Galliard
by Allspring

State of North Carolina

DECEMBER 6, 2024

State of North Carolina

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Section I

Who We Are

$82.7 B

TOTAL AUM

$62.5 B

TOTAL STABLE VALUE AUM

80+

STABLE VALUE SEPARATE ACCOUNTS

Galliard is one of the **LARGEST** managers of Stable Value Strategies[1]

188

INSTITUTIONAL CLIENTS

Our average client tenure is **14 years** with Galliard

More than **80** clients have worked with Galliard for over **15 years**

CLIENT TYPES

- Corporate
- Public Entities
- Taft-Hartley
- Operating Funds
- Healthcare
- Insurance Reserves
- Foundations / Endowments

FORTUNE 100 / 500

19 Fortune 100 clients; **44** Fortune 500 clients[2]

29 YEARS

OF EXCLUSIVE FOCUS ON

Fixed Income & Stable Value

Senior Fixed Income Investment Professionals Average Years of Experience:

24 years in investment industry

21 years with Galliard

Allspring

A subsidiary of Allspring Global Investments

Data as of 9/30/2024. **1:** Source: Pensions & Investments, data as of December 31, 2023; Based on total internally managed, U.S. institutional, tax-exempt assets. Assets are managed by Galliard and reported under Allspring Global Investments. **2:** 2023 Fortune 500 edition, clients as of September 30, 2024. **FOR INSTITUTIONAL INVESTOR USE ONLY.**

Galliard Team

REPORT TO GALLIARD

EXECUTIVE MANAGEMENT

Mike Norman
President & Senior Managing Principal

Ajay Mirza, CFA
Senior Managing Principal

FIXED INCOME INVESTMENT

Credit

Brandon Kanz, CFA
Senior Principal
Sector Head

Rene Hoogmoed, CFA
Senior Principal

Matt Bentley
Principal

Chad Callahan
Principal

Robert Barrett, CFA
Senior Director

John Kenley, CFA
Senior Director

Will Moeller, CFA
Director

Structured Product

Ajay Mirza, CFA
Senior Managing Principal
Sector Head

Matt Robertson, CFA
Senior Principal

Mike Meerovich
Director

Tyler Wadsworth, CFA
Associate Director

Jimmie Wu, CFA
Associate Director

David Que, CFA
Senior Associate

Sanhakorn Rattanacheeworn
Senior Associate

Portfolio

Andrea Johnson, CFA
Senior Principal

Robert Crandall, CFA
Senior Director

Michael Amundsen
Director

Elizabeth Smithley
Associate Director

RELATIONSHIP MANAGEMENT

Tami Pearse
Principal

Paul Langanki, CFA
Senior Director

Alesha McAdams
Senior Director

Steve Moen
Senior Director

Conor Murphy, CFA
Senior Director

Pete Schmit, CFA
Senior Director

Jordan Bewley
Director

Ryan Olsen
Director

Linh Buoen
Associate Director

CLIENT SUPPORT

Jennifer Hopper, CFA
Associate Director

Zoë Garrison
Associate

Stable Value

Timothy Noel
Associate Director
Lead

Derek Schmidt
Associate

Bre Richie
Associate

Fixed Income

Steve Patterson
Associate
Lead

Luke Olson
Senior Associate

STABLE VALUE STRATEGY/ CONTRACT

Nick Gage, CFA
Senior Principal

Christina Burton
Director

Kathryn Taguinod
Associate

Kendra Marquez
Associate

COMMUNICATIONS & RFP

Jacqueline Becker
Senior Associate

Shanna Ellefson
Associate Director

Kelly Lassi
Associate Director

REPORT TO ALLSPRING

LEGAL/COMPLIANCE ~ 120 Members

- Legal: Paula Novick
- Firm Compliance: Team of 2 dedicated to Galliard - led by Paul Felsch (CCO)
- Investment Compliance: Team of 3 dedicated to Galliard - led by Mike Danen

OPERATIONS ~ 230 Members

- Fixed Income: Team of 6 dedicated to Galliard - led by Shannon Brown
- Stable Value: Team of 11 dedicated to Galliard - led by Carmen Rangel
- Trade Settlements: Team of 4 dedicated to Galliard - led by Andrew Moore
- Client Reporting: Team of 6 dedicated to Galliard - led by Jen Miller
- Additional Ops Support*: Team of 8 dedicated to Galliard

TECHNOLOGY ~ 185 Members

- Team of 8 dedicated to Galliard - led by Chris Smith & Charlie Head

OTHER SERVICES PROVIDED BY ALLSPRING

- Human Resources • Finance •
- Risk Management/Internal Audit •

As of 9/30/2024.
*Additional operational support with Galliard-dedicated employees include fees, fund services, & performance analysis.
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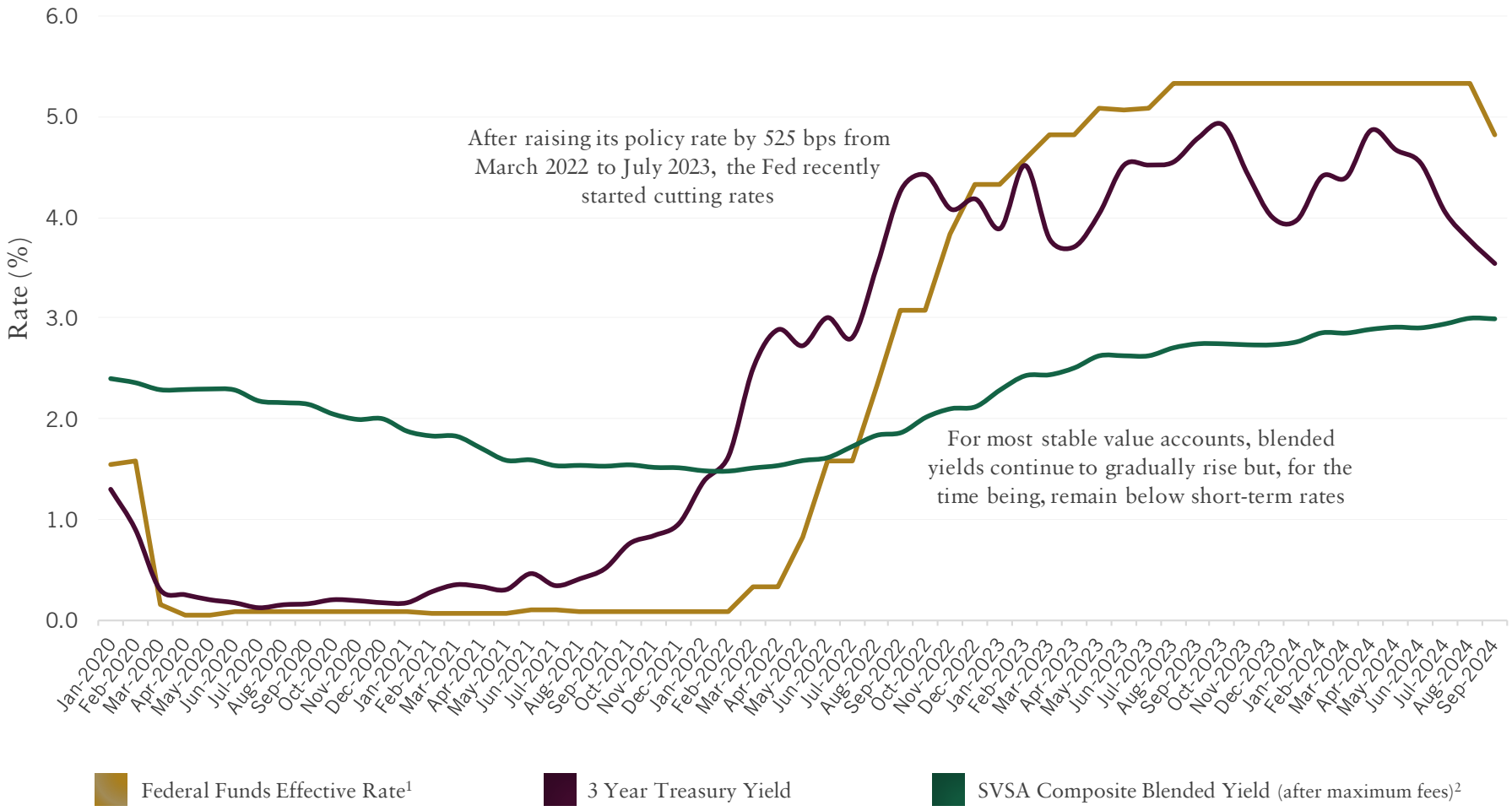
Section II

Historical Rates as of September 30, 2024

Despite volatility in the market over the past three years and a backdrop of higher interest rates, stable value crediting rates have continued to deliver positive total returns to participants. Blended yields are trending higher as they follow the general direction of interest rates but with a lag.



1: Federal Funds Effective Rate sourced from the Federal Reserve. Rates are not annualized. **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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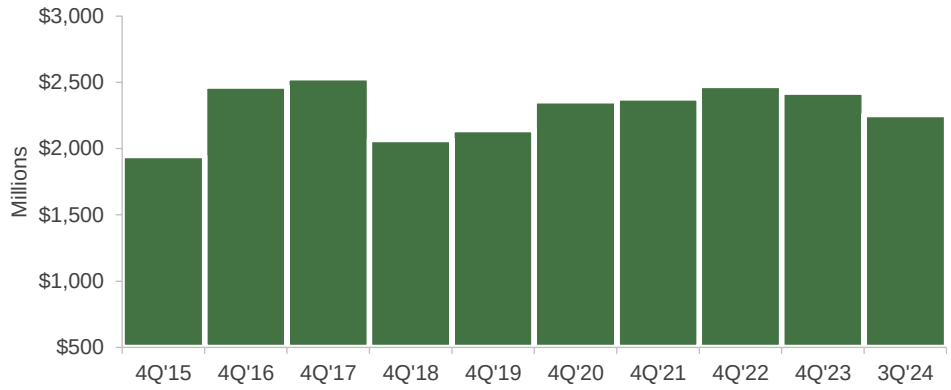
Portfolio Characteristics – As of September 30, 2024

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	$2,256,182,337

HISTORICAL FUND ASSETS



PORTFOLIO CHARACTERISTICS

	Portfolio 6/30/24	Portfolio 9/30/24
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]	3.08%	3.05%
Yield to Maturity	5.26%	4.38%
Effective Duration	3.31 years	3.31 years
Market/Book Value Ratio	93.87%	96.78%

PORTFOLIO DISTRIBUTION

	% Portfolio 6/30/24	% Portfolio 9/30/24
Liquidity Buffer: Cash & Equivalents[4]	1.3	2.0
Short Portfolio	35.1	34.5
Intermediate Portfolio	63.7	63.5
Total	**100.0%[5]**	**100.0%[5]**

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. **5:** Total % of portfolio may not add to 100% due to rounding.

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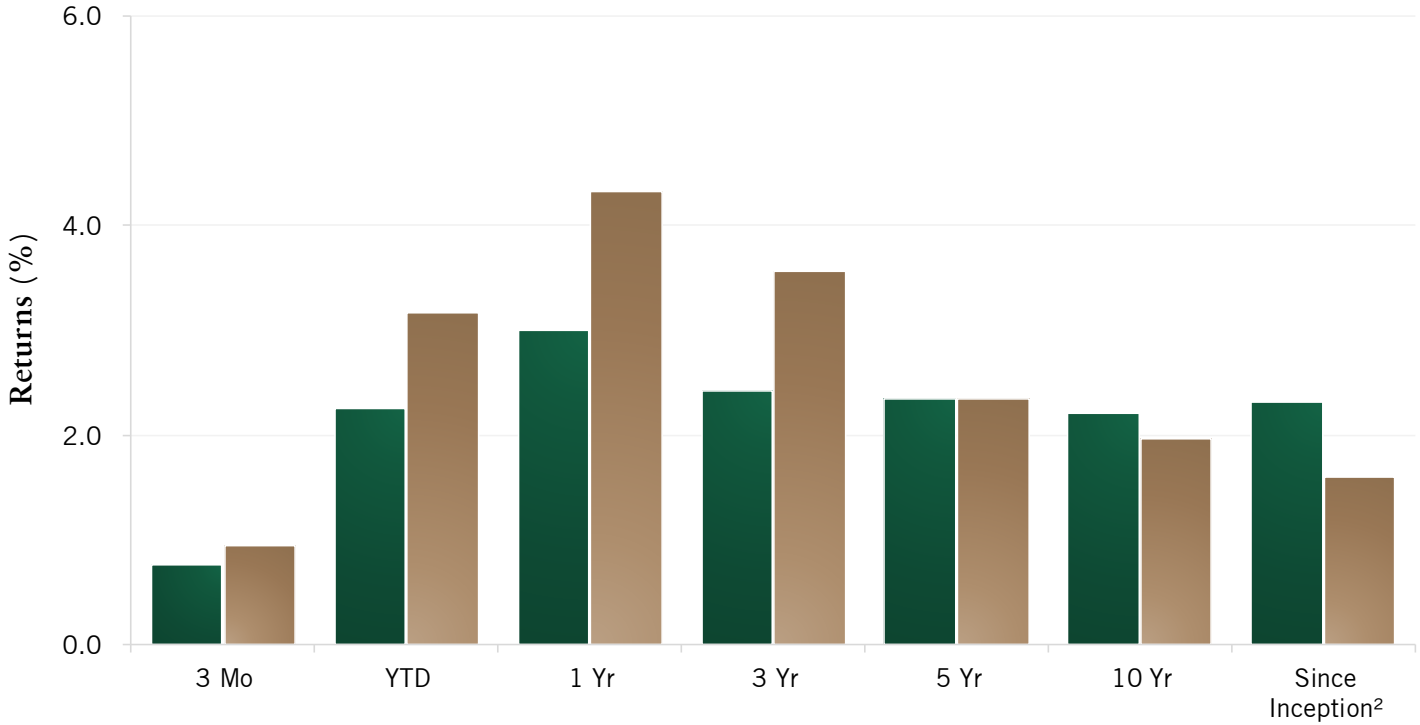
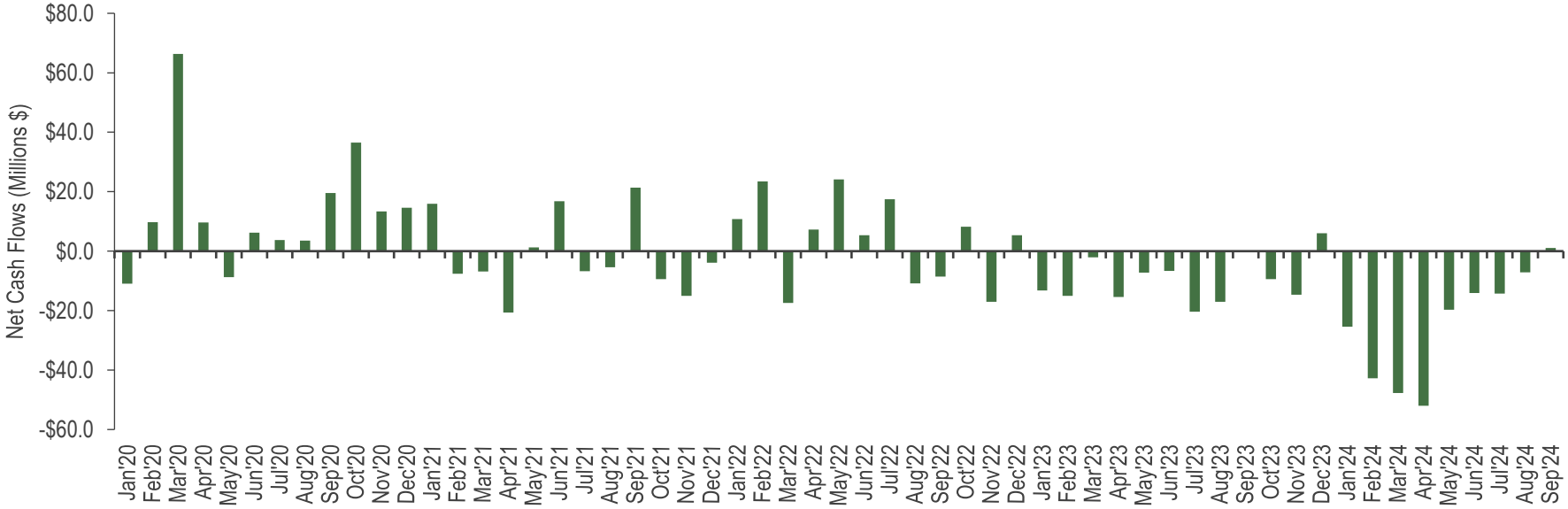
Annualized Investment Performance – As of September 30, 2024[1]



	3 Mo	YTD	1 Yr	3 Yr	5 Yr	10 Yr	Since Inception[2]
State of North Carolina Stable Value Fund (net of all fees - NAV level)[3]	0.76	2.26	3.00	2.42	2.34	2.21	2.31
3 Year Constant Maturity Treasury Yield	0.95	3.17	4.33	3.57	2.35	1.97	1.60
Ice BofA U.S. 3-Month Treasury Bill Index + 150 bps	1.75	5.20	7.04	5.05	3.86	3.18	2.74
Value Added (net of all fees - NAV level)[4]	**(0.19)**	**(0.91)**	**(1.34)**	**(1.15)**	**(0.01)**	**0.23**	**0.71**

1: Returns for periods of less than one year are not annualized. **2:** Returns are 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. **3:** Performance inception: December 01, 2010. **4:** May not add due to rounding.
Past performance is not an indication of how the investment will perform in the future. FOR INSTITUTIONAL INVESTOR USE ONLY.

Historical Cashflows



	2020	2021	2022	2023	1Q'24	2Q'24	3Q'24	2024 YTD
Beginning Assets	$2,143.4	$2,360.5	$2,382.4	$2,475.9	$2,426.5	$2,328.0	$2,259.3	$2,426.5
Net Cash Flow ($)[1]	$163.5	-$20.3	$48.1	-$115.4	-$115.9	-$85.8	-$20.3	-$222.0
Net Cash Flow (%)	7.63%	-0.86%	2.02%	-4.66%	-4.78%	-3.68%	-0.90%	-9.15%
Estimated Investment Earnings	$53.5	$42.2	$45.4	$66.0	$17.4	$17.2	$17.1	$51.7
Ending Assets[2]	$2,360.5	$2,382.4	$2,475.9	$2,426.5	$2,328.0	$2,259.3	$2,256.2	$2,256.2

1: Contributions, Withdrawals and Investment Transfers. **2:** Cashflows may not net to final assets due to rounding.

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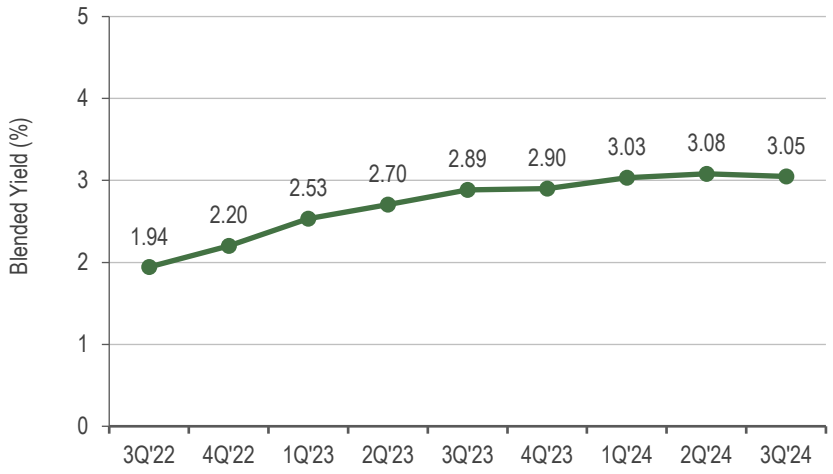
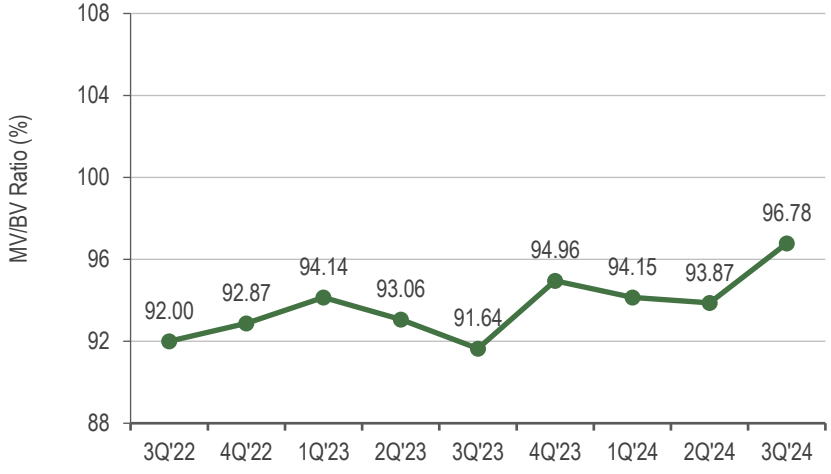
Historical Statistics

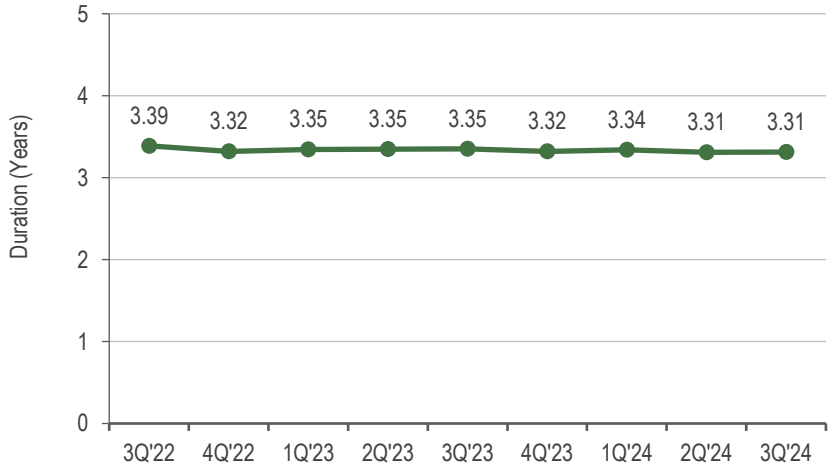
HISTORICAL BLENDED YIELD[1]



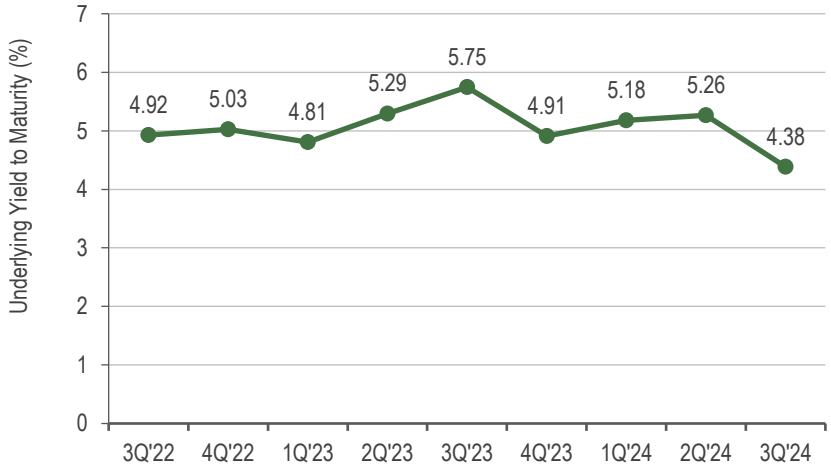
HISTORICAL MARKET VALUE TO BOOK VALUE RATIO



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.

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Contract Issuers

CONTRACT ISSUER DISTRIBUTION & RATING SUMMARY[1]

	Contract Type[2]	% Portfolio 6/30/24	% Portfolio 9/30/24	Rating 6/30/24	Rating 9/30/24	Wrap fees (bps) 6/30/24	Wrap fees (bps) 9/30/24
American General Life Ins. Co.	SBIC	19.7	19.6	A+	A+	15	15
Metropolitan Tower Life Ins. Co.	SBIC	10.4	17.3	AA-	AA-	15	15
Nationwide Life Ins. Co.	SBIC	20.5	20.4	A+	A+	15	15
Prudential Ins. Co. of America	SBIC	24.9	21.7	AA-	AA-	15	15
Transamerica Life Ins. Co.	SBIC	23.2	19.1	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.

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Contract Issuer Credit Underwriting

CREDIT WORKING GROUP - **Approves and oversees creditworthiness of all contract issuers**

- Includes analysts, traders, and portfolio managers from Galliard's Credit Sector and Structure Sector Teams

ISSUER CREDIT REVIEW PROCESS

- Fundamental analysis designed to facilitate **early detection** and **avoidance** of **problematic credits**
- Maintains credit opinion for each approved issuer and an approved list of issuers
  - Monthly reviews of issuer credit quality and exposures; oversees issuer due diligence and formal credit reviews

SAMPLE CREDIT REVIEW

GALLIARD
Capital Management, LLC

Write-up: ISSUER XYZ
Sector: CORP-FIN-INS-GIC

FI Rec: IG1 **Ratings: Aaa/AA+/AAA**
SV Rec: Approved

ISSUER XYZ (XYZ A3/A-/A- S/S/S) is one of the largest inst
operates a moderate sized asset management group. We are ex

Analyst View		Ratings						Universe
Capitalization	Poor	Year	2018	2019	2020	2021	2022	2022
Product Diversity	Good	Moody's	Aa3	Aa3	Aa3	Aa3	Aa3	A1
Product Risk	Good	S&P	AA-	AA-	AA-	AA-	AA-	AA-
Scale	Good	Fitch	AA-	AA-	AA-	AA-	AA-	AA-
Investment Risk	Good	ALIRT	AA	AA	AA+	AA+	AA+	AA-
Overall	Good	Composite	AA-	AA-	AA-	AA-	AA-	AA-

Lines of Business	By Premiums					Universe - Average
Year	2018	2019	2020	2021	2022	2022
Individual Life	3%	10%	4%	5%	11%	18%
Individual Annuities	1%	1%	1%	1%	0%	16%
Group Life, A&H	49%	107%	55%	70%	48%	7%
Group Annuities	45%	79%	41%	24%	40%	47%
Other	3%	3%	0%	0%	0%	7%

Lines of Business	By Reserves					Universe - Average
Year	2018	2019	2020	2021	2022	2022
Individual Life	32%	33%	33%	33%	33%	35%
Individual Annuities	10%	10%	10%	9%	9%	23%
Group Life, A&H	14%	23%	24%	25%	26%	6%
Group Annuities	35%	34%	33%	33%	32%	36%
Other	9%	0%	0%	0%	0%	0%

Investment Exposure (Excludes Affiliates)	Universe - Average

ALIRT Sc	
	201
Unit	3
Universe (Avg)	5
Index	5

Ri	
	201
Unit	355
Universe - Median	451

Pu	
	201
Unit	5.9
Universe - Median	9.3

Su	
	201
Unit	14,153
Universe (Avg)	6,521
%Notes	10
Universe (Avg)	10

Genera

Holdings

Asset ID	Security Description	Manager	Book Value ($)	Market Value ($)	Market/Book Value Ratio (%)	% of Portfolio	Crediting Rate (%)[1]	UCA Yield (%)	Effective Duration (yrs)	Galliard Composite Rating	Wrap Fees (bps)
LIQUIDITY BUFFER											
	Cash Receivable / (Payable)		-1,461,737	-1,461,737	100.0	-0.1	5.06	5.06	0.10	AAA	
01988T803	Short-Term Investment Fund II		45,993,633	45,993,633	100.0	2.0	5.06	5.06	0.10	AAA	
TOTAL LIQUIDITY BUFFER			44,531,896	44,531,896	100.0	2.0	5.06	5.06	0.10	AAA	
SHORT PORTFOLIO											
946996EE1	American General Life Ins. Co.	Galliard	155,126,743	149,992,010	96.7	6.9	3.18	4.45	1.87	A+	15.0
589899J61	Metropolitan Tower Life Ins. Co.	Galliard	137,838,823	132,638,793	96.2	6.1	2.78	4.45	1.87	AA-	15.0
896994GW4	Nationwide Life Ins. Co.	Galliard	161,457,973	155,859,139	96.5	7.2	3.07	4.45	1.87	A+	15.0
744999CV3	Prudential Ins. Co. of America	Galliard	172,087,548	167,259,724	97.2	7.6	3.29	4.45	1.87	AA-	15.0
600996QF2	Transamerica Life Ins. Co.	Galliard	151,408,959	146,594,252	96.8	6.7	3.22	4.45	1.87	A+	15.0
TOTAL SHORT PORTFOLIO			777,920,047	752,343,917	96.7	34.5	3.12	4.45	1.87	A+	
INTERMEDIATE PORTFOLIO											
946996EE1	American General Life Ins. Co.	Dodge & Cox	46,714,122	45,167,873	96.7	2.1	3.18	4.60	4.35	A+	15.0
946996EE1	American General Life Ins. Co.	Galliard	64,961,941	62,811,685	96.7	2.9	3.18	4.51	4.16	A+	15.0
946996EE1	American General Life Ins. Co.	Jennison Assoc.	43,604,664	42,161,339	96.7	1.9	3.18	4.06	3.81	A+	15.0
946996EE1	American General Life Ins. Co.	Payden & Rygel	43,446,044	42,007,970	96.7	1.9	3.18	4.44	4.38	A+	15.0
946996EE1	American General Life Ins. Co.	PGIM	44,107,509	42,647,540	96.7	2.0	3.18	4.36	4.28	A+	15.0
946996EE1	American General Life Ins. Co.	TCW	43,439,481	42,001,624	96.7	1.9	3.18	3.86	4.22	A+	15.0
589899J61	Metropolitan Tower Life Ins. Co.	Dodge & Cox	39,634,455	38,139,228	96.2	1.8	2.78	4.60	4.35	AA-	15.0
589899J61	Metropolitan Tower Life Ins. Co.	Jennison Assoc.	38,746,211	37,284,493	96.2	1.7	2.78	4.06	3.81	AA-	15.0
589899J61	Metropolitan Tower Life Ins. Co.	Galliard	57,407,345	55,241,627	96.2	2.5	2.78	4.51	4.16	AA-	15.0
589899J61	Metropolitan Tower Life Ins. Co.	Payden & Rygel	38,598,273	37,142,136	96.2	1.7	2.78	4.44	4.38	AA-	15.0

1: Crediting rates are net of wrap fees and any other fees being netted out of the rates.

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Holdings

Asset ID	Security Description	Manager	Book Value ($)	Market Value ($)	Market/Book Value Ratio (%)	% of Portfolio	Crediting Rate (%)[1]	UCA Yield (%)	Effective Duration (yrs)	Galliard Composite Rating	Wrap Fees (bps)
589899J61	Metropolitan Tower Life Ins. Co.	PGIM	39,513,949	38,023,268	96.2	1.8	2.78	4.36	4.28	AA-	15.0
589899J61	Metropolitan Tower Life Ins. Co.	TCW	38,598,744	37,142,589	96.2	1.7	2.78	3.86	4.22	AA-	15.0
896994GW4	Nationwide Life Ins. Co.	Jennison Assoc.	45,389,371	43,815,416	96.5	2.0	3.07	4.06	3.81	A+	15.0
896994GW4	Nationwide Life Ins. Co.	TCW	45,215,588	43,647,659	96.5	2.0	3.07	3.86	4.22	A+	15.0
896994GW4	Nationwide Life Ins. Co.	Dodge & Cox	48,623,878	46,937,761	96.5	2.2	3.07	4.60	4.35	A+	15.0
896994GW4	Nationwide Life Ins. Co.	Galliard	66,870,045	64,551,210	96.5	3.0	3.07	4.51	4.16	A+	15.0
896994GW4	Nationwide Life Ins. Co.	Payden & Rygel	45,207,876	43,640,214	96.5	2.0	3.07	4.44	4.38	A+	15.0
896994GW4	Nationwide Life Ins. Co.	PGIM	46,657,844	45,039,902	96.5	2.1	3.07	4.36	4.28	A+	15.0
744999CV3	Prudential Ins. Co. of America	Payden & Rygel	48,186,080	46,834,246	97.2	2.1	3.29	4.44	4.38	AA-	15.0
744999CV3	Prudential Ins. Co. of America	TCW	48,175,285	46,823,753	97.2	2.1	3.29	3.86	4.22	AA-	15.0
744999CV3	Prudential Ins. Co. of America	Dodge & Cox	51,826,084	50,372,131	97.2	2.3	3.29	4.60	4.35	AA-	15.0
744999CV3	Prudential Ins. Co. of America	Galliard	71,730,120	69,717,770	97.2	3.2	3.29	4.51	4.16	AA-	15.0
744999CV3	Prudential Ins. Co. of America	Jennison Assoc.	48,383,896	47,026,512	97.2	2.1	3.29	4.06	3.81	AA-	15.0
744999CV3	Prudential Ins. Co. of America	PGIM	49,278,835	47,896,344	97.2	2.2	3.29	4.36	4.28	AA-	15.0
600996QF2	Transamerica Life Ins. Co.	Jennison Assoc.	42,564,788	41,211,256	96.8	1.9	3.22	4.06	3.81	A+	15.0
600996QF2	Transamerica Life Ins. Co.	PGIM	43,426,086	42,045,165	96.8	1.9	3.22	4.36	4.28	A+	15.0
600996QF2	Transamerica Life Ins. Co.	Dodge & Cox	45,593,858	44,144,003	96.8	2.0	3.22	4.60	4.35	A+	15.0
600996QF2	Transamerica Life Ins. Co.	Galliard	63,024,552	61,020,412	96.8	2.8	3.22	4.51	4.16	A+	15.0
600996QF2	Transamerica Life Ins. Co.	Payden & Rygel	42,397,620	41,049,404	96.8	1.9	3.22	4.44	4.38	A+	15.0
600996QF2	Transamerica Life Ins. Co.	TCW	42,405,851	41,057,372	96.8	1.9	3.22	3.86	4.22	A+	15.0
TOTAL INTERMEDIATE PORTFOLIO			1,433,730,395	1,386,601,900	96.7	63.5	3.12	4.32	4.20	A+	
TOTAL PORTFOLIO			**2,256,182,337**	**2,183,477,713**	**96.8**	**100.0**	**3.16**	**4.38**	**3.31**	**A+**	

1: Crediting rates are net of wrap fees and any other fees being netted out of the rates.

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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 6/30/24	Expense Ratio 9/30/24
Investment Management Fees paid to Galliard	0.055%	0.055%
Investment Management fees paid to Non-Affiliated Investment Advisors	0.057%	0.054%
Investment Contract Fees[1]	0.148%	0.147%
Acquired Fund Fees[2]	0.001%	0.002%
-Investment Contract Fees	None	None
-Other Acquired Fund Fees and Non-Affiliated Investment Management Fees paid to Non-Affiliated Investment Advisors[3]	0.001%	0.002%
12b-1 Distribution Fee	None	None
Other Expenses	0.002%	0.002%
Total Annual Fund Operating Expenses[4]	**0.263%**	**0.259%**

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:** 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.
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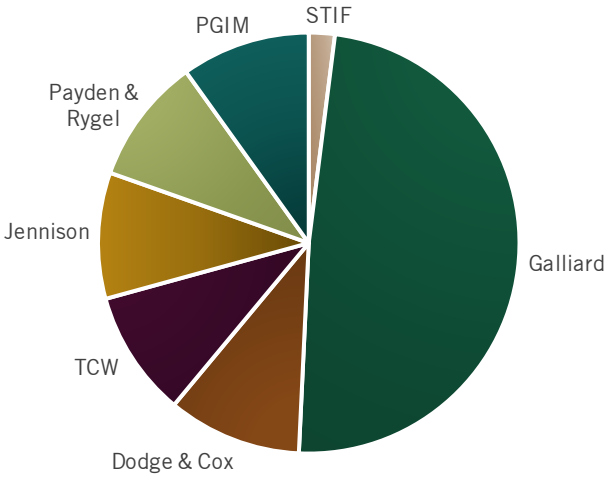
Section III

External Manager Styles Summarized

	Investment Approach	Sector Rotation	Active Duration/ Yield Curve Mgmt.	Issue Selection	Sector Emphasis
GALLIARD	Bottom Up / Top Down	Low / High	Low / High	Less Important / More Important	Diversified high quality spread sector emphasis, multi-sector relative value
DODGE & COX	Bottom Up / Top Down	Low / High	Low / High	Less Important / More Important	Corporate credit, Agency MBS
JENNISON	Bottom Up / Top Down	Low / High	Low / High	Less Important / More Important	Credit, yield-curve positioning
PAYDEN & RYGEL	Bottom Up / Top Down	Low / High	Low / High	Less Important / More Important	Corporate credit, structured credit, multi-sector relative value
PGIM	Bottom Up / Top Down	Low / High	Low / High	Less Important / More Important	Multi-sector relative value, Agency MBS, global focus
TCW	Bottom Up / Top Down	Low / High	Low / High	Less Important / More Important	Duration, multi-sector relative value

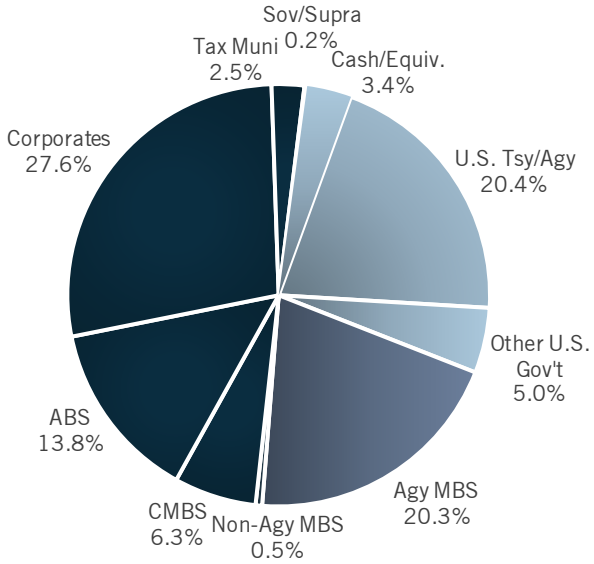
Portfolio – As of September 30, 2024

MANAGER ALLOCATION



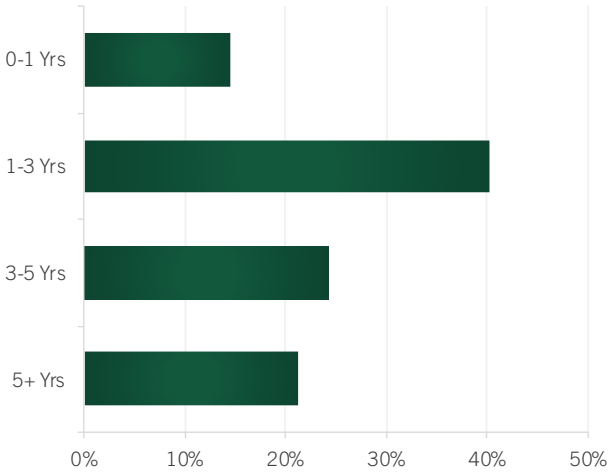
STIF	2.0%
Galliard	48.8%
Dodge & Cox	10.3%
TCW	9.7%
Jennison	9.7%
Payden & Rygel	9.7%
PGIM	9.9%
Total Ext. Manager	**49.3%**
Total Portfolio	**100.1%**

UNDERLYING FIXED INCOME SECTOR ALLOCATION



U.S. Tsy/Agy	20.4%
Other U.S. Gov't	5.0%
Agy MBS	20.3%
Non-Agy MBS	0.5%
CMBS	6.3%
ABS	13.8%
Corporates	27.6%
Tax Muni	2.5%
Sov/Supra	0.2%
Cash/Equiv.	3.4%

UNDERLYING DURATION DISTRIBUTION



0-1 Yrs	14.4%
1-3 Yrs	40.2%
3-5 Yrs	24.2%
5+ Yrs	21.2%

Past performance is not an indication of how the investment will perform in the future. FOR INSTITUTIONAL INVESTOR USE ONLY.

Performance Commentary – Excess Return

Galliard Short (+7 Q3 2024)

- Overweight to the spreads sectors proved beneficial
- Security selection in corporates also added to returns
- Yield curve positioning detracted

Galliard Intermediate (+19 Q3 2024)

- Overweight to the spreads sectors proved beneficial
- Security selection in Agency RMBS was also helpful
- Yield curve positioning detracted

Dodge & Cox (+7 Q3 2024)

- The overweight to Corporates contributed positively to relative performance
- The overweight to Agency MBS and security selection in the sector also benefited relative performance
- The overweight to ABS marginally detracted
- Yield curve positioning hurt relative performance over the quarter

Jennison (+2 Q3 2024)

- The overweight to Corporates, particularly within Financials, added marginally to relative performance while the impact of security selection slightly detracted
- The portfolio's out-of-benchmark allocation to Agency MBS and ABS detracted from relative performance

Payden & Rygel (+7 Q3 2024)

- The portfolio's overweight to Corporates contributed positively to relative performance while the impact of security selection detracted
- The overweight to Agency MBS and security selection in the sector added
- While the portfolio's neutral duration profile did not significantly impact performance, yield curve positioning detracted over the quarter

PGIM (+11 Q3 2024)

- The overweight to Agency MBS and CMBS contributed positively to relative performance
- Security selection within Agency MBS also marginally added
- The impact of security selection within Corporates slightly hurt relative performance over the quarter

TCW (+28 Q3 2024)

- Long benchmark relative duration positioning was the primary driver of relative performance
- The underweight to Corporates detracted from relative performance while security selection within the sector benefited
- The out-of-benchmark allocation to Agency MBS was beneficial

Before fees. **FOR INSTITUTIONAL INVESTOR USE ONLY.**

Underlying Fixed Income Portfolio – Galliard Short

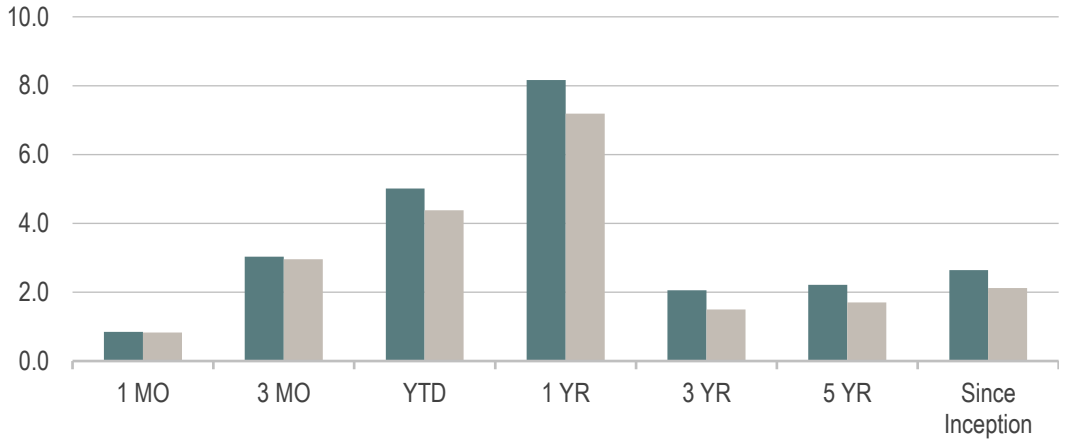
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA	AA
Yield to Maturity	4.45%	3.88%
Weighted Average Maturity	2.25 Yrs	1.88 Yrs
Effective Duration	1.87 Yrs	1.78 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	14.3%	69.3%
U.S. Agency	0.0%	2.0%
Other U.S. Government	7.2%	<0.1%
Corporates	26.1%	24.0%
Taxable Muni/Not for Profit	2.9%	0.4%
Agency MBS	9.0%	0.0%
Non-Agency MBS	0.5%	0.0%
CMBS	9.6%	0.0%
Asset Backed	29.8%	0.0%
Sovereign / Supranationals	0.0%	4.1%
Cash & Equivalents	0.7%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	Since Inception[5]
Portfolio (before fees)	0.85	3.03	5.02	8.16	2.06	2.21	2.64
Benchmark[1]	0.83	2.96	4.38	7.19	1.50	1.70	2.12
Value Added (before fees)[6]	**0.02**	**0.07**	**0.64**	**0.97**	**0.56**	**0.51**	**0.52**

1: Bloomberg U.S. 1-3 Year Government/Credit Bond Index. **2:** 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:** Market value. Total % of portfolio may not add due to rounding. **4:** Returns for periods of less than one year are not annualized. **5:** Performance inception: June 1, 2018. **6:** May not add due to rounding.

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Underlying Fixed Income Portfolio – Dodge & Cox

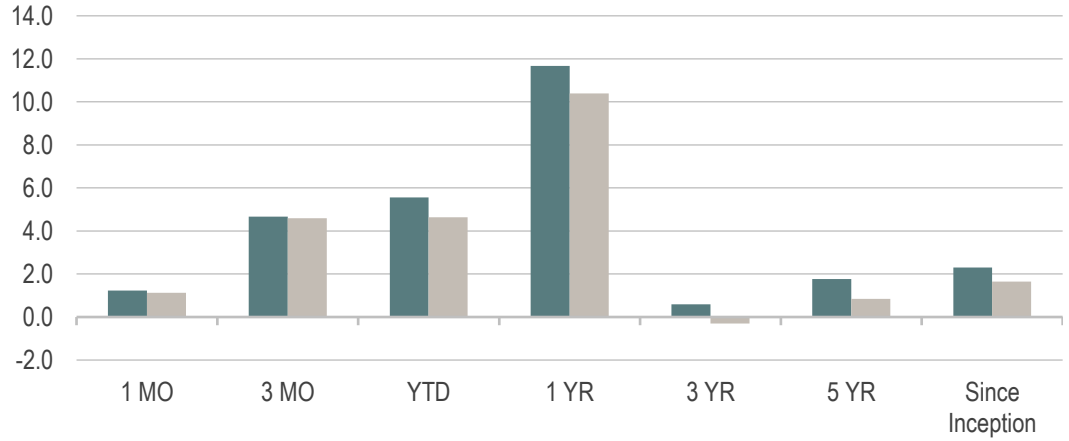
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA-	AA
Yield to Maturity	4.60%	4.13%
Weighted Average Maturity	5.89 Yrs	5.09 Yrs
Effective Duration	4.35 Yrs	4.36 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	10.5%	42.3%
U.S. Agency	0.0%	0.9%
Other U.S. Government	0.0%	1.0%
Corporates	35.6%	19.8%
Taxable Muni/Not for Profit	1.1%	0.5%
Agency MBS	42.2%	31.2%
CMBS	0.0%	0.9%
Asset Backed	9.5%	0.5%
Sovereign / Supranationals	0.0%	2.9%
Cash & Equivalents	1.0%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	Since Inception[5]
Portfolio (before fees)[7]	1.23	4.67	5.56	11.67	0.59	1.76	2.30
Benchmark[1]	1.12	4.60	4.64	10.39	(0.30)	0.85	1.65
Value Added (before fees)[6]	**0.11**	**0.07**	**0.92**	**1.28**	**0.89**	**0.91**	**0.65**

1: Bloomberg U.S. Intermediate Aggregate Bond Index. **2:** 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:** Market value. Total % of portfolio may not add due to rounding. The external managers provide portfolio holdings and the securities are classified using Galliard's analytics methodology for comparability across managers. **4:** Returns for periods of less than one year are not annualized. **5:** Performance inception: March 1, 2015. **6:** May not add due to rounding. **7:** Returns prior to 6/1/23 are linked to the former MetLife Dodge & Cox managed account.

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Underlying Fixed Income Portfolio – Galliard Intermediate

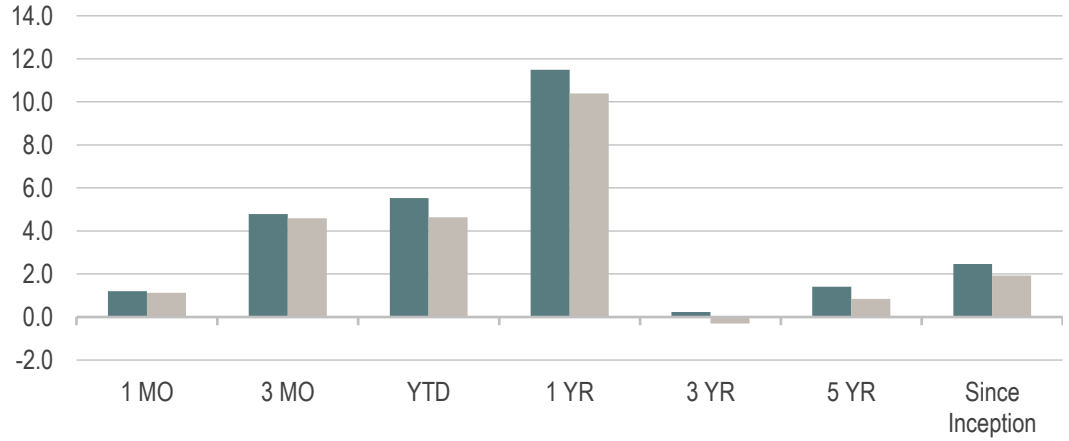
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA	AA
Yield to Maturity	4.51%	4.13%
Weighted Average Maturity	5.41 Yrs	5.09 Yrs
Effective Duration	4.16 Yrs	4.36 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	6.5%	42.3%
U.S. Agency	0.0%	0.9%
Other U.S. Government	15.6%	1.0%
Corporates	24.4%	19.8%
Taxable Muni/Not for Profit	4.6%	0.5%
Agency MBS	31.8%	31.2%
Non-Agency MBS	0.7%	0.0%
CMBS	7.9%	0.9%
Asset Backed	7.4%	0.5%
Sovereign / Supranationals	0.0%	2.9%
Cash & Equivalents	1.3%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	Since Inception[5]
Portfolio (before fees)	1.21	4.78	5.53	11.49	0.23	1.41	2.47
Benchmark[1]	1.12	4.60	4.64	10.39	(0.30)	0.85	1.92
Value Added (before fees)[6]	**0.09**	**0.19**	**0.90**	**1.10**	**0.54**	**0.56**	**0.54**

1: Bloomberg U.S. Intermediate Aggregate Bond Index. 2: 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: Market value. Total % of portfolio may not add due to rounding. 4: Returns for periods of less than one year are not annualized. 5: Performance inception: June 1, 2018. 6: May not add due to rounding.

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Underlying Fixed Income Portfolio – Jennison

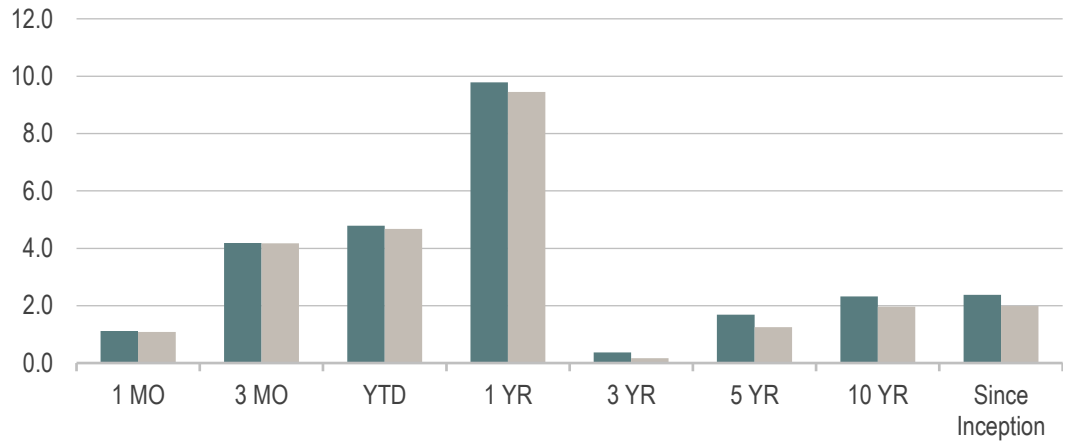
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA	AA-
Yield to Maturity	4.06%	3.93%
Weighted Average Maturity	4.71 Yrs	4.22 Yrs
Effective Duration	3.81 Yrs	3.75 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	48.7%	63.7%
U.S. Agency	0.6%	1.3%
Other U.S. Government	0.0%	0.1%
Corporates	35.6%	29.8%
Taxable Muni/Not for Profit	0.0%	0.7%
Agency MBS	4.1%	0.0%
Non-Agency MBS	0.1%	0.0%
Asset Backed	10.7%	0.0%
Sovereign / Supranationals	0.0%	4.4%
Cash & Equivalents	0.1%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	10 Yr.	Since Inception[5]
Portfolio (before fees)	1.12	4.19	4.78	9.78	0.36	1.69	2.32	2.38
Benchmark[1]	1.08	4.17	4.68	9.45	0.17	1.26	1.96	1.99
Value Added (before fees)[6]	**0.04**	**0.02**	**0.11**	**0.34**	**0.19**	**0.43**	**0.36**	**0.39**

1: Bloomberg U.S. Intermediate Government/Credit Bond Index. **2:** 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:** Market value. Total % of portfolio may not add due to rounding. The external managers provide portfolio holdings and the securities are classified using Galliard's analytics methodology for comparability across managers. **4:** Returns for periods of less than one year are not annualized. **5:** Performance inception: October 1, 2013. Performance inception for the separate account was May 1, 2018. Prior to this date returns are linked to Galliard SA Intermediate Core Fund N (Jennison). **6:** May not add due to rounding.
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Underlying Fixed Income Portfolio – Payden & Rygel

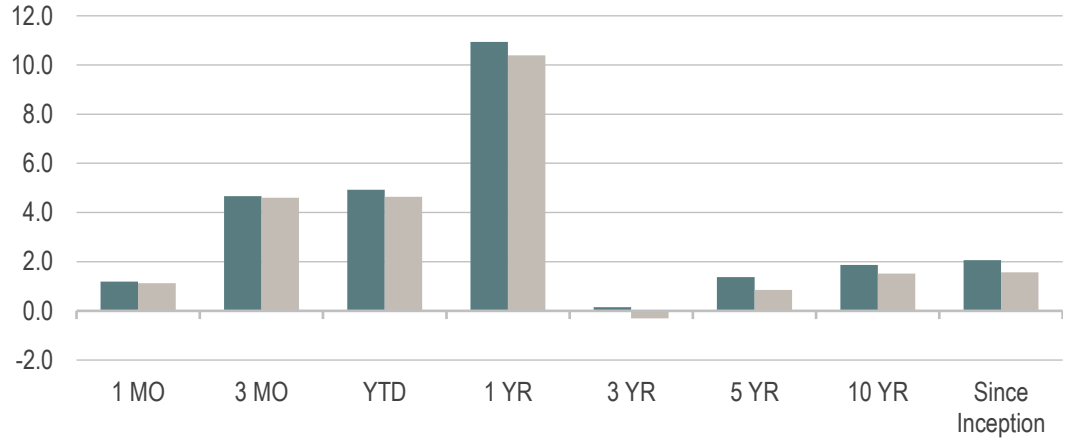
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA-	AA
Yield to Maturity	4.44%	4.13%
Weighted Average Maturity	5.58 Yrs	5.09 Yrs
Effective Duration	4.38 Yrs	4.36 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	17.1%	42.3%
U.S. Agency	0.0%	0.9%
Other U.S. Government	2.4%	1.0%
Corporates	31.8%	19.8%
Taxable Muni/Not for Profit	6.0%	0.5%
Agency MBS	35.3%	31.2%
CMBS	2.9%	0.9%
Asset Backed	0.0%	0.5%
Sovereign / Supranationals	2.2%	2.9%
Cash & Equivalents	2.5%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	10 Yr.	Since Inception[5]
Portfolio (before fees)	1.19	4.67	4.93	10.93	0.16	1.37	1.87	2.06
Linked Benchmark[1]	1.12	4.60	4.64	10.39	(0.30)	0.85	1.52	1.56
Value Added (before fees)[6]	**0.07**	**0.07**	**0.29**	**0.54**	**0.46**	**0.52**	**0.35**	**0.50**

1: 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:** 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:** Market value. Total % of portfolio may not add due to rounding. The external managers provide portfolio holdings and the securities are classified using Galliard's analytics methodology for comparability across managers. **4:** Returns for periods of less than one year are not annualized. **5:** Performance inception: July 1, 2009. **6:** May not add due to rounding.

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Underlying Fixed Income Portfolio – PGIM

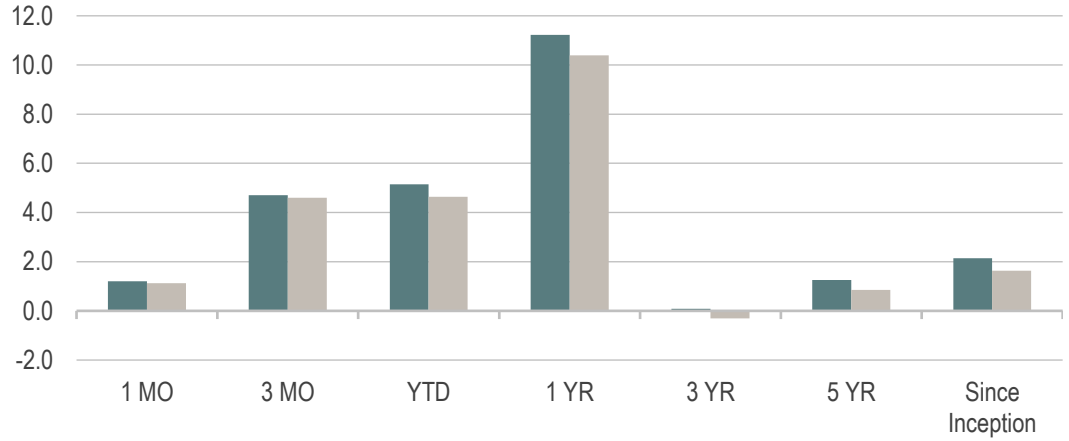
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA-	AA
Yield to Maturity	4.36%	4.13%
Weighted Average Maturity	5.26 Yrs	5.09 Yrs
Effective Duration	4.28 Yrs	4.36 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	18.0%	42.3%
U.S. Agency	0.2%	0.9%
Other U.S. Government	0.2%	1.0%
Corporates	30.3%	19.8%
Taxable Muni/Not for Profit	0.6%	0.5%
Agency MBS	31.0%	31.2%
CMBS	13.3%	0.9%
Asset Backed	3.3%	0.5%
Sovereign / Supranationals	0.1%	2.9%
Cash & Equivalents	3.0%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	Since Inception[5]
Portfolio (before fees)	1.21	4.70	5.15	11.23	0.09	1.25	2.14
Benchmark[1]	1.12	4.60	4.64	10.39	(0.30)	0.85	1.64
Value Added (before fees)[6]	**0.09**	**0.11**	**0.51**	**0.84**	**0.39**	**0.41**	**0.51**

1: Bloomberg U.S. Intermediate Aggregate Bond Index. **2:** 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:** Market value. Total % of portfolio may not add due to rounding. The external managers provide portfolio holdings and the securities are classified using Galliard's analytics methodology for comparability across managers. **4:** Returns for periods of less than one year are not annualized. **5:** Performance inception: February 1, 2016. **6:** May not add due to rounding.

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Underlying Fixed Income Portfolio – TCW

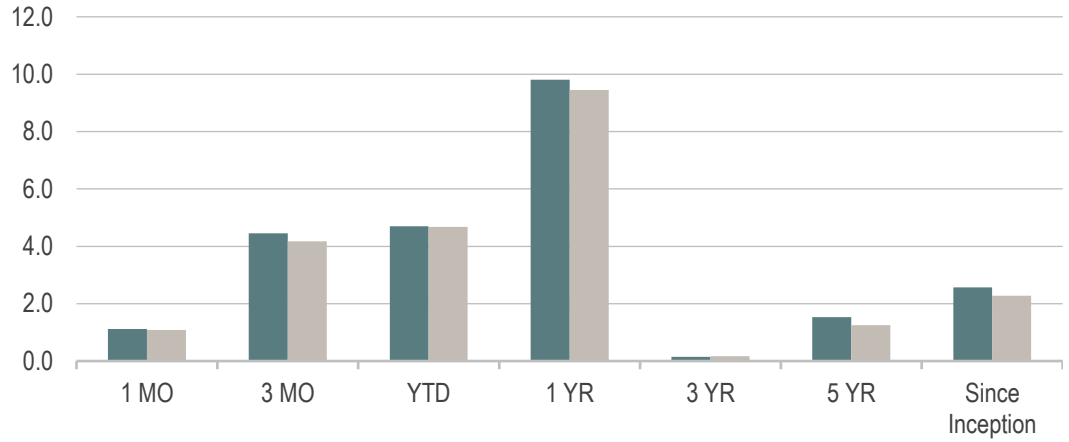
PORTFOLIO CHARACTERISTICS

	Portfolio 9/30/24	Benchmark[1] 9/30/24
Weighted Average Quality[2]	AA	AA-
Yield to Maturity	3.86%	3.93%
Weighted Average Maturity	4.77 Yrs	4.22 Yrs
Effective Duration	4.22 Yrs	3.75 Yrs

SECTOR DISTRIBUTION[3]

	Portfolio 9/30/24	Benchmark[1] 9/30/24
U.S. Treasury	54.6%	63.7%
U.S. Agency	0.0%	1.3%
Other U.S. Government	0.5%	0.1%
Corporates	19.9%	29.8%
Taxable Muni/Not for Profit	0.6%	0.7%
Agency MBS	14.9%	0.0%
Non-Agency MBS	2.9%	0.0%
CMBS	2.5%	0.0%
Asset Backed	0.9%	0.0%
Sovereign / Supranationals	0.0%	4.4%
Cash & Equivalents	3.3%	0.0%
Total	**100.0%[6]**	**100.0%[6]**

ANNUALIZED INVESTMENT PERFORMANCE[4]



	1 Mo.	3 Mo.	YTD	1 Yr.	3 Yr.	5 Yr.	Since Inception[5]
Portfolio (before fees)	1.12	4.45	4.69	9.81	0.15	1.53	2.57
Benchmark[1]	1.08	4.17	4.68	9.45	0.17	1.26	2.27
Value Added (before fees)[6]	**0.04**	**0.28**	**0.02**	**0.36**	**(0.02)**	**0.27**	**0.29**

1: Bloomberg U.S. Intermediate Government/Credit Bond Index. 2: 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: Market value. Total % of portfolio may not add due to rounding. The external managers provide portfolio holdings and the securities are classified using Galliard's analytics methodology for comparability across managers. 4: Returns for periods of less than one year are not annualized. 5: Performance inception: June 1, 2018. 6: May not add due to rounding.

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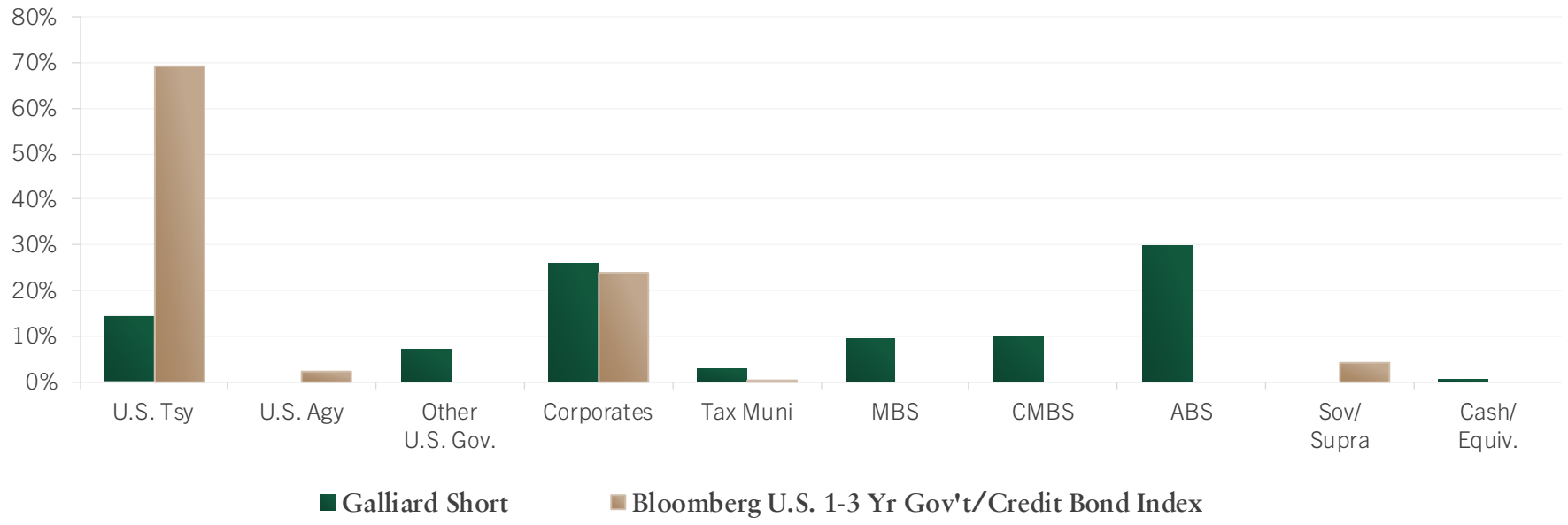
Short Duration Portfolio – As of September 30, 2024

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



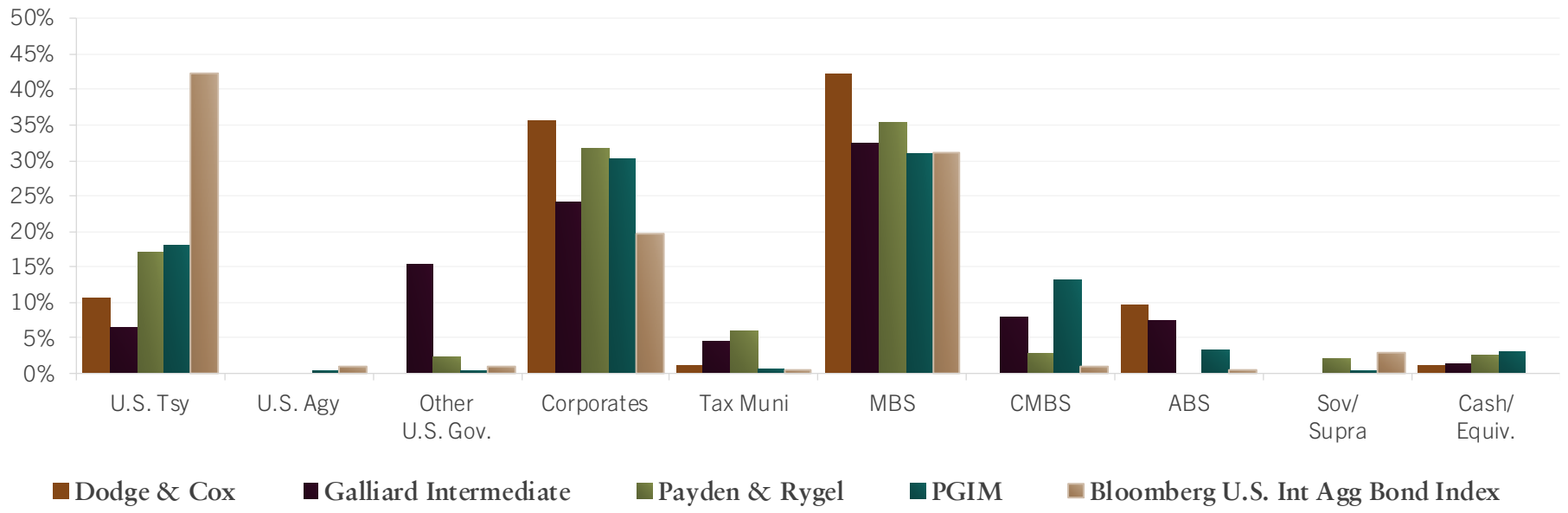
	Galliard Short	Bloomberg U.S. 1-3 Yr Gov't/Credit Bond Index
Weighted Average Quality[1]	AA	AA
Effective Duration	1.87 Yrs	1.78 Yrs
Yield to Maturity	4.45%	3.88%

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.

Past performance is not an indication of how the investment will perform in the future. FOR INSTITUTIONAL INVESTOR USE ONLY.

Intermediate Duration Portfolios – As of September 30, 2024

BLOOMBERG U.S. INTERMEDIATE AGGREGATE BOND INDEX



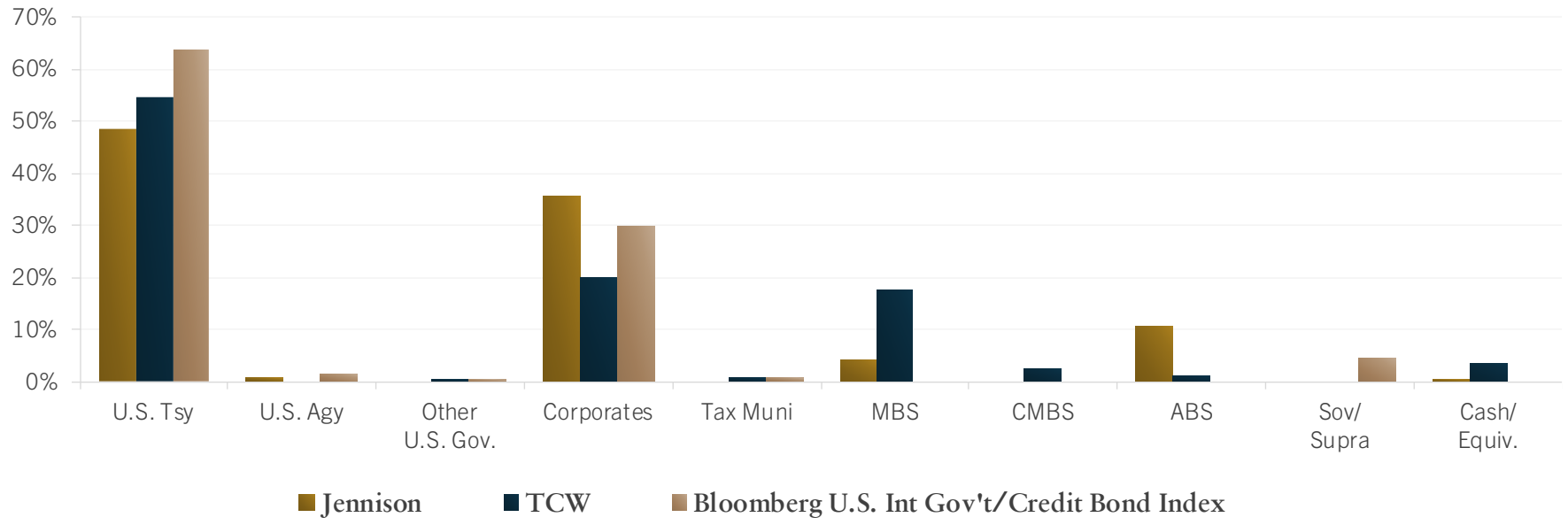
	Dodge & Cox	Galliard Intermediate	Payden & Rygel	PGIM	Bloomberg U.S. Int Agg Bond Index
Weighted Average Quality[1]	AA-	AA	AA-	AA-	AA
Effective Duration	4.35 Yrs	4.16 Yrs	4.38 Yrs	4.28 Yrs	4.36 Yrs
Yield to Maturity	4.60%	4.51%	4.44%	4.36%	4.13%

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.

Past performance is not an indication of how the investment will perform in the future. FOR INSTITUTIONAL INVESTOR USE ONLY.

Intermediate Duration Portfolios – As of September 30, 2024

BLOOMBERG U.S. INTERMEDIATE GOVERNMENT/CREDIT BOND INDEX



	Jennison	TCW	Bloomberg U.S. Int Gov't/Credit Bond Index
Weighted Average Quality[1]	AA	AA	AA-
Effective Duration	3.81 Yrs	4.22 Yrs	3.75 Yrs
Yield to Maturity	4.06%	3.86%	3.93%

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.

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