

State of North Carolina

STATE OF NORTH CAROLINA

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SECTION I

GALLIARD CAPITAL MANAGEMENT

WHO WE ARE

\$92.0 B

TOTAL AUM

\$75.7 B

TOTAL STABLE VALUE AUM

75+

STABLE VALUE SEPARATE ACCOUNTS

100

EMPLOYEES ON STAFF1

¹20 of which are Galliard-dedicated deferred professionals

Offer **separate account** and **collective fund** solutions for clients

~200

INSTITUTIONAL CLIENTS

CLIENT RELATIONSHIP TENURE



~89% of our clients have worked with Galliard for greater than **5 years**

72 of those relationships exceed 15 years with Galliard

CLIENT TYPES

- CorporatePublic Entities
- Taft-HartleyOperating Funds
- Healthcare
 Insurance Reserves
 - Foundations / Endowments

FORTUNE 100 / 500

18 Fortune 100 clients; 44 Fortune 500 clients²

²2022 Fortune 500 edition, data as of June 30, 2022

27 YEARS

OF EXCLUSIVE FOCUS ON

FIXED INCOME & STABLE VALUE

Senior Professionals Average Years of Experience:

Stable value strategy and contract – 24
Fixed income portfolio management – 22

Galliard is one of the **largest** managers of stable value assets³

³ Pensions & Investments May 31, 2022 edition, data as of December 31, 2021; Total assets 'ranked' are managed by Galliard and reported under Allspring Global Investments



Galliard is a subsidiary of Allspring Global Investments

Data as of 12/31/2022. **FOR INSTITUTIONAL INVESTOR USE ONLY.**



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GALLIARD CAPITAL MANAGEMENT

ORGANIZATION CHART AS OF 12/31/22

EXECUTIVE	EXECUTIVE MANAGEMENT		Presi	Mike N dent & Senior I	lorman Managing Principa	l _	Ajay Mirza, CFA Senior Managing Principal					
FIXED INCOM	E INVESTMENT	PORTFOLI	O & RELA	TIONSHIP	MANAGEMEI	N T			CLIENT S	UPPORT		
Credit Brandon Kanz, CFA Senior Principal Sector Head	Structured Product Ajay Mirza, CFA Senior Managing Principa Sector Head	Portfolio Andrea Johnson, Senior Principal	CFA Tami Princi	'	Conor Murphy, Senior Director		Jennifer Lam Senior Princi Jennifer Hop Associate Dir	ner. CFA	Stable Timoth Associa		Ste As	ced Income eve Patterson sociate ad
Rene Hoogmoed, CFA Senior Principal	Matt Robertson, CFA Senior Principal	Robert Crandall, Senior Director		anganki, CFA r Director		FA	Shanna Ellef	son	David F Associa	Ring, CFA	Lu	ke Olson nior Associate
Matt Bentley Principal	Mike Meerovich Director	Michael Amundse Director	en Alesh Senio	a McAdams r Director	Jordan Bewley Director		Associate Director			Derek Schmidt		mor Associate
Chad Callahan	Tyler Wadsworth, CFA Associate Director	Elizabeth Smithle Associate Directo	steve r Senio	Moen r Director	Ryan Olsen Director				ASSOCIA	ile		
Principal Robert Barrett, CFA Senior Director	Jimmie Wu, CFA Associate Director		Jaime Senio	Morgan r Director	Linh Buoen Associate Direc	tor						
John Kenley, CFA Senior Director	David Que, CFA Senior Associate	STAB	LE VALUE	0.7	MARK	ETING	& RFP		INVES	TMENT	COM	PLIANCE
Will Moeller, CFA Director	Sanhakorn Rattanacheeworn	Nick Gage, CFA Senior Principal	V 11 T 1 1		larketing	/or	Andrew Mo Director	Kessock	Br Se	ian Heruth nior Associate		
	Senior Associate	Senior Principal Christina Burton Director	Associate Kendra M Associate		Associate Direct Desiree Wright Associate	ctor Se	acqueline Becl enior Associato	9	Matt Brown Associate [) Director	Leah Schermann Senior Associate	
TECHNO	DLOGY		OPERATIONS					LEGAL/COMPLIANCE				
George Jones* Senior Director	Christopher Smith* Senior Director	Jennifer Miller Senior Director	Jason Skull* Associate Dir		ath Chak ssociate	Phil Na Associ	guyen* ate		Compliance	Chris Bene	dict	Legal David Lui
Charlie Head* Associate Director	Heather Goserud, CFA Associate Director	Carmen Rangel, CPA Senior Director	Trevor Fletch Senior Assoc		ana Gemeda ssociate	Alex O Associ	strovksy ate	Chief Office	Renelt Compliance r	Associate Ellen Riva		Principal Paula Novick
Will Ingle* Associate Director	Christian Asilo* Senior Associate	Pete Anderson Director	Phil Kos* Senior Assoc	ate As	am Helmueller* ssociate	Jesse I Associ	Perzichilli ate	Laurie Associ	Kern iate Director	Associate	ď	Principal
Ben Modica* Associate Director	Baber Khan Senior Associate	Brian Brooks Director	Christopher L Senior Assoc	aMere Jir ate As	n Heo ssociate	Christi Associ	na Peters ate	_				
Mark Perzichilli* Senior Associate	Joe Ostrowski* Associate	Rasaan Ellison* Director	Matt Reming Senior Assoc	ton Na ate As	atalia Kolakowska sociate	Bre Ri		PROJE(MANAGEN		ENT		
Ahmed Taher* Senior Associate		Michelle Boss* Associate Director	Brent Thornto Senior Assoc	on* Pa	ashia Lor ssociate	Brad S Associ	Sillanpa ate	Direct				
Scott Lackey* Associate		Michael Bouska Associate Director	Atu Akaa* Associate	Ma As	argo Monson ssociate	Melain Associ	na Sachdeva ate	Emily Senior	Myers Associate			
Suresh Sankaranarayana Associate	n*	Stephanie Ripley Associate Director	Dana Blomgr Associate		ike Myers sociate							

OTHER SERVICES PROVIDED BY ALLSPRING INCLUDE:

Human Resources Finances Technology Infrastructure Risk Management

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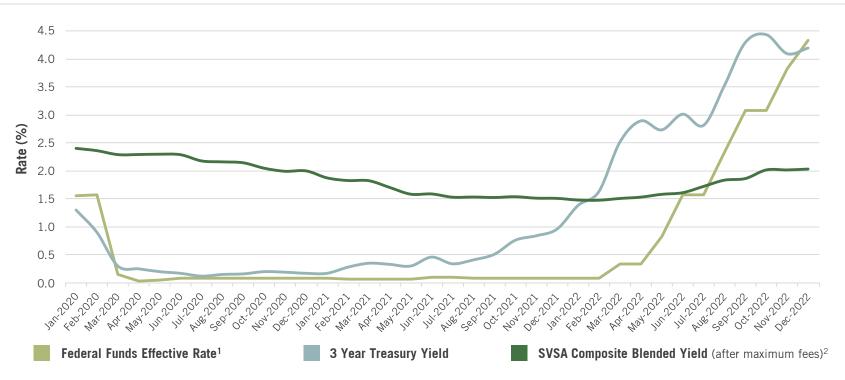
*Deferred professional at Allspring close (11/1/21). Temporarily reporting to Wells Fargo under TSA.



SECTION II

GALLIARD CAPITAL MANAGEMENT

HISTORICAL RATES AS OF 12/31/2022



- Having raised its policy rate by 425 bps since March, the Fed is currently in the fastest, most aggressive policy tightening environment since 1981.
- As the Fed increased its policy rate, 2-Year Treasuries also moved higher by 370 bps while 10-Year Treasuries sold off 237 bps resulting in cumulative 133 bps of curve flattening which represents the most deeply inverted yield curve in 40 years.
- With a dramatic move higher in interest rates, fixed income total returns were dismal in historic proportions. Looking back to the inception (1976) of the Bloomberg U.S. Aggregate and Intermediate Aggregate Indices, the total return experience of 2022 was the worst annual return on record.
- With a tailwind of higher interest rates, fixed income portfolio yield to maturity has also moved substantially higher over this past year as we've been able to invest and reinvest at higher overall yields.
- Despite the volatility in the market over the past three years and a backdrop of higher interest rates, stable value crediting rates continue to deliver positive total returns to participants and blended yields continue to trend higher, as the contract crediting rates continue to follow the general direction of interest rates but with a lag as expected.

^{2:} Blended yield is after all fees including the current maximum investment management fee of 0.20% which may be charged by Galliard for management of a client's account. From April 1, 2017 to June 30, 2020 Galliard's maximum fee was 0.35%. Historical amounts reflect these fee deductions on their respective dates.

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^{1:} Effective Federal Funds Rate sourced from the Federal Reserve, Rates are not annualized.

PORTFOLIO CHARACTERISTICS

STATE OF NORTH CAROLINA STABLE VALUE FUND

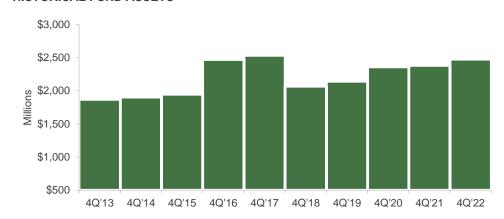
ACCOUNT SUMMARY

Benchmark	ICE BofA US 3-Month Tsy Bill Index+150 bps, 3 Year Constant Maturity Treasury
Galliard Inception Date	December 1, 2010
Net Asset Value	\$2,475,905,483

PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/22	Portfolio 12/31/22
Average Quality - Book Value ¹	A+	A+
Average Quality - Market Value ²	AA	AA
Number of Contract Issuers	5	5
Blended Yield (after all fees) ³	1.94%	2.20%
Yield to Maturity	4.92%	5.03%
Effective Duration	3.39 years	3.32 years
Market/Book Value Ratio	92.00%	92.87%

HISTORICAL FUND ASSETS



PORTFOLIO DISTRIBUTION

	% Portfolio 9/30/22	% Portfolio 12/31/22
Liquidity Buffer: Cash & Equivalents ⁴	1.8	2.1
Short Portfolio	34.7	34.4
Intermediate Portfolio	63.5	63.4
Total	100.0%5	100.0%5

^{5:} Total % of portfolio may not add to 100% due to rounding.



^{1:} Average holdings quality of the contracts and other book value assets in the portfolio. The Weighted Average Quality of the portfolio has NOT been assessed by a nationally recognized statistical rating organization. The Weighted Average Quality shown represents an average quality of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch.

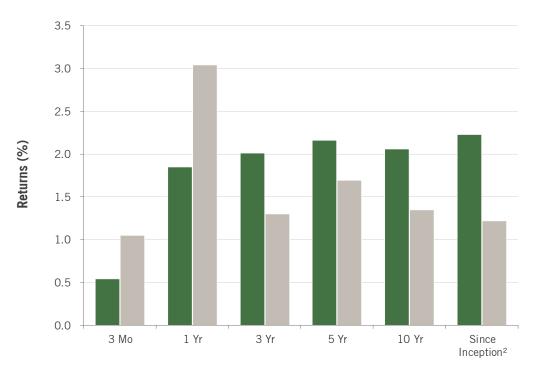
^{2:} Average holdings quality of the underlying assets of the portfolio. The Weighted Average Quality of the portfolio has NOT been assessed by a nationally recognized statistical rating organization. The Weighted Average Quality shown represents an average quality of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch.

^{3:} Blended Yield is net of all fees, including book value contract fees, Galliard investment management fees, and, if applicable, external manager fees, collective fund administrative fees, and plan administrative reimbursement.

^{4:} Includes Receivables and Payables.

ANNUALIZED INVESTMENT PERFORMANCE

ANNUALIZED INVESTMENT PERFORMANCE AS OF 12/31/221



		3 Mo	1 Yr	3 Yr	5 Yr	10 Yr	Inception ²
	State of North Carolina Stable Value Fund (net of all fees - NAV level) ³	0.54	1.85	2.01	2.16	2.06	2.23
	3 Year Constant Maturity Treasury Yield	1.05	3.04	1.30	1.69	1.35	1.22
_	ICE BofA U.S. 3-Month Treasury Bill Index + 150 bps	1.22	2.99	2.24	2.79	2.28	2.17
-	Value Added (net of all fees - NAV level) ⁴	(0.51)	(1.19)	0.70	0.47	0.71	1.01

^{1:} Returns for periods of less than one year are not annualized.

^{4:} May not add due to rounding.



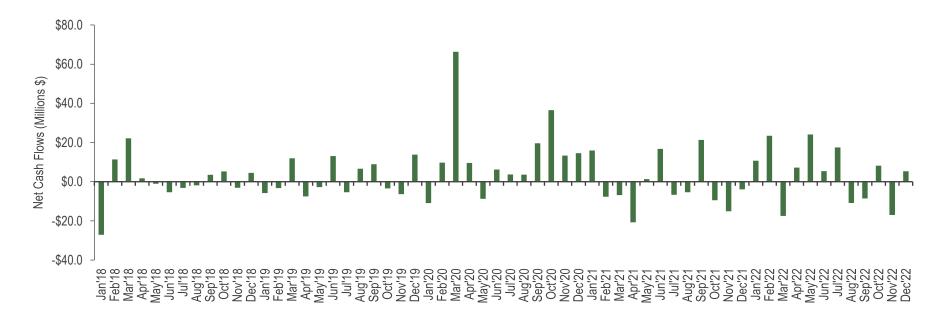
Since

^{2:} Galliard assumed management of this portfolio on December 1, 2010. Performance for periods referenced prior to this date include historical performance of another investment advisor.

^{3:} Returns are net of all fees, including book value contract fees, Galliard investment management fees, and, if applicable, external managers fees, Wells Fargo collective fund administrative fees, and plan administrative reimbursement

HISTORICAL CASHFLOWS

HISTORICAL CASHFLOWS



	2018	2019	2020	2021	1Q'22	2Q'22	3Q'22	4Q'22	2022 YTD
Beginning Assets	\$2,535.1	\$2,069.8	\$2,143.4	\$2,360.5	\$2,382.4	\$2,408.7	\$2,455.8	\$2,465.9	\$2,382.4
Net Cash Flow (\$)1	\$6.9 ³	\$19.8	\$163.5	-\$20.3	\$16.7	\$36.8	-\$1.9	-\$3.5	\$48.1
Net Cash Flow (%)	0.27%	0.95%	7.63%	-0.86%	0.70%	1.53%	-0.08%	-0.14%	2.02%
Estimated Investment Earnings	\$51.6	\$53.9	\$53.5	\$42.2	\$9.5	\$10.3	\$12.1	\$13.4	\$45.4
Ending Assets ²	\$2,069.8	\$2,143.4	\$2,360.5	\$2,382.4	\$2,408.7	\$2,455.8	\$2,465.9	\$2,475.9	\$2,475.9

^{1:} Contributions, Withdrawals and Investment Transfers

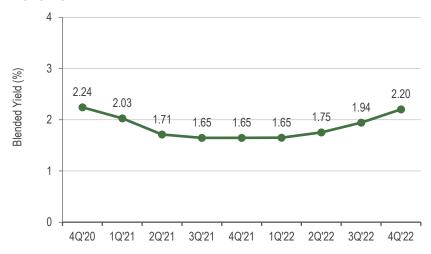
^{3:} Excludes Prudential GoalMaker withdrawal of approximately \$523.8 M on 6/8/18 for illustrative purposes.



^{2:} Cashflows may not net to final assets due to rounding.

HISTORICAL STATS

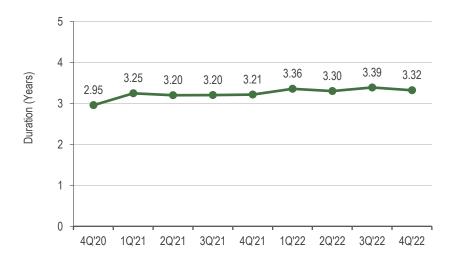
HISTORICAL BLENDED YIELD¹



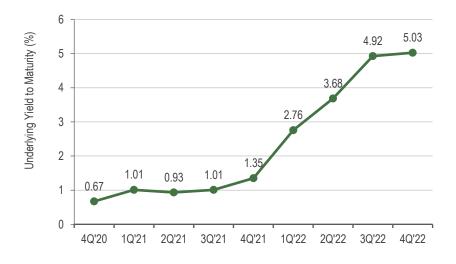
HISTORICAL MARKET VALUE TO BOOK VALUE RATIO



HISTORICAL DURATION



HISTORICAL UNDERLYING YIELD TO MATURITY



1: Blended Yield is net of all fees, including book value contract fees, Galliard investment management fees, and, if applicable, external manager fees, collective fund administrative fees, and plan administrative reimbursement.



CONTRACT ISSUERS

CONTRACT ISSUER DISTRIBUTION & RATING SUMMARY¹

	Contract Type ²	% Portfolio 9/30/22	% Portfolio 12/31/22	Rating 9/30/22	Rating 12/31/22	Wrap Fees (bps) 9/30/22	Wrap Fees (bps) 12/31/22
American General Life Ins. Co.	SBIC	19.6	19.5	A+	A+	15	15
Metropolitan Life Ins. Co.	SAGIC	10.4	10.4	AA-	AA-	17	17
Nationwide Life Ins. Co.	SBIC	20.4	20.4	A+	A+	15	15
Prudential Ins. Co. of America	SBIC	24.7	24.6	AA-	AA-	15	15
Transamerica Life Ins. Co.	SBIC	23.1	23.0	A+	A+	15	15

^{1:} The quality rating shown represents the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch. Ratings shown as NR/NA are not rated or not available security ratings.

2: SBIC = Security Backed Investment Contract. SAGIC = Separate Account GIC



CONTRACT ISSUER CREDIT REVIEW PROCESS

OVERSIGHT

Galliard Credit Working Group

- MEMBERSHIP: includes all analysts and traders from both the Credit Sector Team and Structured Sector Team
- · Reports contract issuer credit oversight to Galliard's Stable Value Strategy Committee

CREDIT REVIEW PROCESS

Approved Issuer List

- · The Credit Working Group maintains an approved list of contract issuers on an ongoing basis
- · All contracts used in stable value accounts must be written by an approved issuer

Credit Working Group Review, Approval & Monitoring

- Meets monthly to review issuer credit quality and firm-wide exposure to approved contract issuers
- Oversees analysts' due diligence and formal credit reviews for each issuer
- · Fundamental analysis of issuers includes:
 - Financial statements and ratios
 - Business model and product mix
 - Industry, economic, and regulatory environment
 - Regulatory ratios
 - Ratings agency analysis
 - Other third party research services (e.g. ALIRT, SNL)
 - Periodic due diligence calls and/or on-site visits



HOLDINGS

Asset ID	Security Description	Contract ¹ Type	Manager	Book Value (\$)	Market Value (\$)	Market/Book Value Ratio (%)	% of Portfolio	Crediting Rate (%) ²	UCA Yield (%)		Galliard Composite Rating	Wrap Fees (bps)
LIQUIDITY BU	JFFER											
	Cash Receivable / (Payable)			-1,419,051	-1,419,051	100.0	-0.1	4.44	4.44	0.10	AAA	
9983008\$P	Short-Term Investment Fund A S			54,306,682	54,306,682	100.0	2.2	4.44	4.44	0.10	AAA	
TOTAL LIQUI	DITY BUFFER			52,887,631	52,887,631	100.0	2.1	4.44	4.44	0.10	AAA	
SHORT PORT	TFOLIO .											
946996EE1	American General Life Ins. Co.	SBIC	Galliard	188,995,518	175,244,202	92.7	7.6	2.24	5.15	1.83	A+	15.0
896994GW4	Nationwide Life Ins. Co.	SBIC	Galliard	198,967,427	183,988,326	92.5	8.0	2.10	5.15	1.83	A+	15.0
744999CV3	Prudential Ins. Co. of America	SBIC	Galliard	240,198,757	224,394,339	93.4	9.7	2.49	5.15	1.83	AA-	15.0
600996QF2	Transamerica Life Ins. Co.	SBIC	Galliard	224,413,048	208,485,546	92.9	9.1	2.32	5.15	1.83	A+	15.0
TOTAL SHOR	RT PORTFOLIO			852,574,749	792,112,413	92.9	34.4	2.30	5.15	1.83	A+	



SAGIC = Separate Account GIC. SBIC = Security Backed Investment Contract.
 Crediting rates are net of wrap fees and any other fees being netted out of the rates.

HOLDINGS

Asset ID	Security Description	Contract¹ Type	Manager	Book Value (\$)	Market Value (\$)	Market/Book Value Ratio (%)	% of Portfolio	Crediting Rate (%) ²	UCA Yield (%)		Galliard Composite Rating	Wrap Fees (bps)
INTERMEDIA	TE PORTFOLIO											
590994VM8	Metropolitan Life Ins. Co.	SAGIC	Dodge & Cox	256,349,357	233,571,501	91.1	10.4	2.01	5.14	4.14	AA-	17.0
946996EE1	American General Life Ins. Co.	SBIC	PGIM	108,126,337	100,259,063	92.7	4.4	2.24	5.06	4.44	A+	15.0
946996EE1	American General Life Ins. Co.	SBIC	TCW	53,768,737	49,856,523	92.7	2.2	2.24	4.93	4.21	A+	15.0
946996EE1	American General Life Ins. Co.	SBIC	Payden & Rygel	52,062,646	48,274,567	92.7	2.1	2.24	4.94	4.39	A+	15.0
946996EE1	American General Life Ins. Co.	SBIC	Galliard	26,173,292	24,268,923	92.7	1.1	2.24	5.03	4.39	A+	15.0
946996EE1	American General Life Ins. Co.	SBIC	Jennison Assoc.	54,563,564	50,593,518	92.7	2.2	2.24	4.70	3.86	A+	15.0
896994GW4	Nationwide Life Ins. Co.	SBIC	TCW	55,665,358	51,474,637	92.5	2.2	2.10	4.93	4.21	A+	15.0
896994GW4	Nationwide Life Ins. Co.	SBIC	Galliard	138,350,235	127,934,650	92.5	5.6	2.10	5.03	4.39	A+	15.0
896994GW4	Nationwide Life Ins. Co.	SBIC	Payden & Rygel	55,364,181	51,196,134	92.5	2.2	2.10	4.94	4.39	A+	15.0
896994GW4	Nationwide Life Ins. Co.	SBIC	Jennison Assoc.	55,635,310	51,446,851	92.5	2.2	2.10	4.70	3.86	A+	15.0
744999CV3	Prudential Ins. Co. of America	SBIC	Galliard	89,489,164	83,601,023	93.4	3.6	2.49	5.03	4.39	AA-	15.0
744999CV3	Prudential Ins. Co. of America	SBIC	Jennison Assoc.	66,893,903	62,492,468	93.4	2.7	2.49	4.70	3.86	AA-	15.0
744999CV3	Prudential Ins. Co. of America	SBIC	TCW	68,191,643	63,704,820	93.4	2.8	2.49	4.93	4.21	AA-	15.0
744999CV3	Prudential Ins. Co. of America	SBIC	Payden & Rygel	67,822,442	63,359,912	93.4	2.7	2.49	4.94	4.39	AA-	15.0
744999CV3	Prudential Ins. Co. of America	SBIC	PGIM	76,638,434	71,595,835	93.4	3.1	2.49	5.06	4.44	AA-	15.0
600996QF2	Transamerica Life Ins. Co.	SBIC	TCW	62,002,775	57,602,188	92.9	2.5	2.32	4.93	4.21	A+	15.0
600996QF2	Transamerica Life Ins. Co.	SBIC	Galliard	98,776,143	91,765,601	92.9	4.0	2.32	5.03	4.39	A+	15.0
600996QF2	Transamerica Life Ins. Co.	SBIC	Jennison Assoc.	63,019,418	58,546,675	92.9	2.5	2.32	4.70	3.86	A+	15.0
600996QF2	Transamerica Life Ins. Co.	SBIC	Payden & Rygel	62,982,569	58,512,441	92.9	2.5	2.32	4.94	4.39	A+	15.0
600996QF2	Transamerica Life Ins. Co.	SBIC	PGIM	58,567,595	54,410,816	92.9	2.4	2.32	5.06	4.44	A+	15.0
TOTAL INTER	RMEDIATE PORTFOLIO			1,570,443,103	1,454,468,147	92.6	63.4	2.25	4.97	4.25	A+	
TOTAL PORT	FOLIO			2,475,905,483	2,299,468,190	92.9	100.0	2.32	5.03	3.32	A+	

SAGIC = Separate Account GIC. SBIC = Security Backed Investment Contract.
 Crediting rates are net of wrap fees and any other fees being netted out of the rates.



EXPENSES

TOTAL ANNUAL FUND OPERATING EXPENSES

Total Annual Operating Expenses are deducted directly from the Fund's net asset value and reduce the investment option's rate of return.

Expense	Expense Ratio 12/31/22	Per \$1000	Est. Annual Revenue
Investment Management Fees paid to Galliard	0.053%	\$0.53	\$1,316,567
Investment Management fees paid to Non-Affiliated Investment Advisors	0.057%	\$0.57	\$1,401,618
Investment Contract Fees ¹	0.149%	\$1.49	\$3,685,797
Acquired Fund Fees ²	0.002%	\$0.02	\$48,876
-Investment Contract Fees	None	None	None
-Other Acquired Fund Fees and Non-Affiliated Investment Management Fees paid to Non-Affiliated Investment Advisors ³	0.002%	\$0.02	\$48,876
12b-1 Distribution Fee	None	None	None
Other Expenses ⁴	0.014%	\$0.14	\$354,054
Total Annual Fund Operating Expenses ⁵	0.275%	\$2.75	\$6,806,912

- 1: These are fees paid to create and maintain the investments used by a stable value fund.
- 2: These are fees borne indirectly by the Fund when it acquires an interest in another fund which pays its own separate fees.
- 3: Includes audit fees for the cost of producing a report by a qualified auditor.
- 4: NC's Administrative fee of 0.0125% is included in Other Expenses.
- 5: Total Annual Fund Operating Expenses are reflected daily in the Fund's net asset value (NAV).

Excluding STIF or money market allocations, non-affiliated investment advisors include Dodge & Cox , Jennison Assoc., Payden & Rygel, PGIM, TCW.



SECTION III

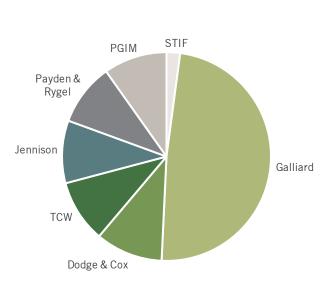
MANAGER STYLES

	Investment Approach	Sector Rotation	Active Duration/ Yield Curve Mgmt.	Issue Selection	S E C T O R E M P H A S I S
G A L L I A R D	Bottom Top Up Down	Low High	Low High	Less More Important	Diversified high quality spread sector emphasis, multi-sector relative value
DODGE & COX	Bottom Top Up Down	Low High	Low High	Less More Important	Corporate credit, Agency MBS
T C W	Bottom Top Up Down	Low High	Low High	Less More Important	Duration, multi-sector relative value
JENNISON	Bottom Top Up Down	Low High	Low High	Less More Important	Credit, yield-curve positioning
PAYDEN & RYGEL	Bottom Top Up Down	Low High	Low High	Less More Important	Corporate credit, structured credit, multi-sector relative value
PGIM	Bottom Top Up Down	Low High	Low High	Less More Important	Multi-sector relative value, Agency MBS, global focus



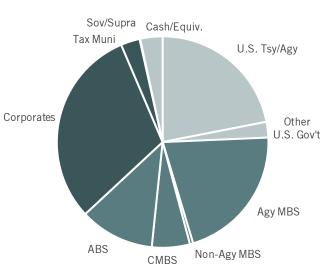
PORTFOLIO AS OF 12/31/22

MANAGER ALLOCATION



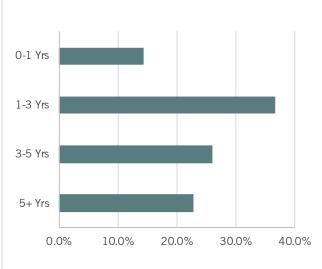
TOTAL PORTFOLIO	100%			
TOTAL EXT. MANAGER	49.2%			
PGIM	9.8%			
Payden & Rygel	9.6%			
Jennison	9.7%			
TCW	9.7%			
Dodge & Cox	10.4%			
Galliard	48.6%			
STIF	2.1%			

UNDERLYING FIXED INCOME SECTOR ALLOCATION



U.S. Tsy/Agy	21.9%
Other U.S. Gov't	2.4%
Agy MBS	21.0%
Non-Agy MBS	0.5%
CMBS	5.8%
ABS	11.4%
Corporates	30.5%
Tax Muni	2.9%
Sov/Supra	0.1%
Cash/Equiv.	3.4%

UNDERLYING DURATION DISTRIBUTION



0-1 Yrs	14.4%
1-3 Yrs	36.7%
3-5 Yrs	26.1%
5+ Yrs	22.8%



MARKET VALUE PERFORMANCE SUMMARY AS OF 12/31/221

	3 Мо	1 Yr	3 Yr	5 Yr	10 Yr	Since Inception	Inception Date
SHORT DURATION	1.02	(2, 50)	0.04			1 27	0/1/0010
Galliard (before fees) Bloomberg U.S. 1-3 Yr. Government/Credit	1.03 0.89	(3.58) (3.69)	0.04 (0.32)	-	-	1.37 0.99	6/1/2018
Value Added (before fees) ²	0.89	0.11	0.35			0.38	
INTERMEDIATE DURATION	0.11	0.11	0.00			0.00	
Dodge & Cox (before fees)	2.39	(8.99)	(1.21)	0.85		1.30	3/1/2015
Dodge & Cox (after fees)	2.37	(9.08)	(1.31)	0.75		1.19	0, 1, 20 1 0
Bloomberg U.S. Intermediate Aggregate	1.72	(9.51)	(1.93)	0.31		0.78	
Value Added (before fees) ²	0.67	0.52	0.72	0.54	-	0.52	
Galliard (before fees)	1.81	(9.34)	(1.48)	-	-	0.98	6/1/2018
Bloomberg U.S. Intermediate Aggregate	1.72	(9.51)	(1.93)	-	-	0.54	
Value Added (before fees) ²	0.08	0.16	0.45	-	-	0.43	
Jennison (before fees)	1.78	(8.06)	(0.68)	1.12	-	1.71	10/1/2013 ³
Jennison (after fees)	1.75	(8.15)	(0.78)	1.02	-	1.60	
Bloomberg U.S. Intermediate Govt/Credit	1.54	(8.23)	(1.26)	0.73	-	1.30	
Value Added (before fees) ²	0.24	0.18	0.58	0.39	-	0.41	
Payden & Rygel (before fees)	1.84	(9.10)	(1.37)	0.87	0.98	1.54	7/1/2009
Payden & Rygel (after fees)	1.80	(9.22)	(1.51)	0.74	0.84	1.40	
Bloomberg U.S. Intermediate Aggregate ⁴	1.72	(9.51)	(1.93)	0.51	0.67	1.05	
Value Added (before fees) ²	0.11	0.41	0.55	0.36	0.31	0.49	
PGIM (before fees)	2.06	(9.37)	(1.66)	0.63	-	1.13	2/1/2016
PGIM (after fees)	2.02	(9.49)	(1.79)	0.49	-	0.99	
Bloomberg U.S. Intermediate Aggregate	1.72	(9.51)	(1.93)	0.31	-	0.65	
Value Added (before fees) ²	0.34	0.14	0.27	0.32	-	0.48	
TCW (before fees)	1.50	(8.46)	(0.88)	-	-	1.35	6/1/2018
TCW (after fees)	1.48	(8.55)	(0.97)			1.26	
Bloomberg U.S. Intermediate Govt/Credit	1.54	(8.23)	(1.26)	-	-	1.00	
Value Added (before fees) ²	(0.04)	(0.23)	0.38	-	-	0.35	

^{1:} Returns for periods of less than one year are not annualized. Returns after fees reflect additional investment contract or external management fees. Galliard managed portfolios do not have net returns as fees are charged within the stable value account.

^{4:} Linked Benchmark: Bloomberg U.S. Intermediate Aggregate Bond Index. Prior to June 1, 2018 benchmark was Bloomberg U.S. 1-3 Year Government/Credit Bond Index.



^{2:} May not add due to rounding.

^{3:} Performance inception for the separate account was May 1, 2018. Prior to this date returns are linked to Galliard SA Intermediate Core Fund N.

PERFORMANCE COMMENTARY – EXCESS RETURN

GALLIARD SHORT +14 Q4 2022

- Curve positioning, with an overweight to 3-5 year maturities, added to returns
- An overweight to corporates and security selection in the sector added to relative performance
- · Allocations to ABS and Agency RMBS detracted

DODGE & COX +67 Q4 2022

- The overweight to Corporates and security selection in the sector drove outperformance
- · Within structured products, the impact of security selection in Agency RMBS had a negative impact relative performance
- Shorter benchmark relative duration and yield curve positioning was immaterial to performance

GALLIARD INTERMEDIATE +8 Q4 2022

- Overweight allocation to Corporates drove outperformance
- Curve positioning, with an overweight to intermediate maturities, also added to returns
- Security selection in Agency RMBS hurt relative performance

JENNISON +24 Q4 2022

- · Overweight allocations to Corporates and MBS added to relative performance
- Allocations to Structured products had a mixed impact to performance
- Yield curve positioning slightly added to relative performance

PAYDEN & RYGEL +11 Q4 2022

- The overweight to Corporates and MBS drove outperformance
- Security selection within Corporates hurt relative performance
- Short benchmark relative duration and yield curve positioning contributed negatively to performance

PGIM +34 Q4 2022

- · Overweight allocations to Corporates and MBS added to relative performance
- Security selection in Corporates and CMBS contributed positively to performance
- · Duration and yield curve positioning did not materially impact performance

TCW -4 Q4 2022

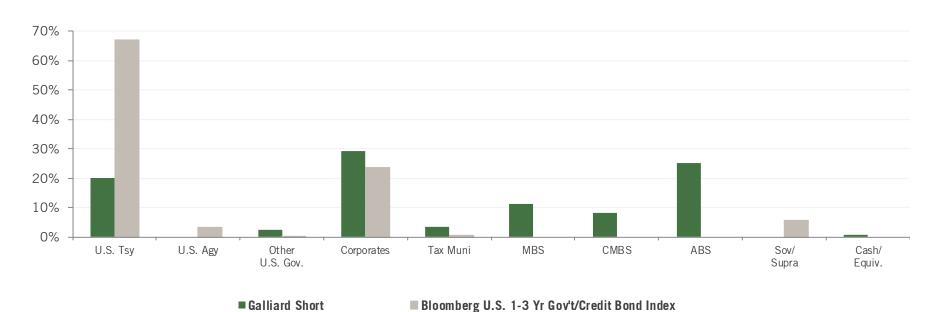
- The out-of-benchmark allocation to MBS contributed positively to performance
- Security selection in MBS was the main detractor of performance
- Long benchmark relative duration and yield curve positioning detracted from relative performance

Before fees.



SHORT DURATION PORTFOLIO AS OF 9/30/22

BLOOMBERG U.S. 1-3 YEAR GOVERNMENT/CREDIT BOND INDEX



Characteristic Galliard Short Bond Index

Weighted Average Quality¹ AA AA

Effective Duration 1.83 Yrs 1.80 Yrs

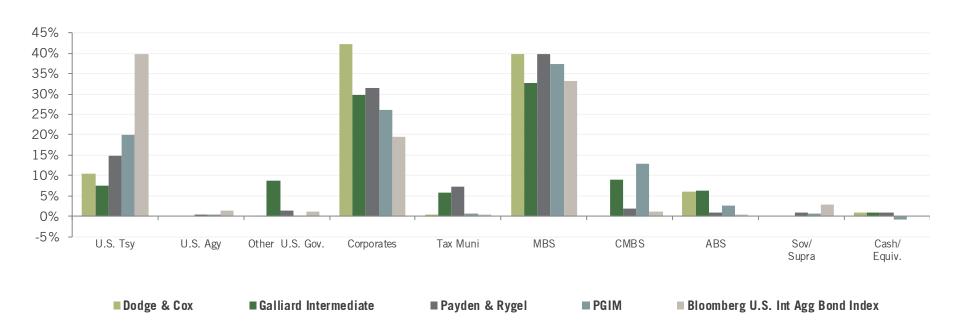
Yield to Maturity 5.15% 4.70%

^{1:} The Weighted Average Quality of the portfolio has NOT been assessed by a nationally recognized statistical rating organization. The Weighted Average Quality shown represents an average quality of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch.



INTERMEDIATE DURATION PORTFOLIOS AS OF 9/30/22

BLOOMBERG U.S. INTERMEDIATE AGGREGATE BOND INDEX



Characteristic	Dodge & Cox	Galliard Intermediate	Payden & Rygel	PGIM	Bloomberg U.S. Int Agg Bond Index
Weighted Average Quality ¹	AA-	AA	AA	AA-	AA+
Effective Duration	4.14 Yrs	4.39 Yrs	4.39 Yrs	4.44 Yrs	4.47 Yrs
Yield to Maturity	5.14%	5.03%	4.94%	5.06%	4.64%

^{1:} The Weighted Average Quality of the portfolio has NOT been assessed by a nationally recognized statistical rating organization. The Weighted Average Quality shown represents an average quality of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch.



INTERMEDIATE DURATION PORTFOLIOS AS OF 9/30/22

BLOOMBERG U.S. INTERMEDIATE GOVERNMENT/CREDIT BOND INDEX



Bloomberg U.S. Int Gov't/Credit Bond **Jennison TCW** Index Characteristic Weighted Average Quality¹ AA AA+AA Effective Duration 3.86 Yrs 4.21 Yrs 3.79 Yrs Yield to Maturity 4.70% 4.93% 4.58%

^{1:} The Weighted Average Quality of the portfolio has NOT been assessed by a nationally recognized statistical rating organization. The Weighted Average Quality shown represents an average quality of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch.

