

VRS Overview

Presented to the Joint Legislative Audit and Review Commission

July 6, 2021

Presenters: O'Kelly E. McWilliams III, Esq., Chair, VRS Board of Trustees Ronald D. Schmitz, Chief Investment Officer Patricia S. Bishop, Director









VRS	O'Kelly E. McWilliams III, Esq.
Overview	Chair, VRS Board of Trustees
Investments	Ronald D. Schmitz
Overview	Chief Investment Officer
Administration	Patricia S. Bishop
Overview	Director



VRS Overview



Board Members





O'Kelly E. McWilliams III, Chair Mintz



Joseph W. Montgomery, Vice Chair The Optimal Service Group, Wells Fargo Advisors



The Hon. J. Brandon Bell II, CRPC Brandon Bell Financial Partners



John M. Bennett VCU (Retired)



Michael P. Disharoon Principal, Palladium Registered Investment Advisors



William A. Garrett Chief. Manassas Fire and Rescue Department



Susan T. Gooden, Ph.D. Dean, L. Douglas Wilder School of Government and Public Affairs, VCU



W. Brett Hayes Wells Fargo Advisors **Financial Network**

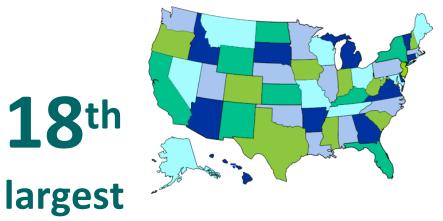


Troilen Gainey Seward, Ed.S. Dinwiddie County Public Schools (Retired)



772,004

As of March 31, 2021



public or private pension system in the United States*





largest

public or private pension system in the world*

* As ranked by Pensions & Investments in 2020

Serving Those Who Serve Others





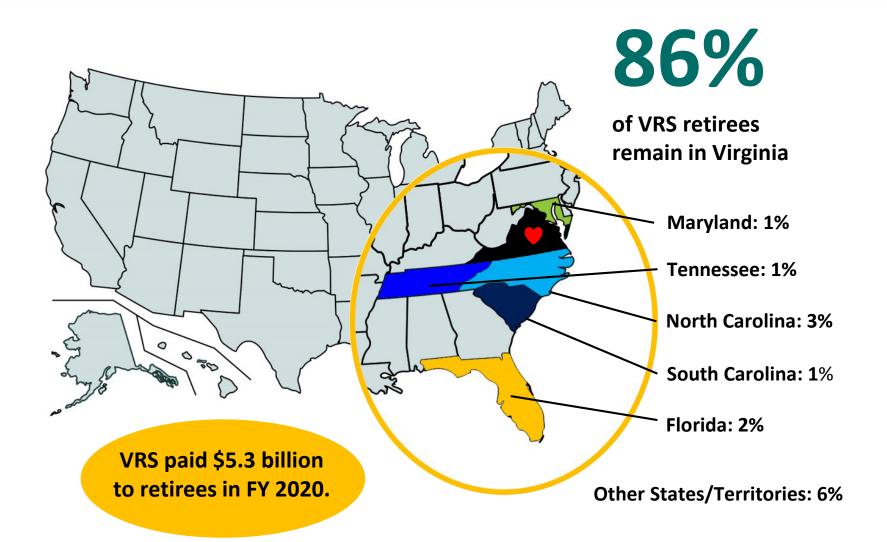
Employers

Members

Retirees

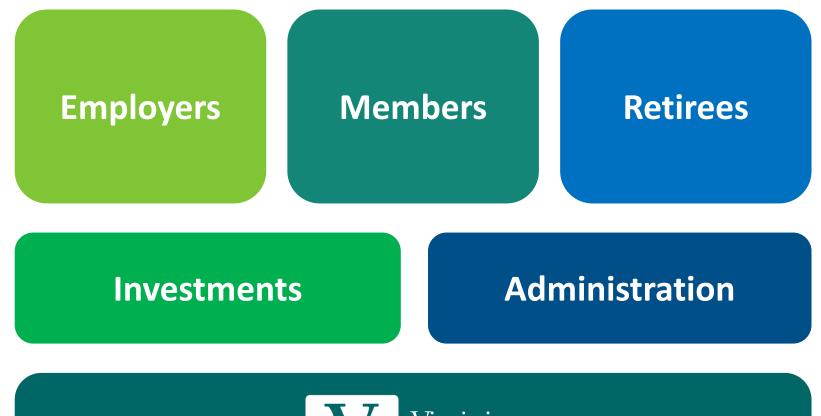
Where VRS Retirees Live





Service and Support









Investments



Investments Agenda



Performance

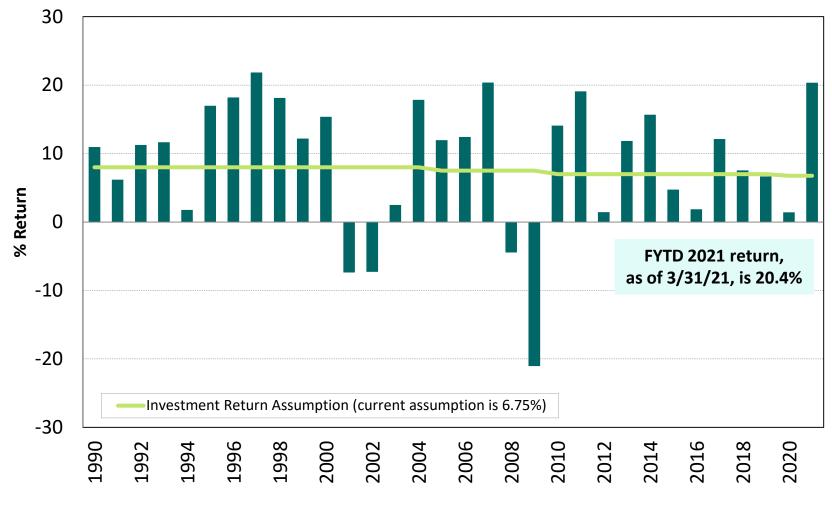
- Long-term results
- Second quarter update

Asset Allocation

- As of 3/31/21
- Importance of diversification
- Board Policy Changes
- Staff Value Add
 - Internal management
 - Cost-effective implementation
- Market & Economy: A Look Ahead

VRS Fiscal Year Returns





Fiscal Year

	VRS Return	Benchmark	
1-year	28.3	27.5	+
3-year	9.5	9.3	+
5-year	9.8	9.6	+
10-year	8.3	7.9	+
15-year	6.8	6.4	+
20-year	7.1	6.7	+
25-year	8.0	7.4	+

*Percent; net of fees

Source: Bank of New York Mellon

Virginia

Retirement

Total Fund Performance* as of March 31, 2021

10 Year	5 Year	3 Year	1 Year	Market Value (\$MM)
9.5	12.1	11.1	56.5	37,933
9.5	13.0	12.4	58.2	
4.2	4.3	6.1	6.3	11,357
3.5	3.1	4.7	2.4	
6.2	7.9	7.0	20.7	13,073
5.6	6.9	6.0	19.7	
9.9	7.7	6.5	6.0	11,795
8.5	5.9	5.1	5.2	
15.0	17.1	17.1	23.6	14,106
14.2	16.0	14.3	19.7	
n/a	7.5	7.1	6.2	1,789
n/a	8.7	9.1	13.0	
n/a	n/a	n/a	24.3	2,911
n/a	n/a	n/a	21.5	
8.3	9.8	9.5	28.3	96,421
7.9	9.6	9.3	27.5	
	 9.5 9.5 4.2 3.5 6.2 5.6 9.9 8.5 15.0 14.2 14.2 14.2 n/a n/a n/a n/a 8.3 	9.5 12.1 9.5 13.0 4.2 4.3 3.5 3.1 6.2 7.9 6.2 7.9 9.5 6.9 9.5 6.9 9.9 7.7 8.5 5.9 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.2 16.0 14.3 8.7 14.4 16.0 14.5 9.8 14.5 9.8	9.5 12.1 11.1 9.5 13.0 12.4 4.2 4.3 6.1 3.5 3.1 4.7 6.2 7.9 7.0 6.2 7.9 7.0 5.6 6.9 6.0 9.9 7.7 6.5 8.5 5.9 5.1 14.2 16.0 14.3 14.2 16.0 14.3 14.2 16.0 14.3 10 7.5 7.1 14.2 16.0 14.3 14.2 16.0 14.3 114.2 16.0 14.3 114.2 16.0 14.3 114.2 16.0 14.3 114.2 16.0 14.3 114.3 8.7 9.1 114.4 16.0 14.3 114.5 16.4 14.3 114.5 14.3 14.3 114.5 14.3 14.3 114.5 16.4 14.3 115.0 116.3 14.3 <td>9.5 12.1 11.1 56.5 9.5 13.0 12.4 58.2 4.2 4.3 6.1 6.3 3.5 3.1 4.7 2.4 6.2 7.9 7.0 20.7 6.2 7.9 7.0 20.7 5.6 6.9 6.0 19.7 9.9 7.7 6.5 6.0 9.9 7.7 6.5 6.0 8.5 5.9 5.1 5.2 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 15.0 7.1 6.2 13.0 14.2 16.0 14.3 19.7 15.1 7.1 6.2 13.0 16.2 14.3 14.3 13.0 17.5 7.1 13.0 13.0</td>	9.5 12.1 11.1 56.5 9.5 13.0 12.4 58.2 4.2 4.3 6.1 6.3 3.5 3.1 4.7 2.4 6.2 7.9 7.0 20.7 6.2 7.9 7.0 20.7 5.6 6.9 6.0 19.7 9.9 7.7 6.5 6.0 9.9 7.7 6.5 6.0 8.5 5.9 5.1 5.2 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 14.2 16.0 14.3 19.7 15.0 7.1 6.2 13.0 14.2 16.0 14.3 19.7 15.1 7.1 6.2 13.0 16.2 14.3 14.3 13.0 17.5 7.1 13.0 13.0

*Percent; net of fees

Source: Bank of New York Mellon

Virginia

Retirement

Total Fund Performance* as of April 30, 2021



	10 Year	5 Year	3 Year	1 Year	Fiscal YTD	Market Value (\$MM)
Total Public Equity Strategies	9.6	12.8	12.2	47.3	37.7	39,417
Benchmark	9.6	13.8	13.5	48.7	37.6	
Total Investment-Grade Fixed Income	4.1	4.4	6.7	4.8	1.9	11,509
Benchmark	3.4	3.2	5.3	1.3	-0.4	
Total Credit Strategies	6.1	7.7	7.3	18.0	14.8	13,192
Benchmark	5.5	6.6	6.4	15.3	10.0	
Total Real Assets	9.9	7.9	6.7	6.1	8.0	11,847
Benchmark	8.5	6.1	5.3	5.4	4.7	
Total Private Equity	15.1	17.4	17.7	25.5	38.5	14,342
Benchmark	13.9	17.1	12.7	20.6	49.3	
Total Private Investment Partnerships	n/a	7.5	7.1	6.2	20.2	1,819
Benchmark	n/a	8.8	8.7	12.6	21.4	
Total Multi-Asset Public Strategies	n/a	n/a	n/a	21.7	18.4	2,966
Benchmark	n/a	n/a	n/a	19.7	14.6	
Total Fund	8.3	10.1	10.2	25.1	23.0	97,972
VRS Custom Benchmark	7.9	10.0	9.7	23.8	22.3	
						-

*Percent; net of fees

Source: Bank of New York Mellon

Evolving Markets – Post Pandemic

December JLARC Meeting

September 2020 returns showed a portfolio still enduring the economic impacts of the pandemic.

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 Conditions contributing to short-term underperformance relative to benchmarks were discussed; setbacks were noted as likely temporary.

June 2021

- Conditions in several markets have improved, tilting in our favor.
- Absolute and/or relative returns for Public Equity, Credit Strategies and Real Assets have improved dramatically.
- Total Fund return of 28.3% for the year ended 3/31/21 is 0.8% ahead of benchmark (Board-established target is 0.3%).



Description	2020	1Q 2021	Post Vaccine Efficacy Announcement (11/9/20-3/31/21)
S&P 500	18.4	6.2	12.6
Russell 1000 Growth	38.5	0.9	8.4
Russell 1000 Value	2.8	11.3	19.3
NYSE FANG+*	103.1	2.6	16.6

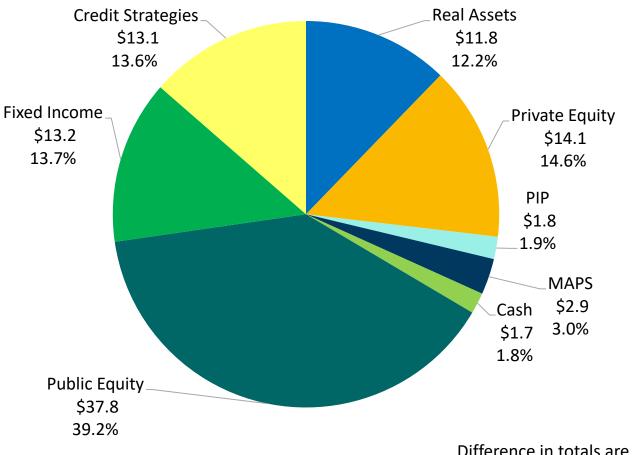
*Index of several prominent American technology companies including Facebook, Amazon, Netflix and Google.

Asset Allocation as of March 31, 2021



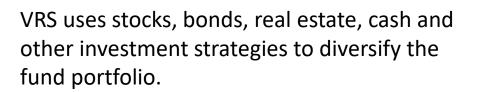
Total Fund Market Value = \$96.4 billion

(Dollar Amounts in Billions/Percent of Total Fund)



Difference in totals are due to rounding Source: Bank of New York Mellon

Importance of Diversification



Diversification

- Combines different investments to limit exposure to a single asset or strategy, lowering risk or exposure to a single investment.
- Creates a stable foundation that helps moderate highs/lows in the stock market.
- Follows the mandate of the Code of Virginia (51.1-124.30(C)), helping prevent frequent shifts in participating employers' contribution rates and providing rate consistency from year to year.



/iroinia



Asset Class Returns Fluctuate



2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Sm Cap	Real	Emerging	Sm Cap	Large Cap	Real	Sm Cap	Emerging	Real	Large Cap
Equity	Estate	Mkt Eq	Equity	Eq	Estate	Equity	Mkt Eq	Estate	Eq
27%	16%	18%	39%	13%	15%	21%	37%	8%	16%
Emerging	US Fixed	Non-US	Large Cap	Real	Large Cap	Large Cap	Non-US	Cash	Emerging
Mkt Eq	Income	Eq	Eq	Estate	Eq	Eq	Eq	Equivalent	Mkt Eq
19%	8%	17%	33%	13%	1%	12%	27%	2%	11%
Real	Private	Large Cap	Non-US	US Fixed	US Fixed	Emerging	Large Cap	Private	US Fixed
Estate	Debt	Eq	Eq	Income	Income	Mkt Eq	Eq	Debt	Income
16%	2%	16%	15%	6%	1%	11%	22%	1%	7%
Large Cap	Large Cap	Sm Cap	Real	Sm Cap	Cash	Private	Sm Cap	US Fixed	Hedge
Eq	Eq	Equity	Estate	Equity	Equivalent	Debt	Equity	Income	Funds
16%	2%	16%	14%	5%	0%	10%	15%	0%	6%
Non-US	Cash	Real	Hedge	Hedge	Hedge	Real	Hedge	Hedge	Non-US
Eq	Equivalent	Estate	Funds	Funds	Funds	Estate	Funds	Funds	Eq
11%	0%	11%	9%	3%	0%	9%	8%	-4%	3%
Private	Sm Cap	Private	Private	Private	Private	Non-US	Real	Large Cap	Real
Debt	Equity	Debt	Debt	Debt	Debt	Eq	Estate	Eq	Estate
10%	-4%	9%	6%	2%	0%	5%	8%	-5%	1%
US Fixed	Hedge	Hedge	Cash	Cash	Sm Cap	US Fixed	Private	Sm Cap	Cash
Income	Funds	Funds	Equivalent	Equivalent	Equity	Income	Debt	Equity	Equivalent
7%	-6%	5%	0%	0%	-4%	3%	4%	-11%	1%
Hedge	Non-US	US Fixed	US Fixed	Emerging	Non-US	Hedge	US Fixed	Non-US	Private
Funds	Eq	Income	Income	Mkt Eq	Eq	Funds	Income	Eq	Debt
7%	14%	4%	-2%	-2%	-6%	1%	4%	-14%	1%
Cash	Emerging	Cash	Emerging	Non-US	Emerging	Cash	Cash	Emerging	Sm Cap
Equivalent	Mkt Eq	Equivalent	Mkt Eq	Eq	Mkt Eq	Equivalent	Equivalent	Mkt Eq	Equity
0%	-18%	0%	-3%	-4%	-15%	0%	1%	-15%	0%

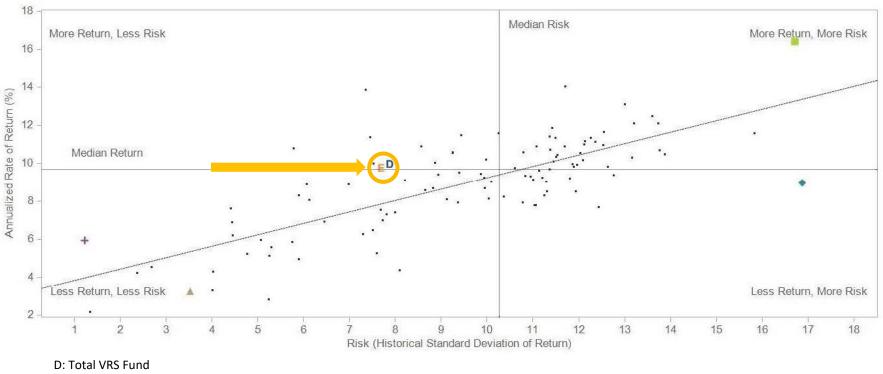
Source: The Callan Periodic Table of Investment Returns

Trust Universe Comparison Services



Risk vs Total Returns of Master Trusts - All Plans

5 Years Ending March 31, 2021



E: Total Fund Benchmark

Trust Universe Comparison Service® (TUCS®)



	FY 2021 Policy Targets	FY 2022 Policy Targets	Long-Term Policy Targets
Public Equity	37%	36%	34%
Fixed Income	16%	15%	15%
Credit Strategies	14%	14%	14%
Real Assets	14%	14%	14%
Private Equity	13%	14%	14%
Private Investment Partnerships (PIP)	2%	2%	3%
Multi-Asset Public Strategies (MAPS)	3%	4%	6%
Cash	1%	1%	0%

Internal Asset Management (IAM)

Asset Class	Objective	\$MM
	Core	9,609.2
Fixed Income	Non-Core	862.9
	Subtotal	10,472.1
	Low Tracking Error	10,812.8
Equity.	Low Volatility	4,433.7
Equity	Other	3,557.3
	Subtotal	18,803.8
	Total	29,275.9

Virginia

Retirement Svstem

As of March 31, 2021

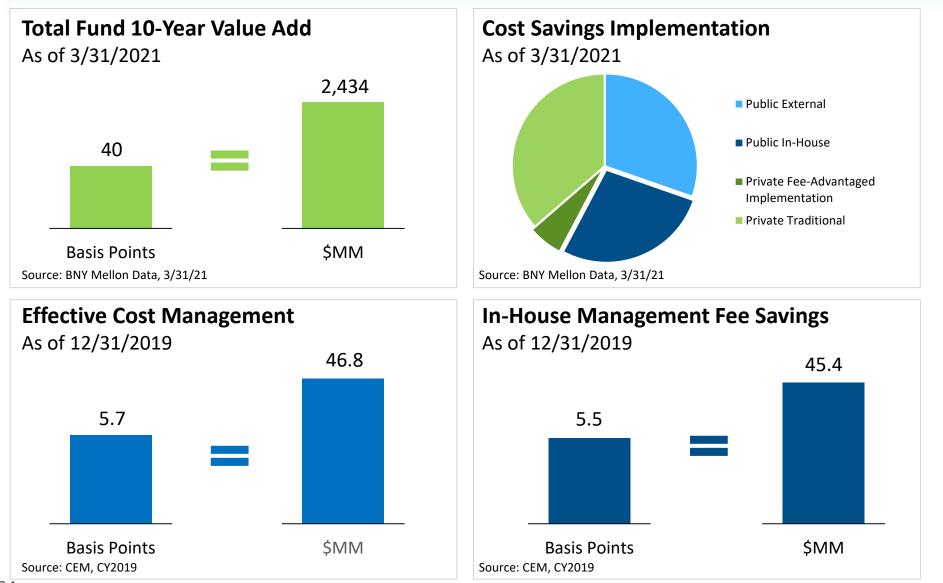


		1 Yr	3 Yrs	5 Yrs	10 Yrs	15 Yrs	20 Yrs
Fixed	Return	4.3%	6.0%	4.2%	4.1%	5.3%	5.1%
Fixed Income*	Benchmark	0.7%	4.7%	3.1%	3.4%	4.7%	4.6%
	Excess	3.6%	1.3%	1.1%	0.7%	0.6%	0.5%
	Return	48.3%	10.8%	12.1%	11.2%	8.4%	7.8%
Equity	Benchmark	50.1%	12.7%	13.1%	10.8%	7.9%	7.3%
	Excess	-1.8%	-1.9%	-1.0%	0.4%	0.5%	0.5%

*Core only

Adding Value Multiple Ways





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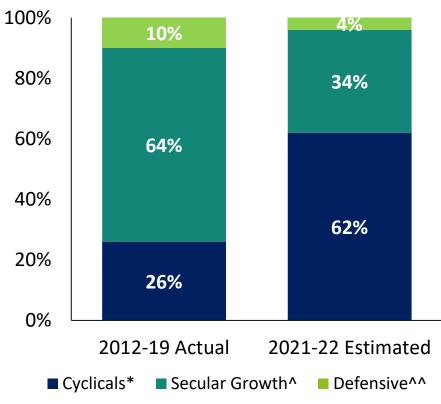
Markets & Economy: A Look Ahead



- The US and global economies are emerging from the pandemic with considerable speed, but this won't be a simple V-shaped recovery that gets us back to February 2020.
 - Prices and wages are in flux
 - Millions of unemployed AND millions of vacant jobs exist at the same time
 - Supply chains are disrupted and under review
 - Numerous technical innovations help speed recovery
 - Uncertainty of return to office/hybrid work
- Current focus points:
 - Asset class valuation levels
 - Equity market rotation
 - Inflation

Earnings: Cyclicals Expected to Take the Lead





Overall, the very same exposures that negatively impacted the portfolio in 2020 are the biggest contributors thus far in 2021; this reversal is expected to continue.

* Cyclicals include industrials, energy, materials, financials and discretionary ^ Secular growth includes technology, communications and healthcare ^ Defensive includes staples, utilities and REITs

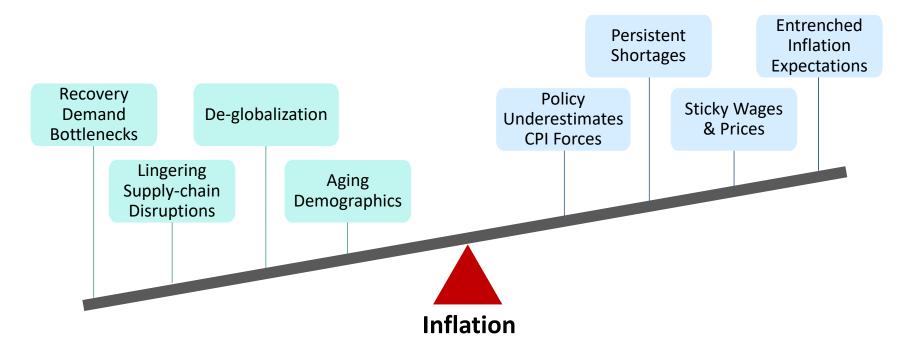
Source: KKR

Inflation Uncertainty: Potential Outcomes



Short-term Uptick With Moderate Longer – Term Pressure

Sustained Inflation At Higher Levels Than Recent History







- U.S. and global economies are rapidly emerging from the pandemic.
- Several market forces rotated in our favor in the post-pandemic period.
- The Board continues a measured phase-in of long-term policy.
- The Fund continues to benefit through staff's cost-effective implementation.
- With a strong risk-mitigation structure, the fund continues to be well positioned to serve its members, even during uncertain times.



Administration Overview



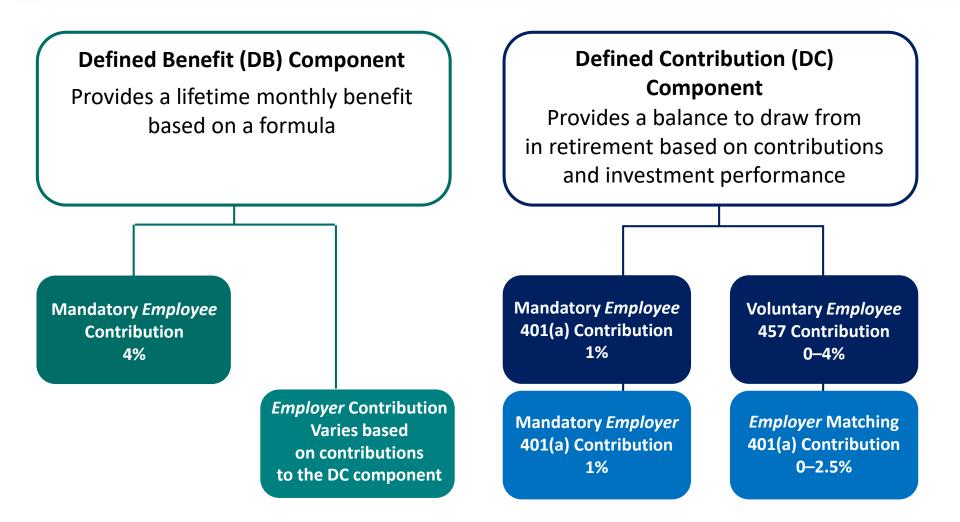
VRS Total Membership as of March 31, 2021



		Plan 1	Plan 2	Hybrid	Total
Teachers		66,581	30,399	59,239	156,219
Political Subdivision I	Employees	38,952	31,145	38,701	108,798
State Employees		29,765	13,948	30,347	74,060
State Police Officers' Retirement System (S	SPORS)	1,025	859		1,884
Virginia Law Officers' Retirement System (N		2,580	5 <i>,</i> 490		8,070
Judicial Retirement S	ystem (JRS)	183	47	207	437
Total Active Member	ſS	139,086	81,888	128,494	349,468
Total Active Members 349,468	Retirees/ Beneficiaries 227,025	;	tive/Deferred Members 195,511	Рорг	Total lation 2,004

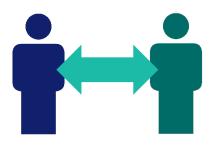
Hybrid Retirement Plan





Hybrid Retirement Plan Impact



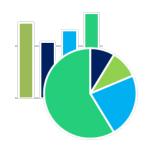


Shares risk between employer/employee





Increases portability



Reduces employer longevity risk Reduces employer investment risk



Lowers future costs of the plan

Hybrid Retirement Plan



Hybrid Retirement Plan Member Profile as of April 1, 2021



Active Hybrid Retirement Plan members



Largest Member Group

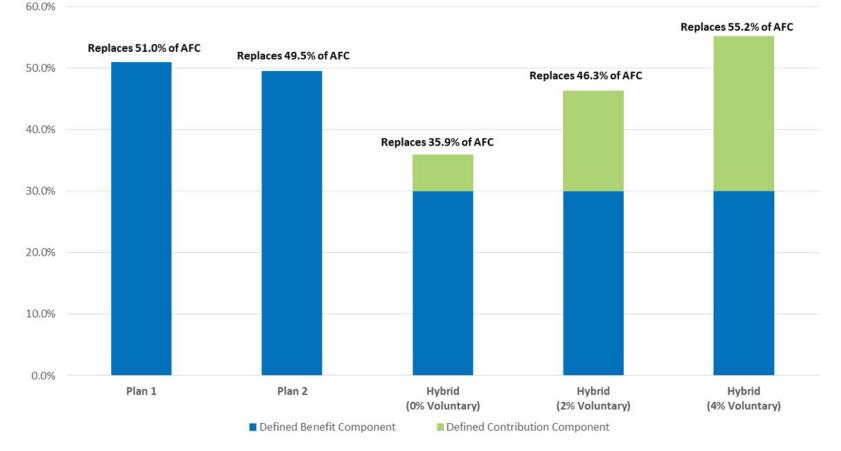
Teachers 59,518 members (47%)

Median Salary \$44,930 Median Age **37 years old** Average Years in the Plan 2.71

Estimated Replacement Ratios State Plan by Benefit Tier







- Investment return for defined contribution investments is assumed to be 5.0% per year and converted to annuity assuming 4% post-retirement discount rate and 2.25% COLA.
- Income replacement percentage, based on final average final compensation (AFC).

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• For "Hybrid Max Contribution," employees must contribute 9% of their salary throughout their career.

Prior Proposals – Hybrid Plan Modifications



 Accelerate auto-escalation to 0.5% increase in voluntary contributions every two years for members not at the maximum voluntary level.

Virginia



 Auto-enroll with voluntary contribution at 0.5% upon date of hire, with ability to opt-out.



- Change allocation of member contribution.
 - Current 4% DB and 1% DC.
 - Proposed 3% DB and 2% DC.



Funded Status and Contribution Rates

	3,345,345.00	23,442.00	534,454.00	34,534.00	3
1	345.00	234,768.00	42,343.00	342.00	
00	42,456.00	234,234.00	5,564.00	23,442.00	31
.00	5,345.00	634,567.00	234,676.00	46,456.00	1,03
1.00	16,164.00	10,776.00	234,423.00	4,234,467.00	4,54
5.00	3,423.00	34,422.00	42,234.00	34,233.00	17
00.5	2,342.00	195200	00.4	\$64,523.00	1,33
2.00	3,423.00	23,423.00	34,5	246,723.00	- 35
00.0	234,423	234,233.00	45,344.0	24,423.00	65
8.00	31,4 00	534,457.00	45,573.00	442,344.00	4,1
2.00	10 .00	14,772.00	14,772.00	10,334.00	2
2.00	492.00	16,392.00	16,392.00	1,744.00	2
8.00	168.00	15,168.00	15,168.00	096.00	2
0.00	8,680.00	58,680.00	58,680.00	100.00	7
4.00	3,704.00	13,704.00	13,704.00	562.00	- 1
4.00	6,924.00	15,924.00	15,924.00	3 465.00	. 4
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4.00	884.00	45,884.00	46,884.00	1 1,448.00	1,3
2.00	3 22.00	37,872.00	37,872.00	3,184.00	1,0
9.00	3,955 00	2,580,255.00	1,835,094.00	\$8,520.00	2.2,5
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58,68

14

15,16

12

14,77

11

1.42

13

16.39

16

13,70 15,92

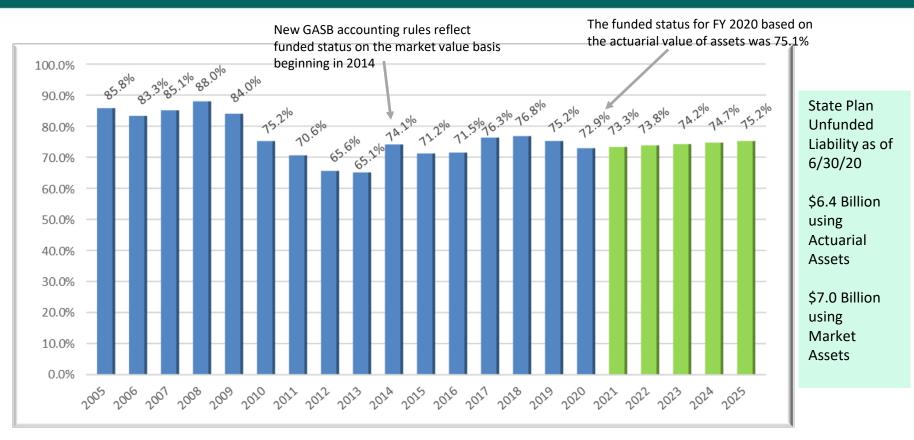
17

18

51,00

Funded Status: State





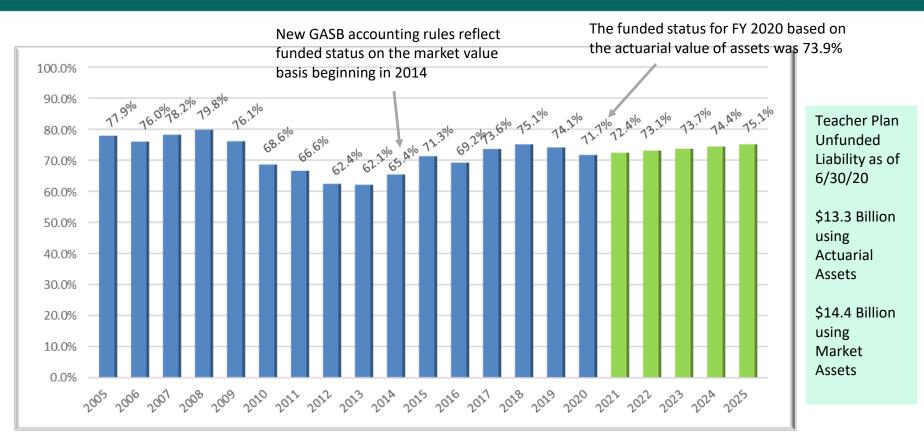
Historical Funded Status - Actuarial Value of Assets up to 2013 & Market Value of Assets 2014 Forward Projected Funded Status using Market Value of Assets (New GASB Standard)

Notes:

- Projected funded status based on assumed investment returns of 6.75% and inflation of 2.5%.
- Projected funded status does not reflect impacts of recent Experience Study.
- GASB Accounting rules reflect funded status using Market Value of Assets effective 6/30/14 for Plan Reporting and 6/30/15 for Employer Reporting.

Funded Status: Teachers





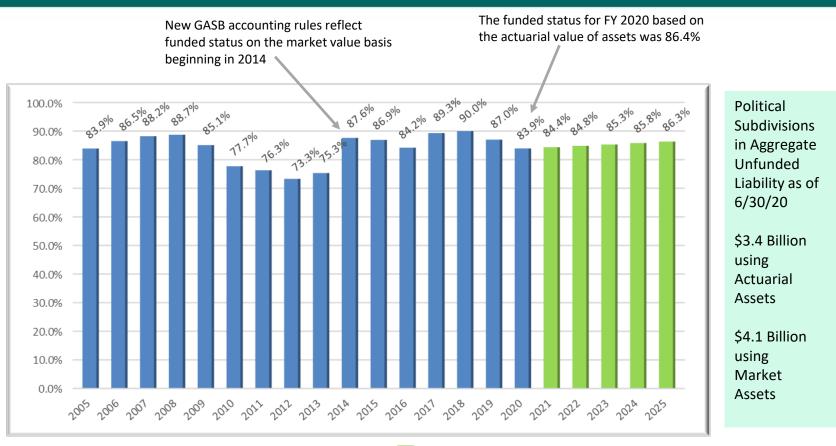
Historical Funded Status - Actuarial Value of Assets up to 2013 & Market Value of Assets 2014 Forward Projected Funded Status using Market Value of Assets (New GASB Standard)

Notes:

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- Projected funded status does not reflect impacts of recent Experience Study.
- GASB Accounting rules reflect funded status using Market Value of Assets effective 6/30/14 for Plan Reporting and 6/30/15 for Employer Reporting.

Funded Status: Political Subdivisions in Aggregate





Historical Funded Status - Actuarial Value of Assets up to 2013 & Market Value of Assets 2014 Forward

Projected Funded Status using Market Value of Assets (New GASB Standard)

Notes:

- Projected funded status based on assumed investment returns of 6.75% and inflation of 2.5%.
- Projected funded status does not reflect impacts of recent Experience Study.
- GASB Accounting rules reflect funded status using Market Value of Assets effective 6/30/14 for Plan Reporting and 6/30/15 for Employer Reporting.

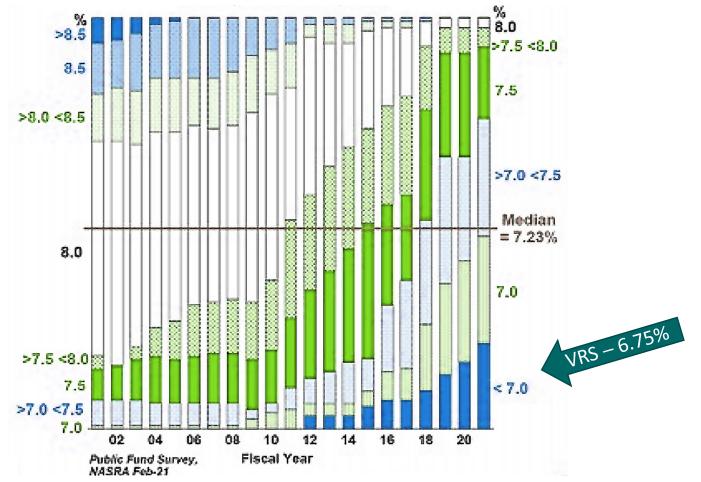
Historical Change in Distribution of Investment Return Assumptions

Figure 4: Change in Distribution of Public Pension Investment Return Assumptions, FY 01 to FY 21

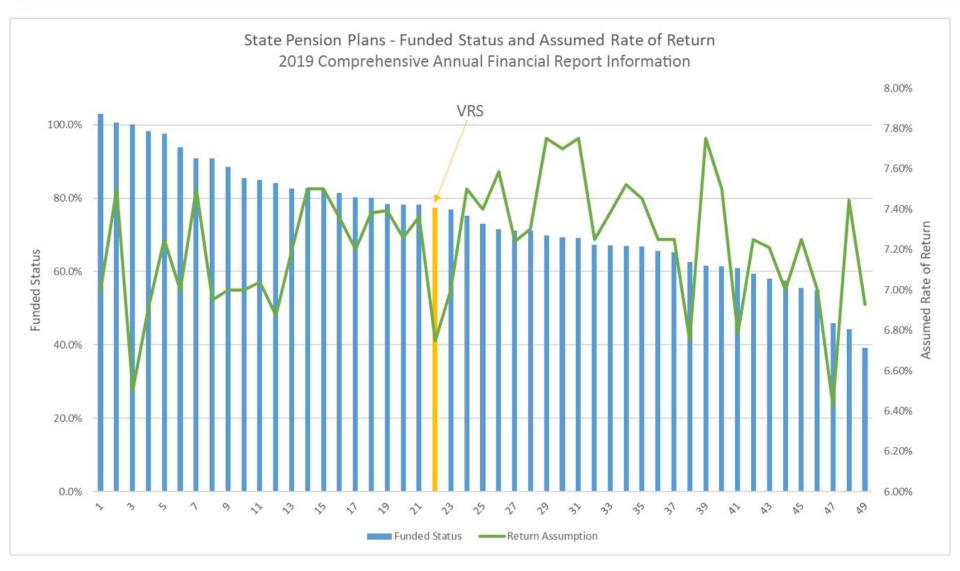
Virginia Retirement

System

Distribution of Nominal Investment Return Assumptions, FY 01 to present



VRS Assumed ROR vs. Peer Funds



Virginia

Retirement System

* 2019 is the most recent year for all information.

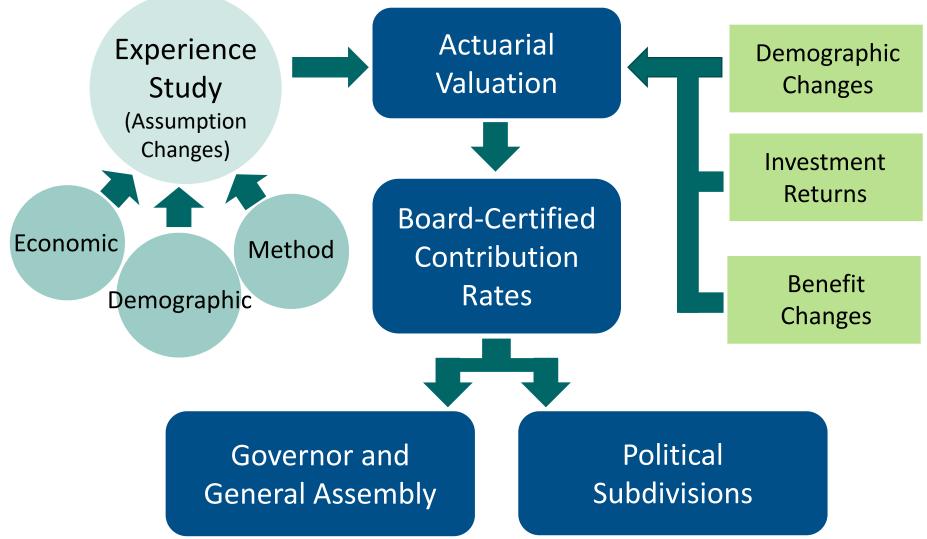
Employer Contribution Rates and Funding Requirements for Statewide Plans



Plan	Fiscal Year 2021	Fiscal Year 2022	
State	14.46%	14.46%	
SPORS	26.33%	26.33%	
VaLORS	21.90%	21.90%	
JRS	29.84%	29.84%	
Teachers	16.62%	16.62%	
Total Estimated Employer Contributions	\$2,314,689,000	\$2,431,470,000	
General Fund	\$1,011,982,000	\$1,063,483,000	
Non-General Fund	\$1,302,707,000	\$1,367,987,000	

- Estimated funding for fiscal year 2021 is based on payroll from the 2020 valuation projected forward one year using plan assumptions.
- Estimated payroll for fiscal year 2022 includes the impact of payroll increases approved during the 2021 legislative session.
- Actual funding will be based on payrolls in effect at the time of billing.

Contribution Rate Development



Virginia

Retirement Svstem

Experience Study



The most significant change to come from the study was the mortality assumption.

Includes explicit assumption that future generations live longer than current generation

Mortality Assumption Updates Uses public-sector specific mortality experience

Assumes members with larger benefits tend to live longer, so includes benefits-weighted rather than age-weighted factors Future adjustments related to mortality improvement should be minimized using generational mortality

Virginia Retirement System Unfunded Pension Liabilities by Plan (Dollars in Thousands)



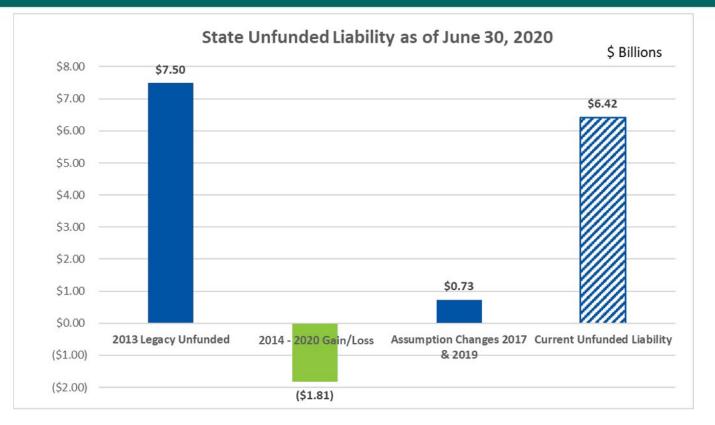
	UAAL based on AVA (Dollars in Thousands)				
System		2019		2020	
State	\$	6,466,084	\$	6,417,661	
Teachers	\$	13,070,163	\$	13,278,662	
SPORS	\$	322,488	\$	325,590	
VaLORS	\$	726,243	\$	712,025	
Judicial	\$	116,605	\$	111,633	
Total State-Wide Systems	\$	20,701,583	\$	20,845,571	
Political Subdivisions	\$	3,357,268	\$	3,441,151	
Total Fund	\$	24,058,851	\$	24,286,722	

	UAAL based on Market (Dollars in Thousands)			
System		2019		2020
State	\$	6,308,078	\$	6,981,267
Teachers	\$	12,781,190	\$	14,385,554
SPORS	\$	315,847	\$	351,662
VaLORS	\$	715,248	\$	758,084
Judicial	\$	112,200	\$	128,417
Total State-Wide Systems	\$	20,232,563	\$	22,604,984
Political Subdivisions	\$	3,176,545	\$	4,076,749
Total Fund	\$	23,409,108	\$	26,681,733

The Political Subdivisions in Aggregate unfunded liabilities do not include political subdivisions with no active members.

Unfunded Liabilities by Source State Plan





- Unfunded liability of State plan was \$6.4 billion as of June 30, 2020.
- Legacy unfunded liabilities established as of 2013 remain the main source of unfunded which is expected to be paid off by 2044.
- Since 2013, plan experience has provided net gain of \$1.8 billion to State plan.
- Approximately \$730 million additional liability added due to assumption changes and lowering of plan discount rate in 2019.



Enhancing the Customer Service Experience

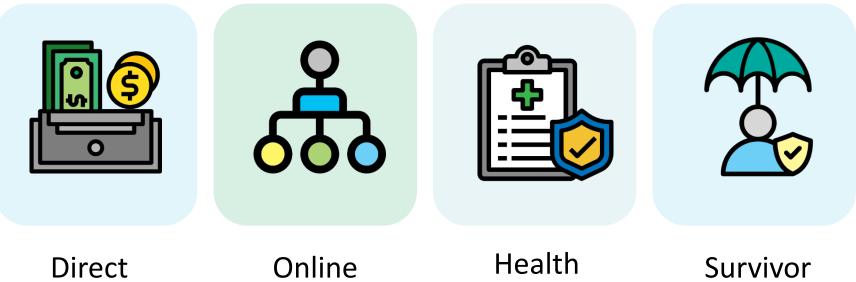


Major Milestone Accomplished: Online Retirement for VRS Members





Additional self-service features in myVRS are planned for members and retirees:



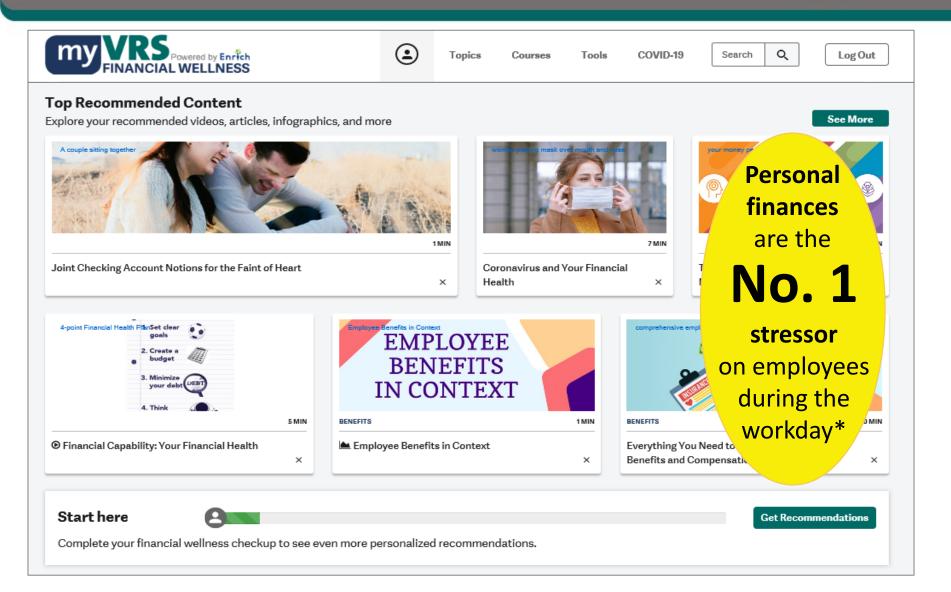
deposit management Online beneficiary management Health insurance credit management

Survivor accounts

Virginia

myVRS Financial Wellness





* Willis Towers Watson 2019/2020 Global Benefits Attitudes Survey.

VRS Honored With Awards



Pensions&Investments

The Communicator Awards

First Place, Financial Wellness

ards

Public Plans With More Than 5,000 Participants

First Place, Conversions/Consolidations Public Plans With 1,000 to 5,000 Participants

2021 Communicator Award of Distinction

VRS Virtual Pandemic Response: Content Marketing for Marketing Effectiveness

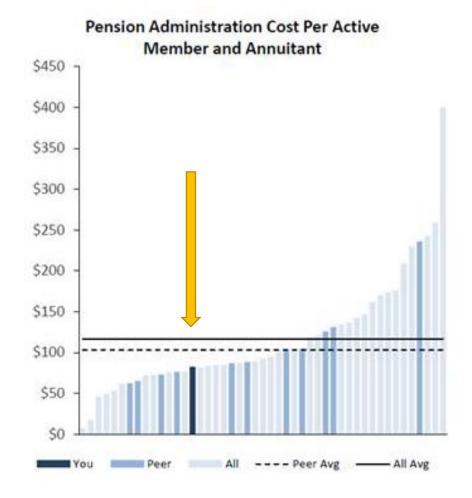


Peer Comparison



VRS Cost Compared With Peers

Your total pension administration cost of \$81 per active member and annuitant was \$22 below the peer average of \$103.



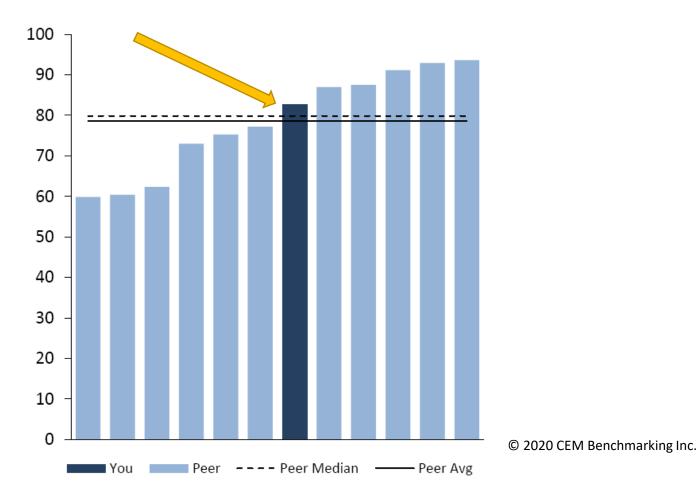
© 2020 CEM Benchmarking Inc.

Virginia

Retirement System



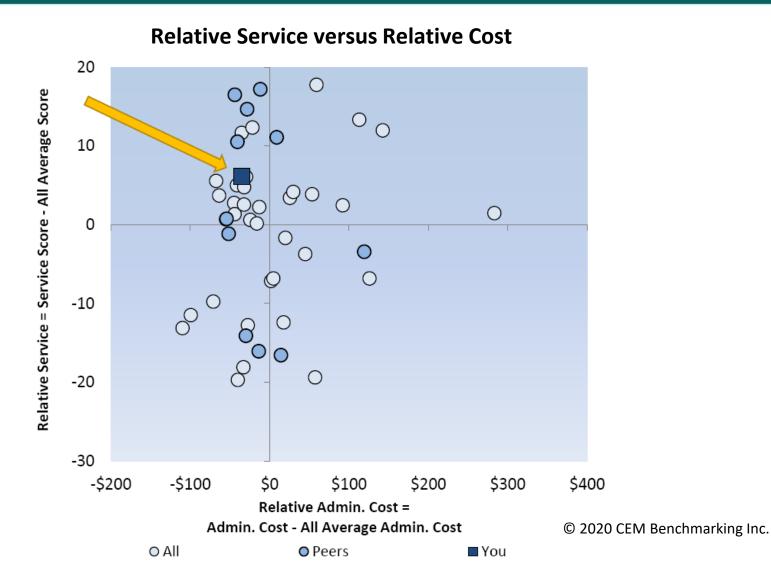
Your total service score was 83. This was above the peer median of 80.



Total Service Score

Cost and Service Trends





55



Serving those who serve others. Helping members plan for tomorrow, today.