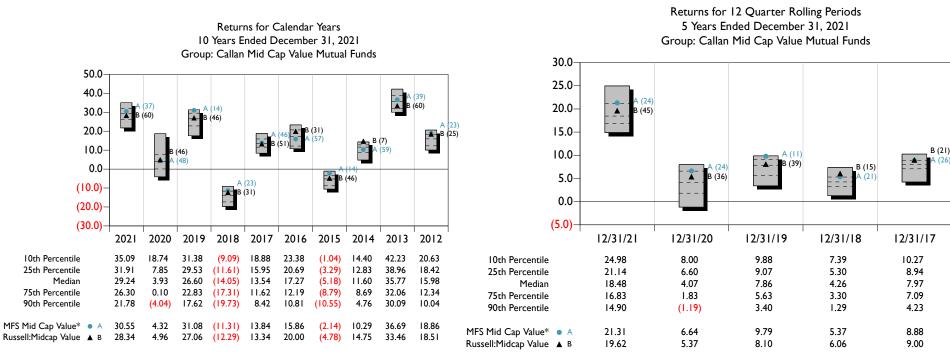
	December 31, 2021	% of Plan Assets
	Market Value	
MFS Mid Cap Value	\$47,776,025	2.5%

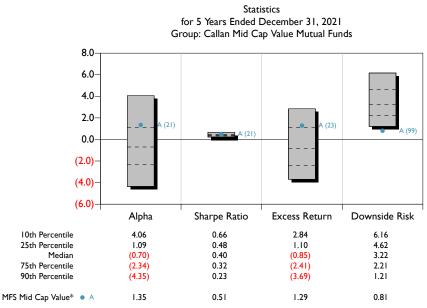


# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021

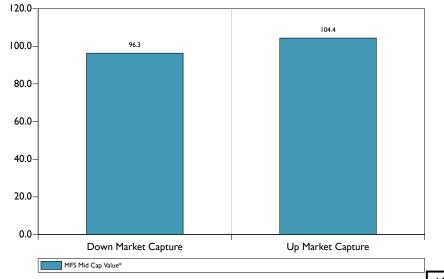


# MFS MID CAP VALUE STYLE: MID CAP VALUE YEAR ENDED DECEMBER 31, 2021





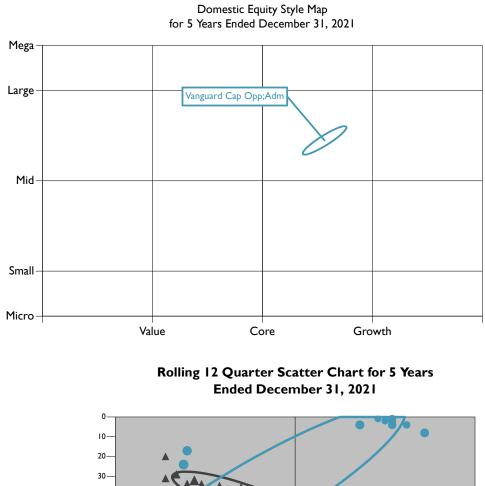
# Statistics relative to Russell:Midcap Value for 5 Years Ended December 31, 2021

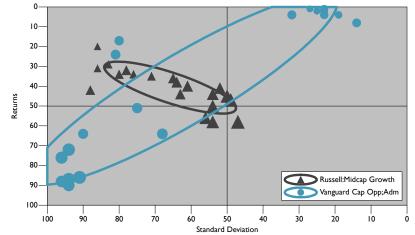


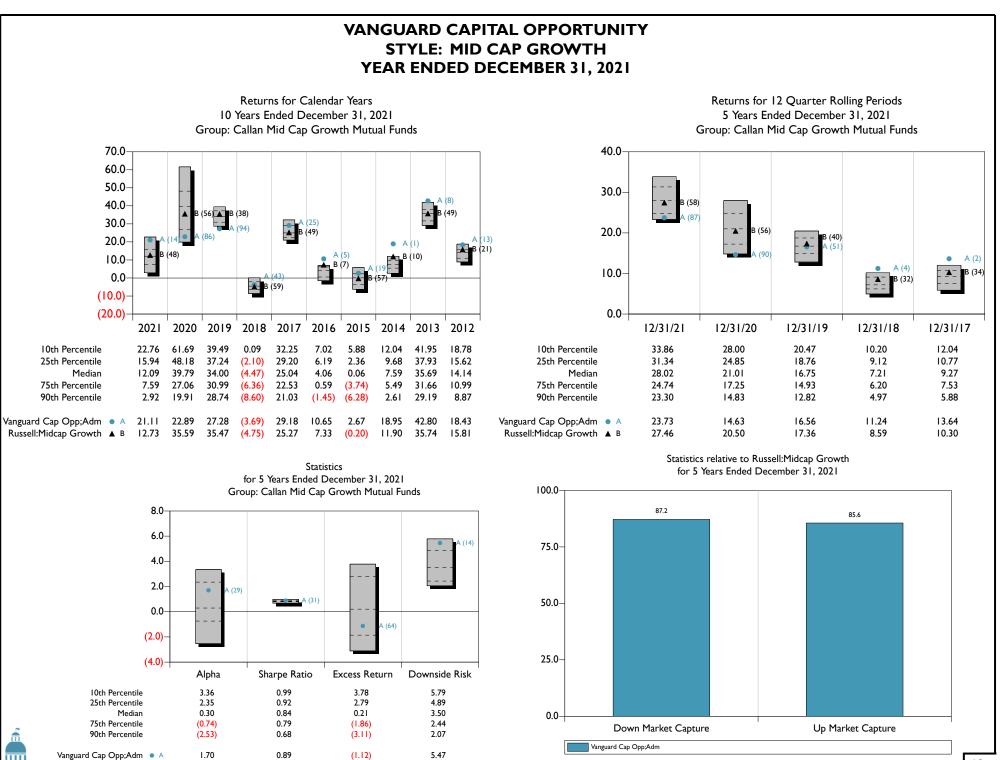
# VANGUARD CAPITAL OPPORTUNITY STYLE: MID CAP GROWTH YEAR ENDED DECEMBER 31, 2021

Organization	Vanguard
Product Name	Capital Opportunity
Product Inception Date	August 14, 1995
Ownership Structure	Client-owned Mutual Fund Company
Firm Information	Located in Valley Forge, Pennsylvania; Founded in 1975 with over \$8 trillion in assets under management.
Investment Philosophy	Portfolio managers follow a contrarian-growth approach, looking for swiftly growing firms trading at lower valuations. Fundamental analysis and a long-term investment horizon are key components of the advisor's investment strategy.
# of holdings	186
% in Top Ten	28%
Turnover	7%
Index	Russell Mid Cap Growth
Benchmark Awareness	There are no portfolio requirements with respect to variance from the benchmark at the industry or sector level.
Weighted Avg market cap	\$65.3 billion
Price/Earnings	23.6
Key Professionals	PRIMECAP Management Company: Kolokotrones, Fried, Mordecai, Ansari and Marchetti
Assets In Product	\$21.2 billion
	37 bps
Fees	

December 31, 2021 Market Value	% of Pla Assets
\$198,902,042	10.4%
	Market Value



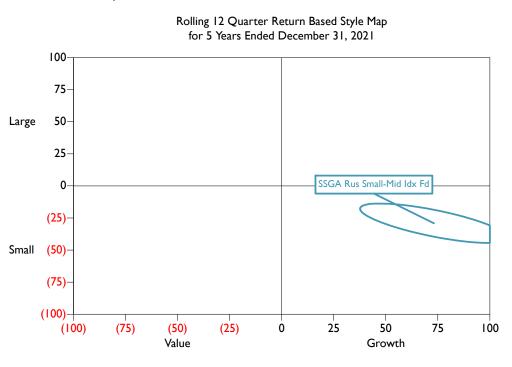




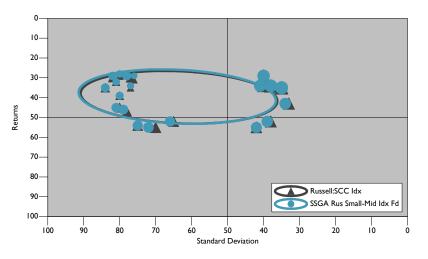
# STATE STREET RUSSELL SMALL MID CAP INDEX STYLE: SMALL-MID CAP BROAD YEAR ENDED DECEMBER 31, 2021

Organization	State Street
Product Name	Russell Small-Mid Cap Index
Fund Inception	September 1, 1997
Ownership Structure	State Street Global Advisors Trust Company
	is a wholly owned subsidiary of State Street
	Bank and Trust which is a wholly owned
	subsidiary of State Street Corporation, a
	publicly listed company (NYSE: STT).
Firm Information	State Street Global Advisors is the world's
	third largest asset manager with over \$4.1
	trillion in assets under management.
Investment Strategy	The Russell Small Cap Completeness Index
	a market capitalization weighted index
	comprised of the Russell 3000 stocks not
	included in the S&P 500 Index.
Index	Russell Small Cap Completeness
Assets In Product	\$51.4 billion
Fees	2 bps
Vehicle Type	Collective Investment Trust

	December 31, 2021 Market Value	% of Plan Assets
State Street Russell Small/ Mid Cap Index	\$84,080,272	4.4%

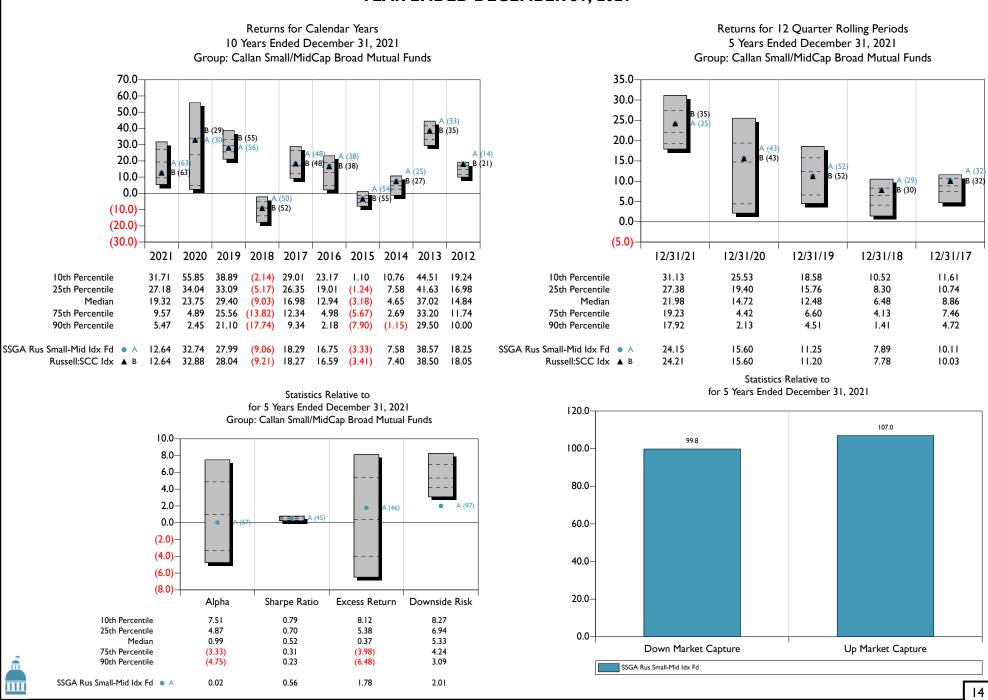








# STATE STREET RUSSELL SMALL MID CAP INDEX STYLE: SMALL-MID CAP BROAD YEAR ENDED DECEMBER 31, 2021

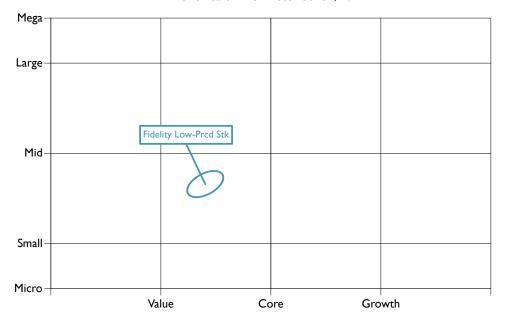


# FIDELITY LOW-PRICED STOCK STYLE: SPECIALITY YEAR ENDED DECEMBER 31, 2021

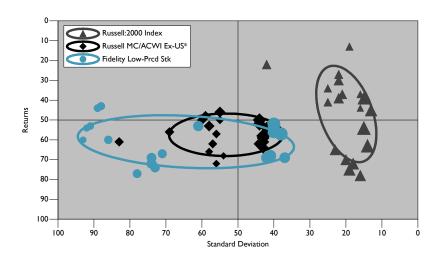
anization	Fidelity
uct Name	Low-Priced Stock
uct Inception Date	December 27, 1989
ership Structure	Fidelity Management & Research Company (FMR Co.), the
i	investment advisor to Fidelity's family of mutual funds.
Information I	Located in Boston, MA; Founded in 1946 with over \$4.2
t	trillion in assets under management.
tment Philosophy	The Fund strategy is to invest in low priced stocks of less
t	than \$35 per share or have an earnings yield at or above the
r	median for the Russell 2000 Index. These companies are
٤	generally small and mid-sized companies.
holdings	857
Top Ten	28%
lard Deviation	19%
(	Russell 2000
hmark Awareness	Not benchmark aware.
hted Avg market cap	\$9.2 billion
/Earnings	9.4
Professionals	Joel Tillinghast, John Mirshekari, Shadman Riaz, Morgen Peck,
	Salim Hart and Sam Chamovitz
s In Product	\$31.5 billion
	65 bps (25 bps revenue sharing). Net expense: 40 bps
le Type	Mutual Fund (FLPSX)
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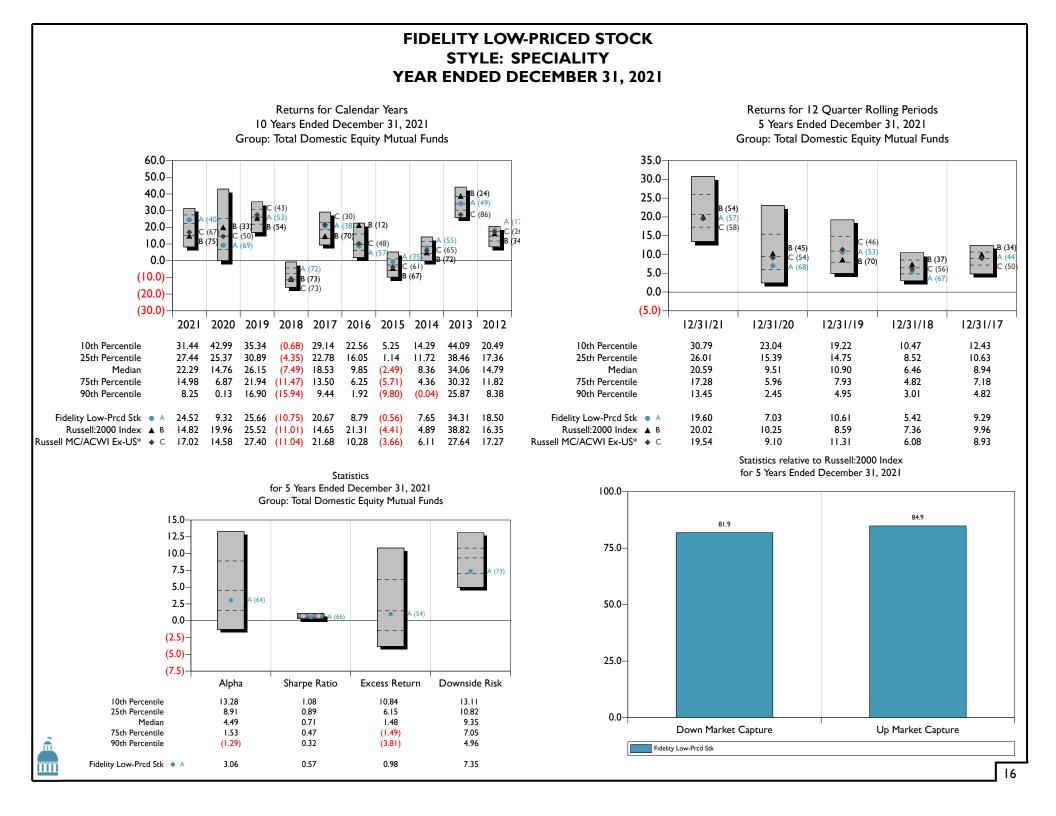
Market Value	Assets
\$24,531,228	1.3%

Domestic Equity Style Map for 5 Years Ended December 31, 2021



# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021

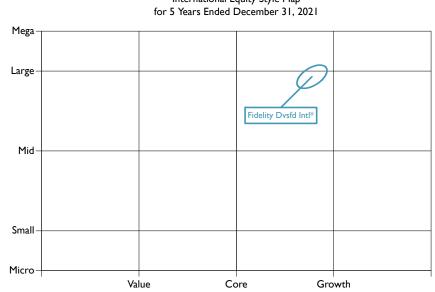


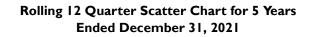


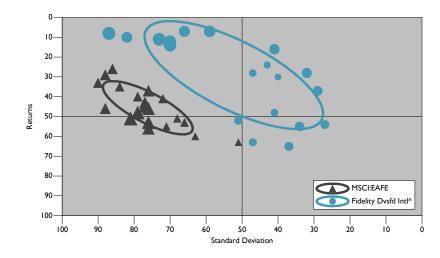
# FIDELITY DIVERSIFIED INTERNATIONAL **STYLE: INTERNATIONAL** YEAR ENDED DECEMBER 31, 2021

Organization	Fidelity		
Product Name	Diversified International		
Product Inception Date	December 27, 1991		
Ownership Structure	Fidelity Management & Research Company (FMR Co.), the		
	investment advisor to Fidelity's family of mutual funds.		
Firm Information	Located in Boston, MA; Founded in 1946 with over \$4.2 trillion ir		
	assets under management.		
Investment Philosophy	Invests primarily in large cap non-U.S. stocks, but will occasionally		
	invest in mid and small cap issues. The manager uses a growth-at		
	a-reasonable price strategy to identify securities for the portfolio.		
# of holdings	171		
% in Top Ten	20%		
Standard Deviation	16%		
Index	MSCI EAFE Index		
Benchmark Awareness	Generally, the portfolio's sector allocation track the MSCI EAFE		
	index, with a modest allocation to emerging markets securities.		
Weighted Avg market cap	\$121.0 billion		
Price/Earnings	19.8		
Key Professionals	William Bower		
Assets In Product	\$4.1 billion		
Fees	60 bps		
Vehicle Type	Mutual Fund (FKIDX)		

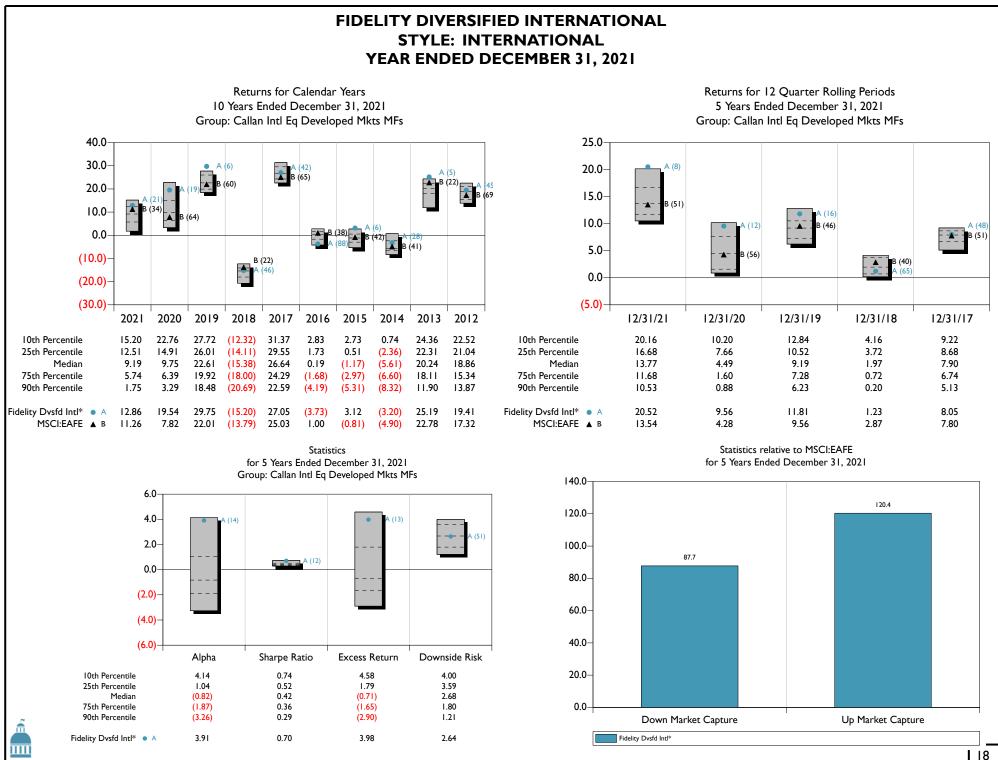
	December 31, 2021	% of Plan	
	Market Value	Assets	
Fidelity Diversified International	\$88,365,362	4.6%	







International Equity Style Map

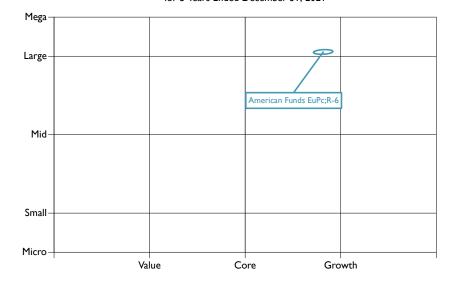


# AMERICAN FUNDS EUROPACIFIC GROWTH STYLE: INTERNATIONAL YEAR ENDED DECEMBER 31, 2021

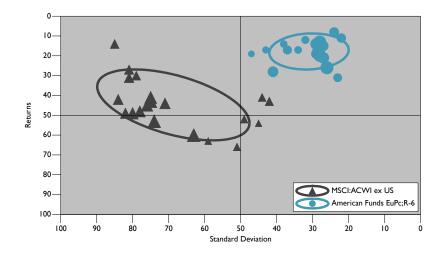
Organization	American Funds				
Product Name	EuroPacific Growth				
Product Inception Date	April 16, 1984				
Ownership Structure	Part of the Capital Group Companies; Employee Owned				
Firm Information	Founded in 1931 with more than \$2.4 trillion in assets under				
	management. Capital Research & Management Co. is investment				
	advisor.				
Investment Philosophy	The American Fund EuroPacific Growth Fund's investment objective				
	is to provide long-term growth of capital. The Fund takes a				
	diversified approach and invests in attractively valued companies in				
	developed and emerging markets that are positioned to benefit from				
	innovation, global economic growth, increasing consumer demand or				
	a turnaround in business conditions.				
# of holdings	375				
% in Top Ten	21%				
Turnover	32%				
Index	MSCI All Country World ex USA Index				
Benchmark Awareness	Country and Sector weights are the residual of bottom-up decisions				
	and the aggregation of the underlying sleeves. The portfolio will				
	make significant use (25%+) of non-benchmark companies.				
Weighted Avg market cap	\$61.5 billion				
Price/Earnings	20.1				
Key Professionals	Grace/ Kawaja/Lee/Knowles/				
	Kymisis/Suzman/Thomsen/Pellini/Chen/Manoir				
Assets In Product	\$192.9 billion				
Fees	46 bps				
Vehicle Type	Mutual Fund (RERGX)				

December 31, 2021	
Market Value	Assets
\$81,773,308	4.3%
	Market Value

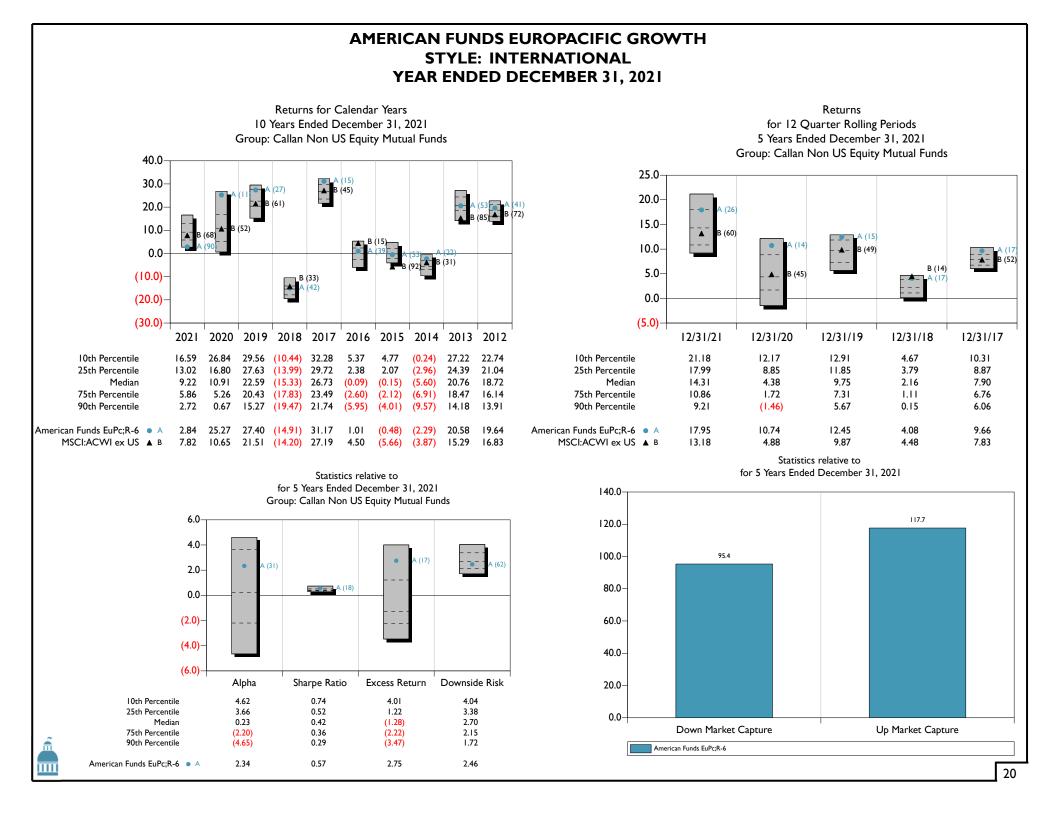
International Equity Style Map for 5 Years Ended December 31, 2021



# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021



19



# STATE STREET TARGET RETIREMENT FUNDS STYLE: TARGET DATE YEAR ENDED DECEMBER 31, 2021

Organization	State Street
Product Name	Target Retirement Funds
Fund Inception	2005
Ownership Structure	State Street Global Advisors Trust Company is a
	wholly owned subsidiary of State Street Bank and
	Trust which is a wholly owned subsidiary of State
	Street Corporation, a publicly listed company (NYSE:
	STT).
Firm Information	State Street Global Advisors is the world's third largest
	asset manager with over \$4.1 trillion in assets under
	management.
Investment Strategy	The Funds take a strategic, index-based approach with
	a diversified underlying fund lineup of passive
	strategies. The Funds roll down on a quarterly basis
	and continue to de-risk through the retirement date
	and fold into a single retirement income fund (SSGA
	Target Retirement Income Fund) five years after the
	targeted retirement year is achieved.
Key Professionals	Glide Design & Construction: Defined Contribution
	Investment Group; Implementation and Management:
	Investment Solutions Group (Dan Farley); Day to Day:
	Mike Narkiewicz and Chuck McGinn, with direct
	oversight provided by Michael Martel
Assets In Product	\$109.7 billion
Fees	6.5 bps
Vehicle Type	Collective Investment Trust

	December 31, 2021	% of Plan
	Market Value	Assets
State Street Target Retirement 2065	\$1,126,641	0.1%
State Street Target Retirement 2060	\$25,509,650	1.3%
State Street Target Retirement 2055	\$18,786,586	1.0%
State Street Target Retirement 2050	\$42,447,926	2.2%
State Street Target Retirement 2045	\$56,280,330	2.9%
State Street Target Retirement 2040	\$25,607,334	1.3%
State Street Target Retirement 2035	\$54,605,407	2.8%
State Street Target Retirement 2030	\$30,194,746	1.6%
State Street Target Retirement 2025	\$59,656,100	3.1%
State Street Target Retirement 2020	\$15,856,484	0.8%
State Street Target Retirement Income	\$33,286,944	1.7%



# STATE STREET TARGET RETIREMENT FUNDS STYLE: TARGET DATE

# YEAR ENDED DECEMBER 31, 2021

# Manager Returns for Periods Ended December 31, 2021

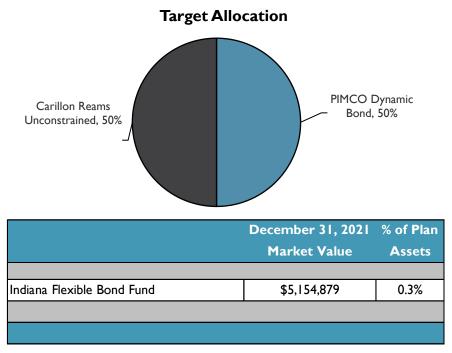
	Last Quarter	Last Year	Last 2 Years	Last 3 Years	Last 5 Years
SSGA Target Retirement 2065	5.17	14.60	17.30		
SSGA Tgt Retire 2065 Idx	4.98	14.56	17.22		
Callan MA Tgt 2055+ MFs	5.92	17.26	16.56	19.61	13.61
SSGA Target Retirement 2060	5.18	14.61	17.23	19.80	3.79
SSGA Tgt Retire 2060 Idx	4.98	14.56	17.22	19.76	13.74
Callan MA Tgt 2055+ MFs	5.92	17.26	16.56	19.61	13.61
SSGA Target Retirement 2055	5.18	14.61	17.23	19.79	3.79
SSGA Tgt Retire 2055 Idx	4.98	14.56	17.22	19.76	13.74
Callan MA Tgt 2055+ MFs	5.92	17.26	16.56	19.61	13.61
SSGA Target Retirement 2050	5.17	14.59	17.24	19.81	13.79
SSGA Tgt Retire 2050 Idx	4.98	14.56	17.22	19.76	13.74
Callan MA Tgt 2050 MFs	5.86	17.01	16.42	19.34	13.50
SSGA Target Retirement 2045	5.08	14.15	16.80	19.43	13.61
SSGA Tgt Retire 2045 Idx	4.90	14.11	16.75	19.36	13.55
Callan MA Tgt 2045 MFs	5.78	16.85	16.19	18.97	13.17
SSGA Target Retirement 2040	4.92	13.37	16.17	18.71	13.17
SSGA Tgt Retire 2040 Idx	4.75	13.34	16.10	18.64	13.11
Callan MA Tgt 2040 MFs	5.36	15.76	15.14	17.90	12.66
SSGA Target Retirement 2035	4.65	12.41	15.41	17.88	12.64
SSGA Tgt Retire 2035 Idx	4.50	12.37	15.33	17.80	12.58
Callan MA Tgt 2035 MFs	4.71	13.77	14.05	16.66	11.88
SSGA Target Retirement 2030	4.39	11.57	14.56	16.93	11.99
SSGA Tgt Retire 2030 Idx	4.25	11.53	14.46	16.84	11.92
Callan MA Tgt 2030 MFs	4.06	11.63	12.73	15.45	11.00
SSGA Target Retirement 2025	3.87	10.97	12.93	15.22	10.86
SSGA Tgt Retire 2025 Idx	3.77	10.95	12.94	15.20	10.84
Callan MA Tgt 2025 MFs	3.50	9.95	11.43	13.78	9.89
SSGA Target Retirement 2020	3.03	9.79	10.45	12.56	9.04
SSGA Tgt Retire 2020 Idx	2.96	9.77	10.41	12.51	8.99
Callan MA Tgt 2020 MFs	2.88	8.57	10.16	12.26	8.83
SSGA Target Retirement Income	2.46	8.05	8.99	10.41	7.24
SSGA Tgt Retire Income Idx	2.41	8.06	8.83	10.28	7.16
Callan MA Tgt Today MFs	2.38	6.52	8.42	10.25	7.03

# STATE OF INDIANA FLEXIBLE BOND FUND STYLE: UNCONSTRAINED YEAR ENDED DECEMBER 31, 2021

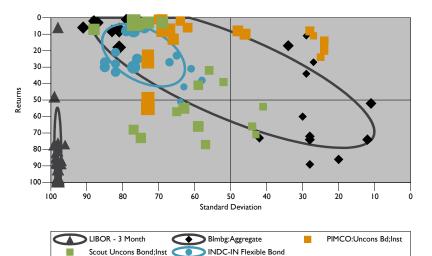
Organization	ΡΙΜϹΟ	Organization	Reams
Product Name	Dynamic Bond	Product Name	Carillon Reams Unconstrained Bond Fund
Inception Date	6/30/2008	Inception Date	8/1/1998
Organization	Located in Newport Beach, California; Founded in 1971; over \$2.2	Organization	Located in Columbus, Indiana; Founded in 1981; over \$20.6 billion in
	trillion in assets under management		assets under management. An autonomous subsidiary of Carillon
			Investments.
Strategy Description	Absolute return-oriented fixe income strategy that embodies PIMCO's	Strategy Description	Reams believes volatility is the key driver of performance in the fixed
	secular thinking, global theme, and integrated investment process		income marketplace, but it is usually higher than expected and often
	without the constraints of a benchmark or significant sector /		mispriced. As such, they focus on total return, employing macro and
	instrument limitations.		bottom-up strategies, seeking relative value opportunities in the market.
			The team is willing to be patient and wait for opportunities to surface.
			The Unconstrained strategy provides Reams the full opportunity set in
			which to invest, and goes back to the team's roots as unconstrained
			investors at Cummins.
Benchmark	3-month LIBOR	Benchmark	None, though the BC Aggregate can be used as a broad comparison
Return Objective	3-month LIBOR +3 - 4%	Return Objective	3-month LIBOR +2%
Risk Objective	4 - 6% standard deviation	Risk Objective	Lower volatility than the broad fixed income market
Guidelines	Flexible asset allocation (up to 40% HY, up to 50% EM, up to 35% in	Guidelines	Duration 0 - 6 yrs; High Yield up to 75%; Non-Dollar up to 10%; Bank
	Non-USD, no limit on non-US securities) and duration positioning (-3		Loans up to 15%; will use derivatives but no leverage. The team
	to 8yrs) seek meaningful returns in most market environments, but		determines whether the current bond market is cheap or expensive by
	allows for defensive positioning and downside protection in		comparing current real rates to historical rates. They then focus on
	challenging markets. Can be short duration/credit.		sectors offering relative value and select securities offering the highest risk
			adjusted returns. The team continually measures and controls exposure
			to security- and portfolio-level risks.
Key Professionals	Marc Seidner, Mohit Mittal, Dan Ivascyn	Key Professionals	Steven Vincent, Mark Egan, Todd Thompson, Clark Holland,
			Jason Hoyer, Dimitri Silva
Assets in Strategy	\$4.2 billion	Assets in Strategy	\$1.2 billion
Vehicle Type	Mutual Fund (PFIUX)	Vehicle Type	Mutual Fund (SUBTX)
Fees	81 bps	Fees	40 bps



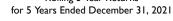
# STATE OF INDIANA FLEXIBLE BOND FUND STYLE: UNCONSTRAINED YEAR ENDED DECEMBER 31, 2021

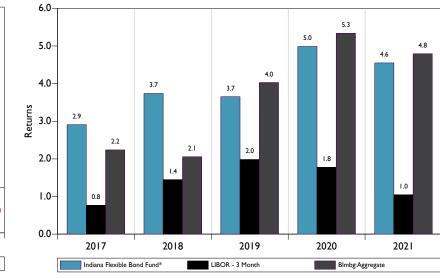


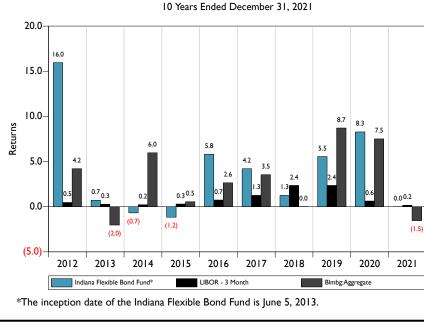
Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021



Rolling 3 Year Returns







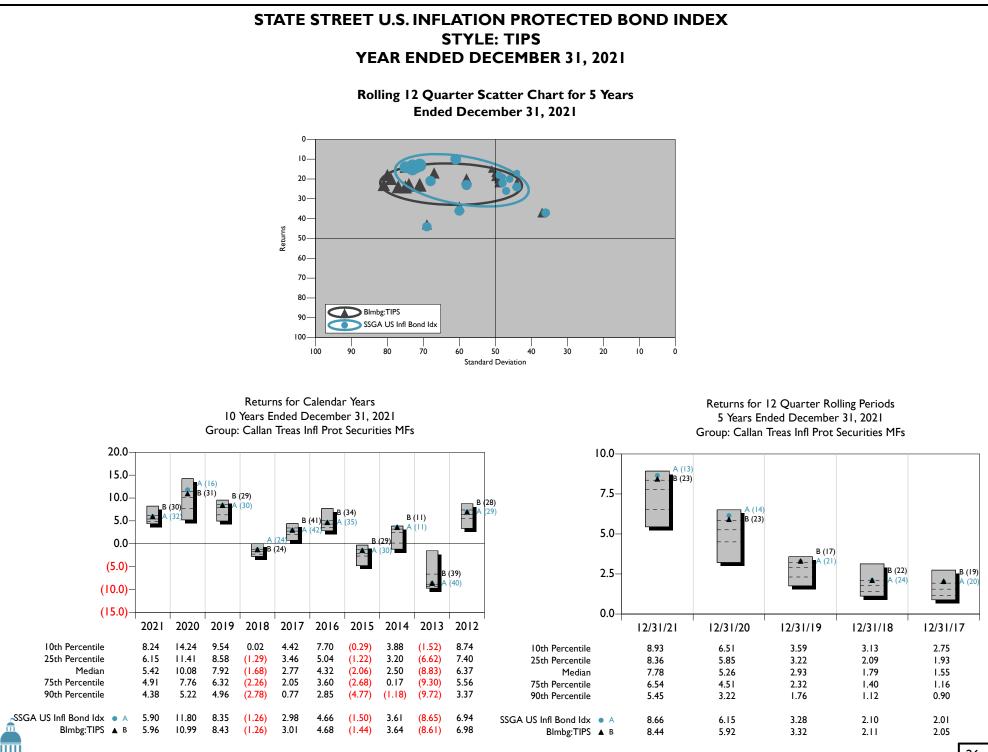
Returns for Calendar Years

# STATE STREET U.S. INFLATION PROTECTED BOND INDEX STYLE: TIPS YEAR ENDED DECEMBER 31, 2021

Organization	State Street
Product Name	State Street U.S. Inflation Protected Bond Idx
Fund Inception	February 1, 2007
Ownership Structure	State Street Global Advisors Trust Company
	is a wholly owned subsidiary of State Street
	Bank and Trust which is a wholly owned
	subsidiary of State Street Corporation, a
	publicly listed company (NYSE: STT).
Firm Information	State Street Global Advisors is the world's
	third largest asset manager with over \$4.1
	trillion in assets under management.
Investment Strategy	The Fund is managed using an indexing
	investment approach, by which SSgA
	attempts to approximate the performance of
	the BB U.S. TIPS Index.
Index	Bloomberg Barclays U.S. TIPS Index
Assets In Product	\$32.2 billion
Fees	4 bps
Vehicle Type	Collective Investment Trust

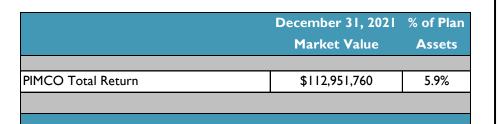
	December 31, 2021 Market Value	% of Plan Assets
State Street U.S. Inflation Protected Bond Idx	\$66,582,159	3.5%



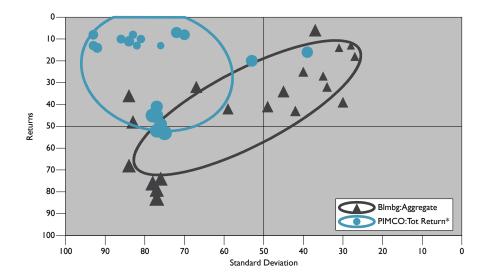


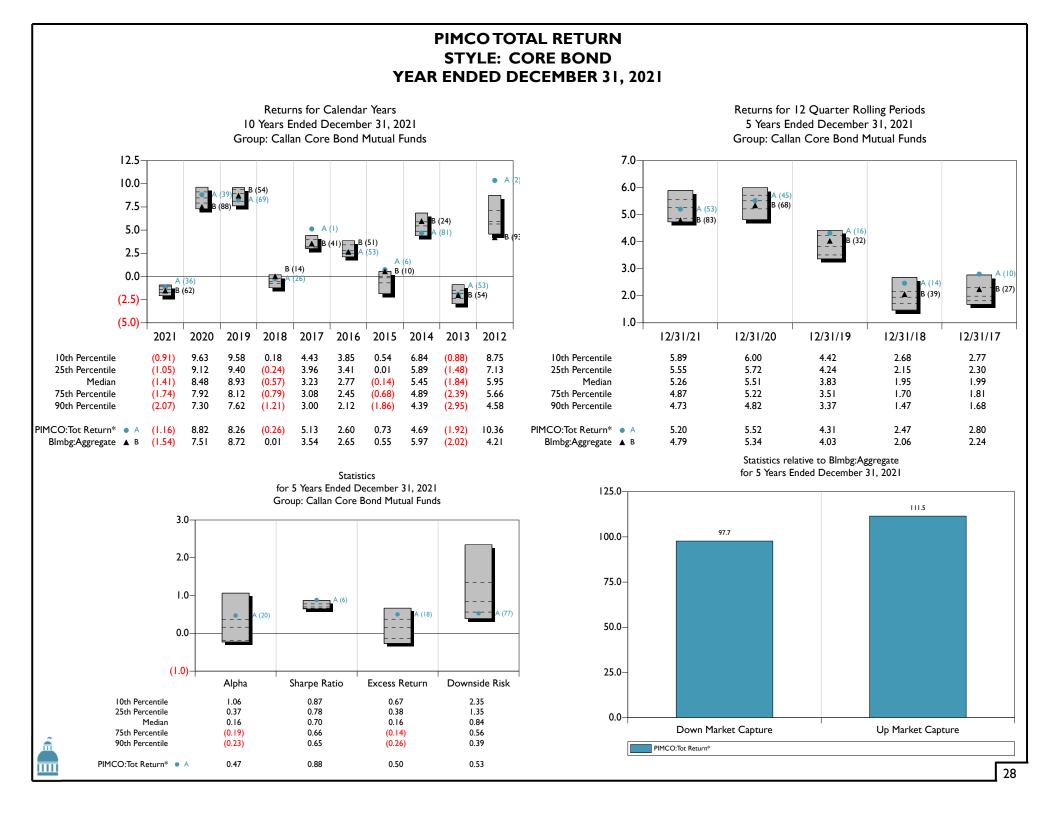
# PIMCO TOTAL RETURN STYLE: CORE BOND YEAR ENDED DECEMBER 31, 2021

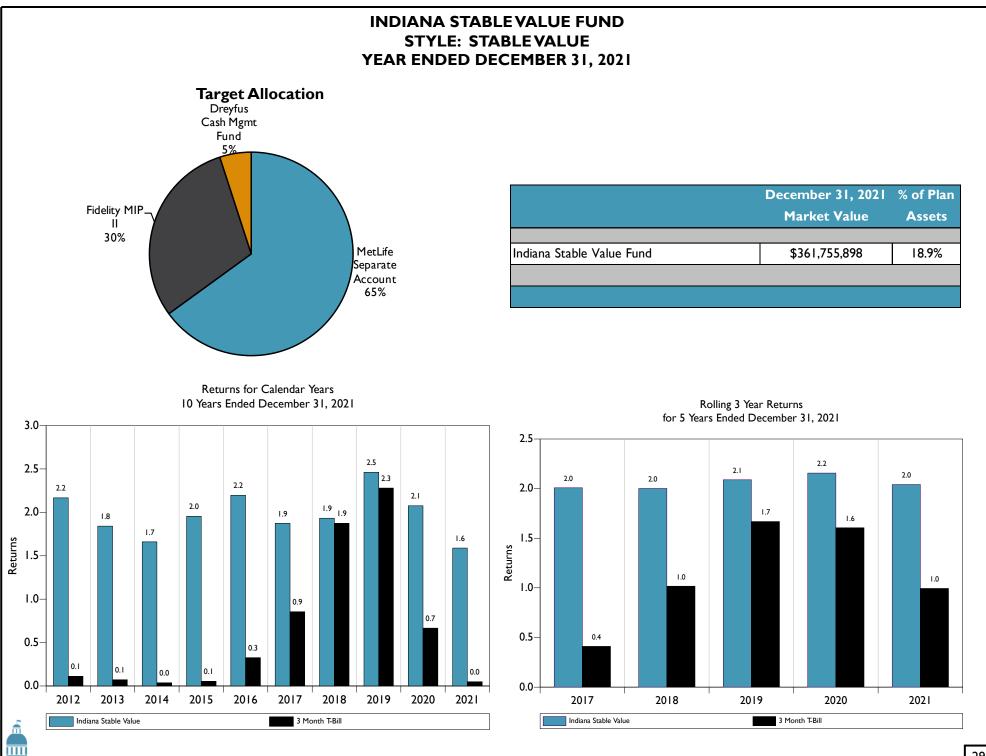
Organization	ΡΙΜCΟ		
Product Name	Total Return Fund		
Product Inception Date	May 11, 1987		
Ownership Structure	Wholly-owned subsidiary of Allianz AG, a Germany-based insurance		
	company.		
Firm Information	Located in Newport Beach, California; Founded in 1971; over \$2.2		
	trillion in assets under management.		
Investment Philosophy	PIMCO seeks to add value through the use of top-down strategies,		
	such as exposure to interest rates or duration, yield curve		
	positioning and sector rotation. The firm looks to incorporate		
	bottom-up security selection into their process.		
Security Selection	PIMCO considers the full spectrum of global fixed income sectors		
	when evaluating individual securities for inclusion in its Total Return		
	accounts. Security analysis is conducted primarily by PIMCO's		
	specialists using proprietary models and analytics internally		
	developed and maintained by the firm's financial engineers. The		
	specialists are charged with determining relative value within their		
	sectors.		
Credit Sector Issue Constraints	Max 20% in securities rated B or lower.		
Duration	5.88		
Benchmark Awareness	Will deviate from benchmark significantly in terms of duration, yield		
	curve, and sector allocations.		
Key Professionals	Scott A. Mather, Mark R. Kiesel, Mohit Mittal		
Assets In Product	\$71.9 billion		
Fees	81 bps (45 bps revenue sharing). Net expense: 36 bps		
Vehicle	Mutual Fund (PTTAX)		



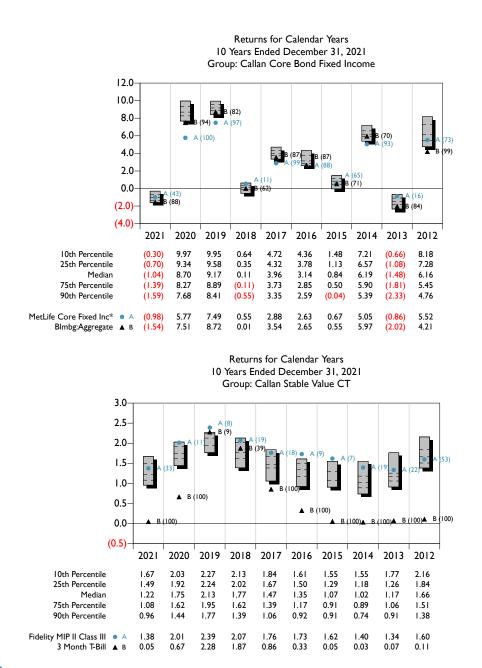
# Rolling 12 Quarter Scatter Chart for 5 Years Ended December 31, 2021



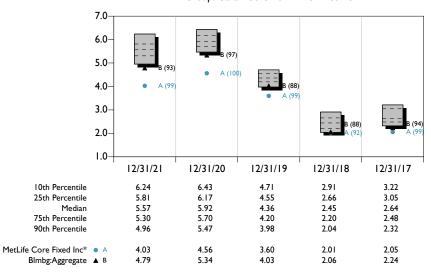




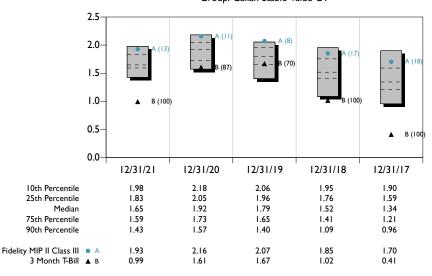
# INDIANA STABLE VALUE FUND STYLE: STABLE VALUE YEAR ENDED DECEMBER 31, 2021



Returns for 12 Quarter Rolling Periods 5 Years Ended December 31, 2021 Group: Callan Core Bond Fixed Income

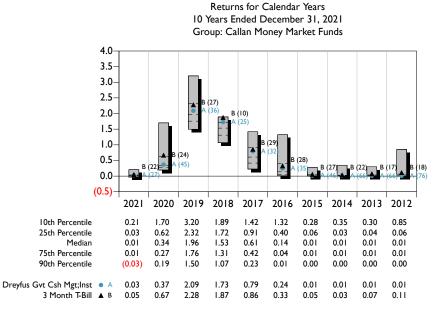


Returns for 12 Quarter Rolling Periods 5 Years Ended December 31, 2021 Group: Callan Stable Value CT

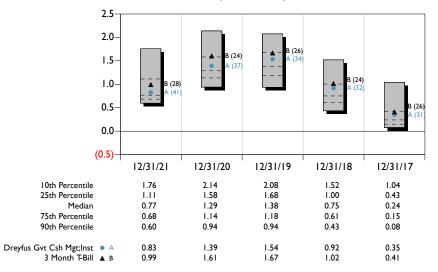




# INDIANA STABLE VALUE FUND STYLE: STABLE VALUE YEAR ENDED DECEMBER 31, 2021



Returns for 12 Quarter Rolling Periods 5 Years Ended December 31, 2021 Group: Callan Money Market Funds



# **Plan Fees**

# Investment Management Fees

			Median Peer				Median Peer
Manager	Style	Fee Schedule	Group Fees	Manager	Style	Fee Schedule	Group Fees
State Street S&P 500 Index	Passive Core Equity	l basis point		FKIDX Fidelity Diversified International	Core International	60 basis points	102 basis points
VFTNX Vanguard FTSE Social Index	Large Cap Broad	12 basis points	90 basis points	RERGX American Funds EuroPacific Growth	Non-US Equity	46 basis points	102 basis points
EB Dynamic Value	Large Cap Value	40 basis points	93 basis points	State Street Target Retirement Funds	Lifestyle	6.5 basis points	51-65 basis points
T. Rowe Price Blue Chip Growth	Large Cap Growth	45 basis points	94 basis points	Indiana Flexible Bond Fund	Unconstrained F/I	60.5 basis points	96 basis points
MVCHX MFS Mid Cap Value	Mid Cap Value	107 basis points (50 bps rev share)	102 basis points	State Street U.S. Inflation Protected Bond Index	TIPS	4 basis points	
VHCAX Vanguard Capital Opportunity	Mid Cap Growth	37 basis points	105 basis points	PTTAX PIMCO Total Return	Core Bond	81 basis points (45 bps rev share)	66 basis points
State Street Russell Small/ Mid Index	Passive SMID Equity	2 basis points		Indiana Stable Value Fund	Stable Value	33 basis points	
FLPSX Fidelity Low-Priced Stock	Specialty	65 basis points (25 bps rev share)					

- All of the investment options have fees that are below peers.
- Revenue-sharing is rebated to the participants who generate it.

# **Total Fees**

		12/31/2021	Inv Mgmt Fees	Est. Inv Mgmt
Manager	Style	Market Value	(%)	Fees (\$)
State Street S&P 500 Index	Passive Core Equity	\$136,818,164	0.01%	\$13,682
Vanguard FTSE Social Index	Core Equity	\$98,506,52I	0.12%	\$118,208
EB Dynamic Value	Large Cap Value	\$119,931,135	0.40%	\$479,725
T. Rowe Price Blue Chip Growth	Large Cap Growth	\$127,978,200	0.45%	\$575,902
MFS Mid Cap Value	Mid Cap Value	\$47,776,025	1.07%	\$511,203
Vanguard Capital Opportunity	Mid Cap Growth	\$198,902,042	0.37%	\$735,938
State Street Russell SMID Index	SMID Broad	\$84,080,272	0.02%	\$16,816
Fidelity Low-Priced Stock	Specialty	\$24,531,228	0.65%	\$159,453
Fidelity Diversified International	Core International	\$88,365,362	0.60%	\$530,192
American Funds EuroPacific Growth	Non-US Equity	\$81,773,308	0.46%	\$376,157
State Street Target Retirement Funds	Lifestyle	\$363,358,147	0.065%	\$236,183
Indiana Flexible Bond Fund	Unconstrained F/I	\$5,I54,879	0.61%	\$31,187
Indiana Inflation Protected Bond	TIPS	\$66,582,159	0.04%	\$26,633
PIMCO Total Return	Core Bond	\$112,951,760	0.81%	\$914,909
Indiana Stable Value Fund	Stable Value	\$361,755,898	0.33%	\$1,178,601
			<b>A 3</b> 10/	
		\$1,918,465,100	0.31%	\$5,904,788

# **Reality Investing Fee Schedule**

Participant Account Balances	Quarterly Fee	Annual Fee
<= \$100,000	0.1125%	0.45%
Next \$150,000	0.0875%	0.35%
Next \$150,000	0.0625%	0.25%
>=\$400,000	0.0375%	0.15%

• Reality Investing fees paid in calendar year 2021 were \$2,142,712.

- The estimated <u>investment</u> <u>management</u> fees for the past year totaled ~\$5,904,788.\*
- <u>Recordkeeper</u> fees paid to Empower in calendar year 2021 were \$3,371,031.
- Administrative (\$3/participant) and rebated recordkeeper (\$40,000) fees paid to the <u>Unallocated Plan</u> <u>Account</u>, that is utilized to pay the Auditor of State Plan-related expenses, totaled \$214,025 in 2021.
- The <u>Unallocated Plan Account</u> expenses in 2021 totaled \$230,326 and included:

➢ Personnel: \$32,337

- Legal & Lobbying: \$53,638
- > Audit/Review Fees: \$54,000
- ➤ Consultants: \$82,500
- > Other: \$7,851

### **Floating Bar Return Chart**

The Floating Bar chart is used to compare a manager's return against a style group and benchmark's return. A style group is a collection of funds/managers that uses a similar investment strategy for the investment management of their portfolio. It is intended to be a comparison of active managers.

The floating bar represents 80% of the managers included in a particular style group of Callan's universe. The top of the floating bar indicates the  $10^{th}$  percentile of the group and the bottom represents the  $90^{th}$  percentile. The middle dashed line is the median, which has a percent rank of 50. The dashed line just above this is the  $25^{th}$  percentile and the one below is the  $75^{th}$  percentile. The higher up on the floating bar chart the better. The number in parentheses next to each floating bar is the percentile (1 = best performer, 100 = worst performer) the manager and the index ranked for that period. For example, if a fund ranked at the  $37^{th}$  percentile, it means that the fund outperformed 63% of the managers in that particular style group and underperformed 37% of the managers in that group.

### **Risk vs. Return Scatter Chart**

The Risk vs. Return scatter chart is used to show a graphical representation of a manager's risk/return profile within a style group. Returns are on the vertical axis and standard deviation (risk) is on the horizontal axis. The scatter chart is broken down into four quadrants: northeast, northwest, southeast, and southwest. The northwest quadrant (more return/less risk) is the ideal place for a portfolio to reside. The southeast quadrant (less return/more risk) is the worst quadrant. The crosshairs in the chart represent the median (50<sup>th</sup> Percentile) return and median standard deviation of the particular style group.

### Alpha

Alpha measures a portfolio's return in excess of the market return adjusted for risk. It is a measure of the manager's contribution to performance with reference to security selection. A positive alpha indicates that a portfolio was positively rewarded for the residual risk which was taken for that level of market exposure.

# **Basis Point**

1% change = 100 basis points, and 0.01% = 1 basis point.

#### **Coupon Rate**

The average coupon is the market value weighted average coupon of all securities in the portfolio. The total coupon payments per year are divided by the total portfolio par value.

#### **Dividend Yield**

Dividend Yield is the total amount of dividends paid out for a stock over the preceding twelve months divided by the closing price of a share of the common stock.

# Down Market Capture

Down Market Capture represents the ratio of return generated by a manager versus an index when that index is performing negatively.

#### **Downside Risk**

Downside Risk stems from the desire to differentiate between "good risk" (upside volatility) and "bad risk" (downside volatility). Whereas standard deviation punishes both upside and downside volatility, downside risk measures only the standard deviation of returns below the target. Returns above the target are assigned a deviation of zero. Both frequency and magnitude of underperformance affect the amount of downside risk.

# **Effective Maturity**

This is a measure of the market-value-weighted-average of the years to expected maturity across all of the securities in the portfolio. Expected years to maturity takes into account any put or call options embedded in the security, any expected sinking-fund paydowns or any expected mortgage principal prepayments.

# **Effective Yield**

The effective yield is the actual total annualized return that would be realized if all securities in the portfolio were held to their expected maturities. Effective yield is calculated as the internal rate of return, using the current market value and all expected future interest and principal cash flows. This measure incorporates sinking fund paydowns, expected mortgage principal prepayments, and the exercise of any "in-the-money" embedded put or call options.

# **Excess Return Ratio**

Excess Return Ratio is a measure of risk adjusted relative return. This ratio captures the amount of active management performance (value added relative to an index) per unit of active management risk (tracking error against the index). It is calculated by dividing the manager's annualized cumulative excess return relative to the index by the standard deviation of the individual quarterly excess returns. The Excess Return Ratio can be interpreted as the manager's active risk/reward tradeoff for diverging from the index when the index is mandated to be the "riskless" market position.

# **Forecasted Growth in Earnings**

This growth rate is a measure of a company's expected long-term success in generating future year-over-year earnings growth. This growth rate is a market value weighted average of the consensus (mean) analysts' long-term earnings growth rate forecast for each company in the portfolio. The definition of long-term varies by analyst but is limited to a 3-8 year range. This value is expressed as the expected average annual growth of earnings in percent.

# **Information Ratio**

The information ratio measures the manager's market risk-adjusted excess return per unit of residual risk relative to a benchmark. It is computed by dividing alpha by the residual risk over a given time period. Assuming all other factors being equal, managers with lower residual risk achieve higher values in the information ratio. Managers with higher information ratios will add value relative to the benchmark more reliably and consistently.

Managers with higher Information Ratios have demonstrated higher risk-adjusted excess returns per unit of residual risk over the time period measured. When plotted on a floating bar chart versus managers of a similar style, the higher the manager ranks (I = best, 100 = worst) the better.

# **Option Adjusted Duration**

The modified duration of a security, calculated using a model that accounts for embedded options. The OA duration indicates how cash flows change when interest rates change.

# **Price/Book Value**

The Price to Book Value is a measure of value for a company. It is equal to the market value of all the shares of common stock divided by the book value of the company. The book value is the sum of capital surplus, common stock, and retained earnings.

# **Price/Earnings Ratio**

The Price to Earnings Ratio (P/E) is a measure of value for a company. It is equal to the price of a share of common stock divided by the earnings per share for a twelve-month period.

# **Quality Rating**

Quality Rating is typically assigned by a third-party rating agency, such as Standard & Poor's, Moody's or Fitch. Quality ratings measure the relative investment quality of bonds by using symbols which range from the highest investment quality (least investment risk) to the lowest investment quality (greatest investment risk).

### **Relative Standard Deviation**

Relative Standard Deviation is a simple measure of a manger's risk (volatility) relative to a benchmark. It is calculated by dividing the manager's standard deviation of returns by the benchmark's standard deviation of returns. A relative standard deviation of 1.20, for example, means the manager has exhibited 20% more risk than the benchmark over that time period. A ratio of .80 would imply 20% less risk. This ratio is especially useful when analyzing the risk of investment grade fixed-income products where actual historical durations are not available. By using this relative risk measure over rolling time periods one can illustrate the "implied" historical duration patterns of the portfolio versus the benchmark.

Managers with lower Relative Standard Deviations have demonstrated lower volatility relative to their benchmark over the time period measured. When plotted on a floating bar chart versus managers of a similar style, the lower the manager ranks (1 = worst, 100 = best) the better.

### **Residual Portfolio Risk**

Residual Portfolio Risk is the unsystematic risk of a fund, the portion of the total risk unique to the fund (manager) itself and not related to the overall market. This reflects the "bets" which the manager places in that particular asset market. These bets may reflect emphasis in particular sectors, maturities (for bonds), or other issue specific factors which the manager considers a good investment opportunity. Diversification of the portfolio will reduce or eliminate the residual risk of that portfolio.

### Sharpe Ratio

Sharpe Ratio is a commonly used measure of risk-adjusted return. It is calculated by subtracting the "risk-free" return (usually 3 Month Treasury Bill) from the portfolio return and dividing the resulting "excess return" by the portfolio's risk level (standard deviation). The result is a measure of return gained per unit of risk taken.

Managers with higher Sharpe Ratios have demonstrated excess return per unit of risk over the time period measured. When plotted on a floating bar chart versus managers of a similar style, the higher the manager ranks (I = best, 100 = worst) the better.

# **Standard Deviation**

Standard Deviation is a statistical measure of portfolio risk. It reflects the average deviation of the observations from their sample mean. Standard deviation is used as an estimate of risk since it measures how wide the range of returns typically is. The wider the typical range of returns, the higher the standard deviation of returns, and the higher the portfolio risk. If returns are normally distributed (i.e. has a bell shaped curve distribution) then approximately 2/3 of the returns would occur within plus or minus one standard deviation from the sample mean.

# **Up Market Capture**

Up Market Capture represents the ratio of return generated by a manager versus an index when that index is performing positively.

# Weighted Average Market Capitalization

Weighted Average Market Capitalization is the average market value of all outstanding common stock of companies included in a portfolio, weighted in proportion to their percentage of net assets in the fund.

# **Styles**

Large Cap Core Equity Index: Large Cap Core Equity Index Style managers hold portfolios with characteristics similar to those of the broader market as represented by the Standard & Poor's 500 Index.

Large Cap Core Equity: Large Cap Core managers' portfolio holdings and characteristics are similar to that of the broader market as represented by the Standard & Poor's 500 Index, with the objective of adding value over and above the index, typically from sector or issue selection. The core portfolio exhibits similar risk characteristics to the broad market as measured by low residual risk with Beta and R-Squared values close to 1.00.

**Large Cap Value Equity:** Large Cap Value Equity managers invest in predominately large capitalization companies believed to be undervalued or possessing lower than average price to book and price to earnings ratios. The companies are expected to have a near-term earnings rebound and realize their potential for capital appreciation.

Large Cap Growth Equity: Large Cap Growth Equity managers invest in predominately large capitalization companies that are expected to have above average prospects for long-term growth in earnings and profitability. Future growth prospects take precedence over valuation levels in the stock selection process.

**Mid Cap Value:** Mid Cap Value Equity managers invest primarily in mid-capitalization companies believed to be currently undervalued in the general market. Valuation issues take precedence over near term earnings prospects in the stock selection process. Market capitalizations are generally between core (large) equity companies and small capitalization companies.

**Mid Cap Growth:** Mid Cap Growth Equity managers invest primarily in mid-capitalization companies that are expected to have above average prospects for long-term growth in earnings and profitability. Future growth prospects take precedence over valuation levels in the stock selection process. Market capitalizations are generally between core (large) equity companies and small capitalization companies.

**Small Cap Broad:** Small Cap Broad Equity managers invest primarily in companies with relatively small capitalization. The companies typically have zero dividends or dividend yields below the broader market. The securities exhibit greater volatility than the broader market as measured by the risk statistics beta and standard deviation. Managers will generally invest in both value and growth stocks.

International Core Equity: International Core Equity managers invest in a well-diversified portfolio of mostly large issues in developed countries with liquid markets, resulting in characteristics similar to that of an index such as the Morgan Stanley Capital International (MSCI) EAFE Index.

**Lifestyle:** This style consists of funds whose primary objective is to split its investment assets among stocks, bonds, and other investment vehicles in an attempt to provide consistent return for the investor while diversifying an investor's assets among different types of investment products.

**Treasury Inflation-Protected Securities (TIPS):** TIPS are securities issued by the U.S. Treasury that offer inflation protection to investors. They have a fixed coupon rate but their principal value is adjusted at periodic intervals to reflect changes in the Consumer Price Index (CPI).

**Core Bond:** Core Bond managers construct portfolios to approximate the investment results of the Barclays Capital Government/Credit Bond Index or the Barclays Capital Aggregate Bond Index with a modest amount of variability in duration around the index. The objective is to achieve value added from sector and/or issue selection.

**Unconstrained Fixed Income**: Unconstrained fixed income managers do not construct portfolios based on a given benchmark, thus have the ultimate flexibility to adjust the exposures of the funds (duration/yield curve, quality, country and currency positioning, sector allocations) to reflect their views on the market's opportunities and risks. Additionally, these portfolios will often have the ability to be both long and short, but typically maintain net long positions.

**Stable Value:** Seeks to provide a competitive level of income over time while preserving the principal value. Returns are expected to be above that of a money market fund.

#### **Indices**

Standard & Poor's 500 Index: The S&P 500 Index is a capitalization weighted index comprised of 500 stocks chosen for market size, liquidity, and industry group representation. The S&P 500 Index is constructed to represent a broad range of industry segments in the U.S. economy. The S&P 500 focuses on the large-cap segment of the market with over 80% coverage of US equities. Criteria for inclusion include financial stability (minimize turnover in the index), screening of common shares to eliminate closely held companies, and trading activity indicative of ample liquidity and efficient share pricing. Companies in merger, acquisition, leveraged-buy-outs, bankruptcy, restructuring, or lack of representation in their representative industry groups are eliminated from the index.

**FTSE 4Good U.S. Select Index:** The FTSE4Good U.S. Select Index is a socially responsible investment (SRI) index of US stocks that excludes companies with certain business activities such as weapons, tobacco, gambling, alcohol, nuclear power, and adult entertainment. Additionally, in order to be included companies must meet a series of stringent environmental and social criteria in areas including environmental management, labor rights, human rights, health and safety, and diversity.

Russell 1000 Value Index: Russell 1000 Value index measures the performance of those Russell 1000 companies with lower price-to-book ratios and lower forecasted growth values.

Russell 1000 Growth Index: Russell 1000 Growth index measures the performance of those Russell 1000 companies with higher price-to-book ratios and higher forecasted growth values.

**Russell Mid Cap Value Index:** Russell Mid Cap Value index measures the performance of the mid-capitalization sector of the US equity market. It invests in those Russell Midcap Index companies with lower price-to-book ratios and lower forecasted growth.

**Russell Mid Cap Growth Index:** Russell Mid Cap Growth index measures the performance of those Russell Midcap companies with higher price-to-book ratios and higher forecasted growth values. The stocks are also members of the Russell 1000 Growth index.

**Russell Small Cap Completeness Index:** The Russell Small Cap Completeness measures the performance of the Russell 3000® Index companies excluding S&P 500 constituents. The Index is constructed to provide a comprehensive and unbiased barometer of the extended broad market beyond the S&P 500 exposure. The Index is completely reconstituted annually to ensure new and growing equities are reflected.

Russell 2000 Index: Russell 2000 index measures the performance of the 2,000 smallest companies in the Russell 3000 Index, which represents approximately 8% of the total market capitalization of the Russell 3000 Index.

Morgan Stanley Capital International (MSCI) EAFE Index: Morgan Stanley Capital International (MSCI) EAFE index is composed of approximately 1000 equity securities representing the stock exchanges of Europe, Australia, New Zealand, and the Far East. The index is capitalization-weighted and is expressed in terms of U.S. dollars.

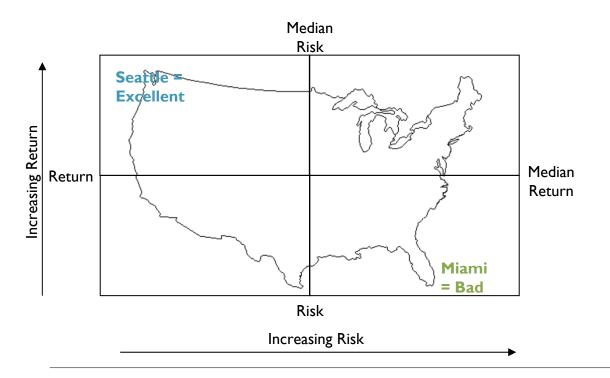
Morgan Stanley Capital International (MSCI) ACWI ex-US Index: Morgan Stanley Capital International (MSCI) ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets, excluding US stocks, and is expressed in terms of U.S. dollars.

**Barclays Capital U.S. TIPS Index:** The Barclays Capital U.S. TIPS Index represents securities that protect against adverse inflation and provide a minimum level of real return. To be included in the index, bonds must have cash flows linked to an inflation index, be sovereign issues denominated in U.S. currency, and have more than one year to maturity.

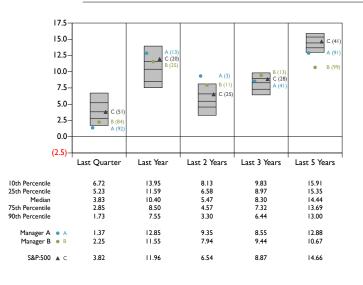
**Barclays Capital Aggregate Bond Index:** The Barclays Capital Aggregate Bond index includes fixed rate debt issues rated investment grade or higher by Moody's Investors Service, Standard and Poor's, or Fitch Investor's Service, in that order. All issues must have at least 1 year left to maturity and have an outstanding par value of at least \$100 million.

90-Day U.S. Treasury Bills: 90-Day U.S. Treasury Bills provide a measure of riskless return. The rate of return is the average interest rate available on the beginning of each month for a Treasury Bill maturing in ninety days.

# How to Read a Scatterchart

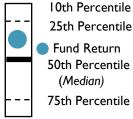


# How to Read a Floating Bar Chart



#### How to Read a Bar Chart

The top line of the bar indicates the top 10th percentile of the universe. The middle solid line is the median, which has a percent rank of 50. The 75th percentile is indicated by the lower dotted line and the 90th percentile is indicated by the bottom line.



25th Percentile

Fund Return 50th Percentile (Median) 75th Percentile