

**State of North Carolina**

AUGUST 16, 2017

# STATE OF NORTH CAROLINA

## TABLE OF CONTENTS

---

<b>SECTION I:</b>	Galliard Capital Management Firm Update
<b>SECTION II:</b>	State of North Carolina Stable Value Fund Portfolio Review
<b>APPENDIX:</b>	Relationship Milestones & Expense Disclosure

## SECTION I

---

# GALLIARD CAPITAL MANAGEMENT

## WHO WE ARE

### CLIENT ALIGNED STABLE VALUE & FIXED INCOME INVESTMENT SOLUTIONS FOR OVER 20 YEARS

**\$93.1 B**  
TOTAL AUM

**\$81.0 B**  
TOTAL STABLE VALUE AUM  
**115+** stable value separate accounts

**117**  
EMPLOYEES  
ON STAFF

SENIOR PROFESSIONALS AVERAGE  
YEARS OF EXPERIENCE:

Stable value portfolio management team – **23**

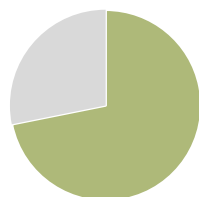
Fixed income team – **19**

Contract management & negotiation team – **22**

STABLE VALUE & FIXED INCOME PRODUCTS • SEPARATE ACCOUNTS • COLLECTIVE FUNDS

**240+**  
INSTITUTIONAL  
CLIENTS

#### CLIENT RELATIONSHIP TENURE



**~75%** of our clients have worked with  
Galliard for greater than **5 years**

**28** of those relationships exceed **15 years**  
with Galliard

#### 2017 NEW BUSINESS

**10** new clients YTD

**\$4.3 B** new assets YTD

**25** Fortune 100 clients

**57** Fortune 500 clients

CLIENT TYPES CORPORATE • FOUNDATIONS/  
ENDOWMENTS • HEALTHCARE • INSURANCE  
RESERVES • OPERATING  
FUNDS • PUBLIC  
ENTITIES • TAFT-  
HARTLEY

## HIGHLIGHTS

Galliard is now a signatory  
to the United Nations-  
supported **Principles for  
Responsible Investment**

Galliard ranked in the **top 10** in  
Pensions & Investments report of  
largest managers of assets held by  
**100 largest corporate DC** plans  
(*The Corporate DC 100: The Largest Money  
Managers*, published March 7, 2016)

Galliard **ranked #2** by total AUM  
in the Pensions & Investments  
rankings of stable value managers

(*Largest Money Managers Report*,  
published May 29, 2017, data as of  
December 31, 2016)

Data as of 6/30/17

## SECTION II

---

# STABLE VALUE PORTFOLIO REVIEW – STATE OF NORTH CAROLINA STABLE VALUE FUND

Second Quarter 2017

## ANNUALIZED INVESTMENT PERFORMANCE\*

Periods Ending June 30, 2017

	<u>1 Mo</u>	<u>3 Mos</u>	<u>YTD</u>	<u>1 Yr</u>	<u>3 Yr</u>	<u>5 Yr</u>	<u>10 Yr</u>	<u>Since Inception**</u>
<b>Book Value Performance</b>								
Portfolio (net of all fees - NAV Level)***	0.17	0.49	0.96	1.97	1.90	2.02	---	2.29
Merrill Lynch 3 Month T-Bill + 100 bps	0.17	0.45	0.81	1.50	1.24	1.18	---	1.16
Merrill Lynch 3 Month T-Bill + 150 bps	0.21	0.58	1.06	2.00	1.75	1.69	2.10	1.67
3 Year Constant Maturity Treasury Yield	0.12	0.37	0.74	1.27	1.09	0.88	1.19	0.82
<b>Market Value Benchmark</b>								
Blended Benchmark****	-0.16	0.67	1.21	0.06	1.52	1.43	3.17	1.81

## CALENDAR YEAR PERFORMANCE

	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
<b>Book Value Performance</b>						
Portfolio (net of all fees - NAV Level)***	1.95	1.87	1.80	2.15	2.75	3.27
Merrill Lynch 3 Month T-Bill + 100 bps	1.33	1.06	1.04	1.08	1.12	1.11
Merrill Lynch 3 Month T-Bill + 150 bps	1.84	1.56	1.55	1.58	1.62	1.61
3 Year Constant Maturity Treasury Yield	1.01	1.03	0.90	0.54	0.38	0.75

## Market Value Benchmark

Blended Benchmark****	1.60	0.93	2.69	-0.41	2.52	4.05
-----------------------	------	------	------	-------	------	------

## Market Indices

Merrill Lynch 3 Month T-Bill	0.33	0.05	0.03	0.07	0.11	0.10
Consumer Price Index	2.07	0.73	0.76	1.51	1.74	2.96

\*Returns for periods of less than one year are not annualized.

\*\*Galliard's management of this portfolio began December 1, 2010. Periods that exceed Galliard's tenure with the portfolio include Galliard performance linked with historical portfolio returns.

\*\*\*Returns are net of all fees, including plan administrative reimbursement.

\*\*\*\*10% BofAML 3 Month U.S. T-Bills, 30% Bloomberg Barclays 1-3 Yr U.S. Govt/Credit, 60% Bloomberg Barclays Intermediate U.S. Aggregate. This blended market value benchmark approximates the asset allocation target for the State of North Carolina Stable Value Fund. It is important to note that fundamental differences arise when comparing book value performance to a market index, especially when comparing performance for periods shorter than 10 years. Market value indices immediately reflect the gains/(loses) resulting from changing market interest rates while book value performance amortizes these gains/(losses).

# STATE OF NORTH CAROLINA STABLE VALUE FUND – MARKET VALUE COMPOSITE RETURNS

Second Quarter 2017

## MARKET VALUE RETURNS

PERIODS ENDING JUNE 30, 2017

	<u>1 Mos*</u>	<u>3 Mos*</u>	<u>1 Yr</u>	<u>3 Yr</u>	<u>5 Yr</u>
Portfolio Market Value (Gross Return)	(0.08)	0.82	0.68	1.87	1.73
Portfolio Market Value (Net Return)	(0.08)	0.80	0.61	1.79	1.64
Benchmark Market Value (Total Return)**	(0.17)	0.64	(0.12)	1.48	1.36

## CALENDAR YEAR PERFORMANCE

	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>
Portfolio Market Value (Gross Return)	2.10	1.19	2.98	-0.62	3.60
Portfolio Market Value (Net Return)	2.02	1.11	2.90	-0.72	3.53
Benchmark Market Value (Total Return)	1.49	0.95	2.66	-0.51	2.39

\*Returns for periods less than one year are not annualized.

\*\*The Blended Benchmark is a composite of each fund component's respective benchmark; Galliard: Bloomberg Barclays U.S. 1-3 Yr. Gov't/Credit; Payden & Rygel: Bloomberg Barclays U.S. 1-3 Yr. Gov't/Credit; Dodge & Cox, Great-West Life, and Prudential: Bloomberg Barclays U.S. Intermediate Aggregate; Jennison: Bloomberg Barclays U.S. Intermediate Gov't/Credit. The allocation to each benchmark is rebalanced monthly to reflect the relative weighting of each fund component at the beginning of the month.

# STABLE VALUE PORTFOLIO REVIEW - STATE OF NORTH CAROLINA STABLE VALUE FUND

Second Quarter 2017

## PORTFOLIO CHARACTERISTICS

<b>Total Assets</b>	\$2,503,007,765	<b>Blended Yield (After fees)*</b>	1.98%
<b>Average Holdings Quality**</b>	A1/AA-	<b>Effective Duration</b>	3.00 years
<b>Number of Contract Issuers</b>	5	<b>Market/Book Value Ratio</b>	100.82%

\*Blended yield is after investment management fees and wrap fees.

\*\*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 contracts and cash held by the portfolio as rated by S&P and Moody's.

## SECTOR DISTRIBUTION

<u>PORTFOLIO DISTRIBUTION</u>	<u>CONTRACT VALUE (\$)</u>	<u>% OF PORTFOLIO 06/30/2017</u>	<u>% OF PORTFOLIO 03/31/2017</u>
<b>Cash &amp; Equivalents*</b>	<b>22,805,510</b>	<b>0.9</b>	<b>0.6</b>
<b>Stable Value Funds</b>	<b>175,599,935</b>	<b>7.0</b>	<b>7.0</b>
<b>Separate Account GICs</b>	<b>822,856,200</b>	<b>32.9</b>	<b>33.0</b>
Intermediate Portfolio	822,856,200	32.9	33.0
<b>Security Backed Investment Contracts</b>	<b>1,481,746,120</b>	<b>59.2</b>	<b>59.4</b>
Short Portfolio	790,373,427	31.6	31.7
Intermediate Portfolio	691,372,693	27.6	27.7
<b>Total</b>	<b>\$2,503,007,765</b>	<b>100.0%**</b>	<b>100.0%**</b>

\*Includes Receivables and Payables

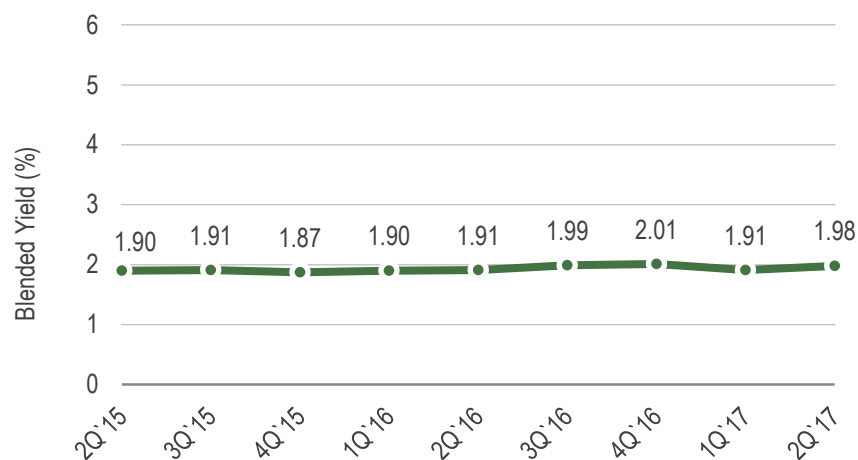
\*\*Total % of portfolio may not add to 100% due to rounding



# STABLE VALUE PORTFOLIO REVIEW - STATE OF NORTH CAROLINA STABLE VALUE FUND

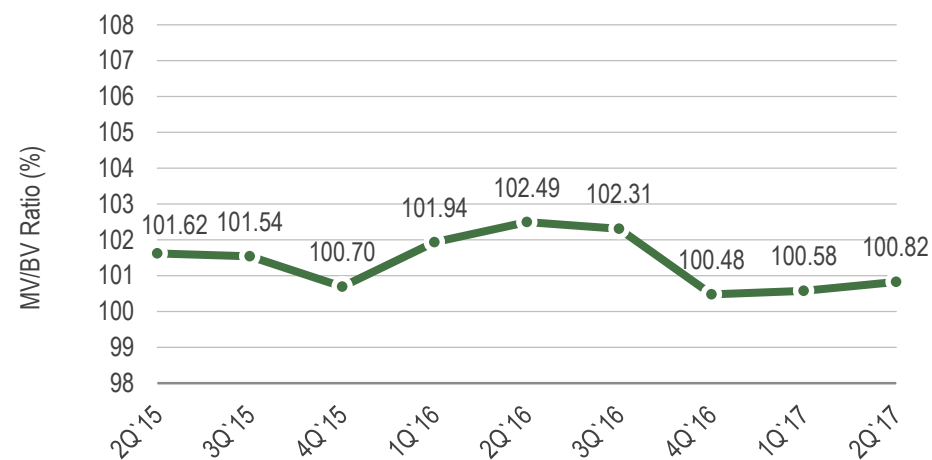
Second Quarter 2017

## HISTORICAL BLENDED YIELD\*

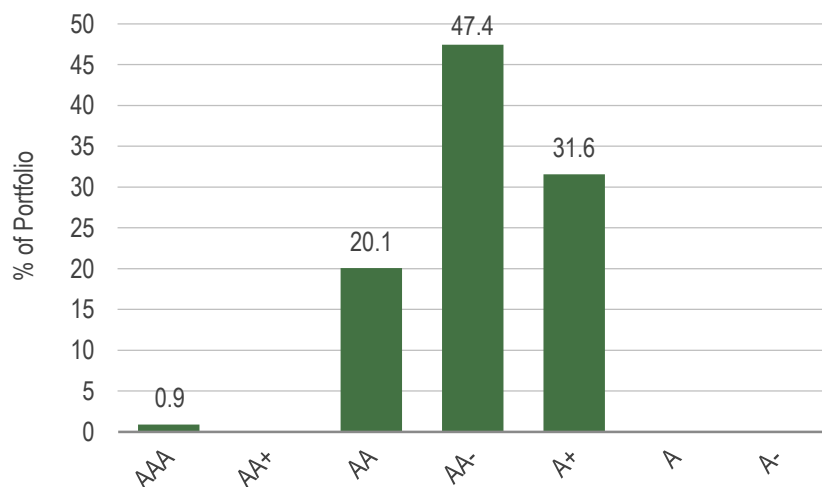


\*As of quarter end. Blended yield is after investment management fees and wrap fees.

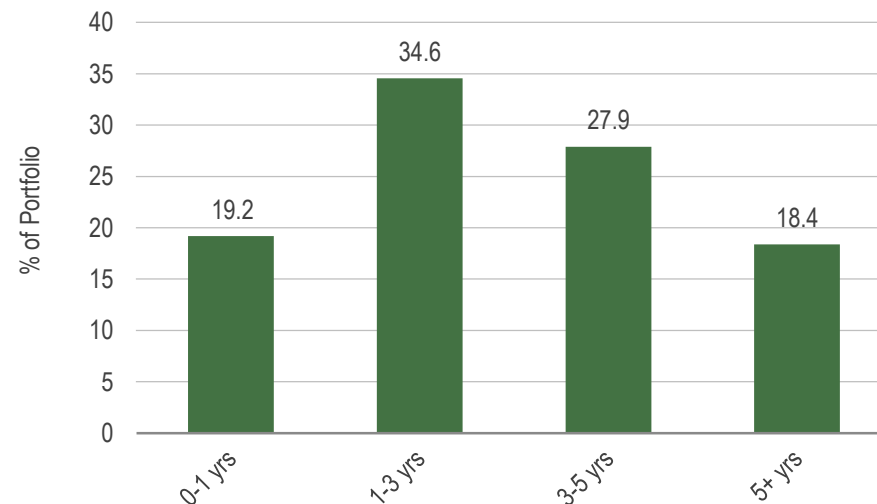
## MARKET VALUE TO BOOK VALUE RATIO



## CONTRACT QUALITY DISTRIBUTION\*



## UNDERLYING DURATION DISTRIBUTION\*\*



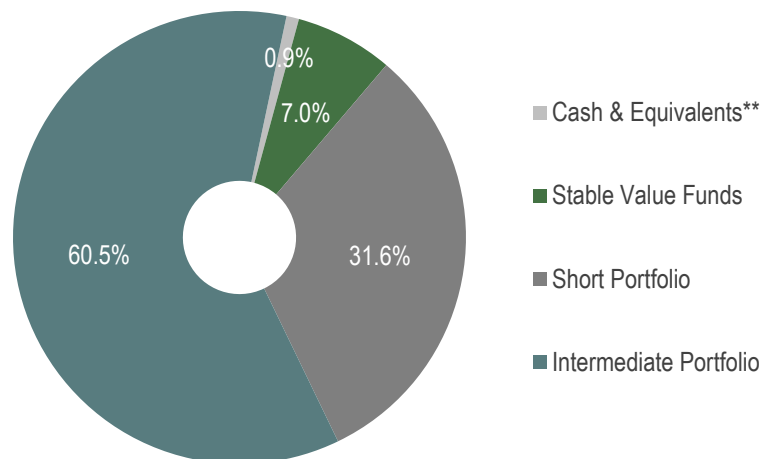
\*Total % of portfolio may not add to 100% due to rounding. The quality distribution shown represents the distribution of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch.

\*\*Total % of portfolio may not add to 100% due to rounding. Duration distribution of the externally managed portfolios is provided by the external manager.

# STABLE VALUE PORTFOLIO REVIEW - STATE OF NORTH CAROLINA STABLE VALUE FUND

Second Quarter 2017

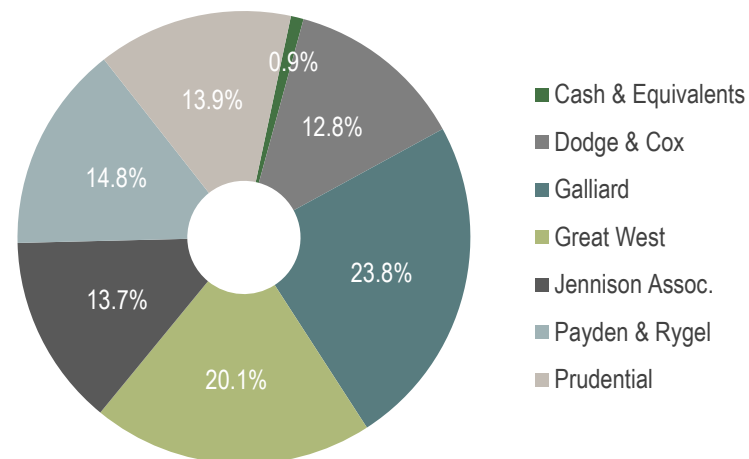
## PORTFOLIO DISTRIBUTION\*



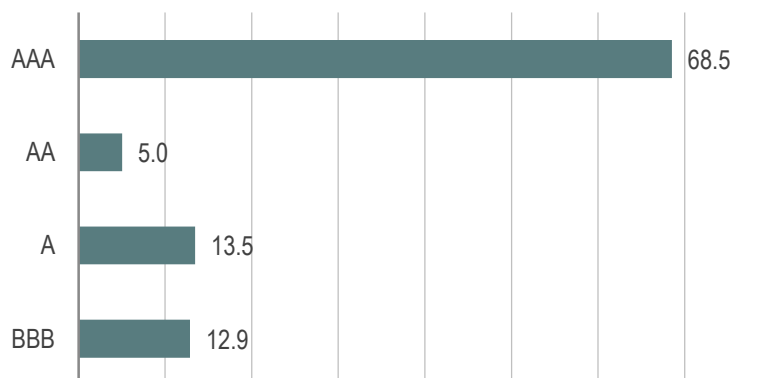
\*Book value

\*\*Includes Receivables and Payables

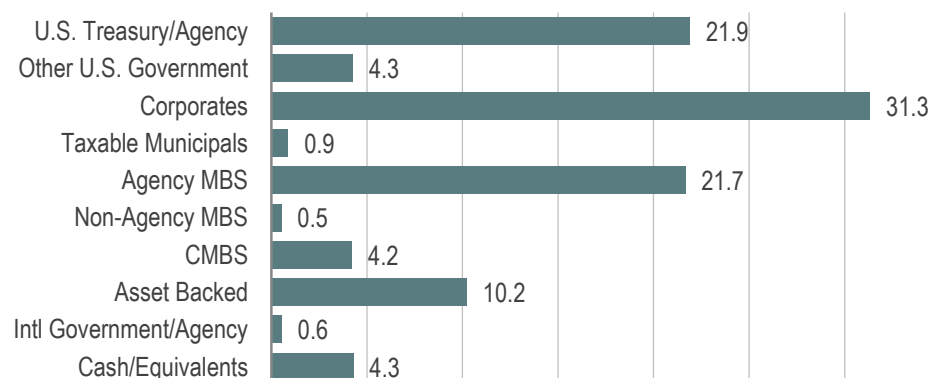
## MANAGER DISTRIBUTION\*



## UNDERLYING FIXED INCOME CREDIT QUALITY\*



## UNDERLYING FIXED INCOME ASSET ALLOCATION\*\*



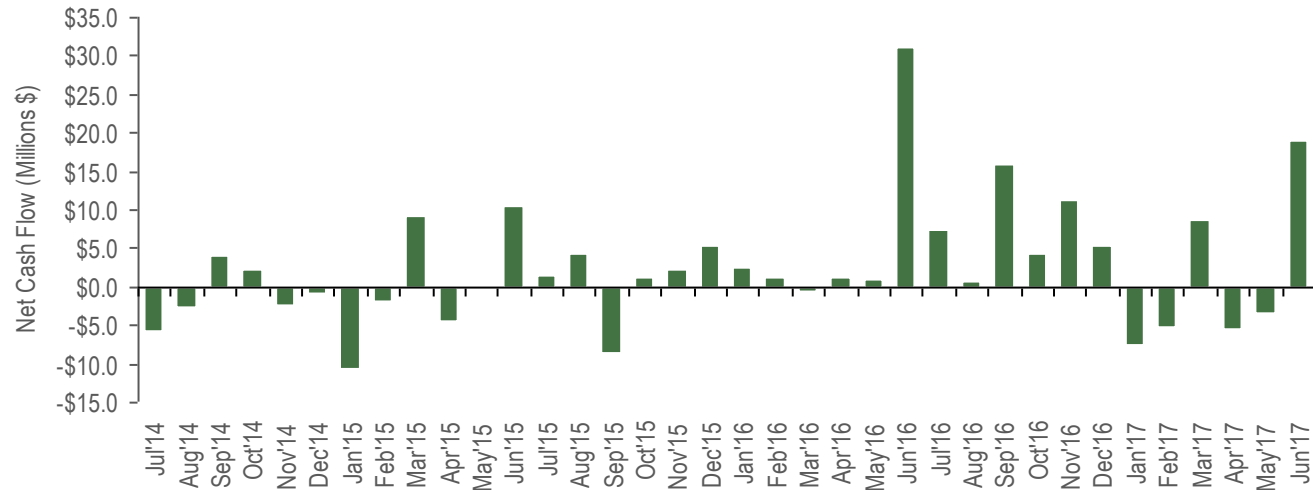
\*Market value. Total % of portfolio may not add to 100% due to rounding. The quality distribution shown represents the distribution of the individual holdings' Composite Ratings, as rated by S&P, Moody's and Fitch. Ratings shown as NR/NA are not rated or not available security ratings. The external managers provide portfolio holdings, and the securities are classified using Galliard's analytics and methodology

\*\*Market value. Total % of portfolio may not add to 100% due to rounding. The external managers provide portfolio holdings, and the securities are classified using Galliard's analytics and methodology for maximum comparability across managers.

# STABLE VALUE PORTFOLIO REVIEW - STATE OF NORTH CAROLINA STABLE VALUE FUND

Second Quarter 2017

## HISTORICAL CASHFLOWS



	YTD	2016***	2015	2014	2013
<b>Beginning Assets</b>	\$2,472.8	\$1,948.6	\$1,904.2	\$1,870.9	\$1,829.1
<b>Net Cash Flow (\$)*</b>	\$6.3	\$81.5	\$8.8	-\$0.3	\$2.4
<b>Net Cash Flow (%)</b>	0.25%	4.18%	0.46%	-0.02%	0.13%
<b>Estimated Investment Earnings</b>	\$23.9	\$46.9	\$35.7	\$33.6	\$39.4
<b>Ending Assets**</b>	\$2,503.0	\$2,472.8	\$1,948.6	\$1,904.2	\$1,870.9

\*Contributions, Withdrawals and Investment Transfers

\*\*Cashflows may not net to final assets due to rounding.

\*\*\*Approximately \$395.8m of net inflow and transfer activity related to the 1/4/2016 merger of North Carolina 457 plan assets have been removed for illustrative purposes.

## STATE OF NORTH CAROLINA STABLE VALUE FUND

### MARKET VALUE PERFORMANCE SUMMARY

#### *Short Duration*

Manager	3 Months	1 Year	3 Years	5 Years	Since Inception	Inception
<b>Payden &amp; Rygel</b>	<b>0.43%</b>	<b>0.96%</b>	<b>1.13%</b>	<b>1.27%</b>	<b>2.01%</b>	<b>7/1/2009</b>
Bloomberg Barclays U.S. 1-3 Yr. Govt/Credit	<u>0.31%</u>	<u>0.35%</u>	<u>0.95%</u>	<u>0.95%</u>	<u>1.44%</u>	
	0.12%	0.61%	0.18%	0.32%	0.57%	
<b>Galliard*</b>	<b>0.46%</b>	<b>0.62%</b>	<b>1.37%</b>	<b>1.32%</b>	<b>1.96%</b>	<b>1/1/2010</b>
Bloomberg Barclays U.S. 1-3 Yr. Government **	0.20%	<u>-0.07%</u>	0.71%	0.65%	0.98%	
Bloomberg Barclays U.S. 1-3 Yr. Gov't/Credit	<u>0.31%</u>	<u>0.35%</u>	<u>0.95%</u>	<u>0.95%</u>	<u>1.29%</u>	
	0.26%	0.69%	0.66%	0.67%	0.98%	

#### *Intermediate Duration*

Manager	3 Months	1 Year	3 Years	5 Years	Since Inception	Inception
<b>Dodge &amp; Cox</b>	<b>1.11%</b>	<b>1.03%</b>	-	-	<b>2.03%</b>	<b>3/1/2015</b>
Bloomberg Barclays U.S. Intermediate Aggregate	<u>0.92%</u>	<u>-0.16%</u>	-	-	<u>1.68%</u>	
	0.19%	1.19%	-	-	0.35%	
<b>Great-West Life***</b>	<b>0.92%</b>	<b>0.14%</b>	<b>2.02%</b>	<b>1.93%</b>	<b>2.26%</b>	<b>10/1/2011</b>
Bloomberg Barclays U.S. Intermediate Aggregate (Ex BBB)	<u>0.83%</u>	<u>-0.51%</u>	<u>1.90%</u>	<u>1.69%</u>	<u>1.93%</u>	
	0.09%	0.65%	0.12%	0.24%	0.33%	
<b>Jennison</b>	<b>1.14%</b>	<b>0.24%</b>	<b>2.27%</b>	<b>1.93%</b>	<b>2.76%</b>	<b>8/1/2010</b>
Bloomberg Barclays U.S. Intermediate Govt/Credit	<u>0.94%</u>	<u>-0.21%</u>	<u>1.92%</u>	<u>1.77%</u>	<u>2.44%</u>	
	0.20%	0.45%	0.35%	0.16%	0.32%	
<b>Prudential</b>	<b>1.10%</b>	<b>0.71%</b>	-	-	<b>2.61%</b>	<b>2/1/2016</b>
Bloomberg Barclays U.S. Intermediate Aggregate	<u>0.92%</u>	<u>-0.16%</u>	-	-	<u>1.64%</u>	
	0.18%	0.87%	-	-	0.97%	

\*Returns shown are after investment management fees.

\*\*Index being shown for comparison purposes only, the fund is managed to a targeted duration.

\*\*\*August 2015 return was revised from -0.885% to 0.238% to remove impact of writing off a receivable. Performance shown was provided by Great West. Great West does not claim compliance with GIPS.

# STATE OF NORTH CAROLINA STABLE VALUE FUND

## MANAGER-LEVEL CHARACTERISTICS

Segment	Manager	Period	Book Value	Market Value	MV/BV Ratio	Market Value Yield	Duration (Years)	Book Value Crediting Rate*
Short Duration	Payden & Rygel	3/31/2017	\$ 368,487,752	\$ 368,763,567	100.1%	1.61%	1.56	1.19%
		6/30/2017	\$ 369,952,507	\$ 370,359,047	100.1%	1.73%	1.63	1.38%
			\$ 1,464,755	\$ 1,595,480	0.0%	0.12%	0.07	0.19%
	Galliard	3/31/2017	\$ 418,460,011	\$ 419,049,730	100.1%	1.85%	1.89	1.56%
		6/30/2017	\$ 420,420,920	\$ 421,015,606	100.1%	1.93%	1.88	1.68%
			\$ 1,960,908	\$ 1,965,876	0.0%	0.08%	(0.01)	0.12%
	Prudential	3/31/2017	\$ 346,469,552	\$ 353,040,660	101.9%	2.68%	4.27	2.64%
		6/30/2017	\$ 348,847,133	\$ 356,966,194	102.3%	2.58%	4.14	2.61%
			\$ 2,377,581	\$ 3,925,534	0.4%	-0.10%	(0.13)	-0.03%
Intermediate Duration	Dodge & Cox	3/31/2017	\$ 318,497,286	\$ 321,614,754	101.0%	2.63%	4.14	2.44%
		6/30/2017	\$ 320,488,489	\$ 325,004,196	101.4%	2.22%	3.38	2.53%
			\$ 1,991,203	\$ 3,389,443	0.4%	-0.41%	(0.76)	0.09%
	Great West Life	3/31/2017	\$ 499,711,547	\$ 497,010,363	99.5%	2.47%	3.84	2.11%
		6/30/2017	\$ 502,367,711	\$ 501,328,441	99.8%	2.33%	3.40	2.15%
			\$ 2,656,164	\$ 4,318,079	0.3%	-0.14%	(0.44)	0.04%
	Jennison	3/31/2017	\$ 340,189,124	\$ 346,641,118	101.9%	2.04%	4.04	2.64%
		6/30/2017	\$ 342,525,560	\$ 350,497,494	102.3%	2.10%	4.16	2.61%
			\$ 2,336,437	\$ 3,856,376	0.4%	0.06%	0.12	-0.03%
	Total Fund	3/31/2017	\$ 2,480,581,692	\$ 2,494,886,611	100.6%	2.18%	3.18	2.04%
		6/30/2017	\$ 2,503,007,765	\$ 2,523,576,423	100.8%	2.13%	3.00	2.11%
			\$ 22,426,073	\$ 28,689,812	0.2%	-0.05%	(0.18)	0.07%

\*Gross of Galliard, Payden & Rygel, and Prudential investment management fees.

# STATE OF NORTH CAROLINA STABLE VALUE FUND PORTFOLIO HOLDINGS

June 30, 2017

Asset ID	Security Description	Manager	Contract Value (\$)	Market Value (\$)	Market/Book Value Ratio (%)	% of Portfolio	Crediting Rate/ Yield (%)	Maturity*	Effective Duration (yrs)	S&P Rating	Moody's Rating	Wrap Fee (bps)
<b>CASH &amp; EQUIVALENTS</b>												
FUNDAVAIL	Cash Receivable / (Payable)		-1,288,542	-1,288,542	100.0	-0.1	0.81		0.10	AAA	Aaa	
VP45600\$1	WF Adv Government Money Market		24,094,052	24,094,052	100.0	1.0	0.81		0.10	AAA	Aaa	
<b>TOTAL CASH &amp; EQUIVALENTS</b>			<b>22,805,510</b>	<b>22,805,510</b>	<b>100.0</b>	<b>0.9</b>	<b>0.81</b>		<b>0.10</b>	<b>AAA</b>	<b>Aaa</b>	
<b>STABLE VALUE FUNDS</b>												
949907109	Wells Fargo Stable Return Fund G		175,599,935	175,599,935	100.0	7.0	1.98		2.54	AA-	Aa3	
<b>TOTAL STABLE VALUE FUNDS</b>			<b>175,599,935</b>	<b>175,599,935</b>	<b>100.0</b>	<b>7.0</b>	<b>1.98</b>		<b>2.54</b>	<b>AA-</b>	<b>Aa3</b>	
<b>SEPARATE ACCOUNT GICS</b>												
<b>Intermediate Portfolio</b>												
391997NH2	Great-West Life & Annuity Ins. Co.	Great West	502,367,711	501,328,441	99.8	20.1	2.15	N.S.M.	3.40	AA	Aa3	15.0
590994VM8	Metropolitan Life Ins. Co.	Dodge & Cox	320,488,489	325,004,196	101.4	12.8	2.53	N.S.M.	3.38	AA-	Aa3	20.0
<b>Total Intermediate Portfolio</b>			<b>822,856,200</b>	<b>826,332,638</b>	<b>100.4</b>	<b>32.9</b>	<b>2.30</b>		<b>3.39</b>	<b>AA</b>	<b>Aa3</b>	
<b>TOTAL SEPARATE ACCOUNT GICS</b>			<b>822,856,200</b>	<b>826,332,638</b>	<b>100.4</b>	<b>32.9</b>	<b>2.30</b>		<b>3.39</b>	<b>AA</b>	<b>Aa3</b>	
<b>SECURITY BACKED INVESTMENT CONTRACTS</b>												
<b>Short Portfolio</b>												
946996EE1	American General Life Ins. Co.	Payden & Rygel	369,952,507	370,359,047	100.1	14.8	1.38	N.S.M.	1.63	A+	A2	22.0
896994GW4	Nationwide Life Ins. Co.	Galliard	420,420,920	421,015,606	100.1	16.8	1.68	N.S.M.	1.88	A+	A1	21.0
<b>Total Short Portfolio</b>			<b>790,373,427</b>	<b>791,374,653</b>	<b>100.1</b>	<b>31.6</b>	<b>1.54</b>		<b>1.76</b>	<b>A+</b>	<b>A1</b>	
<b>Intermediate Portfolio</b>												
744999CV3	Prudential Ins. Co. of America	Jennison Assoc.	342,525,560	350,497,494	102.3	13.7	2.61	N.S.M.	4.16	AA-	A1	17.0
744999CV3	Prudential Ins. Co. of America	Prudential	348,847,133	356,966,194	102.3	13.9	2.61	N.S.M.	4.14	AA-	A1	17.0
<b>Total Intermediate Portfolio</b>			<b>691,372,693</b>	<b>707,463,688</b>	<b>102.3</b>	<b>27.6</b>	<b>2.61</b>		<b>4.15</b>	<b>AA-</b>	<b>A1</b>	
<b>TOTAL SECURITY BACKED INVESTMENT CONTRACTS</b>			<b>1,481,746,120</b>	<b>1,498,838,341</b>	<b>101.2</b>	<b>59.2</b>	<b>2.04</b>		<b>2.88</b>	<b>A+</b>	<b>A1</b>	
<b>TOTAL PORTFOLIO</b>			<b>2,503,007,765</b>	<b>2,523,576,423</b>	<b>100.8</b>	<b>100.0</b>	<b>2.11</b>		<b>3.00</b>	<b>AA-</b>	<b>A1</b>	

\*N.S.M. = No Stated Maturity

## APPENDIX

---

## STATE OF NORTH CAROLINA STABLE VALUE FUNDS

### RELATIONSHIP MILESTONES

---

**2017**

- Hosted SRP staff at Galliard offices for due diligence review
- 

**2016**

- Merged the 457 plan's Stable Value Fund into the plan's 401(k) Stable Value Fund
  - Amended the Galliard IMA to reflect relationship with the group trust. Amendment included Galliard investment management fee reduction
  - Transitioned Prudential enhanced index strategy collective trust to an active management strategy separate account. No change to benchmark (intermediate aggregate).
- 

**2015**

- Added Dodge & Cox as sub-advisor to both the 401(k) and 457 Plan's stable value funds, replacing PIMCO
  - Facilitated closure of Great West Life open receivable
  - Negotiated lower contract fees with American General Life
- 

**2014**

- Finalized Nationwide wrap contract to replace United of Omaha
  - Reduced Great West Life allocation to target (20%)
- 

**2013**

- Secured wrap coverage for Payden & Rygel with American General Life
- Reduced exposure to PIMCO/Met Life to 13% target
- Allocated 15% to Jennison under Prudential wrap



## STATE OF NORTH CAROLINA STABLE VALUE FUNDS

### RELATIONSHIP MILESTONES CONTINUED

---

**2012**

- Changed STIF to Wells Fargo Government Money Market
  - Finalize portfolio strategy recommendations
- 

**2011**

- Changed 401(k) Plan's Prudential benchmark from Broad Market to Intermediate Aggregate
  - Transitioned PIMCO to intermediate duration strategy wrapped by MetLife and increase allocation to 15% of assets
  - Funded Galliard short duration strategy with United of Omaha Wrap
  - Began termination of State Street securities lending program in the 401(k) Plan
  - Transitioned 457 Plan's Prudential intermediate duration strategy to Galliard collective trust
  - Liquidation of GWL trading account and funding of the Wells Fargo STIF and Wells Fargo SRF liquidity buffer
  - Transitioned custody of the 401(k) Payden & Rygel portfolio to Wells Fargo
  - New guidelines established for Payden short duration strategy
  - Transition 401(k) Plan's Prudential investment to intermediate duration collective trust
  - Moved from declared rate to actual portfolio returns
- 

**DECEMBER 2010**

- Galliard assumes oversight, daily valuations, and administration of stable value funds
- Transitioned custody of the 457 Plan Payden & Rygel portfolio to Wells Fargo

## STATE OF NORTH CAROLINA EXPENSE DISCLOSURE

### TOTAL ANNUAL 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 (as of 6/30/17)	Per \$1000	Est. Annual Revenue
Investment Management Fees paid to Galliard	0.067%	\$0.67	\$1,676,014
Investment Management Fees paid to Non-Affiliated Investment Advisors	0.062%	\$0.62	\$1,551,043
Investment Contract Fees <sup>1</sup>	0.170%	\$1.70	\$4,266,642
Acquired Fund Fees <sup>2</sup>	0.033%	\$0.33	\$835,310
-Investment Contract Fees	0.014%	\$0.14	\$349,871
-Other Acquired Fund Fees and Non-Affiliated Investment Management Fees paid to Non- Affiliated Investment Advisors <sup>3</sup>	0.019%	\$0.19	\$485,438
12b-1 Distribution Fee	None	None	None
Other Expenses	0.027%	\$0.27	\$667,936
<b>Total Annual Fund Operating Expense<sup>4</sup></b>	<b>0.359%</b>	<b>\$3.59</b>	<b>\$8,996,944</b>

<sup>1</sup>These are fees paid to create and maintain the investments used by a stable value fund

<sup>2</sup>These are fees borne indirectly by the Fund when it acquires an interest in another fund which pays its own separate fees

<sup>3</sup>Includes audit fees for the cost of producing a report by a qualified auditor

<sup>4</sup>Total Annual Fund Operating Expenses are reflected daily in the Fund's net asset value (NAV)