

**STATE OF RHODE ISLAND
INVESTMENT COMMISSION MEETING**

**DATA AT
April 30th, 2020**

**May 27th, 2020
MEETING**

MEMBERS OF THE STATE INVESTMENT COMMISSION

Honorable Seth Magaziner, Chair

**Mr. Erik Carleton
Mr. J. Michael Costello
Mr. Thomas P. Fay
Ms. Karen Hammond**

**Ms. Karen Hazard
Mr. Frank Karpinski
Ms. Sylvia Maxfield
Mr. Thomas Mullaney**

Section I.

Agenda



State of Rhode Island and Providence Plantations
Office of the General Treasurer

Seth Magaziner
General Treasurer

RHODE ISLAND STATE INVESTMENT COMMISSION MEETING NOTICE

The next meeting of the Rhode Island State Investment Commission has been scheduled for Wednesday, May 27th, 2020 at 9:00 a.m. via **teleconference (dial-in: +1 (562) 247-8422, access code: 334-741-124)**.

AGENDA

- Chairperson Call to Order
- Membership Roll Call
- Approval of Draft Meeting Minutes ¹
 - State Investment Commission Meeting held April 22nd, 2020
- Private Equity Investment Recommendation, Endeavour Capital Fund VIII, L.P. ¹
 - Mark Dorman & Leland Jones, Endeavour
 - Tom Lynch, Cliffwater
- Private Equity Investment Recommendation, CVC Capital Partners Fund VIII, L.P. ¹
 - Esther Rombaut, CVC Capital Partners
 - Tom Lynch, Cliffwater
- Private Equity Investment Recommendation, DCVC Bio II, L.P. ¹
 - John Hamer, Kiersten Stead & Spencer Punter, Data Collective
 - Tom Lynch & Will Dornbrook, Cliffwater
- Capital Cities 529 Contract Amendment Recommendation, Great Disclosure ¹
- Legal Counsel Report
- Performance Update
- Treasurer's General Comments

¹ Commission members may be asked to vote on this item.

POSTED ON MAY 21, 2020

Anyone wishing to attend this meeting who may have special needs for access or services such as an interpreter, please contact Justin Maistrow at (401) 574-9246 twenty-four hours in advance of the scheduled meeting.

Section II.

Approval of Minutes



State Investment Commission

Monthly Meeting Minutes

Wednesday, April 22nd, 2020

9:00 a.m.

Remote Meeting

(dial-in: 1-562-247-8422, access code: 813-844-374)

The Monthly Meeting of the State Investment Commission (SIC) was called to order at 9:05 AM, Wednesday, April 22nd, 2020. The SIC's April 22nd, 2020 Meeting was held remotely using telephonic and electronic communications, in accordance with Executive Order 20-25 issued by Governor Gina M. Raimondo on April 15, 2020. All votes were taken remotely by roll call vote.

I. Roll Call of Members

The following members were present: Mr. Michael Costello, Mr. Thomas Fay, Mr. Thomas Mullaney, Ms. Sylvia Maxfield, Ms. Karen Hammond, Ms. Karen Hazard, Mr. Frank Karpinski, Mr. Erik Carleton, and Treasurer Seth Magaziner.

Also in attendance: Alessandro Pagani, Ian Anderson, and John Meyer, Loomis Sayles; Matt Bartlett, Sean Walker, and Art Greenwood, Fidelity; Michael Dorrell, Daniel Schmitz, and Brenden Woods, Stonepeak; Doug Moseley and Will Forde, NEPC; Thomas Lynch, Cliffwater; Mr. Alec Stais, Chief Investment Officer; Mr. Matthew Waters, Adler Pollock & Sheehan, legal counsel; and other members of the Treasurer's Staff.

Treasurer Magaziner called the meeting to order at 9:05 AM.

II. Approval of Minutes

On a motion by Mr. Thomas Fay and seconded by Ms. Sylvia Maxfield, it was **VOTED¹: to approve the draft meeting minutes of the March 20th, 2020 meeting of the State Investment Commission.**

III. Chief Investment Officer Report

Treasurer Magaziner noted the challenging market conditions resulting from the spread of the Covid-19 virus and stated that the investment team is monitoring the situation closely. The Treasurer noted that while the situation remains fluid, early indications suggest that the Plan's diversified strategy has benefited the system by mitigating potential losses.

Mr. Alec Stais, Chief Investment Officer, discussed the Plan's performance across the different asset classes and buckets, highlighting the positive effects of diversification. Mr. Stais pointed out the strong performance of the Crisis Protection Class Program which performed as designed, offsetting losses elsewhere in the Total Plan and contributing to the Plan's outperformance relative to its benchmarks.

¹ Ms. Karen Hazard was muted during this roll call vote and her vote was not audible. Her temporary absence did not impact quorum and the vote was otherwise unanimous.

The Board asked questions.

IV. Investment Grade Securitized Credit Investment Recommendation, Loomis, Sayles & Company

Mr. Will Forde, NEPC, provided background on the Securitized Credit manager search and introduced Loomis, Sayles & Company.

Mr. John Meyer and Mr. Alessandro Pagani, Loomis Sayles, provided an overview of the firm, the team, and the Investment Grade Securitized Credit Strategy. Mr. Pagani highlighted Loomis Sayles's approach, pairing fundamental research with a diverse modeling.

The Board asked questions.

On a motion by Ms. Karen Hammond and seconded by Ms. Sylvia Maxfield, it was unanimously **VOTED: that the Rhode Island Employees Retirement Systems Pooled Trust allocate 3.25% of Total Plan Assets to Loomis, Sayles & Company to manage the Investment Grade Securitized Credit allocation under the proposed flat fee structure (0.22%), subject to legal and investment staff review.**

V. Investment Grade Corporate Credit Investment Recommendation, Fidelity

Mr. Will Forde, NEPC, provided background on the Investment Grade Corporate Credit manager search and introduced Fidelity.

Mr. Sean Walker, Fidelity, provided an overview of the firm, the team, and the US Investment Grade Credit Strategy. Mr. Walker highlighted Fidelity's track record and institutional breadth.

The Board asked questions.

On a motion by Ms. Sylvia Maxfield and seconded by Ms. Michael Costello, it was unanimously **VOTED: that the Rhode Island Employees Retirement Systems Pooled Trust allocate 3.25% of Total Plan Assets to Fidelity to manage the Investment Grade Corporate Credit allocation under the proposed flat fee structure (0.18% on the first \$250 million, 0.15% on the next \$250 million, and 0.12% thereafter), subject to legal and investment staff review.**

VI. Infrastructure Investment Recommendation, Stonepeak Infrastructure Fund IV LP

Mr. Thomas Lynch, Cliffwater, introduced Stonepeak, highlighting its large, experienced team and track record with the state.

Mr. Michael Dorrell provided updates on the performance of Stonepeak's previous funds and details about Fund IV. Mr. Dorrell highlighted Stonepeak's defensive focus on stable investments which can offer strong performance in challenging economic environments.

On a motion by Mr. Thomas Fay and seconded by Ms. Karen Hammond, it was unanimously **VOTED: that the Rhode Island Employees Retirement Systems Pooled Trust make a commitment of up to \$50 million to Stonepeak Infrastructure Fund IV LP, subject to legal and investment staff review.**

VII. Infrastructure Investment Recommendation, Amendment to Stonepeak Infrastructure Fund – Master Co-Investment Partners LP

Mr. Thomas Lynch provided a description of Stonepeak Infrastructure Fund – Master Co-Investment Partners LP, including the previous investments made by the Plan in this fund.

On motion by Mr. Michael Costello and seconded by Ms. Karen Hammond, it was unanimously **VOTED: to adopt the recommendation to increase ERSRI's current commitment in Stonepeak Infrastructure Fund – Master Co-Investment Partners L.P. from \$20 to \$30 million, subject to legal and investment staff review.**

VIII. Legal Counsel Report

There was no legal counsel report.

Treasurer's General Comments

Treasurer Magaziner asked if there were any further comments or questions and thanked the Board and Staff.

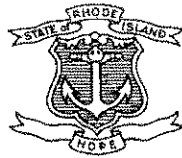
On a motion by Mr. Thomas Fay and seconded by Ms. Karen Hammond, it was unanimously **VOTED: to adjourn the meeting at 11:03 AM.**

Respectfully submitted,

**Seth Magaziner,
General Treasurer**

Section III.

Staff Summary



State of Rhode Island and Providence Plantations
Office of the General Treasurer

Seth Magaziner

General Treasurer

State Investment Commission
State of Rhode Island, State House
Providence, Rhode Island

May 20, 2020

This is to certify that the amounts so listed below belong to the credit of the Employees' Retirement, Municipal Employees', State Police and Judicial Retirement Systems of the State of Rhode Island at the close of business on April 30, 2020

**Employees' Retirement System of Rhode Island
Composite Reporting Investment Valuation
April 30, 2020**

Asset Class		Base Market Value
Grand Total		8,300,796,212
CASH EQUIVALENT*		355,487,220
GLOBAL PUBLIC EQUITY		3,433,286,341
EQUITY OPTIONS		156,613,394
EMERGING MARKET DEBT		80,566,855
CREDIT		263,691,842
INFLATION-LINKED BDS		152,129,347
REIT - US FOCUSED		81,361,915
PRIVATE EQUITY**		947,856,772
REAL ESTATE**		496,509,091
HEDGE FUNDS**		559,920,112
INFRASTRUCTURE**		282,570,077
US TRADITIONAL FIXED		550,047,004
CPC PROGRAM		940,756,242

Plan Allocations	%	Base Market Value
Grand Total	100.00%	8,300,796,212
STATE EMP RET PLAN	73.58%	6,107,826,446
MUNI EMP RET PLAN	19.43%	1,613,159,940
TEACHER'S SURVIVOR BENEFIT	4.01%	332,807,919
STATE POLICE RET PL	1.79%	148,882,901
JUDICIAL RET PLAN	0.94%	77,643,987
NON-CONTRIB JUD RET	0.01%	1,035,943
NON-CONT ST POL RET	0.23%	19,439,076

* Cash & Short-Term Investments, as shown, also includes amounts available within specific active-manager mandates, and thus as aggregated will not tie directly to separate cash allocations as reported elsewhere.

** Alternative Investments – comprising the five components as indicated – have varying degrees of liquidity and may not have readily determinable market values. As such, they may be based on appraisals only.

Respectfully submitted,

Vincent Izzo

Investment Accounting Manager

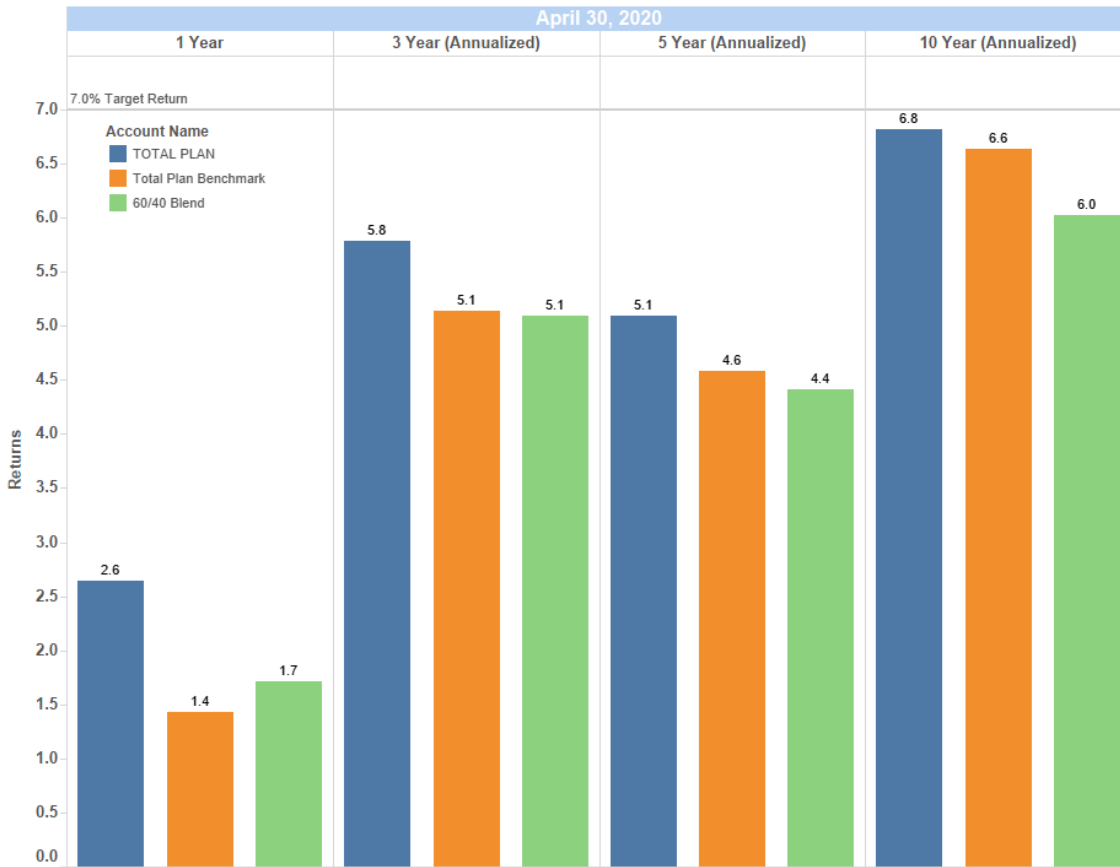
April 2020

The Total Plan's net of fees return was 5.75% during the month of April, just beating the Total Plan Benchmark, which returned 5.73%. The 60% global equity/40% fixed income benchmark returned 7.14%. In absolute terms, the plan's Total Public Growth Bucket was the greatest contributor to performance, with a net return of 10.81%. The Plan's Total Public Growth bucket was also the primary contributor to the Total Plan's relative outperformance, beating its benchmark by 0.1%.

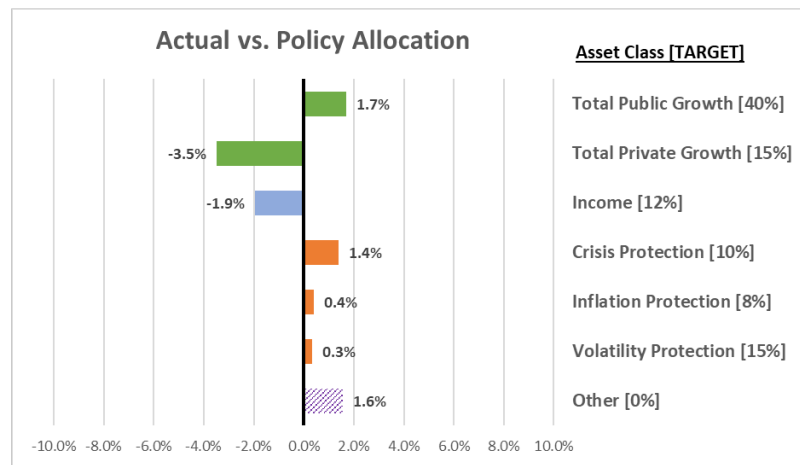
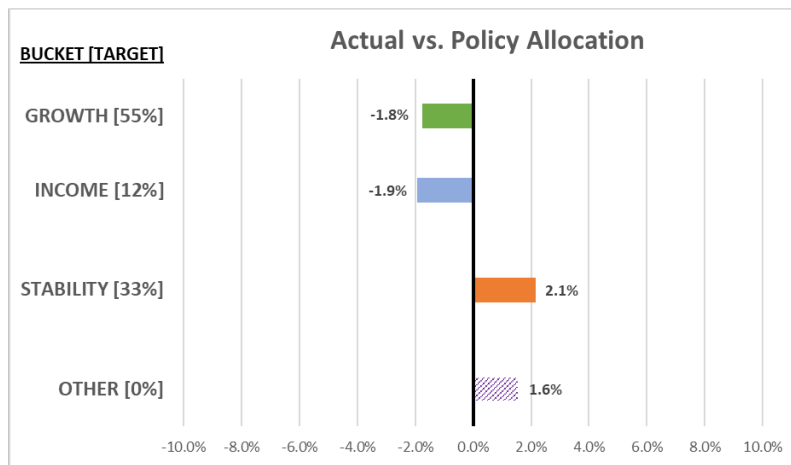
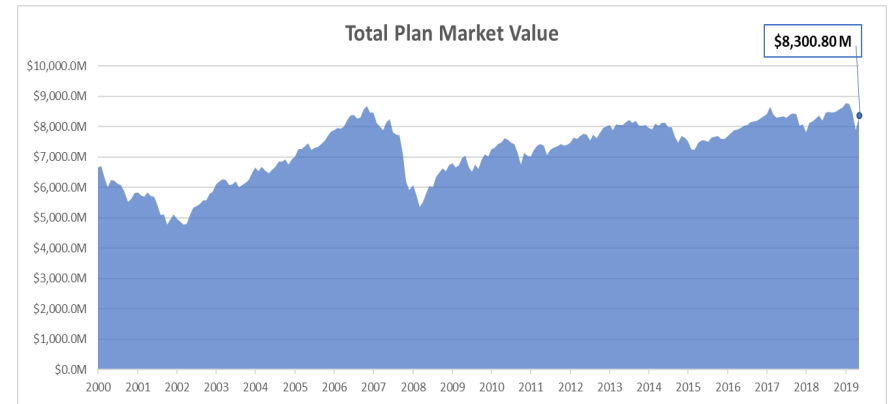
Calendar year-to-date, the Total Plan has lost -4.33% net of fees, outperforming the Total Plan Benchmark loss of -4.85%. The 60% global equity/40% fixed income benchmark lost -5.74% during the same period. The Plan's Crisis Protection Class has been a primary contributor to the Total Plan's YTD absolute performance, returning 15.41% net of fees to help offset losses elsewhere in the portfolio. On a relative basis, the portfolio's outperformance compared to the Total Plan benchmark was also driven by the Crisis Protection Class, which achieved an excess return of 6.82% relative to its benchmark.

Fiscal year-to-date, the Plan has gained 1.19% net of fees, outperforming the Total Plan benchmark, which lost -0.34%. The 60% global equity/40% fixed income benchmark gained 0.25% during the same period. The Crisis Protection Class has been a primary contributor to the Total Plan's FYTD absolute performance, returning 16.63%. The Crisis Protection Class was also the primary driver of excess returns over the Total Plan Benchmark, outperforming its benchmark by 10.2%.

Total Plan – April 30th, 2020



	Apr-2020	YTD	FYTD	1 Year	Annualized			Inception
					3 Years	5 Years	ITD	
GROWTH	8.59	-10.31	-2.73	-2.12			5.56	7/1/2017
GROWTH BM	8.07	-8.25	-1.35	-0.11				
Public Growth	10.81	-13.54	-5.99	-5.91	4.25	4.27	4.32	7/1/2000
Public Growth BM	10.71	-12.94	-5.17	-4.96	4.46	4.37		
Private Growth	1.16	4.16	11.55	15.44			15.51	7/1/2017
Private Growth BM	1.03	3.84	7.77	11.97				
INCOME	6.41	-9.97	-7.77	-7.11			-0.36	7/1/2017
INCOME BM	7.32	-9.72	-8.60	-7.49			0.05	7/1/2017
STABILITY	1.35	5.66	8.30	11.25			6.26	7/1/2017
STABILITY BM	1.25	2.39	3.75	6.32				
CPC	0.29	15.41	16.63	22.76			7.50	7/1/2017
CPC BM	0.02	8.59	6.43	12.04			3.22	7/1/2017
Inflation Protection	0.99	2.03	5.81	7.47			6.86	7/1/2017
Inflation Protection BM	0.54	1.67	3.77	4.93			5.07	7/1/2017
Volatility Protection	2.36	1.56	4.19	6.52			4.73	7/1/2017
Volatility Protection BM	2.44	-1.40	0.74	2.69				
TOTAL PLAN	5.75	-4.33	1.19	2.65	5.78	5.10	4.98	7/1/2000
TOTAL PLAN BM	5.73	-4.85	-0.34	1.42	5.14	4.58		
60/40	7.14	-5.74	0.25	1.71	5.09	4.41		



* Allocation reflects physical exposure; Russell Overlay rebalancing program classified as, "Other"

Section IV.

Asset Allocation

ERSRI Asset Allocation Tracking

Functional Bucket	Aggregate Asset Class	Aggregate Allocation Weight	Asset Class	(a) Strategic Benchmark Weight/Target Allocation	(b) Actual exposure as of 04/30/20	(b) - (a)
GROWTH	Global Equity	40.0%	US Equity	23.1%	24.2%	1.1%
			International Developed Equity	12.1%	12.8%	0.7%
			EM Equity	4.7%	4.7%	0.0%
	Private Growth	15.0%	PE	11.25%	8.8%	-2.5%
			Non-core RE	2.25%	1.9%	-0.3%
			Opp Private Credit	1.5%	0.8%	-0.7%
INCOME	Income	12.0%	HY Infra	1.0%	1.0%	0.0%
			REITs	1.0%	1.0%	0.0%
			Equity Options	2.0%	1.9%	-0.1%
			EMD (50/50 Blend)	2.0%	1.0%	-1.0%
			Liquid Credit	2.8%	3.4%	0.6%
			Private Credit	3.2%	1.8%	-1.4%
STABILITY	CPC	10.0%	Treasury Duration	5.0%	5.7%	0.7%
			Systematic Trend	5.0%	5.7%	0.7%
	Inflation Protection	8.0%	Core RE	3.6%	4.0%	0.4%
			Private Infra	2.4%	2.5%	0.1%
			TIPs	2.0%	1.9%	-0.1%
	Volatility Protection	15.0%	IG Fixed Income	-	6.7%	6.7%
			IG Corp. Credit	3.25%	-	-3.3%
			Securitized Credit	3.25%	-	-3.3%
			Absolute Return	6.5%	6.7%	0.2%
			Strategic Cash	2.0%	1.9%	-0.1%
OTHER	Short-term Tactical	-	Short-Term Cash	-	0.4%	0.4%
		-	Russell Overlay	-	0.8%	0.8%
TOTAL	Total	100.0%		100.0%	100.0%	0.0%

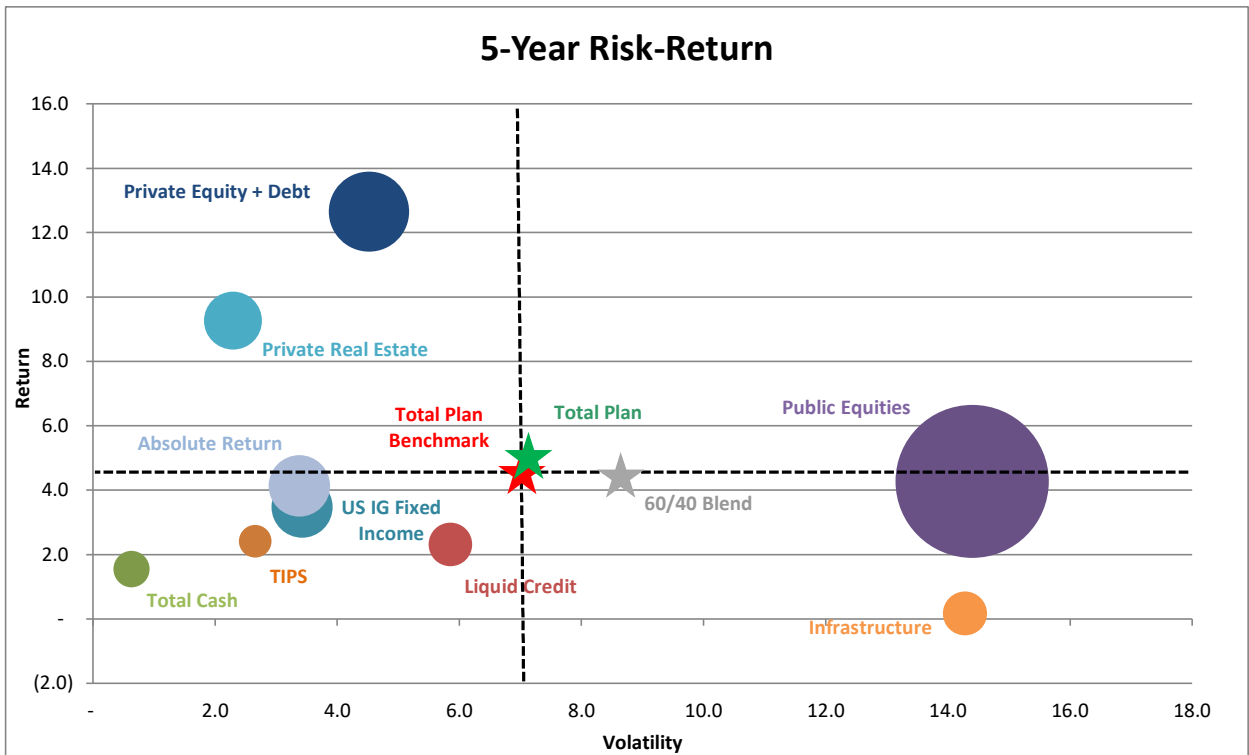
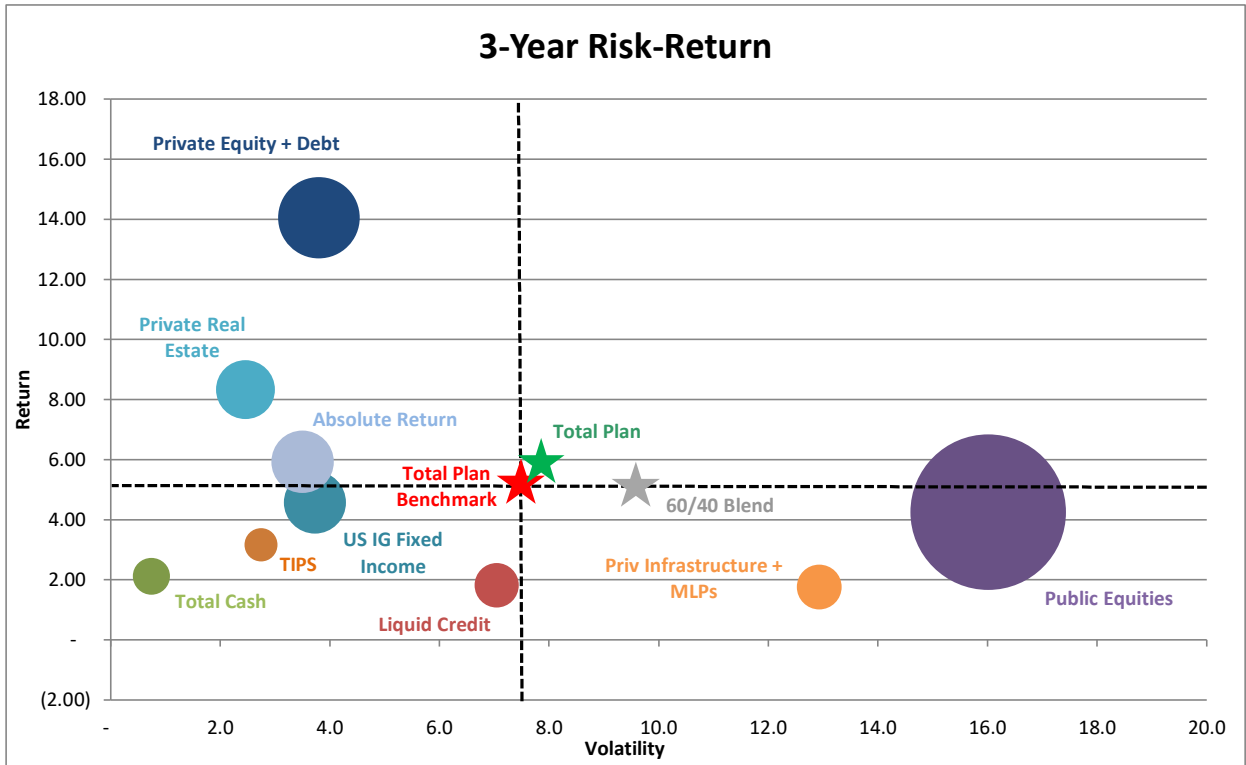
Section V.

Risk Overview

ERSRI Portfolio

% - as of April 30, 2020

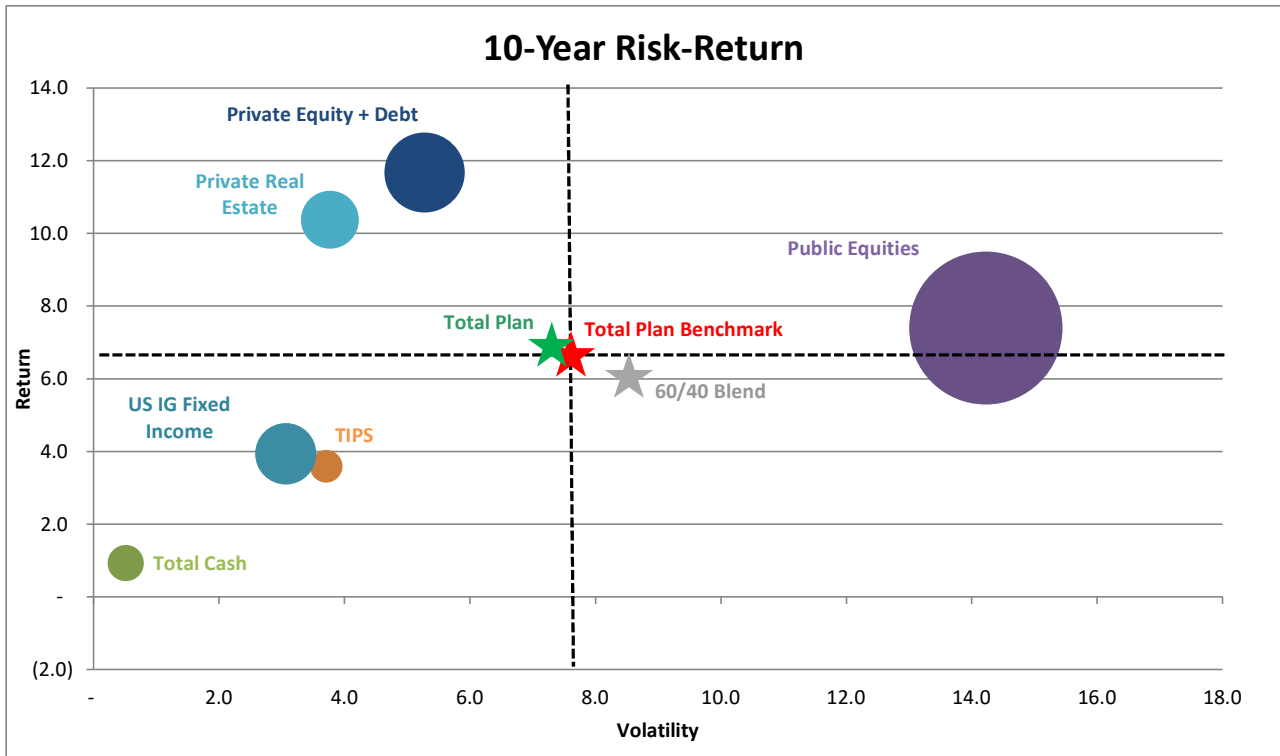
Bubble-Size Scaled based on Current Allocations



ERSRI Portfolio

% - as of April 30, 2020

Bubble-Size Scaled based on Current Allocations



Section VI.

Performance Overview



Total Performance Summary

TOTAL NET OF FEES

4/30/2020

Account Name Benchmark Name	Market Value	% of Total	Month	YTD	Fiscal YTD	Annualized				ITD	Inception Date
						1 Year	3 Years	5 Years	10 Years		
US Public Equity <i>Russell 3000 Index</i>	1,300,886,394	16	13.28 13.24	-10.33 -10.42	-1.03 -1.14	-0.91 -1.04	8.13 8.02	8.43 8.33	11.04 11.29	7.74 7.71	Aug-2007 Aug-2007
Non-US Public Equity <i>Total International Equity BM</i>	1,041,946,260	13	7.76 7.58	-17.28 -17.55	-11.47 -11.80	-11.35 -11.51	0.05 -0.25	0.09 -0.17	3.10 2.90	6.09 5.43	May-2009 May-2009
QVM Tilt <i>MSCI World Net Dividend Index</i>	1,119,330,941	13	10.91 10.92	-13.51 -12.43	-6.06 -4.42	-6.10 -4.00	4.36 4.99			7.46 7.90	Oct-2015 Oct-2015
Total Public Growth <i>MSCI All Country World Net Index</i>	3,462,163,596	42	10.81 10.71	-13.54 -12.94	-5.99 -5.17	-5.91 -4.96	4.25 4.46	4.27 4.37	7.40 6.94	4.32	Jul-2000 Jul-2000
Private Equity <i>ILPA All Fds BM 1Q Lag 2</i>	728,418,364	9	2.39 2.39	5.32 5.32	14.20 9.73	18.39 14.66	16.55 13.82	14.12 11.44	12.40 13.42	9.85	Feb-1989 Feb-1989
Non Core Real Estate	161,541,254	2	-0.46	2.76	6.02	10.60				15.71	Jul-2017
Opportunistic Private Credit <i>ILPA Distressed BM 1Q Lag</i>	66,679,356	1	-7.92 -7.92	-4.71 -4.71	-1.91 -2.97	-2.74 0.42				6.73 4.04	Jul-2017 Jul-2017
Total Private Growth <i>Private Growth Benchmark</i>	956,638,974	12	1.16 1.03	4.16 3.84	11.55 7.77	15.44 11.97				15.51	Jul-2017 Jul-2017
TOTAL GROWTH COMPOSITE <i>Total Growth Composite BM</i>	4,418,802,569	53	8.59 8.07	-10.31 -8.25	-2.73 -1.35	-2.12 -0.11				5.56	Jul-2017 Jul-2017
Harvest Fund Advisor <i>Alerian MLP Index</i>	80,256,509	1	32.33 49.62	-31.32 -35.95	-35.37 -41.64	-34.20 -40.79	-14.25 -18.34	-12.01 -15.03		-10.97 -14.06	Jan-2015 Jan-2015
Heitman US Focused <i>MSCI US REIT Index</i>	81,760,563	1	9.96 8.18	-15.67 -21.28	-10.02 -16.40					-8.47 -15.48	Jun-2019 Jun-2019
NB Index Fund <i>CBOE S&P 500 PutWrite Price BM</i>	156,613,394	2	6.86 5.23							-10.51 -18.22	Feb-2020 Feb-2020
Wellington EMD (50/50 Blend) <i>JP Morgan EMBI Global Div Index</i> <i>JP Morgan GBI-EM Index</i>	80,566,855	1	0.71 -0.53 1.35							0.71 -0.53 1.35	Apr-2020 Apr-2020 Apr-2020
Liquid Credit <i>Liquid Credit BM (50% BoA US HY/50% CS LL)</i>	282,469,475	3	3.74 4.04	-7.99 -9.64	-4.82 -6.72	-4.25 -6.18	1.82 0.93	2.31 2.27		2.52 2.80	May-2013 May-2013
Private Credit <i>S&P LSTA Lev Loans + 3%</i>	152,759,052	2	1.00 0.64	1.00 3.50	5.43 7.58	5.39 9.54				4.06 7.41	Jul-2017 Jul-2017
TOTAL INCOME COMPOSITE <i>Income Aggregate BM</i>	834,425,848	10	6.41 7.32	-9.97 -9.72	-7.77 -8.60	-7.11 -7.49				-0.36 0.05	Jul-2017 Jul-2017



Total Performance Summary

TOTAL NET OF FEES

4/30/2020

Account Name Benchmark Name	Market Value	% of Total	Month	YTD	Fiscal YTD	Annualized				ITD	Inception Date
						1 Year	3 Years	5 Years	10 Years		
CPC Long Duration <i>Barclays US Treasury LT Index</i>	474,422,609	6	1.09 2.02	23.14 23.35	27.45 27.62	37.58 37.79				12.45 12.67	Jun-2017 Jun-2017
CPC Trend Following <i>Credit Suisse Liquid Alt Beta</i>	472,274,537	6	-0.50 -1.99	8.03 -5.02	6.51 -11.99	9.20 -9.72				2.05 -6.23	Jun-2017 Jun-2017
Total Crisis Protection 50/50 CPC Custom BM	946,697,146	11	0.29 0.02	15.41 8.59	16.63 6.43	22.76 12.04				7.50 3.22	Jun-2017 Jun-2017
Priv Listed Infrastructure <i>CPI + 4% 1 Mo Lag</i>	205,344,277	2	1.90 0.12	3.50 1.66	11.30 4.11	14.46 5.54	13.34 5.92	10.99		10.61	Mar-2015 Mar-2015
Core Real Estate <i>NFI-ODCE BM 2</i>	334,967,837	4	0.00 0.00	1.03 1.27	3.70 3.15	4.56 4.39				5.81 5.93	Jul-2017 Jul-2017
Inflation-Linked Bonds <i>Total Inflation Linked Custom</i>	157,183,995	2	1.97 2.03	2.33 2.34	4.06 3.99	6.28 6.16	3.17 3.07	2.41 2.41	3.59 3.59	3.77 3.75	Nov-2009 Nov-2009
Total Inflation Protection Inflation Protection Custom BM	697,496,109	8	0.99 0.54	2.03 1.67	5.81 3.77	7.47 4.93				6.86 5.07	Jul-2017 Jul-2017
Absolute Return <i>HFRI Fund of Funds Composite Index</i>	559,920,722	7	2.39 2.67	0.08 -5.96	2.97 -3.99	4.77 -3.43				6.07 0.75	Jul-2017 Jul-2017
Traditional Fixed Income <i>Bloomberg Barclays U.S. Aggregate Bond Index</i>	552,681,737	7	2.55 1.78	2.84 4.98	5.62 7.56	8.74 10.84	4.58 5.17	3.48 3.80	3.94 3.96	5.15 5.12	Jul-2000 Jul-2000
Strategic Cash <i>ICE BofAML US Treasury Notes 0-1 Year</i>	160,917,147	2	1.11 -0.01	0.55 1.03	1.80 2.15	2.31 2.71	2.10 2.05			1.99 1.93	Feb-2017 Feb-2017
Total Volatility Protection Total Volatility Protection BM	1,273,522,286	15	2.36 2.44	1.56 -1.40	4.19 0.74	6.52 2.69				4.73 4.73	Jul-2017 Jul-2017
TOTAL STABILITY COMPOSITE Total Stability Composite BM	2,917,715,541	35	1.35 1.25	5.66 2.39	8.30 3.75	11.25 6.32				6.26 6.26	Jul-2017 Jul-2017
Short-Term Cash	33,872,407	0	0.03	0.32	1.41	2.53				2.69	Jul-2017
Russell Overlay Fd	67,273,163	1	0.17	0.49	0.47	0.52	0.22	0.14	0.03	0.01	Sep-2008
TOTAL PLAN Total Plan Benchmark 60/40 Blend	8,300,796,212	100	5.75 5.73 7.14	-4.33 -4.85 -5.74	1.19 -0.34 0.25	2.65 1.42 1.71	5.78 5.14 5.09	5.10 4.58 4.41	6.82 6.64 6.02	4.98 4.98 4.98	Jul-2000 Jul-2000 Jul-2000
Total Plan ex PE,RE & Priv Inf Total Plan BM ex PE RE	6,651,086,072	80	6.99 7.32	-5.94 -7.51	-0.51 -2.73	0.74 -1.39	4.57 3.50	4.00 3.29	5.96 5.79	6.07 6.07	Apr-1996 Apr-1996

END NOTES

4/30/2020

TOTAL PLAN

The current composition of the Total Plan Benchmark is as follows:

GROWTH

Total Public Growth

40% MSCI ACWI Net

Total Private Growth

11.25% ILPA All Funds Index, 1Q Lag

2.25% ODCE, 1Q Lag + 2.5%

1.5% ILPA Distressed Index, 1Q Lag

INCOME

1% Alerian MLP Index

1% MSCI US REIT Index

2% CBOE PUT Index

2% EMD 50/50 Blended Benchmark (50% JPM EMBI/50% GBI-EM)

2.8% Liquid Credit Custom (50% BofA US HY/50% CS LL)

3.2% S&P LSTA Lev Loans + 3%

STABILITY

Crisis Protection Class

5% CS Managed Futures 18% Vol Index

5% Barclays Long Duration US Treasury Index

Inflation Protection

3.6% NFI-ODCE Index, 1Q Lag

2.4% CPI + 4%, 1 Month Lag

2% Barclays 1-10 Year TIPS Index

Volatility Protection

3.25% Bloomberg Barclays US Corporate Bond Index

3.25% Bloomberg Barclays Securitized MBS/ABS/CMBS Index

6.5% HFRI FOF Composite

2.0% BofA Merrill Lynch US T-Notes 0-1 Yr



Total Performance Summary

TOTAL NET OF FEES

4/30/2020

Account Name Benchmark Name	Market Value	% of Total	Month	Cumulative		YTD	2019	2018	2017	Inception Date
				3/1/2020 - 3/31/2020	2/1/2020 - 2/29/2020					
US Public Equity <i>Russell 3000 Index</i>	1,300,886,394	16	13.28 13.24	-13.67 -13.75	-8.19 -8.19	-10.33 -10.42	31.16 31.02	-5.17 -5.24	21.14 21.13	Aug-2007 Aug-2007
Non-US Public Equity <i>Total International Equity BM</i>	1,041,946,260	13	7.76 7.58	-14.42 -14.48	-7.43 -7.90	-17.28 -17.55	21.27 21.51	-13.85 -14.20	27.76 27.19	May-2009 May-2009
QVM Tilt <i>MSCI World Net Dividend Index</i>	1,119,330,941	13	10.91 10.92	-13.84 -13.23	-8.65 -8.45	-13.51 -12.43	24.42 27.67	-7.96 -8.71	23.36 22.40	Oct-2015 Oct-2015
Total Public Growth <i>MSCI All Country World Net Index</i>	3,462,163,596	42	10.81 10.71	-13.96 -13.50	-8.10 -8.08	-13.54 -12.94	25.77 26.60	-9.20 -9.41	24.11 23.97	Jul-2000 Jul-2000
Private Equity <i>ILPA All Fds BM 1Q Lag 2</i>	728,418,364	9	2.39 2.39	1.92 1.92	1.19 1.19	5.32 5.32	12.54 7.27	17.38 16.01	19.69 15.74	Feb-1989 Feb-1989
Non Core Real Estate	161,541,254	2	-0.46	2.38	0.83	2.76	8.19	25.66		Jul-2017
Opportunistic Private Credit <i>ILPA Distressed BM 1Q Lag</i>	66,679,356	1	-7.92 -7.92	-1.13 -1.13	3.03 3.03	-4.71 -4.71	1.40 2.42	11.81 7.95		Jul-2017 Jul-2017
Total Private Growth <i>Private Growth Benchmark</i>	956,638,974	12	1.16 1.03	1.80 1.55	1.24 1.22	4.16 3.84	11.02 6.78	18.83 14.22		Jul-2017 Jul-2017
TOTAL GROWTH COMPOSITE <i>Total Growth Composite BM</i>	4,418,802,569	53	8.59 8.07	-10.81 -9.40	-6.36 -5.54	-10.31 -8.25	23.15 21.04	-5.23 -3.23		Jul-2017 Jul-2017
Harvest Fund Advisor <i>Alerian MLP Index</i>	80,256,509	1	32.33 49.62	-40.06 -47.23	-9.74 -14.05	-31.32 -35.95	14.57 6.56	-13.27 -12.42	-5.26 -6.52	Jan-2015 Jan-2015
Heitman US Focused <i>MSCI US REIT Index</i>	81,760,563	1	9.96 8.18	-18.36 -21.79	-7.65 -8.00	-15.67 -21.28				Jun-2019 Jun-2019
NB Index Fund <i>CBOE S&P 500 PutWrite Price BM</i>	156,613,394	2	6.86 5.23	-8.02 -13.42	-8.95 -10.25					Feb-2020 Feb-2020
Wellington EMD (50/50 Blend) <i>JP Morgan EMBI Global Div Index</i> <i>JP Morgan GBI-EM Index</i>	80,566,855	1	0.71 -0.53 1.35							Apr-2020 Apr-2020 Apr-2020
Liquid Credit <i>Liquid Credit BM (50% BoA US HY/50% CS LL)</i>	282,469,475	3	3.74 4.04	-10.03 -12.11	-1.53 -1.45	-7.99 -9.64	10.99 11.27	0.78 -0.57	3.54 4.60	May-2013 May-2013
Private Credit <i>S&P LSTA Lev Loans + 3%</i>	152,759,052	2	1.00 0.64	0.02 1.90	-0.01 0.96	1.00 3.50	3.24 6.10	3.71 8.19		Jul-2017 Jul-2017
TOTAL INCOME COMPOSITE <i>Income Aggregate BM</i>	834,425,848	10	6.41 7.32	-11.45 -12.39	-4.18 -3.51	-9.97 -9.72	11.52 8.70	-2.47 0.57		Jul-2017 Jul-2017



Total Performance Summary

TOTAL NET OF FEES

4/30/2020

Account Name Benchmark Name	Market Value	% of Total	Month	Cumulative		YTD	2019	2018	2017	Inception Date
				3/1/2020 - 3/31/2020	2/1/2020 - 2/29/2020					
CPC Long Duration <i>Barclays US Treasury LT Index</i>	474,422,609	6	1.09 2.02	6.95 6.05	6.65 6.70	23.14 23.35	14.90 14.83	-1.89 -1.84		Jun-2017 Jun-2017
CPC Trend Following <i>Credit Suisse Liquid Alt Beta</i>	472,274,537	6	-0.50 -1.99	6.07 5.86	1.72 -3.87	8.03 -5.02	3.86 -9.85	-15.11 -10.01		Jun-2017 Jun-2017
Total Crisis Protection <i>50/50 CPC Custom BM</i>	946,697,146	11	0.29 0.02	6.52 5.96	4.20 1.42	15.41 8.59	9.33 1.98	-7.99 -5.45		Jun-2017 Jun-2017
Priv Listed Infrastructure <i>CPI + 4% 1 Mo Lag</i>	205,344,277	2	1.90 0.12	-0.05 0.59	0.00 0.71	3.50 1.66	16.67 6.05	13.32 6.18	12.45 6.20	Mar-2015 Mar-2015
Core Real Estate <i>NFI-ODCE BM 2</i>	334,967,837	4	0.00 0.00	0.00 1.27	0.44 0.00	1.03 1.27	5.03 4.64	7.22 7.71		Jul-2017 Jul-2017
Inflation-Linked Bonds <i>Total Inflation Linked Custom</i>	157,183,995	2	1.97 2.03	-1.95 -1.83	1.02 0.87	2.33 2.34	7.03 6.85	-0.23 -0.25	1.73 1.90	Nov-2009 Nov-2009
Total Inflation Protection <i>Inflation Protection Custom BM</i>	697,496,109	8	0.99 0.54	-0.50 0.29	0.47 0.43	2.03 1.67	8.22 5.70	6.30 3.84		Jul-2017 Jul-2017
Absolute Return <i>HFRI Fund of Funds Composite Index</i>	559,920,722	7	2.39 2.67	-3.84 -7.25	0.89 -1.53	0.08 -5.96	8.92 8.39	4.48 -4.02		Jul-2017 Jul-2017
Traditional Fixed Income <i>Bloomberg Barclays U.S. Aggregate Bond Index</i>	552,681,737	7	2.55 1.78	-2.96 -0.59	1.36 1.80	2.84 4.98	9.33 8.72	-0.50 0.01	3.99 3.54	Jul-2000 Jul-2000
Strategic Cash <i>ICE BofAML US Treasury Notes 0-1 Year</i>	160,917,147	2	1.11 -0.01	-1.12 0.60	0.29 0.27	0.55 1.03	2.94 2.57	1.88 1.92		Feb-2017 Feb-2017
Total Volatility Protection <i>Total Volatility Protection BM</i>	1,273,522,286	15	2.36 2.44	-3.11 -4.45	1.06 -0.10	1.56 -1.40	8.31 7.75	1.41 -0.95		Jul-2017 Jul-2017
TOTAL STABILITY COMPOSITE <i>Total Stability Composite BM</i>	2,917,715,541	35	1.35 1.25	0.48 -0.15	1.86 0.49	5.66 2.39	8.52 6.18	0.57 -0.79		Jul-2017 Jul-2017
Short-Term Cash	33,872,407	0	0.03	0.03	0.12	0.32	4.93	1.76		Jul-2017
Russell Overlay Fd	67,273,163	1	0.17	0.06	0.25	0.49	0.17	0.06	-0.09	Sep-2008
TOTAL PLAN <i>Total Plan Benchmark</i> <i>60/40 Blend</i>	8,300,796,212	100	5.75 5.73 7.14	-6.71 -6.70 -8.34	-3.07 -3.31 -4.13	-4.33 -4.85 -5.74	16.66 14.51 19.41	-2.69 -1.94 -5.52	14.48 14.30 15.41	Jul-2000 Jul-2000 Jul-2000
Total Plan ex PE,RE & Priv Inf <i>Total Plan BM ex PE RE</i>	6,651,086,072	80	6.99 7.32	-8.49 -9.31	-3.92 -4.67	-5.94 -7.51	18.20 17.16	-5.64 -6.02	14.66 14.79	Apr-1996 Apr-1996

END NOTES

4/30/2020

TOTAL PLAN

The current composition of the Total Plan Benchmark is as follows:

GROWTH

Total Public Growth

40% MSCI ACWI Net

Total Private Growth

11.25% ILPA All Funds Index, 1Q Lag

2.25% ODCE, 1Q Lag + 2.5%

1.5% ILPA Distressed Index, 1Q Lag

INCOME

1% Alerian MLP Index

1% MSCI US REIT Index

2% CBOE PUT Index

2% EMD 50/50 Blended Benchmark (50% JPM EMBI/50% GBI-EM)

2.8% Liquid Credit Custom (50% BofA US HY/50% CS LL)

3.2% S&P LSTA Lev Loans + 3%

STABILITY

Crisis Protection Class

5% CS Managed Futures 18% Vol Index

5% Barclays Long Duration US Treasury Index

Inflation Protection

3.6% NFI-ODCE Index, 1Q Lag

2.4% CPI + 4%, 1 Month Lag

2% Barclays 1-10 Year TIPS Index

Volatility Protection

3.25% Bloomberg Barclays US Corporate Bond Index

3.25% Bloomberg Barclays Securitized MBS/ABS/CMBS Index

6.5% HFRI FOF Composite

2.0% BofA Merrill Lynch US T-Notes 0-1 Yr

Section VII.

Private Equity & Private Credit

Portfolio Summary

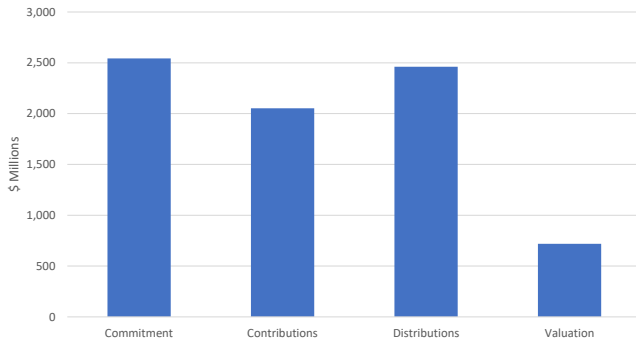
12/31/2019

All Investments

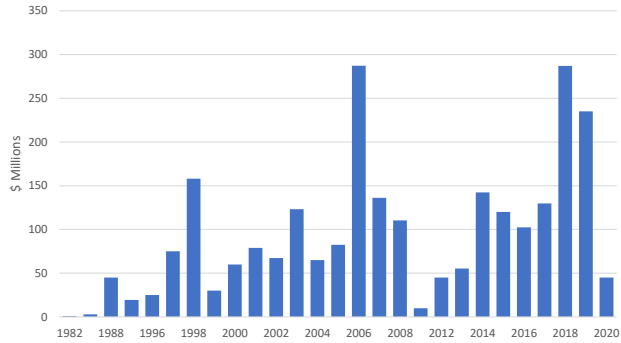
Performance Summary

Asset Class	Investment Type	Number of Investments	Commitment	Contributions	Distributions	Valuation	Multiple of Cost	IRR	TWR
Private Equity Funds									
	Buyout Total	106	2,074,520,759	1,647,845,716	2,005,987,197	532,472,278	1.54	13.92%	12.97%
	Direct Secondary Total	1	25,000,000	14,667,203	-	16,739,112	1.14	14.40%	-1.31%
	Fund of Funds Total	1	45,000,000	45,000,000	106,748,821	-	2.37	19.94%	
	Secondary Total	4	60,000,000	55,009,798	65,371,996	1,931,126	1.22	5.74%	2.49%
	Venture Capital Total	24	338,782,361	290,105,407	283,135,707	167,894,010	1.55	7.56%	5.78%
Total: Private Equity Funds		136	2,543,303,120	2,052,628,123	2,461,243,722	719,036,525	1.55	14.03%	11.97%

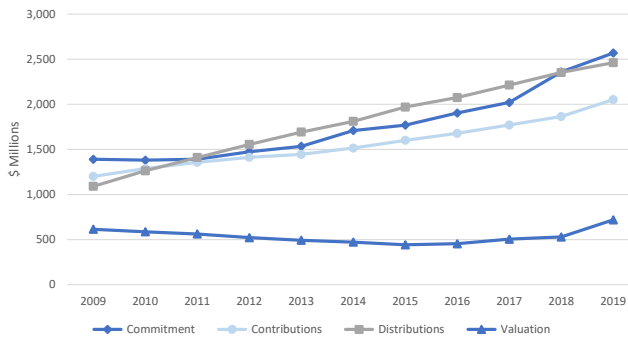
Cash Flow and Valuation Summary



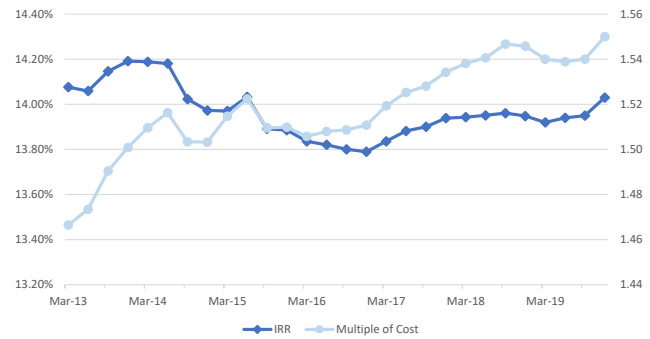
Commitment by Vintage Year



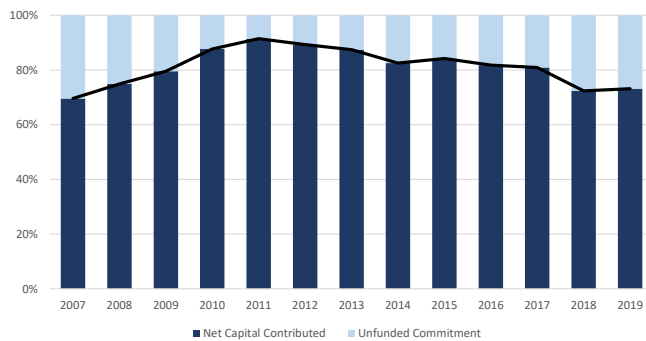
Historical Cash Flows and Valuation



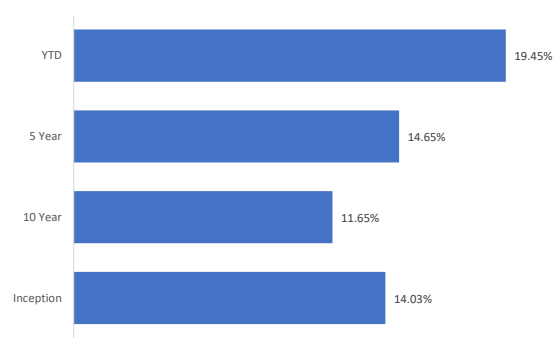
Historical Performance



Historical Percent Funded



Period IRRs



Employees' Retirement System of Rhode Island Private Equity Performance
12/31/2019

Current Partnerships	Vintage Year/Initial Investment	Type	Amount Committed (In \$ unless otherwise noted)	Cumulative Cash Flows (\$)			Valuation (\$)	Cumulative Performance*	
				Amount Drawn	Amount Distributed	Amount Unfunded		Net IRR (%)	Net Multiple of Investment
Nautic Partners V	2000	Buyout	20,000,000	20,331,229	40,506,615	600,000	41,535,607	17.02	2.04
CVC European Equity Partners III	2001	Buyout	€ 20,000,000	23,760,732	59,551,716	200,000	60,911,345	41.03	2.56
Parthenon Investors II	2001	Buyout	23,960,000	23,409,381	37,415,960	1,916,800	37,697,029	12.22	1.61
Leeds IV	2003	Buyout	10,000,000	10,209,327	13,390,948	1,100,000	13,412,058	4.28	1.31
Nordic Capital V	2003	Buyout	€ 14,615,550	18,705,873	49,532,513	-	49,656,593	20.21	2.65
TPG Partners IV	2003	Buyout	15,000,000	16,672,684	31,655,907	-	32,072,975	15.42	1.92
Birch Hill Equity Partners III	2005	Buyout	CAD 18,000,000	15,790,610	30,801,252	138,573	32,635,501	13.25	2.07
CVC Equity Partners IV	2005	Buyout	€ 16,500,000	18,185,424	35,560,525	2,217,600	35,580,223	16.64	1.96
Providence Equity Partners V	2005	Buyout	25,000,000	31,142,133	36,171,706	2,250,000	36,519,075	3.05	1.17
Charterhouse VIII	2006	Buyout	15,000,000	15,036,562	15,994,383	-	15,998,539	0.98	1.06
First Reserve Fund XI	2006	Buyout	20,000,000	22,125,580	15,363,164	-	16,182,760	-7.40	0.73
Nordic Capital VI	2006	Buyout	€ 15,000,000	18,245,096	31,464,496	-	31,544,621	8.61	1.73
TPG Partners V	2006	Buyout	20,000,000	20,697,887	27,491,530	400,000	28,566,311	4.96	1.38
Green Equity V	2007	Buyout	20,000,000	20,422,420	39,738,872	1,800,000	47,514,780	18.47	2.33
Kayne Anderson IV	2007	Buyout	15,000,000	16,605,519	17,447,153	-	17,802,142	2.35	1.07
Nautic Partners VI	2007	Buyout	20,000,000	24,238,595	51,065,490	600,000	55,491,283	17.37	2.29
Providence Equity Partners VI	2007	Buyout	25,000,000	29,890,154	32,065,729	1,000,000	38,252,316	4.87	1.28
Trilantic Capital Partners IV	2007	Buyout	11,098,351	11,611,409	17,227,741	1,442,786	18,310,760	13.41	1.58
Bain Capital X	2008	Buyout	25,000,000	24,300,000	36,262,042	750,000	40,652,572	9.76	1.67
CVC Equity Partners V	2008	Buyout	€ 20,000,000	24,520,318	51,224,041	224,000	54,624,014	20.15	2.23
Nordic Capital VII	2008	Buyout	€ 15,000,000	17,321,695	27,324,572	840,000	27,520,525	8.19	1.59
TPG Partners VI	2008	Buyout	10,000,000	13,925,290	16,839,852	400,000	19,149,285	8.56	1.38
Advent International GPE VII-C	2012	Buyout	20,000,000	18,800,000	18,297,183	1,200,000	34,174,147	15.70	1.82
Providence Equity Partners VII	2012	Buyout	25,000,000	32,782,739	30,644,108	3,250,000	54,362,476	21.51	1.66
EnCap Energy IX	2013	Buyout	18,000,000	20,315,507	15,368,157	1,080,000	24,619,224	8.06	1.21
Nordic Capital VIII	2013	Buyout	15,000,000	18,090,773	11,641,491	10,248,000	28,744,661	16.19	1.59
Riverside Capital Appreciation Fund VI	2013	Buyout	20,000,000	18,960,046	15,145,300	1,800,000	27,645,164	12.49	1.46
Carlyle Asia Partners IV	2014	Buyout	30,000,000	34,043,514	13,356,591	2,700,000	42,373,011	8.14	1.24
CVC Capital Partners VI	2014	Buyout	€ 15,000,000	19,695,890	8,910,692	2,856,000	27,618,138	14.44	1.40
Nautic Partners VII	2014	Buyout	20,000,000	18,917,314	27,484,200	3,000,000	36,457,663	41.21	1.93
Riverside Micro-Cap III	2014	Buyout	20,000,000	21,874,016	28,218,547	2,400,000	69,259,226	32.44	3.17
Sorenson Capital Partners III	2014	Buyout	30,000,000	29,863,302	4,502,904	8,700,000	37,948,763	8.58	1.27
Baring Asia VI	2015	Buyout	15,000,000	15,409,165	4,086,436	1,800,000	20,997,688	14.60	1.36
Centerbridge Capital Partners III	2015	Buyout	25,000,000	20,443,551	8,457,301	11,250,000	28,053,916	16.40	1.37
EnCap Energy X	2015	Buyout	25,000,000	22,499,247	4,656,302	4,250,000	26,839,640	8.38	1.19
Paine & Partners Capital IV	2015	Buyout	30,000,000	22,714,430	6,305,447	8,100,000	29,725,347	10.37	1.31
Advent International GPE VIII	2016	Buyout	20,000,000	17,790,000	-	2,200,000	23,019,579	14.98	1.29
Nautic Partners VIII	2016	Buyout	20,000,000	14,077,236	11,217,232	8,000,000	19,209,880	54.22	1.36
Southvest Partners VII	2016	Buyout	37,500,000	16,061,737	2,933,900	22,125,000	13,418,586	-16.28	0.84
Tenex Capital Partners II	2016	Buyout	25,000,000	22,430,499	2,130,062	4,250,000	28,539,792	16.02	1.27
CVC Capital Partners VII	2017	Buyout	€ 35,000,000	19,746,852	165,119	19,600,000	21,083,848	N/M	1.07
EnCap Energy XI	2017	Buyout	50,000,000	14,775,010	-	35,000,000	11,760,029	-24.61	0.80
RLH IV	2017	Buyout	40,000,000	9,593,516	-	30,400,000	10,224,512	3.10	1.00
Altaris Constellation Partners IV	2018	Buyout	24,000,000	11,678,374	-	12,240,000	14,285,381	N/M	1.22
Altaris IV	2018	Buyout	6,000,000	1,848,514	-	4,140,000	2,562,411	N/M	1.39
Baring Asia VII	2018	Buyout	50,000,000	10,403,610	-	39,500,000	10,572,203	N/M	1.02
Carlyle Asia V	2018	Buyout	50,000,000	7,418,588	2,074,509	44,500,000	10,449,563	N/M	1.41

*IRR refers to the fund's Internal Rate of Return, or the annualized compounded yield on an investment. This calculation is typically applied in private equity where there are multiple points at which capital is invested (capital called) and at which it is distributed. A positive IRR means that the fund's current value plus any cash distributions are greater than the cash value contributed and management fees paid. Typically a fund will have a negative IRR during the first few years of its life, a period referred to as the "J-Curve", because cash is invested upfront and it takes time to generate value. It is important to consider a fund's start date (vintage year) when assessing IRRs. Multiple of investment is another indicator of returns, and is calculated by dividing the fund's cumulative distributions and current value, after fees, by the amount of capital paid in. Please note that performance calculations are specific to the ERSRI investment, and were not prepared, reviewed or approved by the General Partners.

**Employees' Retirement System of Rhode Island Private Equity Performance
12/31/2019**

Current Partnerships	Vintage Year/Initial Investment	Type	Amount Committed (In \$ unless otherwise noted)	Cumulative Cash Flows (\$)			Cumulative Performance*		
				Amount Drawn	Amount Distributed	Amount Unfunded	Valuation (\$)	Net IRR (%)	Net Multiple of Investment
German Equity Partners V	2018	Buyout	€ 21,500,000	3,816,792	-	20,227,200	2,848,847	N/M	0.75
Level Equity Opportunities Fund	2018	Growth	15,000,000	4,142,647	-	10,800,000	4,809,634	N/M	1.16
Siris Partners IV	2018	Buyout	50,000,000	23,149,264	-	27,000,000	26,843,857	N/M	1.16
Advent International GPE XI	2019	Buyout	30,000,000	3,450,000	-	26,400,000	3,124,697	N/M	0.91
Hastings Equity IV	2019	Buyout	25,000,000	8,666,387	-	16,250,000	9,599,127	N/M	1.11
Nautic Partners XI	2019	Buyout	25,000,000	177,503	-	24,750,000	108,649	N/M	0.61
Riverside Micro-Cap V	2019	Buyout	25,000,000	5,051,652	-	20,000,000	4,830,770	N/M	0.96
Vinci Capital Partners III-B	2019	Buyout	30,000,000	7,009,757	365,313	23,700,000	5,688,739	N/M	0.81
Eureka III	2019	Direct Secondary	25,000,000	14,667,203	(753)	10,750,000	16,738,359	N/M	1.14
Coller V	2006	Secondary	15,000,000	12,620,912	16,902,008	3,300,000	18,042,860	8.04	1.43
W Capital II	2007	Secondary	15,000,000	14,896,718	19,943,536	1,650,000	20,733,810	10.24	1.39
Granite Global Ventures II	2004	Venture Capital	15,000,000	14,333,510	22,180,375	600,000	23,248,627	6.19	1.62
Leapfrog II	2005	Venture Capital	10,000,000	9,715,000	6,811,564	300,000	10,390,652	1.07	1.07
Alta VIII	2006	Venture Capital	15,000,000	15,000,000	28,214,986	-	53,147,567	20.50	3.54
Castile Ventures III	2006	Venture Capital	5,000,000	5,009,730	1,396,371	-	2,062,768	-14.46	0.41
Granite Global Ventures III	2006	Venture Capital	15,000,000	14,625,748	41,675,138	300,000	42,127,463	18.37	2.88
Point 406 Ventures I	2006	Venture Capital	10,000,000	11,317,207	12,372,105	200,000	18,860,618	7.97	1.67
Point Judith Venture II	2006	Venture Capital	5,000,000	6,286,683	7,928,451	100,000	9,206,120	5.76	1.46
Lighthouse VI	2007	Venture Capital	15,000,000	14,250,000	19,935,237	750,000	20,299,626	6.81	1.42
Paladin III	2008	Venture Capital	10,000,000	13,522,630	9,645,241	200,000	29,162,473	13.55	2.16
Industry Ventures III	2014	Venture Capital	25,000,000	30,933,939	6,719,015	1,750,000	54,927,216	24.42	1.78
Industry Ventures III Co-Inv.	2015	Venture Capital	15,000,000	12,181,301	1,748,504	2,850,000	18,572,707	19.71	1.52
Industry Ventures IV	2015	Venture Capital	20,032,361	14,815,128	502,018	5,208,414	17,082,037	18.04	1.15
Level Equity Growth Partners IV	2018	Growth	17,500,000	5,292,476	-	12,250,000	4,777,297	N/M	0.90
Industry Ventures V	2019	Venture Capital	30,000,000	5,460,000	140,666	24,600,000	6,758,814	N/M	1.24
Other funds in aggregate**			55,000,000	57,992,545	49,805,642	1,050,000	66,345,338		
Total			\$ 1,616,477,428	1,225,766,080	1,175,977,105	535,454,372	1,895,913,833		

*IRR refers to the fund's Internal Rate of Return, or the annualized compounded yield on an investment. This calculation is typically applied in private equity where there are multiple points at which capital is invested (capital called) and at which it is distributed. A positive IRR means that the fund's current value plus any cash distributions are greater than the cash value contributed and management fees paid. Typically a fund will have a negative IRR during the first few years of its life, a period referred to as the "J-Curve", because cash is invested upfront and it takes time to generate value. It is important to consider a fund's start date (vintage year) when assessing IRRs. Multiple of investment is another indicator of returns, and is calculated by dividing the fund's cumulative distributions and current value, after fees, by the amount of capital paid in. Please note that performance calculations are specific to the ERSRI investment, and were not prepared, reviewed or approved by the General Partners.

**Other funds in aggregate are the total commitments to and amounts drawn and distributed by funds whose confidentiality provisions do not permit the disclosure of their performance data. These funds include Braemar Energy Ventures III, Constellation Ventures III, Thomas, Mc Nerney & Partners and Thomas Mc Nerney & Partners II.* In addition, other funds in aggregate includes commitments to funds where no capital has been drawn, as well as funds in final liquidation.

Portfolio Summary

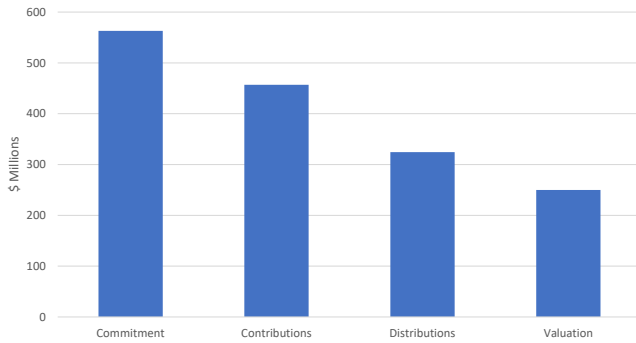
12/31/2019

All Investments

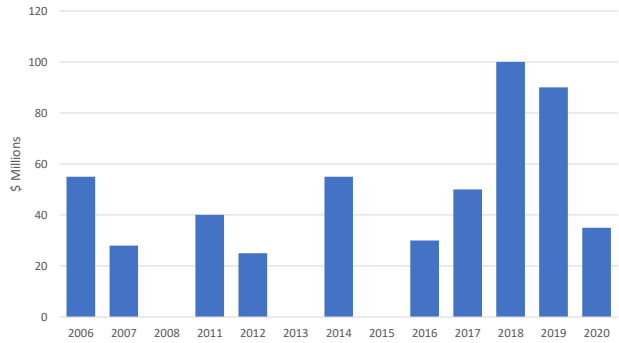
Performance Summary

Asset Class	Investment Type	Number of Investments	Commitment	Contributions	Distributions	Valuation	Multiple of Cost	IRR	TWR
Private Credit Funds									
	Distressed Debt Total	15	298,000,000	234,923,457	257,421,980	69,006,918	1.39	10.18%	9.60%
	Private Credit Total	8	265,000,000	221,876,034	66,879,360	180,794,924	1.12	6.55%	6.70%
Total: Private Credit Funds		23	563,000,000	456,799,492	324,301,339	249,801,841	1.26	9.62%	9.59%

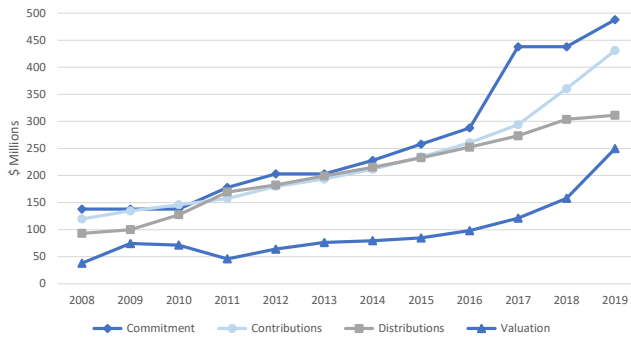
Cash Flow and Valuation Summary



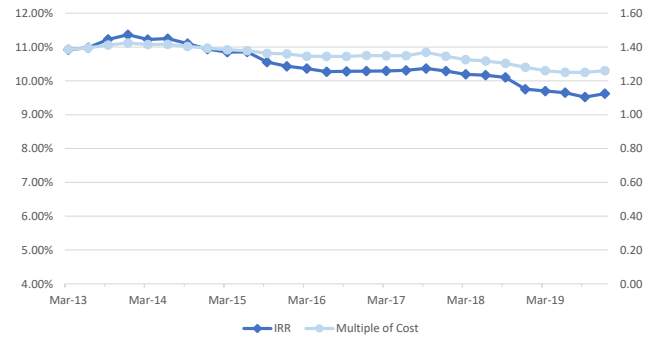
Commitment by Vintage Year



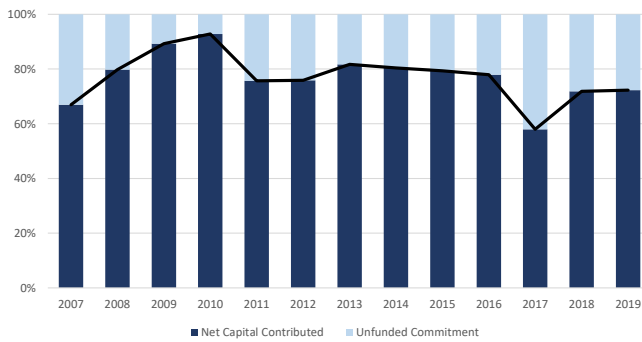
Historical Cash Flows and Valuation



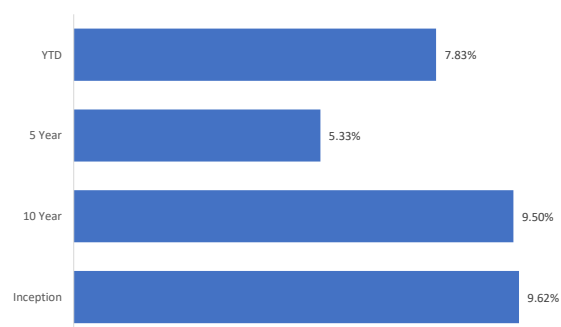
Historical Performance



Historical Percent Funded



Period IRRs



**Employees' Retirement System of Rhode Island Private Credit Performance
12/31/2019**

Current Partnerships	Vintage Year/Initial Investment	Type	Amount Committed (In \$ unless otherwise noted)	Cumulative Cash Flows (\$)			Valuation (\$)	Cumulative Performance*	
				Amount Drawn	Amount Distributed	Amount Unfunded		Net IRR (%)	Net Multiple of Investment
GOF IV	2014	Private Credit	30,000,000	28,374,000	8,072,000	-	32,029,000	3.63	1.13
CSIP V	2016	Private Credit	30,000,000	25,427,000	8,051,000	9,900,000	29,240,000	8.31	1.15
Virgo Societas Partnership IV	2017	Private Credit	50,000,000	42,120,000	318,000	9,000,000	42,185,000	0.11	1.00
Owl Rock Capital Corporation	2018	Private Credit	50,000,000	50,000,000	4,752,000	-	54,310,000	N/M	1.09
Zephyrus Aviation Partners I	2019	Private Credit	20,000,000	19,564,000	193,000	400,000	22,088,000	N/M	1.13
Benefit Street Opps. II	2019	Private Credit	40,000,000	1,974,000	-	38,000,000	891,000	N/M	0.45
CCP	2006	Opportunistic Private Credit	15,000,000	23,811,000	40,606,000	900,000	42,588,000	19.37	1.79
MHR III	2006	Opportunistic Private Credit	20,000,000	20,817,000	21,250,000	7,000,000	27,368,000	5.21	1.31
WLR Recovery IV	2007	Opportunistic Private Credit	8,000,000	7,277,000	9,405,000	240,000	9,819,000	7.44	1.35
OCM EPF III	2011	Opportunistic Private Credit	20,000,000	17,150,000	14,138,000	5,800,000	28,083,000	10.23	1.64
Centerbridge Sp. Credit II	2012	Opportunistic Private Credit	25,000,000	22,500,000	21,156,000	2,500,000	25,099,000	2.67	1.12
DK L-T Opps. IV	2018	Opportunistic Private Credit	50,000,000	34,500,000	-	15,500,000	38,944,000	N/M	1.13
Clearlake Opps. II	2019	Opportunistic Private Credit	30,000,000	3,600,000	39,000	26,400,000	3,701,000	N/M	1.03
Other funds in aggregate**			45,000,000	54,418,000	45,492,000	5,700,000	66,930,000		
Total			\$ 433,000,000	351,532,000	173,472,000	121,340,000	423,275,000		

*IRR refers to the fund's Internal Rate of Return, or the annualized compounded yield on an investment. This calculation is typically applied in private equity where there are multiple points at which capital is invested (capital called) and at which it is distributed. A positive IRR means that the fund's current value plus any cash distributions are greater than the cash value contributed and management fees paid. Typically a fund will have a negative IRR during the first few years of its life, a period referred to as the "J-Curve", because cash is invested upfront and it takes time to generate value. It is important to consider a fund's start date (vintage year) when assessing IRRs. Multiple of investment is another indicator of returns, and is calculated by dividing the fund's cumulative distributions and current value, after fees, by the amount of capital paid in. Please note that performance calculations are specific to the ERSRI investment, and were not prepared, reviewed or approved by the General Partners.

**Other funds in aggregate are the total commitments to and amounts drawn and distributed by funds whose confidentiality provisions do not permit the disclosure of their performance data. These funds include Summit Credit Partners I and Summit Credit Partners II.

Section VIII.

Crisis Protection Class

CPC Returns				
CPC Program, April 30, 2020, %				
Account Name	MTD Return	Annualized Return (Since Inception)	Annualized Std. Dev (April '20)	Annualized Std. Dev (Since Inception)
Total CPC Program	0.29	7.50	14.72	11.35
CPC Trend	-0.50	2.05	14.88	15.11
CPC Long Duration	1.09	12.45	16.11	13.56

Transitive Risk								
CPC Program, 04/30/2020, USD								
Account Name	SPX +10% (No Decay) - P&L % MV	FTSE 100 +10% (No Decay) - P&L % MV	MSCI EM +10% (No Decay) - P&L % MV	Gold +10% (No Decay) - P&L % MV	Oil +10% (No Decay) - P&L % MV	20+ Year Treasury +10% (No Decay) - P&L % MV	DXY +10% (No Decay) - P&L % MV	MSCI All Country -20% (No Decay) - P&L % MV
Total CPC Program	-2.58%	-2.57%	-2.65%	1.82%	-0.43%	6.27%	-0.21%	5.44%
CPC Trend	-3.55%	-3.72%	-4.30%	-0.08%	-0.57%	3.89%	4.86%	7.79%
CPC Long Duration	-1.62%	-1.43%	-1.02%	3.70%	-0.29%	8.63%	-5.25%	3.10%

Return Correlation (Since Inception)			
	Total CPC Program	CPC Trend	CPC Long Duration
Total CPC Program	1.00	0.81	0.77
CPC Trend	0.81	1.00	0.26
CPC Long Duration	0.77	0.26	1.00

Return Correlation (Apr '20)			
	Total CPC Program	CPC Trend	CPC Long Duration
Total CPC Program	1.00	0.95	0.96
CPC Trend	0.95	1.00	0.81
CPC Long Duration	0.96	0.81	1.00

Section IX.

Absolute Return

Employees' Retirement System of the State of Rhode Island

Absolute Return Portfolio

Portfolio Performance Summary

Estimated as of April 30, 2020

Fund	Market Value	Actual %	Returns								LTD Beta	Sharpe Ratio	Incep Date	
			Apr	QTD	YTD	FYTD	1 Year	3 Year	5 Year	Incep				Std Dev
Absolute Return Portfolio														
Capula Global Relative Value Fund Ltd.	82,673,266	14.8%			3.81%	7.96%	8.83%	5.98%	6.54%	6.16%	1.77%	-0.03	2.79	Dec-11
Davidson Kempner Institutional Partners, L.P.	80,335,929	14.4%	2.19%	2.19%	-6.35%	-3.86%	-3.45%	1.85%	3.12%	4.61%	3.78%	0.18	0.94	Nov-11
DE Shaw Composite Fund LLC	125,946,392	22.5%			5.57%	10.69%	11.76%	11.65%	10.43%	12.66%	4.18%	0.05	2.63	Nov-11
Elliott Associates, L.P.	119,284,130	21.3%	1.10%	1.10%	2.71%	4.91%	7.68%	6.21%	7.58%	8.42%	3.51%	0.07	2.02	Nov-11
Graham Absolute Return Trading Ltd.	48,574,728	8.7%	2.30%	2.30%	-13.19%	-11.43%	-10.21%	-1.13%	0.25%	1.48%	7.14%	0.22	0.10	Jan-12
Viking Global Equities, LP	66,355,604	11.9%	6.19%	6.19%	6.04%	6.99%	12.95%	9.90%	7.48%	10.57%	7.77%	0.32	1.21	Dec-11
Winton Fund Limited	34,638,443	6.2%	0.41%	0.41%	-12.43%	-9.87%	-11.10%	-1.32%	-1.15%	1.72%	8.73%	0.19	0.12	Dec-11
Absolute Return Portfolio - Total	557,808,491	99.8%	2.42%	2.42%	-0.19%	2.74%	4.39%	5.92%	4.43%	5.90%	3.29%	0.17	1.45	Nov-11
HFRI Fund of Funds Composite Index			3.64%	3.64%	-5.47%	-3.48%	-2.92%	0.99%	0.67%	2.51%	4.61%		0.35	Nov-11
MSCI AC World Index Free - Net			10.71%	10.71%	-12.94%	-5.17%	-4.96%	4.46%	4.37%	7.67%	12.97%		0.56	Nov-11
ML 3-month T-Bills			0.01%	0.01%	0.58%	1.61%	2.07%	1.81%	1.19%	0.72%	0.26%		-	Nov-11
25% MSCI ACWI/75% Barclays Aggregate			4.01%	4.01%	0.53%	4.64%	7.19%	5.26%	4.16%	4.66%	3.94%		0.93	Nov-11
Liquidating Portfolio														
Indus Asia Pacific Distribution Holding Company II, 06.30.14 Series (liquidating trust)	286,483	0.1%	0.78%	0.78%	-6.03%	-11.20%	-11.99%	-6.69%	-15.74%	-10.52%	17.24%	0.32	-0.61	Jan-12
Luxor Capital Partners, LP - Liquidating SPV	657,562	0.1%	-0.02%	-0.02%	-12.50%	-18.68%	-35.16%	-1.95%	-	-2.99%	18.14%	-0.01	-0.17	Jul-16
Liquidating/Redeeming - Total	944,045	0.2%	0.22%	0.22%	-10.64%	-16.54%	-29.53%	-8.60%	-6.28%	-3.05%	7.85%	0.04	-0.48	Nov-11
Total Absolute Return Portfolio	558,752,536	100.0%	2.41%	2.41%	-0.21%	2.70%	4.31%	5.71%	4.06%	5.34%	3.17%	0.16	1.35	Nov-11
HFRI Fund of Funds Composite Index			3.64%	3.64%	-5.47%	-3.48%	-2.92%	0.99%	0.67%	2.51%	4.61%		-	Nov-11
Market Indices														
Libor3Month			0.05%	0.05%	0.43%	1.46%	1.86%	2.00%	1.47%	0.99%	0.24%		-	Nov-11
Bloomberg Barclays US Aggregate Bond Index			1.78%	1.78%	4.98%	7.56%	10.85%	5.18%	3.81%	3.45%	3.00%		0.82	Nov-11
Bloomberg Barclays US High Yield Bond Index			4.51%	4.51%	-8.75%	-5.12%	-4.12%	1.86%	3.44%	5.48%	6.66%		0.69	Nov-11
S&P 500 TR			12.82%	12.82%	-9.29%	0.62%	0.86%	9.05%	9.13%	12.76%	12.73%		0.93	Nov-11
MSCI EAFE - Net			6.46%	6.46%	-17.84%	-12.08%	-11.34%	-0.58%	-0.17%	4.01%	13.82%		0.28	Nov-11
MSCI EMF (Emerging Markets Free) - Net			9.16%	9.16%	-16.60%	-10.69%	-12.00%	0.57%	-0.10%	1.53%	16.66%		0.11	Nov-11

*LTD Beta is calculated with Holding Level Returns. The market benchmark is MSCI AC World Index Free - Net Index

Most recent month returns are based on manager estimates; prior months use final market values.

Hedge Fund Research, Inc. ("HFR") is the source and owner of the HFR data contained or reflected in this report. The HFR indices included in this report are revised by HFR for up to three months following their initial release. The revisions are reflected in the trailing period returns.

This report reflects information only through the date hereof. Our due diligence and reporting rely upon the accuracy and completeness of financial information (which may or may not be audited by the fund manager) and other information publicly available or provided to us by the fund manager, its professional staff, and references we have contacted and other third parties. We have not conducted an independent verification of the information provided other than as described in this report. Our conclusions do not reflect an audit of the investment nor should they be construed as providing legal advice. Past performance does not guarantee future performance. The information contained herein is confidential commercial or financial information, the disclosure of which would cause substantial competitive harm to you, Cliffwater LLC, or the person or entity from whom the information was obtained, and may not be disclosed except as required by applicable law.

Employees' Retirement System of the State of Rhode Island

Absolute Return Portfolio
Fund Level Performance Report
Estimated as of April 30, 2020

Fund	Trailing Returns					Calendar Year Returns					5 Yr Std Dev	ITD Beta to MSCI ACWI ¹	Sharpe Ratio			Start Date			
	QTD	YTD	Apr	Mar	Feb	1 Year	3 Year	5 Year	2019	2018			2017	2016	2015		3 yr	5 yr	Incep.
Absolute Return																			
Capula Global Relative Value Fund Ltd.		3.77%				8.74%	5.97%	6.54%	7.98%	4.63%	3.79%	8.37%	7.54%	7.60%	-0.03	0.02	2.60	3.08	Oct-05
Davidson Kempner Institutional Partners, L.P.	2.19%	-6.56%	2.19%	-8.83%	-0.48%	-3.87%	1.49%	2.82%	6.70%	1.81%	6.11%	6.71%	1.51%	9.52%	0.18	0.05	-0.06	0.31	Mar-96
DE Shaw Composite Fund LLC		5.68%				12.05%	11.54%	10.16%	10.99%	11.38%	10.41%	6.12%	13.68%	11.51%	0.05	0.04	2.13	2.17	Mar-01
Elliott Associates, L.P.	1.10%	2.71%	1.10%	-0.50%	1.80%	7.28%	5.84%	7.12%	6.53%	2.91%	8.80%	12.98%	2.51%	12.44%	0.07	0.04	1.25	1.55	Jan-90
Graham Absolute Return Trading Ltd.	2.31%	-13.28%	2.31%	-11.95%	-3.62%	-10.83%	-1.48%	-0.10%	9.54%	2.36%	-7.01%	11.78%	1.50%	10.50%	0.22	0.09	-0.31	-0.14	Jan-05
Viking Global Equities, LP	6.20%	6.12%	6.20%	-3.10%	1.10%	12.81%	11.33%	8.31%	17.94%	4.64%	13.01%	-3.92%	8.27%	22.65%	0.30	0.09	1.11	0.80	Oct-99
Winton Fund Limited	0.41%	-12.45%	0.41%	-7.37%	-5.77%	-11.16%	-1.37%	-1.18%	2.99%	-0.56%	7.88%	-3.01%	0.95%	9.43%	0.19	0.09	-0.32	-0.25	Oct-97
Liquidating Portfolio																			
Indus Asia Pacific Fund, LP	0.78%	-6.03%	0.78%	-5.57%	-1.28%	-11.99%	-6.69%	-15.74%	-6.87%	-11.10%	9.70%	-26.00%	-33.23%	4.97%	0.33	0.22	-0.49	-0.75	Dec-00
Luxor Capital Partners, LP	-0.02%	-12.50%	-0.02%	-7.65%	-5.21%	-35.16%	-1.95%	-1.69%	-22.83%	1.19%	54.38%	7.80%	-19.05%	19.53%	0.12	0.18	-0.09	-0.09	Apr-02
Benchmark																			
HFRI Fund of Funds Composite Index	3.64%	-5.47%	3.64%	-7.62%	-1.55%	-2.92%	0.99%	0.67%	8.39%	-4.02%	7.77%	0.51%	-0.27%	3.37%					Aug-90
HFRI Fund Weighted Composite Index	4.72%	-6.71%	4.72%	-8.51%	-2.20%	-3.58%	1.13%	1.49%	10.45%	-4.75%	8.59%	5.44%	-1.12%	2.98%					Aug-90
Market Indices																			
3 Month Libor - BOM	0.05%	0.43%	0.05%	0.12%	0.12%	1.86%	2.00%	1.47%	2.29%	2.36%	1.29%	0.76%	0.33%	0.27%					Aug-87
Barclays Aggregate Bond Index	1.78%	4.98%	1.78%	-0.59%	1.80%	10.85%	5.18%	3.81%	8.73%	0.02%	3.55%	2.66%	0.57%	-2.02%					Aug-76
Barclays High Yield Credit Bond Index	4.51%	-8.75%	4.51%	-11.46%	-1.41%	-4.12%	1.86%	3.44%	14.30%	-2.08%	7.50%	17.14%	-4.46%	7.46%					Feb-84
S&P 500 (TR)	12.82%	-9.29%	12.82%	-12.35%	-8.23%	0.86%	9.04%	9.12%	31.49%	-4.38%	21.83%	11.96%	1.38%	32.39%					Jan-89
MSCI EAFE - Net - USD	6.46%	-17.84%	6.46%	-13.35%	-9.04%	-11.34%	-0.58%	-0.17%	22.01%	-13.79%	25.03%	1.00%	-0.81%	22.78%					Jul-70
MSCI EMF (EMERGING MARKETS FREE) - Net - USD	9.16%	-16.60%	9.16%	-15.40%	-5.27%	-12.00%	0.57%	-0.10%	18.44%	-14.58%	37.28%	11.19%	-14.92%	-2.60%					Jul-88

*LTD Beta is calculated with Fund Level Returns. The market benchmark is MSCI AC World Index Free - Net Index

Note: The above is manager composite history.

1. The inception date for this calculation is equivalent to the inception date of ERSRI's initial investment into the relevant fund.

Section X.

Real Estate

PORTFOLIO SUMMARY

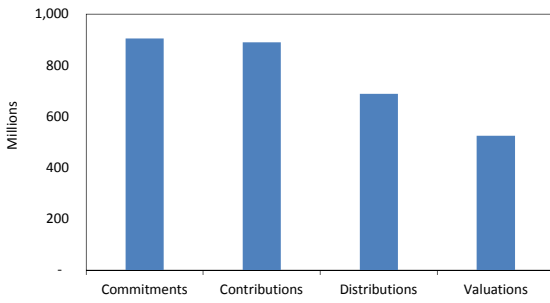
12/31/2019

All Portfolio Investments - Real Estate ⁽¹⁾

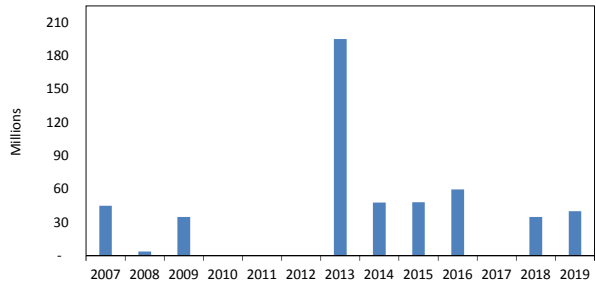
Performance Summary

Asset Class	Investment Type	Number of Investments ⁽⁴⁾	Commitment	Contributions ^{(2), (3)}	Distributions ⁽³⁾	Adjusted Valuation	Multiple of Cost	IRR	TWR
Real Estate Funds	Core	8	414,873,660	484,314,643	412,151,727	367,065,948	1.6x	5.5%	5.6%
	Non-Core	24	490,416,993	405,242,801	276,511,738	157,825,837	1.1x	1.5%	3.7%
Total: Real Estate Funds		32	905,290,653	889,557,444	688,663,465	524,891,785	1.4x	4.6%	5.1%
Total:		32	905,290,653	889,557,444	688,663,465	524,891,785	1.4x	4.6%	5.1%

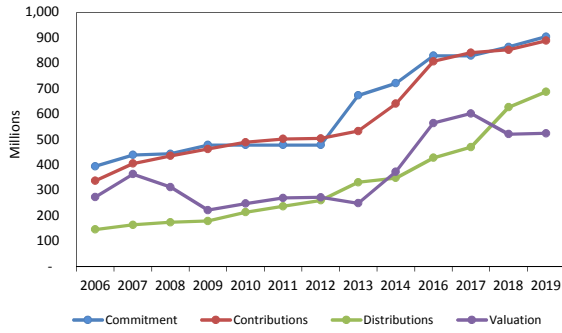
Cash Flow and Valuation Summary



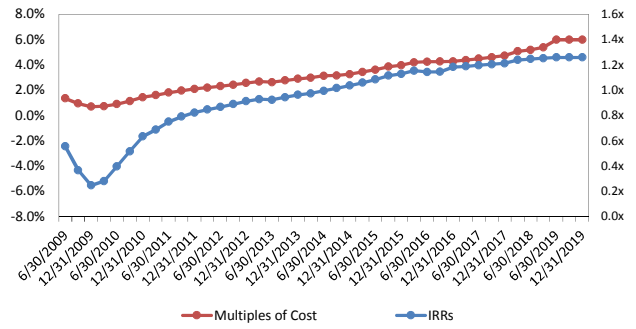
Commitment by Vintage Year



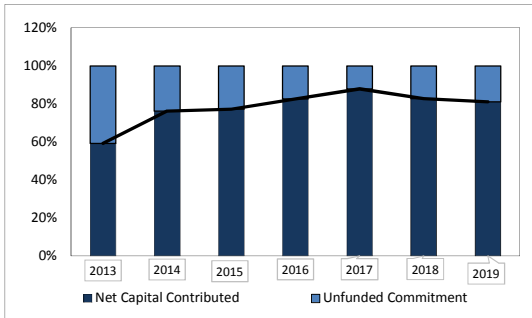
Historical Cash Flows and Valuation



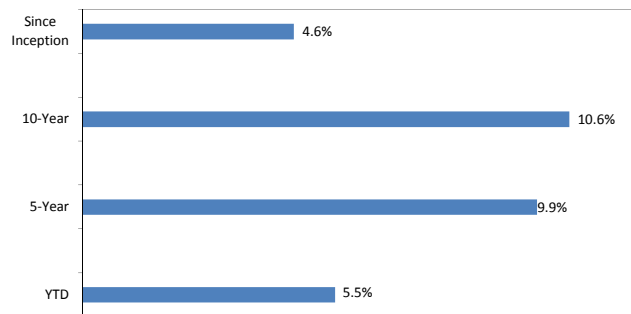
Historical Performance



Historical Percent Funded



Period IRRs ⁽⁵⁾



⁽¹⁾ Investment information listed as of March 31, 1989 through December 31, 2019 and includes those investments which have been liquidated.

⁽²⁾ Contributions are based on cash activity and are higher than commitments primarily due to reinvestments and contributions for management fees in some of the core open-end funds.

⁽³⁾ Contributions and Distributions each include activity in the amount of \$33.5 million related to a simultaneous sale and purchase of shares in a core open-end fund.

⁽⁴⁾ As of December 31, 2019 there are four core funds and thirteen non-core funds.

⁽⁵⁾ The YTD IRR presented is an unannualized percentage.

Employees' Retirement System of Rhode Island Real Estate Performance
12/31/2019

Current Partnerships	Vintage Year/Initial Investment	Type	Amount Committed (In \$ unless otherwise noted)	Cumulative Cash Flows (\$)			Cumulative Performance*		
				Amount Drawn	Amount Distributed	Amount Unfunded	Valuation (\$)	Net IRR (%)	Net Multiple of Investment
Morgan Stanley Prime Property Fund	2005	Core	35,000,000	35,000,000	26,904,861	-	66,941,293	7.30	2.30
JP Morgan Strategic Property Fund	2006	Core	75,000,000	75,000,000	36,269,635	-	111,737,890	6.10	1.80
AEW Core Property Trust	2010	Core	69,873,660	69,873,660	59,082,843	-	108,110,149	10.20	1.60
Heitman America Real Estate Trust	2014	Core	60,000,000	60,000,000	16,198,480	-	80,276,616	7.90	1.40
TriCon Capital Fund VII	2005	Non-Core	15,000,000	14,571,533	4,818,706	428,467	542,861	-15.40	0.30
Magna Hotel Fund III	2008	Non-Core	4,000,000	3,426,573	5,764,047	573,427	8,271	14.30	1.70
IC Berkeley Partners III	2013	Non-Core	18,000,000	16,038,326	24,635,098	1,961,674	80,311	19.80	1.50
GEM Realty Fund V	2013	Non-Core	50,000,000	39,874,323	17,466,416	10,125,677	42,095,765	10.30	1.40
Exeter Industrial Value Fund III	2014	Non-Core	30,000,000	29,099,454	47,018,909	900,546	10,801,149	28.60	1.90
Waterton Fund XII	2014	Non-Core	35,000,000	34,265,141	23,204,586	-	29,872,287	13.00	1.50
Crow Holdings Retail Fund	2015	Non-Core	24,000,000	20,935,313	3,492,233	3,064,687	25,157,849	10.70	1.40
Lone Star Real Estate Fund IV	2015	Non-Core	24,260,817	19,157,826	18,261,023	5,102,991	8,992,138	17.10	1.40
IC Berkeley Partners IV	2016	Non-Core	30,000,000	23,165,455	6,172,516	6,834,545	23,849,638	15.40	1.20
GEM Realty Fund VI	2017	Non-Core	20,000,000	4,204,599	1,200,000	15,795,401	3,655,247	-1.50	1.00
Raith Real Estate II	2018	Non-Core	35,000,000	6,027,948	5,883,614	28,972,052	4,430,258	N/M	0.90
Linchris Capital Opportunity Fund II	2018	Non-Core	15,156,177	7,490,863	367,706	7,665,314	8,340,063	N/M	1.10
Total			\$ 540,290,654	458,131,014	296,740,673	81,424,781	524,891,785		

*IRR refers to the fund's Internal Rate of Return, or the annualized compounded yield on an investment. This calculation is typically applied in private real estate where there are multiple points at which capital is invested (capital called) and at which it is distributed. A positive IRR means that the fund's current value plus any cash distributions are greater than the cash value contributed and management fees paid. Typically a fund will have a negative IRR during the first few years of its life, a period referred to as the "J-Curve", because cash is invested upfront and it takes time to generate value. It is important to consider a fund's start date (vintage year) when assessing IRRs. Multiple of investment is another indicator of returns, and is calculated by dividing the fund's cumulative distributions and current value, after fees, by the amount of capital paid in. Please note that performance calculations are specific to the ERSRI investment, and were not prepared, reviewed or approved by the General Partners.

Section XI.

Infrastructure

Portfolio Summary

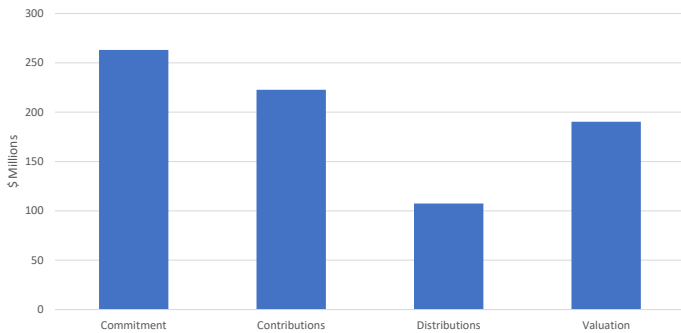
12/31/2019

All Investments

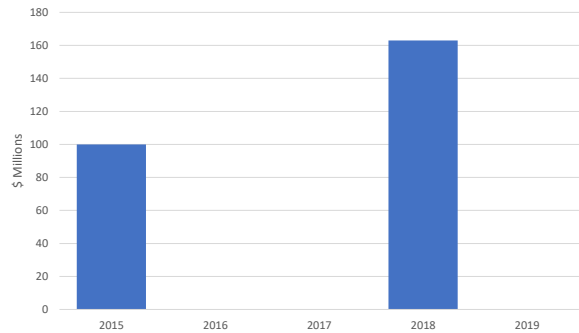
Performance Summary

Asset Class	Investment Type	Commitment	Contributions	Distributions	Valuation	Multiple of Cost	IRR
Infrastructure Funds							
	Homestead Capital USA Farmland Fund III, L.P.	25,000,000	1,018,775	10,956	677,280	0.68	-52.93%
	IFM Global Infrastructure Fund	50,032,902	50,032,902	21,237,446	59,200,758	1.61	12.17%
	ISQ Global Infrastructure Fund (UST), L.P.	50,000,000	68,483,825	50,724,713	40,770,900	1.34	16.42%
	ISQ Global Infrastructure Fund II (UST), L.P.	40,000,000	19,108,033	2,957,922	18,285,594	1.11	15.62%
	Stonepeak Infrastructure Fund II - Master Co- Investment Partners LP	20,000,000	11,165,314	632,375	13,284,336	1.25	13.55%
	Stonepeak Infrastructure Fund II Cayman (G AIV) LP	43,000,000	52,792,148	28,218,597	38,083,950	1.26	14.35%
	Stonepeak Infrastructure Fund III LP	35,000,000	20,117,382	3,638,040	19,951,697	1.17	25.58%
Total: Ir		263,032,902	222,718,379	107,420,049	190,254,515	1.34	13.98%

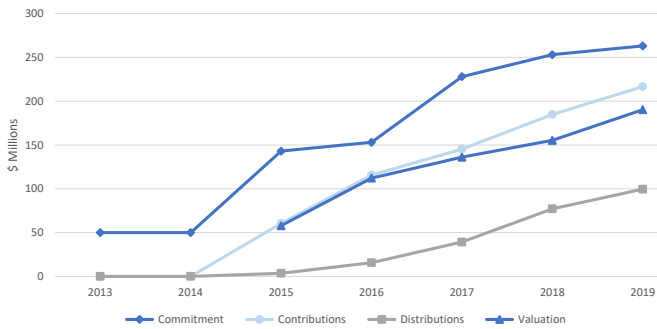
Cash Flow and Valuation Summary



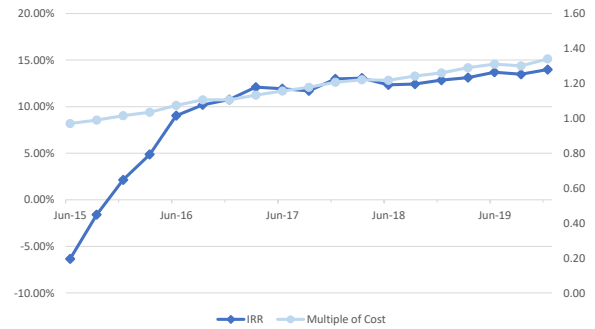
Commitment by Vintage Year



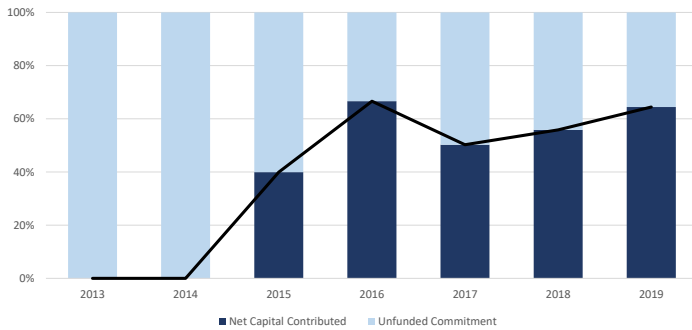
Historical Cash Flows and Valuation



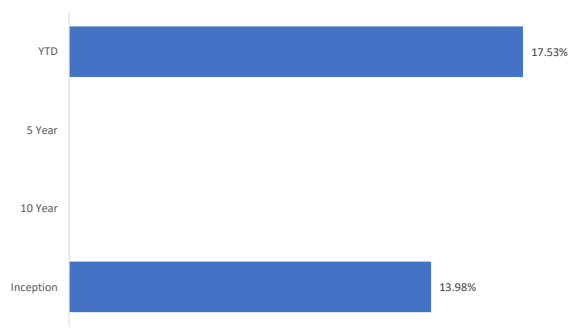
Historical Performance



Historical Percent Funded



Period IRRs



**Employees' Retirement System of Rhode Island Private Infrastructure Performance
12/31/2019**

Current Partnerships	Vintage Year/Initial Investment	Type	Amount Committed (In \$ unless otherwise noted)	Cumulative Cash Flows (\$)			Valuation (\$)	Cumulative Performance*	
				Amount Drawn	Amount Distributed	Amount Unfunded		Net IRR (%)	Net Multiple of Investment
IFM Global Infrastructure, L.P.	2015	Core	50,033,000	50,033,000	21,237,000	-	80,438,000	12.17	1.61
Stonepeak Infrastructure Fund II, L.P.	2016	Opportunistic	43,000,000	52,792,000	28,219,000	8,170,000	66,303,000	14.35	1.26
Stonepeak Infrastructure Fund II-C	2016	Opportunistic	20,000,000	11,165,000	632,000	9,400,000	13,916,000	13.55	1.25
Stonepeak Infrastructure Fund III	2018	Opportunistic	35,000,000	20,117,000	3,638,000	18,550,000	23,590,000	N/M	1.17
ISQ Global Infrastructure Fund, L.P.	2015	Value-Add	50,000,000	68,484,000	50,725,000	10,000,000	91,496,000	16.42	1.34
ISQ Global Infrastructure Fund II, L.P.	2017	Value-Add	40,000,000	19,108,000	2,958,000	24,000,000	21,244,000	15.62	1.11
Homestead USA Farmland III	2018	Value-Add	25,000,000	1,019,000	11,000	24,000,000	688,000	N/M	0.76
Total			\$ 263,033,000	222,718,000	107,420,000	94,120,000	297,675,000		

*IRR refers to the fund's Internal Rate of Return, or the annualized compounded yield on an investment. This calculation is typically applied in private real estate where there are multiple points at which capital is invested (capital called) and at which it is distributed. A positive IRR means that the fund's current value plus any cash distributions are greater than the cash value contributed and management fees paid. Typically a fund will have a negative IRR during the first few years of its life, a period referred to as the "J-Curve", because cash is invested upfront and it takes time to generate value. It is important to consider a fund's start date (vintage year) when assessing IRRs. Multiple of investment is another indicator of returns, and is calculated by dividing the fund's cumulative distributions and current value, after fees, by the amount of capital paid in. Please note that performance calculations are specific to the ERSRI investment, and were not prepared, reviewed or approved by the General Partners.

Section XII.

Cash Flow

CASH FLOW ANALYSIS - INCOME & EXPENSES

Employees Retirement System

FISCAL YEAR 2020

	FY 2019-20												
	TOTAL	Projected June	Projected May	Actual April	Actual March	Actual February	Actual January 2019	Actual December	Actual November	Actual October	Actual September	Actual August	Actual July 2019
MEMBER BENEFITS	833,134,895	69,132,324	69,155,407	69,368,407	69,266,687	69,404,870	69,487,211	69,573,911	69,588,526	69,696,408	69,594,830	69,472,755	69,393,560
ADMINISTRATIVE EXPENSES	9,159,227	1,245,040.43	610,799	593,730	861,267	891,593	861,730	688,897	927,674	685,823	620,260	817,218	355,195
INVESTMENT EXPENSES	37,909,380	10,037,448	17,681	17,458	10,062,340	17,468	17,467	6,335,494	17,500	17,509	11,333,904	17,530	17,581
TOTAL OUTFLOW	880,203,503	80,414,813	69,783,888	69,979,595	80,190,294	70,313,932	70,366,408	76,598,302	70,533,700	70,399,740	81,548,993	70,307,503	69,766,336
CONTRIBUTIONS	578,318,857	50,184,219	62,786,062	47,410,046	55,109,606	61,918,806	36,340,836	59,065,742	41,714,021	48,498,890	26,559,817	26,653,809	62,077,003
OTHER INCOME*	66,910,710	3,294,658	8,361,789	(3,465,572)	683,544	4,134,575	2,857,507	(399,190)	16,964,649	9,773,079	9,240,586	10,304,355	5,160,730
TOTAL INCOME	645,229,567	53,478,877	71,147,851	43,944,474	55,793,150	66,053,381	39,198,343	58,666,552	58,678,670	58,271,969	35,800,403	36,958,164	67,237,733
DIFFERENCE	(234,973,936)	(26,935,936)	1,363,964	(26,035,120)	(24,397,144)	(4,260,551)	(31,168,064)	(17,931,751)	(11,855,030)	(12,127,771)	(45,748,591)	(33,349,339)	(2,528,602)

Municipal Employees Retirement System

	FY 2019-20												
	TOTAL	Projected June	Projected May	Actual April	Actual March	Actual February	Actual January 2019	Actual December	Actual November	Actual October	Actual September	Actual August	Actual July 2019
MEMBER BENEFITS	104,050,453	8,492,798	8,506,904	9,021,523	8,451,729	8,952,795	8,909,011	8,717,645	8,671,244	8,650,757	8,586,800	8,558,190	8,531,056
ADMINISTRATIVE EXPENSES	2,254,141	303,272	148,540	148,709	209,053	222,459	215,127	170,060	229,041	168,937	152,513	199,939	86,489
INVESTMENT EXPENSES	9,272,779	2,444,966	4,300	4,373	2,442,403	4,359	4,361	1,563,973	4,321	4,313	2,786,843	4,289	4,281
TOTAL OUTFLOW	115,577,372	11,241,036	8,659,743	9,174,605	11,103,185	9,179,613	9,128,499	10,451,678	8,904,607	8,824,007	11,526,156	8,762,418	8,621,827
CONTRIBUTIONS	75,621,144	6,431,212	5,735,660	6,743,967	6,695,695	6,430,076	7,627,014	5,933,580	5,289,544	6,927,606	6,155,497	5,721,125	5,930,168
OTHER INCOME*	16,426,079	802,527	2,033,494	(868,008)	165,915	1,031,609	713,365	(98,544)	4,188,547	2,407,374	2,272,126	2,521,044	1,256,630
TOTAL INCOME	92,047,223	7,233,739	7,769,154	5,875,959	6,861,610	7,461,685	8,340,379	5,835,036	9,478,091	9,334,980	8,427,623	8,242,169	7,186,798
DIFFERENCE	(23,530,149)	(4,007,297)	(890,589)	(3,298,646)	(4,241,575)	(1,717,928)	(788,120)	(4,616,642)	573,485	510,974	(3,098,532)	(520,249)	(1,435,029)

CASH FLOW ANALYSIS - INCOME & EXPENSES

State Police Retirement System

	TOTAL	Projected June	Projected May	Actual April	Actual March	Actual February	Actual January 2019	Actual December	Actual November	Actual October	Actual September	Actual August	Actual July 2019
MEMBER BENEFITS	6,076,034	499,445	499,445	523,678	515,690	515,690	508,102	508,102	508,102	499,445	499,445	499,445	499,445
ADMINISTRATIVE EXPENSES	206,221	27,589	13,497	13,725	18,896	20,464	19,648	15,701	21,101	15,479	13,967	18,271	7,884
INVESTMENT EXPENSES	845,959	222,419	391	404	220,762	401	398	144,392	398	395	255,217	392	390
TOTAL OUTFLOW	7,128,214	749,453	513,332	537,807	755,347	536,555	528,148	668,195	529,601	515,319	768,629	518,107	507,719
CONTRIBUTIONS	6,864,730	446,796	643,522	593,394	534,323	524,160	590,910	544,416	848,591	505,274	552,960	562,117	518,267
OTHER INCOME*	1,503,085	73,006	184,770	-80,111	14,997	94,898	65,152	(9,098)	385,877	220,584	208,080	230,376	114,554
TOTAL INCOME	8,367,815	519,802	828,291	513,284	549,320	619,058	656,063	535,318	1,234,468	725,858	761,039	792,493	632,821
DIFFERENCE	1,239,601	(229,651)	314,959	(24,523)	(206,028)	82,503	127,914	(132,877)	704,867	210,538	(7,589)	274,385	125,102

Judicial Retirement System

	TOTAL	Projected June	Projected May	Actual April	Actual March	Actual February	Actual January 2019	Actual December	Actual November	Actual October	Actual September	Actual August	Actual July 2019
MEMBER BENEFITS	3,712,475	307,623	307,623	308,369	305,669	315,038	315,038	315,038	307,586	307,623	307,623	307,623	307,623
ADMINISTRATIVE EXPENSES	108,267	14,526	7,110	7,158	9,960	10,686	10,323	8,217	11,062	8,134	7,337	9,607	4,147
INVESTMENT EXPENSES	444,760	117,108	206	210	116,360	209	209	75,567	209	208	134,063	206	205
TOTAL OUTFLOW	4,265,502	439,256	314,939	315,737	431,989	325,933	325,571	398,821	318,857	315,965	449,023	317,436	311,976
CONTRIBUTIONS	3,493,864	241,159	365,766	298,289	242,261	253,183	352,906	241,399	381,785	254,526	308,067	308,121	246,403
OTHER INCOME*	750,499	38,439	97,335	(41,779)	7,904	155,323	34,233	(4,761)	202,293	(29,185)	109,302	121,135	60,259
TOTAL INCOME	4,244,363	279,598	463,101	256,510	250,166	408,506	387,139	236,637	584,078	225,341	417,369	429,256	306,662
DIFFERENCE	(21,138)	(159,659)	148,162	(59,227)	(181,823)	82,573	61,568	(162,184)	265,221	(90,623)	(31,654)	111,820	(5,313)

*Includes income from Real Estate Investments, Private Equity, and Cash Accounts

FISCAL YEAR 2020

INVESTMENT MANAGER FEES, PROFESSIONAL FEES & OPERATING EXPENSES

ERSRI Pooled Trust

ACCRUAL BASIS

	Projected Jul 19	Projected Aug	Projected Sept	Projected Oct	Projected Nov	Projected Dec	Projected Jan 20	Projected Feb	Projected Mar	Projected Apr	Projected May	Projected June	Projected TOTAL
EQUITIES US													
SSGA Russell 3000			41,899			43,964			42,000			42,000	169,863
Shott Capital/Hamilton Lane			338			451			500			500	1,789
SSGA QVM Tilt			<u>190,229</u>			<u>198,918</u>			<u>190,000</u>			<u>190,000</u>	<u>769,147</u>
			232,467			243,333			232,500			239,300	178,452
FIXED INCOME													
Fidelity			156,000			159,670			156,000			156,000	627,670
Mackay Shields			146,479			136,974			170,000			170,000	623,453
Brown Bros.TIPS/GILB			<u>43,330</u>			<u>49,746</u>			<u>60,000</u>			<u>60,000</u>	<u>213,076</u>
			345,809			346,391			386,000			386,000	1,464,199
INT'L EQUITIES													
SSGA MSCI EAFE			51,564			53,244			55,000			55,000	214,807
SSGA MSCI CAD			4,509			4,441			5,000			5,000	18,950
SSGA MSCI Emerg Mkts			<u>103,790</u>			<u>108,987</u>			<u>108,000</u>			<u>108,000</u>	<u>428,777</u>
			159,863			166,672			168,000			168,000	662,535
CREDIT													
Loomis			139,630			124,779			110,000			110,000	484,409
PIMCO			<u>110,000</u>			<u>110,000</u>			<u>110,000</u>			<u>110,000</u>	<u>440,000</u>
			249,630			234,779			220,000			220,000	924,409
Infrastructure													
Harvest Partners			214,627			300,000			300,000			300,000	1,114,627
Systematic Trend Followers	215,362	224,302	230,692	226,120	206,950	210,000	210,000	210,000	210,000	210,000	210,000	210,000	2,573,426
Long Duration													
WAMCO			33,396			32,629			30,000			30,000	126,025
Mackay Shields			<u>32,951</u>			<u>35,068</u>			<u>30,000</u>			<u>30,000</u>	<u>128,018</u>
			66,347			67,696			60,000			60,000	254,043
REAL ESTATE	0	0	2,268,181	0	0	1,316,299	0	0	6,013,911	0	0	3,900,000	13,498,391
ALTERNATIVE INVESTMENTS													
Private Infrastructure			1,526,570			1,962,839			1,707,969			2,250,000	7,447,378
Hedge Funds			4,907,979			2,549,827			7,307,576			5,500,000	20,265,382
Private Equity			<u>5,786,256</u>			<u>2,143,095</u>			<u>9,861,859</u>			<u>5,000,000</u>	<u>22,791,211</u>
	0	0	12,220,805	0	0	6,655,761	0	0	18,877,404	0	0	12,750,000	50,503,970
Other													
Russell Overlay			51,891			56,217			50,000			75,000	233,108
Heitman			100,825			103,337			100,000			100,000	404,162
Payden & Rygel	<u>20,531</u>	<u>21,776</u>	<u>22,500</u>	<u>19,893</u>	<u>20,513</u>	<u>20,077</u>	<u>22,500</u>	<u>22,500</u>	<u>22,500</u>	<u>22,500</u>	<u>22,500</u>	<u>22,500</u>	<u>260,290</u>
	20,531	21,776	175,217	19,893	20,513	179,631	22,500	22,500	172,500	22,500	22,500	197,500	897,561
SUB TOTAL-INV MGMT FEES	235,893	246,078	16,163,638	246,013	227,463	9,720,561	232,500	232,500	26,640,315	232,500	232,500	18,430,800	72,071,613
PROFESSIONAL FEES													
Legal	9,173	7,250	9,804	17,650	11,687	10,000	14,574	10,000	10,000	10,000	10,000	10,000	130,137
BNY Mellon - Custodial	42,213	42,213	42,213	42,213	42,213	42,213	48,000	48,000	48,000	48,000	48,000	48,000	541,275
Cliffwater	33,333	33,333	35,417	35,417	35,417	35,417	64,583	33,333	33,334	33,333	33,333	33,333	439,583
Meketa General & Infrastructure	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	75,000
NEPC	0	0	91,250	0	0	91,250	0	0	91,250	0	0	91,250	365,000
Aberdeen	28,721	29,811	28,985	28,834	27,471	30,898	35,629	27,000	27,000	27,000	27,000	27,000	345,349
Meketa Real Estate	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>10,417</u>	<u>125,004</u>
	130,107	129,273	224,335	140,780	133,454	226,444	179,453	135,000	226,251	135,000	135,000	226,250	2,021,348
OPERATING EXPENSE													
Retirement Transfers	465,094	478,478	882,244	910,680	1,025,374	820,928	968,951	780,086	834,367	630,113	650,150	1,361,470	9,807,933
Other Expense	0	4,000	25,420	25,420	105,420	105,420	7,457	25,394	7,457	96	3,080	6,420	<u>177,287</u>
	465,094	482,478	882,244	936,100	1,025,374	926,348	968,951	787,543	859,761	630,209	653,230	1,367,890	9,985,220
TOTAL:	831,094	857,829	17,270,217	1,322,893	1,386,291	10,873,352	1,380,903	1,155,043	27,726,327	997,709	1,020,730	20,024,940	84,078,181

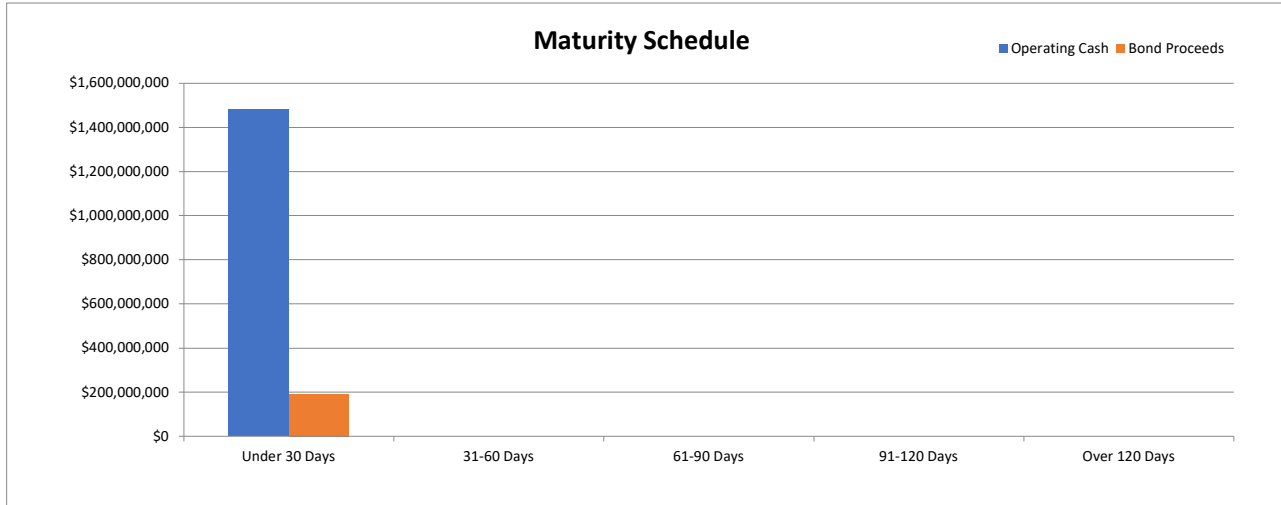
Note: Numbers in bold are actual.

Section XIII.

Short-Term Investments

**State of Rhode Island
Office of the General Treasurer
Short Term Investments**

**Short-Term Investment Maturity Schedule RI SIC Guideline Compliance Report
Investments as of:
April 30, 2020**



Vendor	CD	CDARS	Money Mkt	CoD	OSIP	Total (\$)
Guidelines-Total/Vendor	50%/20%	50%/20%	75%/35%	75%/35%	50%/50%	
OSIP	0 0%	0 0%	0 0%	0 0%	126,968,919 9%	\$ 126,968,919.28 8.6%
Bank RI	0 0%	0 0%	10,376,238 1%	0 0%	0 0%	\$ 10,376,238.36 0.7%
Santander Bank	0 0%	0 0%	0 0%	26,429,508 2%	0 0%	\$ 26,429,508.01 1.8%
People's Credit Union Comm Dep.	0 0%	2,707,309 0%	0 0%	0 0%	0 0%	\$ 2,707,309.07 0.18%
Navigant Credit Union Comm Dep.	0 0%	6,317,443 0%	0 0%	0 0%	0 0%	\$ 6,317,442.53 0.43%
Bristol County Savings Bk Comm Dep.	0 0%	0 0%	0 0%	5,128,625 0%	0 0%	\$ 5,128,625.30 0.35%
Centreville Bank	0 0%	15,359,374 0%	0 0%	0 0%	0 0%	\$ 15,359,373.70 1.54%
Centreville Community Dep.	0 0%	7,398,019 0%	0 0%	0 0%	0 0%	\$ 7,398,019 1.54%
Citizens Bank	0 0%	0 0%	0 0%	16,399,593 1%	0 0%	\$ 16,399,593.13 1.1%
Webster Bank	0 0%	0 0%	0 0%	26,875,155 2%	0 0%	\$ 26,875,155.45 1.8%
Customers Bank	0 0%	0 0%	0 0%	95,796,934 6%	0 0%	\$ 95,796,933.72 6.5%
Washington Trust	0 0%	13,105,609 1%	0 0%	0 0%	0 0%	\$ 13,105,608.68 1.1%
Washington Trust Community Dep.	0 0%	2,897,784 1%	0 0%	0 0%	0 0%	\$ 2,897,784.12 1.1%
Freedom National Community Dep.	0 0%	0 0%	0 0%	5,065,252 0%	0 0%	\$ 5,065,252.39 0.3%
TD Bank	0 0%	0 0%	0 0%	654,662 0%	0 0%	\$ 654,661.77 0.0%
BankNewport Community Dep.	0 0%	5,249,890 0%	0 0%	0 0%	0 0%	\$ 5,249,890.47 0.4%
Fidelity	0 0%	0 0%	1,113,400,000 75%	0 0%	0 0%	\$ 1,113,400,000.00 75.2%
TOTALS	\$ -	\$ 53,035,427.36	\$ 1,123,776,238.36	171,284,477	\$ 126,968,919.28	\$ 1,480,130,314.77
(%) PORTFOLIO	0.0%	3.6%	75.9%	11.6%	8.6%	100.0%

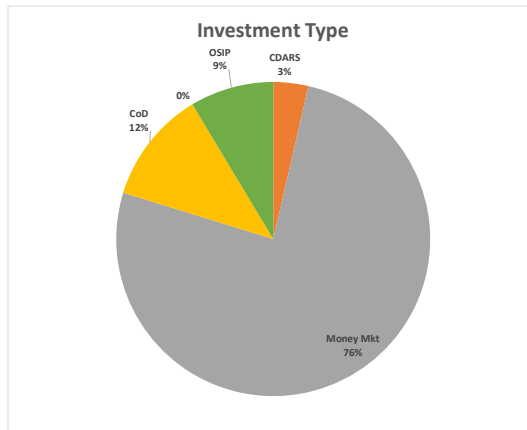
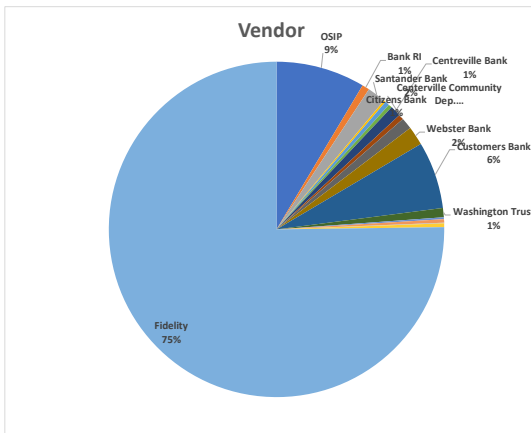
Actual PIP + CD: 11.57%
Note: PIP + CD must be under 75%.

CD = Certificate of Deposit
CDARS = Cert. of Dep. Acct Registry Svc
MMKT = Money Market
CoD = Collateralized Deposit
OSIP = Ocean State Investment Pool

**State of Rhode Island
Office of the General Treasurer
Short Term Investments**

**Issuer Credit Rating
April 30, 2020**

Issuer	Type of Instrument*	M/E % Portfolio	S-T Debt Rating			L-T Debt Rating		Credit Outlook	Rating	Rating/Year
			Moody's	Moody's	S&P	Moody's	S&P			
Bank of America	-	0.0%	Baa1	P-1	A-1	A2	A-	Stable	GREEN/***	Satisfactory/2012
Bank RI	3,4	2.7%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***	Satisfactory/2015
Bristol County Sav. Bank	4	1.3%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***	Satisfactory/2012
Centreville Bank	4	5.9%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***/BB	Satisfactory/2014
Citizens Bank	4	10.2%	Baa1	P-1	A-2	A1	BBB+	Stable	GREEN/***	Satisfactory/2014
Customers Bank	4	8.4%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/*	Satisfactory/2016
Home Loan Inv. Bank	-	0.0%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***	Needs Improve/2013
Navigant Credit Union	4	1.6%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***	Satisfactory/2013
Ocean State Inv. Pool	6	21.0%	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R
Fidelity										
Centreville Bank										
People's Credit Union	4	0.7%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***	N/R
Santander Bank	4	0.0%	A3	P-1	A-1	A2	A	Stable	GREEN/***/B	N/R
SG Americas	-	0.0%								Satisfactory/2016
TD Bank	4	2.2%	Aa2	P-1	A-1+	A2	AA-	Stable	GREEN/***	Satisfactory/2016
Washington Trust	4,7	10.4%	N/R	N/R	N/R	N/R	N/R	N/R	GREEN/***	Satisfactory/2014
Webster Bank	4	33.3%	Baa1	P-2	A-2	A3	BBB+	Stable	GREEN/***	



CD = Certificate of Deposit	1*
CDARS = Cert. of Dep. Acct Registry Svc	2*
MMKT = Money Market	3*
CoD = Collateralized Deposit	4*
OSIP = Ocean State Investment Pool	5*

Ratings Definitions	
Moody's Short-Term Debt Ratings:	S&P Short-Term Credit Ratings:
P-1 - Prime-1 have a superior ability for repayment of sr. S-T debt	A-1 - Highest rated, strong capacity to meet obligations
P-2 - Prime-1 have a strong ability for repayment of sr. S-T debt	A-2 - Somewhat more susceptible to adverse effects of changes in fin. conditions; satisfactory
P-3 - Prime-1 have acceptable ability for repayment of sr. S-T debt	A-3 - Exhibits adequate protection parameters
NP - Not Prime	B - Significant speculative characteristics, faces major ongoing uncertainties
	C - Vulnerable to non-payment
	D - Payment default
	Modifiers: + or - show relative standing within the category.
Moody's Issuer Rating Symbols:	S&P Outlook Definitions:
Aaa - Offer exceptional financial security (high-grade)	Positive - A rating may be raised
Aa - Offer excellent financial security (high-grade)	Negative - A rating may be lowered
A - Offer good financial security	Stable - A rating is not likely to change
Baa - Offer adequate financial security	Developing - May be raised or lowered
Ba - Offer questionable financial security	NM - Not meaningful
B - Offer poor financial security	
Ca - Offer very poor financial security	
Ca - Offer extremely poor financial security	
C - Lowest rated class, usually in default	
Moody's Long-Term Debt Ratings:	S&P Long-Term Debt Ratings:
Aaa - Best Quality	AAA - Highest rating, extremely strong
Aa - High Quality	AA - Differs slightly from highest rating, very strong
A - Possess many favorable investment attributes	A - More susceptible to adverse effects of change in economic condition, strong
Baa - Medium-grade obligations	BBB - Exhibits adequate protection parameters
Ba - Possess speculative elements	BB, B, - Have significant speculative characteristics. BB least speculative
B - Generally lack characteristics of desirable investments	CCC, CC, C - C highest degree
Ca - Poor standing	D - Payment default
Ca - Speculative in a high degree	Modifiers: + or - show relative standing within the category.
C - Lowest rated class of bonds	
Modifiers:	VERIBANC Ratings:
1 - Higher end of letter rating category	GREEN - The institution's equity exceeds a modest percentage of its assets and had positive net income during the most recent reporting period.
2 - Mid-range of letter rating category	YELLOW - The institution's equity is at a minimal percentage of its assets or it incurred a net loss during the most recent reporting period.
3 - Lower end of letter rating category	RED - The institution's equity is less than a minimal percentage of its assets or it incurred a significant net loss during the most recent reporting period (or both).
	BB - Blue Ribbon Bank
	Modifiers: ***-Very Strong, **-Strong, *-Moderate, No Stars-Poor

**State of Rhode Island
Office of the General Treasurer**

**All Funds Performance
From
Apr 01, 2020 to Apr 30, 2020**

Fund	Beginning Balance	Average Daily Balance	Ending Balance	Earnings	Annualized Yield
GENERAL FUND	\$ 151,120,337.81	\$ 616,361,457.70	\$ 1,348,826,294.15	\$ 127,366.31	0.25%
H.A.V.A	\$ 2,351,186.24	\$ 2,349,574.10	\$ 2,351,476.77	\$ 289.08	0.15%
GENERAL FUND (HIST PRES)	\$ 573,392.72	\$ 571,530.80	\$ 573,727.31	\$ 334.01	0.71%
HIST TAX CREDIT	\$ 10,031,922.78	\$ 9,999,339.71	\$ 10,037,768.46	\$ 5,843.63	0.71%
HIGHWAY FUND	\$ 23,848,346.22	\$ 20,004,101.09	\$ 21,356,768.51	\$ 8,006.09	0.49%
T.D.I. RESERVE (DET)	\$ 68,232,228.81	\$ 58,893,723.84	\$ 48,642,948.08	\$ 38,567.95	0.80%
RICAP GL FUND 21	\$ 4,907,609.43	\$ 3,669,252.32	\$ 908,219.94	\$ 861.69	0.29%
BOND CAPITAL FUND	\$ 19,617,032.74	\$ 8,411,033.21	\$ 5,618,206.61	\$ 1,089.89	0.16%
R.I. CLEAN WATER ACT	\$ 3,982,493.43	\$ 3,971,675.63	\$ 3,984,455.54	\$ 1,943.02	0.60%
STATE LOTTERY FUND	\$ 19,378,301.67	\$ 19,194,867.33	\$ 18,492,328.49	\$ 15,841.16	1.00%
ASSESSED FRINGE BEN ADM	\$ 952,337.36	\$ 1,281,735.42	\$ 1,953,073.01	\$ 710.24	0.67%
AUTO EQUIPMENT SERVICE	\$ 4,279.97	\$ 4,251.71	\$ 4,291.46	\$ 7.05	2.02%
HEALTH INSURANCE FUND	\$ 6,194,842.03	\$ 4,007,954.32	\$ 670,049.21	\$ 1,838.77	0.56%
FLEET REVOLVING LOAN FUNCI	\$ 4,795,084.68	\$ 4,784,999.57	\$ 4,802,359.87	\$ 2,639.72	0.67%
EMPLOYEES RETIREMENT	\$ 1,769,770.91	\$ 19,727,746.85	\$ 800,090.86	\$ 11,440.29	0.71%
MUNICIPAL EMPLOYEES RETIR	\$ 545,155.38	\$ 4,004,486.84	\$ 46,581.92	\$ 1,838.80	0.56%
RETIREE HEALTH FUND	\$ 2,690,348.23	\$ 4,452,072.08	\$ 5,392,732.47	\$ 2,127.52	0.58%
BOG RETIREE FUND	\$ 303,258.83	\$ 303,060.38	\$ 303,305.82	\$ 37.29	0.15%
RIPTA HEALTH FUND	\$ 2,498,486.21	\$ 2,686,667.14	\$ 2,598,842.82	\$ 330.56	0.15%
PERMANENT SCHOOL FUND	\$ 740,380.31	\$ 737,997.51	\$ 740,833.63	\$ 431.27	0.71%
TEACHER RETIREE HEALTH FUI	\$ 230,575.00	\$ 230,335.32	\$ 230,638.62	\$ 46.09	0.24%
RISTP RETIREE HEALTH	\$ 38,366.85	\$ 38,342.44	\$ 38,373.51	\$ 4.72	0.15%
RILEG RETIREE HEALTH	\$ 865.82	\$ 865.29	\$ 865.96	\$ 0.10	0.14%
RIJUD RETIREE HEALTH	\$ 343,992.18	\$ 343,756.82	\$ 344,035.17	\$ 42.29	0.15%
UNIVERSITY COLLEGE	\$ 1,175,706.74	\$ 939,276.85	\$ 676,316.91	\$ 563.68	0.73%
INDUS. BLDG. & MTG. INS.	\$ 768,083.78	\$ 765,635.73	\$ 768,577.92	\$ 447.40	0.71%
HIGHER EDUCATION	\$ -	\$ -	\$ -	\$ -	0.00%
TANS PROCEEDS	\$ -	\$ -	\$ -	\$ -	0.00%
Total Operating Funds	\$ 327,094,386.13	\$ 787,735,740.02	\$ 1,480,163,163.02	\$ 222,648.62	0.34%
BOND CCDL 2006 SERIES C	\$ 240,271.15	\$ 240,716.94	\$ 241,502.06	\$ 139.96	0.71%
GO BND-NTAX 2007 SERIES A	\$ 124,237.53	\$ 128,227.98	\$ 128,633.96	\$ 72.37	0.69%
CCDL10B BOND CAPITAL COM	\$ 950,000.00	\$ 945,602.58	\$ 948,706.78	\$ 553.38	0.71%
CCDL2010C	\$ 169,711.60	\$ 167,364.84	\$ 168,015.01	\$ 98.87	0.72%
CCDL2011A	\$ 1,106,833.22	\$ 1,099,627.24	\$ 1,102,140.70	\$ 642.74	0.71%
CCDL2012B	\$ 5,100,000.00	\$ 5,083,314.77	\$ 5,099,979.06	\$ 2,970.71	0.71%
GO CCDL 2013A	\$ 2,590,915.50	\$ 2,582,438.27	\$ 2,590,904.12	\$ 1,509.19	0.71%
GO CCDL 2014B	\$ -	\$ -	\$ 0.79	\$ -	0.00%
GO CCDL 2014C	\$ 40,664.27	\$ 40,531.35	\$ 40,664.24	\$ 23.69	0.71%
GO CCDL 2016A	\$ 2,444,375.92	\$ 2,436,377.05	\$ 2,444,364.07	\$ 1,423.83	0.71%
GO CCDL 2016B	\$ 2,064,708.50	\$ 2,057,951.11	\$ 2,064,697.58	\$ 1,202.68	0.71%
GO CCDL 2017A	\$ 259,243.41	\$ 258,378.64	\$ 259,225.68	\$ 151.00	0.71%
GO CCDL 2018A	\$ 2,949,125.45	\$ 2,928,420.01	\$ 2,936,772.46	\$ 1,488.73	0.62%
GO CCDL 2018B	\$ 3,350,310.69	\$ 3,288,089.73	\$ 3,299,036.68	\$ 1,951.53	0.72%
GO CCDL 2019A	\$ 24,049,975.93	\$ 23,556,218.47	\$ 23,508,439.54	\$ 14,008.92	0.72%
GO CCDL 2019B	\$ 10,057,119.47	\$ 10,024,260.64	\$ 10,057,122.28	\$ 5,858.18	0.71%
GO CCDL 2019C	\$ 119,561,752.55	\$ 118,864,765.03	\$ 119,160,965.85	\$ 69,474.21	0.71%
GO CCDK 2019D	\$ 17,500,000.00	\$ 17,442,818.57	\$ 17,500,000.01	\$ 10,193.62	0.71%
CCDL99A 1999A	\$ 206,569.39	\$ 205,749.11	\$ 206,424.05	\$ 120.32	0.71%
CCDL2011A CLEAN WATER CO	\$ 4,157.58	\$ 4,139.41	\$ 4,152.98	\$ 2.42	0.71%
	\$ -	\$ -	\$ -	\$ -	
Total Non-Operating Funds	\$ 192,769,972.16	\$ 191,354,991.73	\$ 191,761,747.90	\$ 111,886.35	0.71%
All Funds Total	\$ 519,864,358.29	\$ 979,090,731.75	\$ 1,671,924,910.92	\$ 334,534.97	0.42%

Section XIV.

Defined Contribution Plan



State of Rhode Island

401(a) Monthly Performance Summary

As of 4/30/2020

BUILT TO PERFORM.

CREATED TO SERVE.

State of Rhode Island 401(a) Performance Summary



As of 4/30/2020

The performance data quoted represents past performance and is no guarantee of future results. Your returns and the principal value of your investments will fluctuate so that your shares or accumulation units, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance quoted below. For performance current to the most recent month-end, visit the TIAA Website at www.tiaa.org, or call 877 518-9161.

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)
Investment Name	Ticker	Morningstar Category	Mgr Tenure	AUM \$M	Gross ER	Net ER	%ile ER	Rev Share	Recent Returns		Annualized Total Returns as of 3/31/2020											Incep Date		
									1 Mo	YTD	1 Yr	Category Rank	%ile	3 Yr	Category Rank	%ile	5 Yr	Category Rank	%ile	10 Yr	Category Rank		%ile	SI
STABLE VALUE																								
Stable Value/Guaranteed																								
TIAA Stable Value ¹		Crediting Rate as of 4/1/2020 = 2.45						0.00	0.20	0.80	2.37		2.16		2.05							1.98		3/31/2012
FIXED INCOME																								
Intermediate Core Bond																								
State Street US Bond Index Securities XIV ⁴		US Fund Intermediate Core Bond			0.02	0.02		0.00	1.79	5.05	9.00		13	4.86		7	3.37		9	3.88		32	3.59	6/30/2011
BBgBarc US Agg Bond TR USD									1.78	4.98	8.93			4.82			3.36			3.88				
Intermediate Core Bond Median					0.59				2.18	3.81	6.86			3.91			2.79			3.60				
Intermediate Core Bond Number of Funds													419			404			384			348		
Inflation-Protected Bond																								
PIMCO Real Return Instl	PRRIX	US Fund Inflation-Protected Bond	1.25	8,979	0.98	0.98	72	0.00	3.18	3.98	5.61	60	35	3.02	45	32	2.30	38	33	3.34	11	19	5.64	1/29/1997
BBgBarc US Treasury US TIPS TR USD									2.78	4.52	6.85			3.46			2.67			3.48				
Inflation-Protected Bond Median					0.66				2.93	2.53	4.28			2.24			1.71			2.64				
Inflation-Protected Bond Number of Funds					207								207			201			195			151		
EQUITY																								
Large Cap Blend																								
State Street S&P 500 Index Securities (Lending Series CI) II		US Fund Large Blend			0.01	0.01		0.00	12.81	(9.30)	(6.99)		26	5.01		22	6.61		15	10.40		12	4.54	5/31/1996
S&P 500 TR USD									12.82	(9.29)	(6.98)			5.10			6.73			10.53				
Vanguard FTSE Social Index Admiral ^{3,4}	VFTAX	US Fund Large Blend	4.33	6,369	0.14	0.14	5	0.00	13.45	(9.18)	(5.77)	197	16	6.28		8	7.14		7	11.03		3	(0.93)	2/7/2019
Spliced Social Index ²									13.45	(9.17)	(5.66)			6.38			7.26			11.18				
FTSE4Good US Select TR USD									13.45	(9.17)	(5.66)			6.38			7.26			11.18				
Russell 3000 TR USD									13.24	(10.42)	(9.13)			4.00			5.77			10.15				
Large Blend Median					0.85				12.71	(10.48)	(9.26)			3.26			4.97			9.17				
Large Blend Number of Funds					1306								1268			1207			1142			992		
Mid-Cap Growth																								
State Street Small Mid Cp Index Securities Series II		US Fund Mid-Cap Growth			0.02	0.02		0.00	15.62	(16.67)	(20.37)		93	(1.76)		93	1.13		88	8.15		79	(22.81)	6/17/2019
Russell Small Cap Complete TR USD									15.66	(16.59)	(20.36)			(1.70)			1.20			8.18				
Mid-Cap Growth Median					1.08				15.17	(7.58)	(9.12)			5.72			4.89			9.87				
Mid-Cap Blend Median					1.00				13.80	(18.74)	(20.85)			(4.04)			(0.44)			6.37				
Mid-Cap Growth Number of Funds													589			575			550			504		
Foreign Large Blend																								
State Street Global All Cap Equity Ex-U.S. Idx Securities II ⁴		US Fund Foreign Large Blend			0.05	0.04		0.00	8.53	(18.16)	(16.61)			(2.35)			(0.59)						2.35	4/30/2010
MSCI ACWI Ex USA IMI NR USD									8.15	(17.93)	(16.32)			(2.34)			(0.66)			2.14				
Foreign Large Blend Median					0.95				7.23	(18.18)	(15.48)			(2.62)			(1.21)			2.33				
Foreign Large Blend Number of Funds													688			650			582			499		

State of Rhode Island 401(a) Performance Summary



As of 4/30/2020

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(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	
Investment Name	Ticker	Morningstar Category	Mgr Tenure	AUM \$M	Gross ER	Net ER	%ile ER	Rev Share	Recent Returns		Annualized Total Returns as of 3/31/2020											Incep Date			
									1 Mo	YTD	1 Yr	Category Rank	%ile	3 Yr	Category Rank	%ile	5 Yr	Category Rank	%ile	10 Yr	Category Rank		%ile	SI	
ALLOCATION																									
Target-Date																									
Vanguard Target Retirement Inc Trust I		US Fund Target-Date Retirement			0.07	0.07		0.00	4.33	(1.83)	0.96	25	3.45	10	3.23	5	5.00	10	4.64	6/22/2007					
Vanguard Target Retirement Income Composite									4.53	(1.28)	1.43		3.67		3.41		5.10								
Target-Date Retirement Median						0.68			4.58	(3.25)	(1.65)		2.20		2.28		4.06								
Target-Date Retirement Number of Funds												189		173		161		121							
Vanguard Target Retirement 2015 Trust I		US Fund Target-Date 2015			0.07	0.07		0.00	4.90	(2.86)	(0.09)	10	3.67	13	3.63	3	6.10	19	4.56	6/28/2007					
Vanguard Target Retirement 2015 Composite									5.09	(2.31)	0.42		3.93		3.83		6.21								
Target-Date 2015 Median						0.60			5.37	(5.13)	(2.49)		2.54		2.84		5.50								
Target-Date 2015 Number of Funds												132		112		97		73							
Vanguard Target Retirement 2020 Trust I		US Fund Target-Date 2020			0.07	0.07		0.00	6.29	(5.11)	(2.57)	39	3.36	19	3.66	8	6.48	9	4.62	6/22/2007					
Vanguard Target Retirement 2020 Composite									6.49	(4.45)	(1.97)		3.65		3.88		6.67								
Target-Date 2020 Median						0.68			5.65	(5.52)	(3.17)		2.50		2.86		5.66								
Target-Date 2020 Number of Funds												236		213		190		133							
Vanguard Target Retirement 2025 Trust I		US Fund Target-Date 2025			0.07	0.07		0.00	7.30	(6.56)	(4.17)	38	3.17	20	3.71	9	6.74	7	4.54	6/28/2007					
Vanguard Target Retirement 2025 Composite									7.48	(5.89)	(3.55)		3.47		3.92		6.94								
Target-Date 2025 Median						0.66			6.54	(6.81)	(4.73)		2.33		2.95		6.02								
Target-Date 2025 Number of Funds												238		216		194		119							
Vanguard Target Retirement 2030 Trust I		US Fund Target-Date 2030			0.07	0.07		0.00	8.02	(7.87)	(5.66)	35	2.90	21	3.66	12	6.96	8	4.46	6/28/2007					
Vanguard Target Retirement 2030 Composite									8.19	(7.21)	(5.04)		3.21		3.89		7.16								
Target-Date 2030 Median						0.69			7.48	(8.48)	(6.58)		2.07		2.89		6.13								
Target-Date 2030 Number of Funds												244		222		199		135							
Vanguard Target Retirement 2035 Trust I		US Fund Target-Date 2035			0.07	0.07		0.00	8.75	(9.16)	(7.16)	30	2.62	21	3.62	13	7.18	10	4.49	6/28/2007					
Vanguard Target Retirement 2035 Composite									8.90	(8.55)	(6.54)		2.93		3.84		7.37								
Target-Date 2035 Median						0.68			8.72	(9.79)	(8.64)		1.77		2.78		6.32								
Target-Date 2035 Number of Funds												232		210		188		113							

State of Rhode Island 401(a) Performance Summary



As of 4/30/2020

The performance data quoted represents past performance and is no guarantee of future results. Your returns and the principal value of your investments will fluctuate so that your shares or accumulation units, when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance quoted below. For performance current to the most recent month-end, visit the TIAA Website at www.tiaa.org, or call 877 518-9161.

Investment Name	Ticker	Morningstar Category	Mgr Tenure	AUM \$M	Gross ER	Net ER	%ile ER	Rev Share	Recent Returns		Annualized Total Returns as of 3/31/2020										Incep Date			
									1 Mo	YTD	1 Yr	Category Rank	%ile	3 Yr	Category Rank	%ile	5 Yr	Category Rank	%ile	10 Yr		Category Rank	%ile	SI
ALLOCATION																								
Target-Date																								
Vanguard Target Retirement 2040 Trust I		US Fund Target-Date 2040			0.07	0.07		0.00	9.48	(10.44)	(8.63)	29	2.33	19	3.53	13	7.28	10	4.60	6/28/2007				
Vanguard Target Retirement 2040 Composite									9.61	(9.90)	(8.05)		2.63		3.77		7.49							
Target-Date 2040 Median					0.72				9.34	(11.06)	(10.08)		1.36		2.59		6.27							
Target-Date 2040 Number of Funds												244		222		199		135						
Vanguard Target Retirement 2045 Trust I		US Fund Target-Date 2045			0.07	0.07		0.00	10.18	(11.67)	(10.08)	32	1.87	27	3.31	18	7.17	12	4.49	6/28/2007				
Vanguard Target Retirement 2045 Composite									10.32	(11.17)	(9.51)		2.19		3.57		7.39							
Target-Date 2045 Median					0.70				9.84	(12.04)	(11.01)		1.09		2.53		6.39							
Target-Date 2045 Number of Funds												232		210		188		112						
Vanguard Target Retirement 2050 Trust I		US Fund Target-Date 2050			0.07	0.07		0.00	10.22	(11.64)	(10.09)	19	1.87	21	3.30	17	7.18	13	4.54	6/28/2007				
Vanguard Target Retirement 2050 Composite									10.32	(11.17)	(9.51)		2.19		3.57		7.39							
Target-Date 2050 Median					0.72				9.93	(12.60)	(11.35)		0.94		2.40		6.35							
Target-Date 2050 Number of Funds												244		222		199		110						
Vanguard Target Retirement 2055 Trust I		US Fund Target-Date 2055			0.07	0.07		0.00	10.20	(11.66)	(10.09)	19	1.87	22	3.29	17			7.36	10/5/2010				
Vanguard Target Retirement 2055 Composite									10.32	(11.17)	(9.51)		2.19		3.57									
Target-Date 2055 Median					0.70				10.09	(12.90)	(11.61)		1.01		2.49									
Target-Date 2055 Number of Funds												232		207		180		42						
Vanguard Target Retirement 2060 Trust I		US Fund Target-Date 2060+			0.07	0.07		0.00	10.22	(11.59)	(10.02)	16	1.89	25	3.31	26			6.73	3/1/2012				
Vanguard Target Retirement 2060 Composite									10.32	(11.17)	(9.51)		2.19		3.57									
Target-Date 2060+ Median					0.70				10.20	(13.14)	(11.65)		1.13		3.04									
Target-Date 2060+ Number of Funds												228		162		69								
Vanguard Target Retirement 2065 Trust I		US Fund Target-Date 2060+			0.07	0.07		0.00	10.23	(11.63)	(10.10)	17							1.43	7/21/2017				
Vanguard Target Retirement 2065 Composite									10.32	(11.17)	(9.51)													
Target-Date 2060+ Median					0.70				10.20	(13.14)	(11.65)													
Target-Date 2060+ Number of Funds												228		162		69								

Source: Morningstar, TIAA and State Street Global Advisors

1 month and YTD (Year To Date) returns are as of 4/30/2020. All others returns and data are as of 3/31/2020.

State of Rhode Island

401(a) Performance Summary



As of 4/30/2020

% -ile --> Percentile Ranking in Morningstar Category

Note: Rankings shown for returns are calculated by Morningstar. Rankings for expense ratio is calculated by TIAA and may differ based on calculation methods

Morningstar peer rankings include fractional weights for all share classes. Morningstar peer rankings also include ETFs. Depending on the category, this may cause some variances with the category median illustrated in this report since most ETFs are index based options that can include more volatile and less mainstream indices.

SI = Since Inception Annualized Total Return; Incep. Date = Since Inception Date (SI return is calculated from this date)

¹ TIAA Stable Value is not an investment for purposes of federal securities laws; it is a guaranteed insurance contract. Therefore, unlike a variable annuity or mutual fund, TIAA Stable Value does not include an identifiable expense ratio. The contract provides a guaranteed minimum rate of interest of between 1% and 3% (before deductions for contract fees). Contract Fees are described in the annuity contract and are collected on a daily basis by way of a reduction to the Declared Rate. Payment obligations and the fulfillment of the guarantees provided for in the contract in the accumulation phase are supported by the assets held in the separate account. If the assets in the separate account are insufficient to meet these obligations, the shortfall is supported by the General Account of TIAA and is therefore subject to TIAA's claims-paying ability. Past interest rates are not indicative of future interest rates. The TIAA Stable Value Inception Date represents the date that the plan's TIAA Stable Value record was initiated on TIAA's recordkeeping system which may be earlier than the date of first deposit to the contract.

² Calvert Social Index through December 16, 2005; FTSE4Good US Select Index thereafter.

³ Investor share migrated to Admiral share 08/1/2019.

⁴ Performance shown for periods prior to the inception date reflects the performance of an older share class of the fund/account or underlying fund. Total returns have not been restated to reflect any expense differential between any of the classes. Had the expense differential been reflected, total returns for the fund may have been higher or lower. Category ranks are not available for periods prior to the inception of the fund. Category ranks are not shown for State Street Global All Cap Equity Ex-U.S. Index Securities II because Morningstar does not provide a longer history for the product.

You cannot invest directly in an index.

Accumulations in mutual funds not managed by TIAA-CREF may be subject to administrative charges. These charges are subject to change. Please review current documents related to your plan.

The expense ratio paid by an investor is the net expense ratio as stated in the prospectus. The net expense ratio reflects total annual fund operating expenses excluding interest expense. If interest expense was included, returns would have been lower. For definitions please visit www.tiaa-cref.org/public/assetmanagement

Vanguard Index Information available at <http://www.vanguard.com>

Investing in non-investment grade securities presents special risks, including significantly higher interest-rate and credit risk.

Small-cap and mid-cap stocks may have limited marketability and may be subject to more abrupt or erratic market movements than large-cap stocks.

The risks associated with foreign investments are often magnified in emerging markets where there is greater potential for political, currency, and economic volatility.

Funds that invest in fixed-income securities are not guaranteed and are subject to interest-rate, inflation and credit risks.

Funds that invest in foreign securities are subject to special risks, including currency fluctuation and political and economic instability.

Real estate securities are subject to various risks, including fluctuations in property values, higher expenses or lower income than expected, and potential environmental problems and liability.

Any guarantees under annuities issued by TIAA are subject to TIAA's claims-paying ability. TIAA Stable Value is a guaranteed insurance contract and not an investment for Federal Securities Law purposes.

Target Date Funds share the risks associated with the types of securities held by each of the underlying funds in which they invest. In addition to the fees and expenses associated with the Target Date Funds, there is exposure to the fees and expenses associated with the underlying mutual funds as well.

Investment, insurance and annuity products are not FDIC insured, are not bank guaranteed, are not deposits, are not insured by any federal government agency, are not a condition to any banking service or activity, and may lose value.

Morningstar Ranking/Number of Funds in Category displays the Fund's actual rank within its Morningstar Category based on average annual total return and number of funds in that Category. The returns assume reinvestment of dividends and do not reflect any applicable sales charge. Absent expense limitation, total return would be less. Morningstar Percentile Rankings are the Fund's total return rank relative to all funds in the same Morningstar category, where 1 is the highest percentile and 100 is the lowest percentile.

Prospectus Gross Expense Ratio

The percentage of fund assets used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

--The expense ratio for fund of funds is the aggregate expense ratio as defined as the sum of the wrap or sponsor fees plus the estimated weighted average of the underlying fund fees.

--Often referred to as the Annual Operating Expense, the Prospectus Gross Expense Ratio is collected annually from a fund's prospectus.

Prospectus Net Expense Ratio

The percentage of fund assets, net of reimbursements, used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

--The expense ratio for fund of funds is the aggregate expense ratio as defined as the sum of the wrap or sponsor fees plus the estimated weighted average of the underlying fund fees.

--Net reimbursements, the Prospectus Net Expense Ratio is collected annually from a fund's prospectus.

--TIAA, unless noted, does not charge additional fees for record keeping a fund. 12b-1, revenue share and admin fees are all included in the Prospectus fees. -- Prospectus Net Expense Ratio % - ile rank is the percentile rank for the fund. The better the expense ratio (lower) the lower the ranking out of 100.

By communicating the information contained in this material, TIAA is not providing impartial investment advice or giving advice in a fiduciary capacity regarding any investment by, or other transaction of, the plan(s). TIAA is acting solely in a sales capacity with respect to an arms-length sale, purchase, loan, exchange or other transaction related to the investment of securities or other investment property.

State of Rhode Island - Plan Balance Summary

401(a)/414(h)(2)

State of Rhode Island Defined Contribution Retirement Plan



As of 4/30/2020

<i>Investment Name</i>	<i>Asset Class Description</i>		<i>Balance</i>
State Street S&P 500 Index Securities (Lending Series CI) II	Equities	\$	34,709,234
State Street Small Mid Cp Index Securities Series II	Equities	\$	23,166,038
TIAA Stable Value	Guaranteed	\$	19,550,592
State Street Global All Cap Equity Ex-U.S. Idx Securities II	Equities	\$	12,946,749
State Street US Bond Index Securities XIV	Fixed Income	\$	9,380,061
PIMCO Real Return Institutional	Fixed Income	\$	8,624,231
Vanguard FTSE Social Index Admiral	Equities	\$	4,063,108
Vanguard Target Retirement Income Trust I	Multi-Asset	\$	11,204,559
Vanguard Target Retirement 2015 Trust I	Multi-Asset	\$	40,902,992
Vanguard Target Retirement 2020 Trust I	Multi-Asset	\$	107,472,739
Vanguard Target Retirement 2025 Trust I	Multi-Asset	\$	142,046,868
Vanguard Target Retirement 2030 Trust I	Multi-Asset	\$	153,386,341
Vanguard Target Retirement 2035 Trust I	Multi-Asset	\$	171,216,023
Vanguard Target Retirement 2040 Trust I	Multi-Asset	\$	137,523,882
Vanguard Target Retirement 2045 Trust I	Multi-Asset	\$	104,194,269
Vanguard Target Retirement 2050 Trust I	Multi-Asset	\$	63,972,895
Vanguard Target Retirement 2055 Trust I	Multi-Asset	\$	28,724,557
Vanguard Target Retirement 2060 Trust I	Multi-Asset	\$	6,604,105
Vanguard Target Retirement 2065 Trust I	Multi-Asset	\$	600,244
		\$	1,080,289,486

State of Rhode Island - Plan Balance Summary

401(a)

Rhode Island FICA 406403 Alternative Retirement Income Security Program



As of 4/30/2020

<i>Investment Name</i>	<i>Asset Class Description</i>		<i>Balance</i>
TIAA Stable Value	Guaranteed	\$	2,233
Vanguard Target Retirement Income Trust I	Multi-Asset	\$	12,993
Vanguard Target Retirement 2015 Trust I	Multi-Asset	\$	13,715
Vanguard Target Retirement 2020 Trust I	Multi-Asset	\$	1,387,920
Vanguard Target Retirement 2025 Trust I	Multi-Asset	\$	178,701
Vanguard Target Retirement 2030 Trust I	Multi-Asset	\$	195,065
Vanguard Target Retirement 2035 Trust I	Multi-Asset	\$	117,141
Vanguard Target Retirement 2040 Trust I	Multi-Asset	\$	94,098
Vanguard Target Retirement 2045 Trust I	Multi-Asset	\$	102,322
Vanguard Target Retirement 2050 Trust I	Multi-Asset	\$	124,988
Vanguard Target Retirement 2055 Trust I	Multi-Asset	\$	231,820
Vanguard Target Retirement 2060 Trust I	Multi-Asset	\$	578,749
Vanguard Target Retirement 2065 Trust I	Multi-Asset	\$	179,881
		\$	3,219,627

Disclosures



TIAA is providing educational services concerning plan menu construction and the plan sponsor's fiduciary duties under its plan. It is not providing investment advice and is not a plan fiduciary with respect to the education and information presented herein. Note also that TIAA cannot and does not provide legal advice and that we recommend that you seek such advice from your own legal advisors.

TIAA reported performance may differ from Morningstar source returns for the same option over the same time period. We would expect an occasional one to two basis point difference. Morningstar Direct calculates returns by one share owned by hypothetical investor over the requested time period. The return for one year is calculated using the same formula as one month. TIAA calculates returns by \$1,000 owned by hypothetical investor for one month then links returns for requested time period. Both set of returns would include dividends and capital gains, if applicable.

Investment products may be subject to market and other risk factors. See the applicable product literature or visit tiaa.org for details. You should consider the investment objectives, risks, charges and expenses carefully before investing. Please call 877-518-9161 or go to www.TIAA.org/prospectuses for current product and fund prospectuses that contain this and other information. Please read the prospectuses carefully before investing.

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BUILT TO PERFORM.

CREATED TO SERVE.

Section XV.

457 Plans



State of Rhode Island

457(b) Monthly Performance Summary

As of 4/30/2020

BUILT TO PERFORM.

CREATED TO SERVE.

State of Rhode Island 457(b) Performance Summary



As of 4/30/2020

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(A) Investment Name	(B) Ticker	(C) Morningstar Category	(D) Mgr Tenure	(E) AUM \$M	(F) Gross ER	(G) Net ER	(H) %-ile ER	(I) Rev Share	(J) (K) Recent Returns			(L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) Annualized Total Returns as of 3/31/2020												
									1 Mo	YTD	1 Yr	Category Rank	%-ile	3 Yr	Category Rank	%-ile	5 Yr	Category Rank	%-ile	10 Yr	Category Rank	%-ile	SI	Incep Date
GUARANTEED																								
Guaranteed																								
TIAA Traditional Annuity Retirement Choice Plus ⁶		Crediting Rate as of 4/1/2020 = 2.25						0.15	0.27	1.06	3.24		3.29		3.40		3.45		3.67	6/1/2006				
FIXED INCOME																								
Intermediate Core Bond																								
State Street US Bond Index Securities XIV ⁵		US Fund Intermediate Core Bond			0.02	0.02		0.00	1.79	5.05	9.00	13	4.86	7	3.37	9	3.88	32	3.59	6/30/2011				
BBgBarc US Agg Bond TR USD									1.78	4.98	8.93		4.82		3.36		3.88							
Intermediate Core Bond Median						0.59			2.18	3.81	6.86		3.91		2.79		3.60							
Intermediate Core Bond Number of Funds												419			404		384			348				
Intermediate Core-Plus Bond																								
PIMCO Total Return Instl	PTTRX	US Fund Interm Core-Plus Bond	5.58	66,752	0.71	0.71	53	0.00	1.83	4.07	7.64	51	7	4.51	46	8	3.24	48	14	4.11	96	32	7.13	5/11/1987
BBgBarc US Agg Bond TR USD									1.78	4.98	8.93		4.82		3.36		3.88							
Intermediate Core-Plus Bond Median						0.70			2.78	1.73	4.56		3.34		2.62		3.87							
Intermediate Core-Plus Bond Number of Funds								609					604		568		521						462	
Inflation-Protected Bond																								
American Century Inflation-Adjs Bond R6 ⁵	AIADX	US Fund Inflation-Protected Bond	18.42	2,351	0.22	0.22	10	0.00	2.93	3.11	4.80	84	45	2.53		50	2.03		43	2.86		42	2.80	7/28/2017
BBgBarc US Treasury US TIPS TR USD									2.78	4.52	6.85		3.46		2.67		3.48							
Inflation-Protected Bond Median						0.66			2.93	2.53	4.28		2.24		1.71		2.64							
Inflation-Protected Bond Number of Funds								207					207		201		195						151	

State of Rhode Island 457(b) Performance Summary



As of 4/30/2020

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(A) Investment Name	(B) Ticker	(C) Morningstar Category	(D) Mgr Tenure	(E) AUM \$M	(F) Gross ER	(G) Net ER	(H) %-ile ER	(I) Rev Share	(J)-(K) Recent Returns			(L)-(W) Annualized Total Returns as of 3/31/2020											(X) Incep Date	
									1 Mo	YTD	1 Yr	Category Rank	%-ile	3 Yr	Category Rank	%-ile	5 Yr	Category Rank	%-ile	10 Yr	Category Rank	%-ile		SI
EQUITY																								
Large Cap Blend																								
State Street S&P 500 Index Securities (Lending Series CI) II S&P 500 TR USD		US Fund Large Blend			0.01	0.01		0.00	12.81	(9.30)	(6.99)	26	5.01	22	6.61	15	10.40	12	4.54	5/31/1996				
Vanguard FTSE Social Index Admiral ^{4, 5}	VFTAX	US Fund Large Blend	4.33	6,369	0.14	0.14	5	0.00	12.82	(9.29)	(6.98)		5.10		6.73		10.53							
Spliced Social Index ¹									13.45	(9.18)	(5.77)	197	16	8	7.14	7	11.03	3	(0.93)	2/7/2019				
FTSE4Good US Select TR USD									13.45	(9.17)	(5.66)		6.38		7.26		11.18							
Russell 3000 TR USD									13.45	(9.17)	(5.66)		6.38		7.26		11.18							
Large Blend Median						0.85			13.24	(10.42)	(9.13)		4.00		5.77		10.15							
Large Blend Number of Funds							1,306		12.71	(10.48)	(9.26)		3.26		4.97		9.17							
												1,268			1,207		1,142			992				
Mid-Cap Blend																								
Vanguard Mid Cap Index Institutional	VMCIX	US Fund Mid-Cap Blend	21.92	23,174	0.04	0.04	2	0.00	14.40	(15.00)	(16.63)	62	20	(0.25)	34	12	2.10	23	12	8.87	11	7	8.43	5/21/1998
Spliced Mid Cap Index ²									14.40	(15.05)	(16.65)			(0.25)			2.11			8.90				
CRSP US Mid Cap TR USD Mid-Cap Blend Median						1.00			14.40	(15.05)	(16.65)			(0.25)			2.11			9.05				
Mid-Cap Blend Number of Funds							380		13.80	(18.74)	(20.85)			(4.04)			(0.44)			6.37				
												369			358		316			276				
Small Blend																								
Vanguard Small Cap Index I	VSCIX	US Fund Small Blend	4.00	20,983	0.04	0.04	2	0.00	14.65	(19.84)	(23.34)	156	21	(3.26)	52	9	0.43	60	14	7.86	28	8	7.21	7/7/1997
Spliced Small Cap Index ³									14.65	(19.83)	(23.38)			(3.28)			0.40			7.81				
CRSP US Small Cap TR USD									14.65	(19.83)	(23.38)			(3.28)			0.40			8.04				
Small Blend Median						1.08			13.63	(23.22)	(25.88)			(6.53)			(1.54)			6.12				
Small Blend Number of Funds							665						659		647		595			490				
Foreign Large Blend																								
State Street Global All Cap Equity Ex-U.S. Idx Securities II ⁵		US Fund Foreign Large Blend			0.05	0.04		0.00	8.53	(18.16)	(16.61)			(2.35)			(0.59)						2.35	4/30/2010
MSCI ACWI Ex USA IMI NR USD									8.15	(17.93)	(16.32)			(2.34)			(0.66)			2.14				
Foreign Large Blend Median						0.95			7.23	(18.18)	(15.48)			(2.62)			(1.21)			2.33				
Foreign Large Blend Number of Funds													688		650		582			499				
Foreign Large Growth																								
American Funds Europacific Growth R6	REGRX	US Fund Foreign Large Growth	18.83	130,333	0.49	0.49	3	0.00	9.03	(15.43)	(12.70)	393	85	0.28	272	69	0.91	174	57	3.97	134	59	6.69	5/1/2009
MSCI ACWI Ex USA NR USD									7.58	(17.55)	(15.57)			(1.96)			(0.64)			2.05				
Foreign Large Growth Median						1.05			8.55	(12.33)	(8.34)			1.49			1.25			4.17				
Foreign Large Growth Number of Funds							488						476		459		419			340				

State of Rhode Island 457(b) Performance Summary



As of 4/30/2020

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									1 Mo	YTD	1 Yr	Category Rank	%-ile	3 Yr	Category Rank	%-ile	5 Yr	Category Rank	%-ile	10 Yr	Category Rank		%-ile	SI
Vanguard Target Retirement Inc Trust I		US Fund Target-Date Retirement			0.07	0.07		0.00	4.33	(1.83)	0.96	25	3.45	10	3.23	5	5.00	10	4.64	6/22/2007				
<i>Vanguard Target Retirement Income Composite</i>									4.53	(1.28)	1.43		3.67		3.41		5.10							
<i>Target-Date Retirement Median</i>						0.68			4.58	(3.25)	(1.65)		2.20		2.28		4.06							
<i>Target-Date Retirement Number of Funds</i>												189			173				121					
Vanguard Target Retirement 2015 Trust I		US Fund Target-Date 2015			0.07	0.07		0.00	4.90	(2.86)	(0.09)	10	3.67	13	3.63	3	6.10	19	4.56	6/28/2007				
<i>Vanguard Target Retirement 2015 Composite</i>									5.09	(2.31)	0.42		3.93		3.83		6.21							
<i>Target-Date 2015 Median</i>						0.60			5.37	(5.13)	(2.49)		2.54		2.84		5.50							
<i>Target-Date 2015 Number of Funds</i>												132			112				73					
Vanguard Target Retirement 2020 Trust I		US Fund Target-Date 2020			0.07	0.07		0.00	6.29	(5.11)	(2.57)	39	3.36	19	3.66	8	6.48	9	4.62	6/22/2007				
<i>Vanguard Target Retirement 2020 Composite</i>									6.49	(4.45)	(1.97)		3.65		3.88		6.67							
<i>Target-Date 2020 Median</i>						0.68			5.65	(5.52)	(3.17)		2.50		2.86		5.66							
<i>Target-Date 2020 Number of Funds</i>												236			213				133					
Vanguard Target Retirement 2025 Trust I		US Fund Target-Date 2025			0.07	0.07		0.00	7.30	(6.56)	(4.17)	38	3.17	20	3.71	9	6.74	7	4.54	6/28/2007				
<i>Vanguard Target Retirement 2025 Composite</i>									7.48	(5.89)	(3.55)		3.47		3.92		6.94							
<i>Target-Date 2025 Median</i>						0.66			6.54	(6.81)	(4.73)		2.33		2.95		6.02							
<i>Target-Date 2025 Number of Funds</i>												238			216				119					
Vanguard Target Retirement 2030 Trust I		US Fund Target-Date 2030			0.07	0.07		0.00	8.02	(7.87)	(5.66)	35	2.90	21	3.66	12	6.96	8	4.46	6/28/2007				
<i>Vanguard Target Retirement 2030 Composite</i>									8.19	(7.21)	(5.04)		3.21		3.89		7.16							
<i>Target-Date 2030 Median</i>						0.69			7.48	(8.48)	(6.58)		2.07		2.89		6.13							
<i>Target-Date 2030 Number of Funds</i>												244			222				135					
Vanguard Target Retirement 2035 Trust I		US Fund Target-Date 2035			0.07	0.07		0.00	8.75	(9.16)	(7.16)	30	2.62	21	3.62	13	7.18	10	4.49	6/28/2007				
<i>Vanguard Target Retirement 2035 Composite</i>									8.90	(8.55)	(6.54)		2.93		3.84		7.37							
<i>Target-Date 2035 Median</i>						0.68			8.72	(9.79)	(8.64)		1.77		2.78		6.32							
<i>Target-Date 2035 Number of Funds</i>												232			210				113					

ALLOCATION

Target-Date

State of Rhode Island 457(b) Performance Summary



As of 4/30/2020

% -ile --> Percentile Ranking in Morningstar Category

Note: Rankings shown for returns are calculated by Morningstar. Rankings for expense ratio is calculated by TIAA and may differ based on calculation methods

Morningstar peer rankings include fractional weights for all share classes. Morningstar peer rankings also include ETFs. Depending on the category, this may cause some variances with the category median illustrated in this report since most ETFs are index based options that can include more volatile and less mainstream indices.

SI = Since Inception Annualized Total Return; Incep. Date = Since Inception Date (SI return is calculated from this date)

¹ Calvert Social Index through December 16, 2005; FTSE4Good US Select Index thereafter.

² S&P MidCap 400 Index through May 16, 2003; the MSCI US Mid Cap 450 Index through January 30, 2013; and the CRSP US Mid Cap Index thereafter.

³ Russell 2000 Index through May 16, 2003; the MSCI US Small Cap 1750 Index through January 30, 2013; and the CRSP US Small Cap Index thereafter

⁴ Investor share migrated to Admiral share 08/1/2019.

⁵ Performance shown for periods prior to the inception date reflects the performance of an older share class of the fund/account or underlying fund. Total returns have not been restated to reflect any expense differential between any of the classes. Had the expense differential been reflected, total returns for the fund may have been higher or lower. Category ranks are not available for periods prior to the inception of the fund. Category ranks are not shown for State Street Global All Cap Equity Ex-U.S. Index Securities II because Morningstar does not provide a longer history for the product.

⁶ It is important to remember that the TIAA Traditional Annuity is not an investment for purposes of federal securities laws; it is a guaranteed insurance contract. Therefore, unlike a variable annuity or mutual fund, the TIAA Traditional Annuity does not include an identifiable expense ratio.

You cannot invest directly in an index.

Accumulations in mutual funds not managed by TIAA-CREF may be subject to administrative charges. These charges are subject to change. Please review current documents related to your plan.

The expense ratio paid by an investor is the net expense ratio as stated in the prospectus. The net expense ratio reflects total annual fund operating expenses excluding interest expense. If interest expense was included, returns would have been lower. For definitions please visit www.tiaa-cref.org/public/assetmanagement

Vanguard Index Information available at <http://www.vanguard.com>

Investing in non-investment grade securities presents special risks, including significantly higher interest-rate and credit risk.

Small-cap and mid-cap stocks may have limited marketability and may be subject to more abrupt or erratic market movements than large-cap stocks.

The risks associated with foreign investments are often magnified in emerging markets where there is greater potential for political, currency, and economic volatility.

Funds that invest in fixed-income securities are not guaranteed and are subject to interest-rate, inflation and credit risks.

Funds that invest in foreign securities are subject to special risks, including currency fluctuation and political and economic instability.

Real estate securities are subject to various risks, including fluctuations in property values, higher expenses or lower income than expected, and potential environmental problems and liability.

Any guarantees under annuities issued by TIAA are subject to TIAA's claims-paying ability. TIAA Traditional is a guaranteed insurance contract and not an investment for Federal Securities Law purposes.

Target Date Funds share the risks associated with the types of securities held by each of the underlying funds in which they invest. In addition to the fees and expenses associated with the Target Date Funds, there is exposure to the fees and expenses associated with the underlying mutual funds as well.

Investment, insurance and annuity products are not FDIC insured, are not bank guaranteed, are not deposits, are not insured by any federal government agency, are not a condition to any banking service or activity, and may lose value.

Morningstar Ranking/Number of Funds in Category displays the Fund's actual rank within its Morningstar Category based on average annual total return and number of funds in that Category. The returns assume reinvestment of dividends and do not reflect any applicable sales charge. Absent expense limitation, total return would be less. Morningstar Percentile Rankings are the Fund's total return rank relative to all funds in the same Morningstar category, where 1 is the highest percentile and 100 is the lowest percentile.

Prospectus Gross Expense Ratio

The percentage of fund assets used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

--The expense ratio for fund of funds is the aggregate expense ratio as defined as the sum of the wrap or sponsor fees plus the estimated weighted average of the underlying fund fees.

--Often referred to as the Annual Operating Expense, the Prospectus Gross Expense Ratio is collected annually from a fund's prospectus.

Prospectus Net Expense Ratio

The percentage of fund assets, net of reimbursements, used to pay for operating expenses and management fees, including 12b-1 fees, administrative fees, and all other asset-based costs incurred by the fund, except brokerage costs. Fund expenses are reflected in the fund's NAV. Sales charges are not included in the expense ratio.

--The expense ratio for fund of funds is the aggregate expense ratio as defined as the sum of the wrap or sponsor fees plus the estimated weighted average of the underlying fund fees.

--Net reimbursements, the Prospectus Net Expense Ratio is collected annually from a fund's prospectus.

--TIAA, unless noted, does not charge additional fees for record keeping a fund. 12b-1, revenue share and admin fees are all included in the Prospectus fees. --

Prospectus Net Expense Ratio % - ile rank is the percentile rank for the fund. The better the expense ratio (lower) the lower the ranking out of 100.

By communicating the information contained in this material, TIAA is not providing impartial investment advice or giving advice in a fiduciary capacity regarding any investment by, or other transaction of, the plan(s). TIAA is acting solely in a sales capacity with respect to an arms-length sale, purchase, loan, exchange or other transaction related to the investment of securities or other investment property.

State of Rhode Island - Plan Balance Summary

457(b)

State of Rhode Island 457(b) Deferred Compensation Plan



As of 4/30/2020

<i>Investment Name</i>	<i>Asset Class Description</i>		<i>Balance</i>
State Street S&P 500 Index Securities (Lending Series CI) II	Equities	\$	11,597,242
TIAA Traditional Annuity (Retirement Choice Plus)	Guaranteed	\$	9,615,394
Vanguard Mid-Cap Index Institutional	Equities	\$	4,373,830
VALIC Fixed-Interest Option 3.00%	Guaranteed	\$	3,959,401
Vanguard Small-Cap Index Institutional	Equities	\$	2,325,480
American EuroPacific Growth R6	Equities	\$	1,643,076
State Street US Bond Index Securities XIV	Fixed Income	\$	722,670
PIMCO Total Return Institutional	Fixed Income	\$	688,975
Vanguard FTSE Social Index Adm	Equities	\$	656,465
American Century Inflation Adjusted Bond R6	Fixed Income	\$	641,423
State Street Global All Cap Equity Ex-U.S. Idx Securities II	Equities	\$	342,028
VALIC Fixed-Interest Option 1.50%	Guaranteed	\$	18,812
Self-Directed Brokerage Account	Other	\$	4,563
Vanguard Target Retirement Income Trust I	Multi-Asset	\$	85,601
Vanguard Target Retirement 2015 Trust I	Multi-Asset	\$	501,402
Vanguard Target Retirement 2020 Trust I	Multi-Asset	\$	756,587
Vanguard Target Retirement 2025 Trust I	Multi-Asset	\$	680,906
Vanguard Target Retirement 2030 Trust I	Multi-Asset	\$	1,548,516
Vanguard Target Retirement 2035 Trust I	Multi-Asset	\$	501,625
Vanguard Target Retirement 2040 Trust I	Multi-Asset	\$	149,799
Vanguard Target Retirement 2045 Trust I	Multi-Asset	\$	170,593
Vanguard Target Retirement 2050 Trust I	Multi-Asset	\$	146,385
Vanguard Target Retirement 2055 Trust I	Multi-Asset	\$	79,299
Vanguard Target Retirement 2060 Trust I	Multi-Asset	\$	35,363
Vanguard Target Retirement 2065 Trust I	Multi-Asset	\$	5,454
		\$	41,250,888

Disclosures



TIAA is providing educational services concerning plan menu construction and the plan sponsor's fiduciary duties under its plan. It is not providing investment advice and is not a plan fiduciary with respect to the education and information presented herein. Note also that TIAA cannot and does not provide legal advice and that we recommend that you seek such advice from your own legal advisors.

TIAA reported performance may differ from Morningstar source returns for the same option over the same time period. We would expect an occasional one to two basis point difference. Morningstar Direct calculates returns by one share owned by hypothetical investor over the requested time period. The return for one year is calculated using the same formula as one month. TIAA calculates returns by \$1,000 owned by hypothetical investor for one month then links returns for requested time period. Both set of returns would include dividends and capital gains, if applicable.

Investment products may be subject to market and other risk factors. See the applicable product literature or visit tiaa.org for details. You should consider the investment objectives, risks, charges and expenses carefully before investing. Please call 877-518-9161 or go to www.TIAA.org/prospectuses for current product and fund prospectuses that contain this and other information. Please read the prospectuses carefully before investing.

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tiaa.org

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BUILT TO PERFORM.

CREATED TO SERVE.

Monthly Plan Performance Update

STATE OF RHODE ISLAND - STATE OF RI (35835)

Performance data shown represents past performance and is no guarantee of future results. Investment return and principal value will fluctuate, so you may have a gain or loss when shares are sold. Current performance may be higher or lower than that quoted. Visit your Fidelity website for the most recent month-end performance.

Name	Cumulative Total Returns				Average Annual Total Returns				
	As of	1 mo	3 mo	YTD	As of	1 yr	3 yr	5 yr	10 yr
DOW JONES INDUSTRIAL AVERAGE	04/30/2020	11.22	-13.30	-14.07	03/31/2020	-13.38	4.42	6.86	10.00
BLOOMBERG BARCLAYS U.S. AGGREGATE BOND INDEX	04/30/2020	1.78	3.00	4.98	03/31/2020	8.93	4.82	3.36	3.88
NASDAQ COMPOSITE INDEX	04/30/2020	15.49	-2.60	-0.63	03/31/2020	0.70	10.39	10.70	13.67
RUSSELL 2000 INDEX	04/30/2020	13.74	-18.47	-21.08	03/31/2020	-23.99	-4.64	-0.25	6.90
S&P 500 INDEX	04/30/2020	12.82	-9.26	-9.29	03/31/2020	-6.98	5.10	6.73	10.53

Investment Name	Cumulative Total Returns				Average Annual Total Returns					Fees			
	As of	1 mo	3 mo	YTD	As of	1 yr	3 yr	5 yr	10 yr	Life	Short Term Trading	Expense Ratio	Inception Date
Stock Investments													
Others													
VAN FTSE SOC IDX ADM	04/30/2020	13.45	-9.39	-9.18	03/31/2020	-5.77	6.28	7.14	11.03	4.96	--	0.14% on 12/20/2019	01/14/2003
Large Cap													
FID CONTRAFUND K	04/30/2020	14.52	-3.13	-1.09	03/31/2020	-1.84	9.79	9.07	12.02	12.23	--	0.77% on 02/29/2020	05/17/1967
FID LARGE CAP STOCK	04/30/2020	10.41	-14.88	-17.14	03/31/2020	-13.40	0.52	3.45	9.07	7.51	--	0.63% on 06/29/2019	06/22/1995
INVESCO DIVRS DIV R6	04/30/2020	8.72	-16.14	-17.59	03/31/2020	-14.75	-2.24	1.90	7.46	6.81	--	0.43% on 02/28/2020	12/31/2001
SS S&P 500 INDEX II	04/30/2020	12.81	-9.27	-9.30	03/31/2020	-6.99	5.01	6.61	10.40	7.83	--	0.01% on 12/31/2019	02/28/1996
Mid-Cap													
FID LOW PRICED STK K	04/30/2020	12.73	-15.19	-18.88	03/31/2020	-18.04	-2.18	0.78	7.34	12.05	--	0.43% on 09/28/2019	12/27/1989
SS RSL SMMDCP IDX II	04/30/2020	15.62	-16.13	-16.67	03/31/2020	-20.35	-1.67	1.25	8.30	6.88	--	0.02% on 03/31/2020	08/31/1997
International													
AF EUROPAC GROWTH R6	04/30/2020	9.03	-12.77	-15.43	03/31/2020	-12.70	0.28	0.91	3.97	10.09	--	0.49% on 06/01/2019	04/16/1984
SS GACEQ EXUS IDX II	04/30/2020	8.53	-15.22	-18.16	03/31/2020	--	--	--	--	-14.27	--	0.06% on 12/31/2019	05/31/2019

Investment Name	Cumulative Total Returns				Average Annual Total Returns					Fees			Inception Date
	As of	1 mo	3 mo	YTD	As of	1 yr	3 yr	5 yr	10 yr	Life	Short Term Trading	Expense Ratio	
Blended Investments*													
Others													
FID FREEDOM 2005 K	04/30/2020	3.60	-3.13	-2.82	03/31/2020	0.18	3.19	3.26	4.71	4.54	--	0.42% on 05/30/2019	11/06/2003
FID FREEDOM 2010 K	04/30/2020	4.48	-4.17	-4.17	03/31/2020	-1.21	3.13	3.39	5.33	6.03	--	0.46% on 05/30/2019	10/17/1996
FID FREEDOM 2015 K	04/30/2020	5.38	-5.30	-5.60	03/31/2020	-2.67	2.98	3.47	5.51	5.24	--	0.49% on 05/30/2019	11/06/2003
FID FREEDOM 2020 K	04/30/2020	6.13	-6.46	-6.98	03/31/2020	-4.04	2.76	3.46	5.73	6.19	--	0.53% on 05/30/2019	10/17/1996
FID FREEDOM 2025 K	04/30/2020	6.82	-7.26	-7.97	03/31/2020	-5.11	2.58	3.43	6.12	5.59	--	0.56% on 05/30/2019	11/06/2003
FID FREEDOM 2030 K	04/30/2020	7.68	-8.46	-9.44	03/31/2020	-6.57	2.60	3.68	6.40	6.23	--	0.60% on 05/30/2019	10/17/1996
FID FREEDOM 2035 K	04/30/2020	8.94	-10.45	-11.88	03/31/2020	-9.19	1.93	3.46	6.49	5.72	--	0.63% on 05/30/2019	11/06/2003
FID FREEDOM 2040 K	04/30/2020	9.65	-11.37	-13.04	03/31/2020	-10.76	1.39	3.13	6.36	3.27	--	0.65% on 05/30/2019	09/06/2000
FID FREEDOM 2045 K	04/30/2020	9.65	-11.37	-13.06	03/31/2020	-10.74	1.38	3.12	6.40	4.57	--	0.65% on 05/30/2019	06/01/2006
FID FREEDOM 2050 K	04/30/2020	9.58	-11.37	-13.06	03/31/2020	-10.66	1.41	3.13	6.40	4.43	--	0.65% on 05/30/2019	06/01/2006
FID FREEDOM 2055 K	04/30/2020	9.59	-11.37	-13.11	03/31/2020	-10.70	1.39	3.12	--	5.59	--	0.65% on 05/30/2019	06/01/2011
FID FREEDOM 2060 K	04/30/2020	9.53	-11.48	-13.11	03/31/2020	-10.66	1.39	3.10	--	3.84	--	0.65% on 05/30/2019	08/05/2014
FID FREEDOM 2065 K	04/30/2020	9.62	-11.47	-13.12	03/31/2020	--	--	--	--	-13.55	--	0.65% on 05/30/2019	06/28/2019
FID FREEDOM INC K	04/30/2020	3.08	-2.21	-1.80	03/31/2020	1.12	3.01	2.93	3.84	4.58	--	0.42% on 05/30/2019	10/17/1996
Bond Investments													
Stable Value													
TRP STABLE VALUE A	04/30/2020	0.17	0.50	0.70	03/31/2020	2.19	2.08	1.98	2.31	4.69	--	0.30% on 04/30/2019	09/12/1988
Income													
PIM TOTAL RT INST	04/30/2020	1.83	1.55	4.07	03/31/2020	7.64	4.51	3.24	4.11	7.13	--	0.71% on 04/29/2020	05/11/1987
SS US BOND INDX XIV	04/30/2020	1.79	3.07	5.05	03/31/2020	9.00	4.86	3.37	3.88	4.26	--	0.02% on 12/31/2019	02/02/2004
Other Investments													
Others													
BROKERAGELINK	--	--	--	--	--	--	--	--	--	--	--	--	--

Expense Ratio is the total annual fund operating expense ratio from the fund's most recent prospectus. For non-Fidelity fund of funds listed, the ratio shown may solely reflect the total operating expense ratio of the fund, or may be a combined ratio reflecting both the total operating expense ratio of the fund and the total operating expense ratios of the underlying funds in which it was invested. Please consult the fund's prospectus for more detail on a particular fund's expense ratio.

Total returns are historical and include change in share value and reinvestment of dividends and capital gains, if any. Cumulative total returns are reported as of the period indicated. Life of Fund figures are reported as of the inception date to the period indicated.

The management company may be temporarily reimbursing a portion of the fund's expenses. Absent such reimbursement, returns and yields would have been lower. A fund's expense limitation may be terminated at any time.

For any Government or U.S. Treasury Money Market funds listed: *You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to money market funds and you should not expect that the sponsor will provide financial support to the fund at any time.* Fidelity's government and U.S. Treasury money market funds will not impose a fee upon the sale of your shares, nor temporarily suspend your ability to sell shares if the fund's weekly liquid assets fall below 30% of its total assets because of market conditions or other factors.

For any Retail (Non Government or U.S. Treasury) Money Market Funds listed: *You could lose money by investing in a money market fund. Although the fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to money market funds and you should not expect that the sponsor will provide financial support to the fund at any time.*

For any Institutional Money Market Funds listed: *You could lose money by investing in a money market fund. Because the share price of the fund will fluctuate, when you sell your shares they may be worth more or less than what you originally paid for them. The Fund may impose a fee upon the sale of your shares or may temporarily suspend your ability to sell shares if the Fund's liquidity falls below required minimums because of market conditions or other factors. An investment in the fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The fund's sponsor has no legal obligation to provide financial support to money market funds and you should not expect that the sponsor will provide financial support to the fund at any time.*

A money market fund's current yield reflects the current earnings of the fund, while the total return refers to a specific past holding period.

Performance of an index is not illustrative of any particular investment and an investment cannot be made directly in an index.

Generally, among asset classes stocks are more volatile than bonds or short-term instruments and can decline significantly in response to adverse issuer, political, regulatory, market, or economic developments. Although the bond market is also volatile, lower-quality debt securities including leveraged loans generally offer higher yields compared to investment grade securities, but also involve greater risk of default or price changes. Foreign markets can be more volatile than U.S. markets due to increased risks of adverse issuer, political, market or economic developments, all of which are magnified in emerging markets.

Before investing, consider the funds' investment objectives, risks, charges, and expenses. Contact Fidelity for a prospectus or, if available, a summary prospectus containing this information. Read it carefully.

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STATE OF RHODE ISLAND

Balance by Fund

Data As Of: 04/30/20

DC Plan Number	DC Plan Short Name	Fund Code	Fund Name	Fund Ticker Symbol	Fund Type	Fund Distinct Count By Participant	Market Value	Asset Percentage
35835	STATE OF RI	338	FID LARGE CAP STOCK	FLCSX	DOMESTIC EQUITY	374	\$7,635,350.26	4.94%
35835	STATE OF RI	2080	FID CONTRAFUND K	FCNKX	DOMESTIC EQUITY	676	\$36,895,875.34	23.86%
35835	STATE OF RI	2095	FID LOW PRICED STK K	FLPKX	DOMESTIC EQUITY	441	\$8,344,617.56	5.40%
35835	STATE OF RI	3019	FID FREEDOM INC K	FNSHX	LIFECYCLE	45	\$1,679,629.46	1.09%
35835	STATE OF RI	3020	FID FREEDOM 2005 K	FSNJX	LIFECYCLE	10	\$362,302.53	0.23%
35835	STATE OF RI	3021	FID FREEDOM 2010 K	FSNKX	LIFECYCLE	69	\$3,638,811.05	2.35%
35835	STATE OF RI	3022	FID FREEDOM 2015 K	FSNLX	LIFECYCLE	47	\$1,866,047.85	1.21%
35835	STATE OF RI	3023	FID FREEDOM 2020 K	FSNOX	LIFECYCLE	218	\$13,726,393.61	8.88%
35835	STATE OF RI	3024	FID FREEDOM 2025 K	FSNPX	LIFECYCLE	115	\$4,672,867.86	3.02%
35835	STATE OF RI	3025	FID FREEDOM 2030 K	FSNQX	LIFECYCLE	257	\$12,541,392.90	8.11%
35835	STATE OF RI	3026	FID FREEDOM 2035 K	FSNUX	LIFECYCLE	88	\$3,139,734.01	2.03%
35835	STATE OF RI	3027	FID FREEDOM 2040 K	FSNVX	LIFECYCLE	67	\$1,569,863.79	1.02%
35835	STATE OF RI	3028	FID FREEDOM 2045 K	FSNZX	LIFECYCLE	67	\$1,292,024.76	0.84%
35835	STATE OF RI	3029	FID FREEDOM 2050 K	FNSBX	LIFECYCLE	62	\$322,592.55	0.21%
35835	STATE OF RI	3030	FID FREEDOM 2055 K	FNSDX	LIFECYCLE	52	\$748,281.17	0.48%
35835	STATE OF RI	3031	FID FREEDOM 2060 K	FNSFX	LIFECYCLE	26	\$97,305.82	0.06%
35835	STATE OF RI	BLNK	BROKERAGELINK		OTHER	114	\$11,858,271.05	7.67%
35835	STATE OF RI	OE9Q	VAN FTSE SOC IDX ADM	VFTAX	DOMESTIC EQUITY	165	\$1,235,588.93	0.80%
35835	STATE OF RI	OF1P	PIM TOTAL RT INST	PTTRX	BOND	271	\$7,659,481.99	4.95%
35835	STATE OF RI	OGMU	TRP STABLE VALUE A		STABLE VALUE	379	\$9,081,782.70	5.87%
35835	STATE OF RI	OK26	INVESCO DIVRS DIV R6	LCEFX	DOMESTIC EQUITY	116	\$1,962,587.64	1.27%
35835	STATE OF RI	OMF4	SS GACEQ EXUS IDX II		INTERNATIONAL EQUITY	209	\$1,803,095.38	1.17%
35835	STATE OF RI	OMF5	SS RSL SMMDCP IDX II		DOMESTIC EQUITY	308	\$3,239,421.89	2.09%
35835	STATE OF RI	OMF6	SS S&P 500 INDEX II		DOMESTIC EQUITY	455	\$11,864,212.41	7.67%
35835	STATE OF RI	OMF7	SS US BOND INDX XIV		BOND	227	\$3,410,787.57	2.21%
35835	STATE OF RI	OUBE	AF EUROPAC GROWTH R6	RERGX	INTERNATIONAL EQUITY	351	\$3,997,001.46	2.58%

\$154,645,321.53

PERFORMANCE UPDATE

Voya Retirement Insurance and Annuity Company

State of RI 457 Plan

Average Annual Total Returns as of: 04/30/2020 (shown in percentages)

Variable annuities and mutual funds offered through a retirement plan are intended as long-term investments designed for retirement purposes. Money distributed from a 403(b) plan, 401(a)(k) plan, or a 457 plan will be taxed as ordinary income in the year the money is distributed. Early withdrawals from a 403(b) plan and a 401(a)(k) plan, if taken prior to age 59 1/2, will be subject to the IRS 10% premature distribution penalty tax, unless an exception applies. This IRS premature distribution penalty tax does not apply to 457 plans. Account values fluctuate with market conditions, and when surrendered the principal may be worth more or less than the original amount invested.

The performance data quoted represents past performance. Past performance does not guarantee future results. For month-end performance which may be lower or higher than the performance data shown please call 800-232-5422. Investment return and principal value of an investment will fluctuate so that, when sold, an investment may be worth more or less than the original cost.

The below investment options are in Separate Account D. Please note that the figures do not include an adjustment for the Voya Administrative Fund Fee (where applicable) and the deduction of the Daily Asset Charge from the Separate Account (if applicable), or other applicable contract charges. If these fees and charges were included, performance would be less favorable.

You should consider the investment objectives, risks and charges, and expenses of the funds carefully before investing. The prospectus contains this and other information. Anyone who wishes to obtain a free copy of the fund prospectuses may call their Voya representative or the number above. Please read the prospectus carefully before investing.

Returns less than one year are not annualized. Fund Inception Date is the date of inception for the underlying fund, and is the date used in calculating the periodic returns. This date may also precede the portfolio's inclusion in the product.

Investment Options	Fund Benchmark ID (BM)	1-Mo Fund	1-Mo BM	3-Mo Fund	3-Mo BM	YTD Fund	YTD BM	1-Yr Fund	1-Yr BM	3-Yr Fund	3-Yr BM	5-Yr Fund	5-Yr BM	10-Yr Fund	10-Yr BM	Incept	Fund Inception Date	Gross Fund Exp %*	Net Fund Exp %*
Stability of Principal																			
<i>Stability of Principal</i>																			
Voya Fixed Account - 457/401 II A - 4573 (18)(19)	MFR	0.11	0.03	0.36	0.18	0.49	0.29	1.62	1.45	1.71	1.30	1.84	1.50	2.17	0.76				
Bonds																			
<i>High Yield Bond</i>																			
PGIM High Yield Fund - Class Z - 2482	BCUSH1IC	4.38	4.48	-10.27	-9.29	-10.43	-9.24	-4.69	-4.70	2.08	1.63	3.70	3.30	5.90	5.75		03/01/1996	0.54	0.54
<i>Inflation-Protected Bond</i>																			
PIMCO Real Return Fund - Institutional Class - 2695	LBUSTIPS	3.19	2.78	1.73	2.37	3.98	4.52	8.61	9.46	3.91	4.21	2.86	3.08	3.39	3.52		01/29/1997	0.98	0.98
<i>Intermediate Core-Plus Bond</i>																			



See Performance Introduction Page for Important Information

Investment Options	Fund Benchmark ID (BM)	1-Mo		3-Mo		YTD		1-Yr		3-Yr		5-Yr		10-Yr		Fund Inception Date	Gross Fund Exp %*	Net Fund Exp %*	
		Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM				Incept
Intermediate-Term Bond																			
Voya Intermediate Bond Fund - Class I - 238 (1)(2)	LEHM	2.87	1.78	-0.92	3.00	1.21	4.98	7.45	10.84	4.40	5.17	3.69	3.80	4.85	3.96	12/15/1998	0.36	0.36	
Asset Allocation																			
Lifecycle																			
Voya Solution 2020 Portfolio - Initial Class - 6750 (3)(4)	SPT2020	5.74	6.24	-4.21	-5.10	-3.32	-4.97	2.28	1.26	4.76	4.55	4.64	4.45		7.85	10/03/2011	0.87	0.72	
Voya Solution 2025 Portfolio - Initial Class - 790 (4)(5)	SPT2025	8.18	7.14	-7.74	-6.58	-7.34	-6.71	-0.85	-0.18	4.19	4.52	4.23	4.57	6.52	6.80	04/29/2005	0.85	0.78	
Voya Solution 2030 Portfolio - Initial Class - 6753 (4)(6)	SPT2030	8.95	8.09	-8.83	-8.12	-8.94	-8.54	-2.21	-1.73	4.13	4.41	4.41	4.63		8.92	10/03/2011	0.94	0.79	
Voya Solution 2035 Portfolio - Initial Class - 761 (4)(7)	SP2035	9.67	8.97	-10.57	-9.64	-11.02	-10.31	-4.26	-3.25	3.68	4.25	4.04	4.66	6.90	7.32	04/29/2005	0.90	0.83	
Voya Solution 2040 Portfolio - Initial Class - 6756 (4)(8)	SPT2040	10.32	9.57	-11.00	-10.66	-11.75	-11.51	-4.83	-4.26	3.62	4.15	4.22	4.69		9.60	10/03/2011	1.01	0.83	
Voya Solution 2045 Portfolio - Initial Class - 764 (4)(9)	SP2045	10.85	9.91	-11.95	-11.30	-12.91	-12.24	-5.96	-4.87	3.12	4.04	3.72	4.69	7.10	7.60	04/29/2005	0.92	0.86	
Voya Solution 2050 Portfolio - Initial Class - 6759 (4)(10)	SPT2050	10.97	10.07	-12.04	-11.56	-13.07	-12.56	-6.05	-5.19	3.17	4.03	3.96	4.74		9.54	10/03/2011	1.03	0.86	
Voya Solution 2055 Portfolio - Initial Class - 1166 (4)(11)	SPT2055	11.15	10.15	-12.43	-11.78	-13.48	-12.80	-6.38	-5.38	3.02	3.99	3.69	4.76	7.12	7.84	03/08/2010	0.93	0.86	
Voya Solution 2060 Portfolio - Initial Class - 3290 (4)(12)	SPT2060	11.13	10.24	-12.56	-11.73	-13.63	-12.75	-6.51	-5.26	2.97	4.13	3.78	4.87		4.36	02/09/2015	1.13	0.87	
Voya Solution Income Portfolio - Initial Class - 767 (4)(13)	SPTREIN	5.52	4.82	-4.19	-2.73	-3.15	-2.19	2.56	3.76	4.09	4.40	3.72	3.80	5.03	4.89	04/29/2005	0.80	0.68	
Balanced																			
Allocation--50% to 70% Equity																			
VY® T. Rowe Price Capital Appreciation Portfolio - Inst - 1257	SPXLBGC	9.65	8.58	-5.33	-4.05	-3.43	-3.16	5.06	5.92	9.40	7.87	9.21	7.27	10.72	8.88	01/24/1989	0.64	0.64	
Large Cap Value																			
Large Blend																			
Vanguard® FTSE Social Index Fund - Admiral™ Shares - D591	FTSE4GUSS	13.45	13.45	-9.39	-9.17	-9.18	-8.95	2.48	2.88	10.45	9.33	9.82	9.94	12.29	13.40	05/31/2000	0.14	0.14	
Voya Growth and Income Portfolio - Class I - 001 (14)	SPXRE	12.68	12.82	-11.78	-9.26	-11.29	-9.29	-1.74	0.86	6.80	9.04	6.70	9.12	9.79	11.69	12/31/1979	0.63	0.58	
Voya U.S. Stock Index Portfolio - Institutional Class - 829	SPXRE	12.82	12.82	-9.31	-9.26	-9.36	-9.29	0.61	0.86	8.76	9.04	8.82	9.12	11.40	11.69	05/03/2004	0.27	0.27	
Large Value																			
BlackRock Equity Dividend Fund - Institutional Shares - 8518 (15)	RS1000V	10.15	11.24	-14.44	-16.70	-16.65	-18.49	-7.48	-11.01	3.51	1.42	6.02	3.91	8.95	8.54	11/29/1988	0.71	0.71	
Large Cap Growth																			
Large Growth																			
Voya Large Cap Growth Portfolio - Institutional Class - 742 (16)	RS1000G	14.36	14.80	-4.14	-3.54	-2.02	-1.39	8.79	10.84	13.96	15.69	12.13	13.34	13.73	14.41	05/03/2004	0.71	0.67	
Small/Mid/Specialty																			
Mid-Cap Growth																			
Principal MidCap Fund - Class R-6 - C906	RSMID	13.23	14.36	-16.53	-15.92	-13.77	-16.60	-2.24	-10.00	9.48	3.46	8.82	4.81	13.09	9.83	12/06/2000	0.60	0.60	
Small Blend																			

See Performance Introduction Page for Important Information

Investment Options	Fund Benchmark ID (BM)	1-Mo		3-Mo		YTD		1-Yr		3-Yr		5-Yr		10-Yr		Fund Inception Date	Gross Fund Exp %*	Net Fund Exp %*	
		Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM				Incept
State Street Russell Small Mid Cap Index SL Fund - Class II - QF52		15.62		-16.13		-16.67		-11.33		2.69		4.43		9.24		04/09/2009	0.02	0.02	
Voya Small Company Portfolio - Class I - 042 (17)	RS2000	13.66	13.74	-20.64	-18.47	-22.83	-21.08	-18.44	-16.39	-4.30	-0.82	1.86	2.88	7.30	7.69	12/27/1996	0.90	0.90	
Global / International																			
Foreign Large Blend																			
State Street Global All Cap Eq Ex-U.S. Ind SL Srs F - II CIT - D937		8.53		-15.22		-18.16										-6.96	05/31/2019	0.06	0.05
Foreign Large Growth																			
American Funds EuroPacific Growth Fund® - Class R-4 - 573	MSCIXUS	9.01	7.58	-12.86	-15.27	-15.54	-17.55	-7.92	-11.51	1.79	-0.25	1.75	-0.17	4.66	2.89	04/16/1984	0.84	0.84	

The risks of investing in small company stocks may include relatively low trading volumes, a greater degree of change in earnings and greater short-term volatility.

Foreign investing involves special risks such as currency fluctuation and public disclosure, as well as economic and political risks.

Some of the Funds invest in securities guaranteed by the U.S. Government as to the timely payment of principal and interest; however, shares of the Funds are not insured nor guaranteed.

High yielding fixed-income securities generally are subject to greater market fluctuations and risks of loss of income and principal than are investments in lower yielding fixed-income securities.

Sector funds may involve greater-than average risk and are often more volatile than funds holding a diversified portfolio of stocks in many industries. Examples include: banking, biotechnology, chemicals, energy, environmental services, natural resources, precious metals, technology, telecommunications, and utilities.

*The Gross Expense Ratios shown do not reflect any temporary fee or expense waivers that may be in effect for a fund. The performance of a fund with a temporary fee or expense waiver would have been lower if the gross fund fees / expenses listed had been reflected.

PERFORMANCE UPDATE

Voya Retirement Insurance and Annuity Company

State of RI 457 Plan

Average Annual Total Returns as of: 03/31/2020 (shown in percentages)

Variable annuities and mutual funds offered through a retirement plan are intended as long-term investments designed for retirement purposes. Money distributed from a 403(b) plan, 401(a)/(k) plan, or a 457 plan will be taxed as ordinary income in the year the money is distributed. Early withdrawals from a 403(b) plan and a 401(a)/(k) plan, if taken prior to age 59 1/2, will be subject to the IRS 10% premature distribution penalty tax, unless an exception applies. This IRS premature distribution penalty tax does not apply to 457 plans. Account values fluctuate with market conditions, and when surrendered the principal may be worth more or less than the original amount invested.

The performance data quoted represents past performance. Past performance does not guarantee future results. For month-end performance which may be lower or higher than the performance data shown please call 800-232-5422. Investment return and principal value of an investment will fluctuate so that, when sold, an investment may be worth more or less than the original cost.

The below investment options are in Separate Account D. Please note that the figures do not include an adjustment for the Voya Administrative Fund Fee (where applicable) and the deduction of the Daily Asset Charge from the Separate Account (if applicable), or other applicable contract charges. If these fees and charges were included, performance would be less favorable.

Returns less than one year are not annualized. Fund Inception Date is the date of inception for the underlying fund, and is the date used in calculating the periodic returns. This date may also precede the portfolio's inclusion in the product.

Investment Options	Fund Benchmark ID (BM)	1-Mo Fund	1-Mo BM	3-Mo Fund	3-Mo BM	YTD Fund	YTD BM	1-Yr Fund	1-Yr BM	3-Yr Fund	3-Yr BM	5-Yr Fund	5-Yr BM	10-Yr Fund	10-Yr BM	Incept	Fund Inception Date	Gross Fund Exp %*	Net Fund Exp %*
Stability of Principal																			
<i>Stability of Principal</i>																			
Voya Fixed Account - 457/401 II A - 4573 (18)(19)	MFR	0.13	0.05	0.38	0.26	0.38	0.26	1.65	1.59	1.72	1.31	1.85	1.50	2.18	0.76				
Bonds																			
<i>High Yield Bond</i>																			
PGIM High Yield Fund - Class Z - 2482	BCUSH1IC	-12.71	-11.83	-14.20	-13.13	-14.20	-13.13	-7.21	-7.46	0.98	0.54	3.03	2.65	5.66	5.54		03/01/1996	0.54	0.54
<i>Inflation-Protected Bond</i>																			
PIMCO Real Return Fund - Institutional Class - 2695	LBUSTIPS	-2.25	-1.76	0.77	1.69	0.77	1.69	5.63	6.85	3.03	3.46	2.31	2.67	3.35	3.48		01/29/1997	0.98	0.98
<i>Intermediate Core-Plus Bond</i>																			
Voya Intermediate Bond Fund - Class I - 238 (1)(2)	LEHM	-4.95	-0.59	-1.62	3.15	-1.62	3.15	4.54	8.93	3.75	4.82	3.05	3.36	4.73	3.88		12/15/1998	0.36	0.36
<i>Intermediate-Term Bond</i>																			

See Performance Introduction Page for Important Information

Investment Options	Fund Benchmark ID (BM)	1-Mo		3-Mo		YTD		1-Yr		3-Yr		5-Yr		10-Yr		Fund Inception Date	Gross Fund Exp %*	Net Fund Exp %*	
		Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM				
State Street U.S. Bond Index SL Series Fund - Class XIV CIT - C925	LEHM	-0.54	-0.59	3.20	3.15	3.20	3.15	9.00	8.93	4.86	4.82	3.37	3.36	3.88	3.88	01/02/2004	0.02	0.01	
Asset Allocation																			
<i>Lifecycle</i>																			
Voya Solution 2020 Portfolio - Initial Class - 6750 (3)(4)	SPT2020	-7.43	-7.47	-8.57	-10.55	-8.57	-10.55	-1.71	-2.99	3.22	2.82	3.56	3.34			7.22	10/03/2011	0.87	0.72
Voya Solution 2025 Portfolio - Initial Class - 790 (4)(5)	SPT2025	-10.84	-8.83	-14.35	-12.93	-14.35	-12.93	-6.46	-4.89	1.94	2.52	2.72	3.32	5.84	6.20		04/29/2005	0.85	0.78
Voya Solution 2030 Portfolio - Initial Class - 6753 (4)(6)	SPT2030	-11.66	-10.22	-16.42	-15.38	-16.42	-15.38	-8.05	-6.88	1.67	2.13	2.80	3.22			7.91	10/03/2011	0.94	0.79
Voya Solution 2035 Portfolio - Initial Class - 761 (4)(7)	SP2035	-13.29	-11.56	-18.86	-17.69	-18.86	-17.69	-10.24	-8.81	1.05	1.71	2.34	3.10	6.09	6.54		04/29/2005	0.90	0.83
Voya Solution 2040 Portfolio - Initial Class - 6756 (4)(8)	SPT2040	-13.77	-12.46	-20.00	-19.24	-20.00	-19.24	-11.08	-10.10	0.83	1.44	2.41	3.02			8.44	10/03/2011	1.01	0.83
Voya Solution 2045 Portfolio - Initial Class - 764 (4)(9)	SP2045	-14.74	-13.00	-21.43	-20.15	-21.43	-20.15	-12.39	-10.86	0.18	1.23	1.83	2.98	6.17	6.73		04/29/2005	0.92	0.86
Voya Solution 2050 Portfolio - Initial Class - 6759 (4)(10)	SPT2050	-14.73	-13.22	-21.66	-20.56	-21.66	-20.56	-12.47	-11.23	0.19	1.18	2.04	3.01			8.30	10/03/2011	1.03	0.86
Voya Solution 2055 Portfolio - Initial Class - 1166 (4)(11)	SPT2055	-15.15	-13.40	-22.16	-20.84	-22.16	-20.84	-12.96	-11.47	0.00	1.12	1.75	3.02	6.16	6.94		03/08/2010	0.93	0.86
Voya Solution 2060 Portfolio - Initial Class - 3290 (4)(12)	SPT2060	-15.15	-13.38	-22.29	-20.86	-22.29	-20.86	-13.10	-11.40	-0.06	1.24	1.85	3.11			2.31	02/09/2015	1.13	0.87
Voya Solution Income Portfolio - Initial Class - 767 (4)(13)	SPTREIN	-7.37	-5.27	-8.22	-6.69	-8.22	-6.69	-1.73	0.17	2.56	3.06	2.65	2.89	4.59	4.52		04/29/2005	0.80	0.68
Balanced																			
<i>Allocation--50% to 70% Equity</i>																			
VY® T. Rowe Price Capital Appreciation Portfolio - Inst - 1257	SPXLBGC	-9.25	-7.85	-11.93	-10.81	-11.93	-10.81	-1.88	-0.06	6.60	5.28	7.15	5.60	9.89	8.14		01/24/1989	0.64	0.64
Large Cap Value																			
<i>Large Blend</i>																			
Vanguard® FTSE Social Index Fund - Admiral™ Shares - D591	FTSE4GUSS	-13.25	-13.26	-19.95	-19.75	-19.95	-19.75	-5.77	-5.37	6.29	5.22	7.15	7.27	11.04	12.13		05/31/2000	0.14	0.14
Voya Growth and Income Portfolio - Class I - 001 (14)	SPXRE	-14.57	-12.35	-21.27	-19.60	-21.27	-19.60	-9.02	-6.98	2.93	5.10	4.36	6.73	8.65	10.53		12/31/1979	0.63	0.58
Voya U.S. Stock Index Portfolio - Institutional Class - 829	SPXRE	-12.39	-12.35	-19.66	-19.60	-19.66	-19.60	-7.21	-6.98	4.83	5.10	6.43	6.73	10.23	10.53		05/03/2004	0.27	0.27
<i>Large Value</i>																			
BlackRock Equity Dividend Fund - Institutional Shares - 8518 (15)	RS1000V	-14.59	-17.09	-24.33	-26.73	-24.33	-26.73	-12.49	-17.17	0.46	-2.18	4.17	1.90	7.98	7.67		11/29/1988	0.71	0.71
Large Cap Growth																			
<i>Large Growth</i>																			
Voya Large Cap Growth Portfolio - Institutional Class - 742 (16)	RS1000G	-10.25	-9.84	-14.32	-14.10	-14.32	-14.10	-1.00	0.91	9.97	11.32	9.06	10.36	12.37	12.97		05/03/2004	0.71	0.67
Small/Mid/Specialty																			
<i>Mid-Cap Growth</i>																			
Principal MidCap Fund - Class R-6 - C906	RSMID	-20.77	-19.49	-23.85	-27.07	-23.85	-27.07	-8.71	-18.31	5.87	-0.81	5.98	1.85	12.19	8.77		12/06/2000	0.60	0.60
<i>Small Blend</i>																			
State Street Russell Small Mid Cap Index SL Fund - Class II - QF52		-21.21		-27.92		-27.92		-20.37		-1.76		1.13		8.15			04/09/2009	0.02	0.02

See Performance Introduction Page for Important Information

Investment Options	Fund Benchmark ID (BM)	1-Mo		3-Mo		YTD		1-Yr		3-Yr		5-Yr		10-Yr		Fund Inception Date	Gross Fund Exp %*	Net Fund Exp %*
		Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM	Fund	BM			
Voya Small Company Portfolio - Class I - 042 (17)	RS2000	-21.72	-21.73	-32.10	-30.61	-32.10	-30.61	-25.14	-23.99	-8.04	-4.64	-1.00	-0.25	6.39	6.90	12/27/1996	0.90	0.90

Global / International

Foreign Large Blend

State Street Global All Cap Eq Ex-U.S. Ind SL Srs F - II CIT - D937		-16.06		-24.59		-24.59										-14.27	05/31/2019	0.06	0.05
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Foreign Large Growth

American Funds EuroPacific Growth Fund® - Class R-4 - 573	MSCIXUS	-14.78	-14.48	-22.52	-23.36	-22.52	-23.36	-13.03	-15.57	-0.07	-1.96	0.56	-0.65	3.60	2.05	04/16/1984	0.84	0.84
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The risks of investing in small company stocks may include relatively low trading volumes, a greater degree of change in earnings and greater short-term volatility.

Foreign investing involves special risks such as currency fluctuation and public disclosure, as well as economic and political risks.

Some of the Funds invest in securities guaranteed by the U.S. Government as to the timely payment of principal and interest; however, shares of the Funds are not insured nor guaranteed.

High yielding fixed-income securities generally are subject to greater market fluctuations and risks of loss of income and principal than are investments in lower yielding fixed-income securities.

Sector funds may involve greater-than average risk and are often more volatile than funds holding a diversified portfolio of stocks in many industries. Examples include: banking, biotechnology, chemicals, energy, environmental services, natural resources, precious metals, technology, telecommunications, and utilities.

*The Gross Expense Ratios shown do not reflect any temporary fee or expense waivers that may be in effect for a fund. The performance of a fund with a temporary fee or expense waiver would have been lower if the gross fund fees / expenses listed had been reflected.

PERFORMANCE UPDATE

Voya Retirement Insurance and Annuity Company

State of RI 457 Plan

Separate Account D

Average Annual Total Returns as of: 03/31/2020 (shown in percentages)

Variable annuities and funding agreements are long-term investment vehicles designed for retirement purposes which allow you to allocate contributions among variable investment options that have the potential to grow tax-deferred with an option to receive a stream of income at a later date.

The performance data quoted represents past performance. Past performance does not guarantee future results. For month-end performance which may be lower or higher than the performance data shown please call 800-232-5422. Investment return and principal value of an investment will fluctuate so that, when sold, an investment may be worth more or less than the original cost.

These numbers reflect total Separate Account charges, ranging from 0.09% to 0.44% on an annual basis. They also assume reinvestment of all dividends (ordinary income and capital gains) and are net of management fees and other fund operating expenses. See "Additional Notes" section for charges by investment option.

Depending upon the type of contract in which you participate, you have either received disclosure booklets for the separate account and/or fund prospectuses. You should consider the investment objectives, risks and charges, and expenses of the variable product and its underlying fund options carefully before investing. The disclosure booklet contains this and other information. Anyone who wishes to obtain a free copy of the separate account disclosure booklet and/or fund prospectuses may call their Voya representative or the number above. Please read the separate account disclosure booklet and/or the fund prospectuses carefully before investing.

Returns less than one year are not annualized. Fund Inception Date is the date of inception for the underlying fund, and is the date used in calculating the periodic returns. This date may also precede the portfolio's inclusion in the product.

Investment Options	1-Mo	3-Mo	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Incept	Fund Inception Date
Stability of Principal									
<i>Stability of Principal</i>									
Voya Fixed Account - 457/401 II A - 4573 (18)(19) <i>This fund is not part of the product's separate account.</i>	0.13	0.38	0.38	1.65	1.72	1.85	2.18		
Bonds									
<i>High Yield Bond</i>									
PGIM High Yield Fund - Class Z - 2482	-12.71	-14.21	-14.21	-7.36	0.80	2.84	5.46		03/01/1996
<i>Inflation-Protected Bond</i>									
PIMCO Real Return Fund - Institutional Class - 2695	-2.29	0.66	0.66	5.16	2.58	1.86	2.89		01/29/1997
<i>Intermediate Core-Plus Bond</i>									

See Performance Introduction Page for Important Information

Investment Options	1-Mo	3-Mo	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Incept	Fund Inception Date
Voya Intermediate Bond Fund - Class I - 238 (1)(2)	-4.97	-1.69	-1.69	4.25	3.47	2.77	4.45		12/15/1998
Intermediate-Term Bond									
State Street U.S. Bond Index SL Series Fund - Class XIV CIT - C925	-0.58	3.09	3.09	8.52	4.40	2.92	3.43		01/02/2004
Asset Allocation									
Lifecycle									
Voya Solution 2020 Portfolio - Initial Class - 6750 (3)(4)	-7.44	-8.60	-8.60	-1.83	3.10	3.43		7.10	10/03/2011
Voya Solution 2025 Portfolio - Initial Class - 790 (4)(5)	-10.85	-14.37	-14.37	-6.57	1.81	2.60	5.72		04/29/2005
Voya Solution 2030 Portfolio - Initial Class - 6753 (4)(6)	-11.67	-16.45	-16.45	-8.16	1.55	2.68		7.78	10/03/2011
Voya Solution 2035 Portfolio - Initial Class - 761 (4)(7)	-13.30	-18.89	-18.89	-10.34	0.93	2.22	5.97		04/29/2005
Voya Solution 2040 Portfolio - Initial Class - 6756 (4)(8)	-13.78	-20.02	-20.02	-11.19	0.71	2.28		8.31	10/03/2011
Voya Solution 2045 Portfolio - Initial Class - 764 (4)(9)	-14.75	-21.46	-21.46	-12.50	0.06	1.71	6.04		04/29/2005
Voya Solution 2050 Portfolio - Initial Class - 6759 (4)(10)	-14.74	-21.68	-21.68	-12.57	0.07	1.92		8.18	10/03/2011
Voya Solution 2055 Portfolio - Initial Class - 1166 (4)(11)	-15.16	-22.18	-22.18	-13.07	-0.12	1.63	6.03		03/08/2010
Voya Solution 2060 Portfolio - Initial Class - 3290 (4)(12)	-15.16	-22.31	-22.31	-13.21	-0.18	1.73		2.18	02/09/2015
Voya Solution Income Portfolio - Initial Class - 767 (4)(13)	-7.38	-8.24	-8.24	-1.85	2.44	2.52	4.46		04/29/2005
Balanced									
Allocation--50% to 70% Equity									
VY® T. Rowe Price Capital Appreciation Portfolio - Inst - 1257	-9.26	-11.97	-11.97	-2.04	6.43	6.98	9.72		01/24/1989
Large Cap Value									
Large Blend									
Vanguard® FTSE Social Index Fund - Admiral™ Shares - D591	-13.28	-20.04	-20.04	-6.18	5.83	6.68	10.56		05/31/2000
Voya Growth and Income Portfolio - Class I - 001 (14)	-14.59	-21.30	-21.30	-9.15	2.78	4.21	8.50		12/31/1979
Voya U.S. Stock Index Portfolio - Institutional Class - 829	-12.40	-19.69	-19.69	-7.35	4.66	6.26	10.06		05/03/2004
Large Value									
BlackRock Equity Dividend Fund - Institutional Shares - 8518 (15)	-14.61	-24.37	-24.37	-12.66	0.27	3.97	7.77		11/29/1988
Large Cap Growth									
Large Growth									
Voya Large Cap Growth Portfolio - Institutional Class - 742 (16)	-10.26	-14.35	-14.35	-1.14	9.81	8.91	12.22		05/03/2004
Small/Mid/Specialty									
Mid-Cap Growth									
Principal MidCap Fund - Class R-6 - C906	-20.80	-23.93	-23.93	-9.11	5.41	5.51	11.70		12/06/2000
Small Blend									
State Street Russell Small Mid Cap Index SL Fund - Class II - QF52	-21.24	-28.00	-28.00	-20.72	-2.19	0.68	7.68		04/09/2009
Voya Small Company Portfolio - Class I - 042 (17)	-21.73	-32.12	-32.12	-25.24	-8.17	-1.13	6.24		12/27/1996
Global / International									
Foreign Large Blend									

See Performance Introduction Page for Important Information

Investment Options	1-Mo	3-Mo	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Incept	Fund Inception Date
State Street Global All Cap Eq Ex-U.S. Ind SL Srs F - II CIT - D937	-16.09	-24.68	-24.68					-14.58	05/31/2019
Foreign Large Growth									
American Funds EuroPacific Growth Fund® - Class R-4 - 573	-14.79	-22.53	-22.53	-13.11	-0.16	0.46	3.51		04/16/1984

The risks of investing in small company stocks may include relatively low trading volumes, a greater degree of change in earnings and greater short-term volatility.

Foreign investing involves special risks such as currency fluctuation and public disclosure, as well as economic and political risks.

Some of the Funds invest in securities guaranteed by the U.S. Government as to the timely payment of principal and interest; however, shares of the Funds are not insured nor guaranteed.

High yielding fixed-income securities generally are subject to greater market fluctuations and risks of loss of income and principal than are investments in lower yielding fixed-income securities.

Sector funds may involve greater-than average risk and are often more volatile than funds holding a diversified portfolio of stocks in many industries. Examples include: banking, biotechnology, chemicals, energy, environmental services, natural resources, precious metals, technology, telecommunications, and utilities.

Additional Notes

For a performance report reflecting the charges or more information regarding product expenses, please contact your Voya Representative.

(1)Voya Intermediate Bond Fund - Class I has identical investment objectives and policies, the same portfolio manager, and invests in the same holdings as Class A. The performance information above is based upon the Class A performance, excluding sales charges, and has not been adjusted by the fee differences between classes.

(2)Voya Intermediate Bond Fund - Class I: The adviser is contractually obligated to limit expenses to 0.50% through August 1, 2018. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses, extraordinary expenses, and Acquired Fund Fees and Expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Fund's board.

(3)Voya Solution 2020 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.72% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(4)There is no guarantee that any investment option will achieve its stated objective. Principal value fluctuates and there is no guarantee of value at any time, including the target date. The "target date" is the approximate date when you plan to start withdrawing your money. When your target date is reached, you may have more or less than the original amount invested. For each target date Portfolio, until the day prior to its Target Date, the Portfolio will seek to provide total returns consistent with an asset allocation targeted for an investor who is retiring in approximately each Portfolio's designation Target Year. Prior to choosing a Target Date Portfolio, investors are strongly encouraged to review and understand the Portfolio's objectives and its composition of stocks and bonds, and how the asset allocation will change over time as the target date nears. No two investors are alike and one should not assume that just because they intend to retire in the year corresponding to the Target Date that that specific Portfolio is appropriate and suitable to their risk tolerance. It is recommended that an investor consider carefully the possibility of capital loss in each of the target date Portfolios, the likelihood and magnitude of which will be dependent upon the Portfolio's asset allocation. On the Target Date, the portfolio will seek to provide a combination of total return and stability of principal.

The Voya Solution / Target Date PortfoliosSM are actively managed and the asset allocation adjusted over time. The portfolios may merge with or change to other portfolios over time. Refer to the prospectus for more information about the specific risks of investing in the various asset classes included in the The Voya Solution / Target Date PortfoliosSM.

Stocks are more volatile than bonds, and portfolios with a higher concentration of stocks are more likely to experience greater fluctuations in value than portfolios with a higher concentration in bonds. Foreign stocks and small and midcap stocks may be more volatile than large cap stocks. Investing in bonds also entails credit risk and interest rate risk. Generally investors with longer timeframes can consider assuming more risk in their investment portfolio.

See Performance Introduction Page for Important Information

Additional Notes

(5)Voya Solution 2025 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.78% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(6)Voya Solution 2030 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.79% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(7)Voya Solution 2035 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.83% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(8)Voya Solution 2040 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.83% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(9)Voya Solution 2045 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.86% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(10)Voya Solution 2050 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.86% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(11)Voya Solution 2055 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.86% of Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(12)Voya Solution 2060 Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.87% for Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(13)Voya Solution Income Portfolio - Initial Class: The adviser is contractually obligated to limit expenses to 0.68% for Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses and extraordinary expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

(14)Voya Growth and Income Portfolio - Class I: The adviser is contractually obligated to limit expenses to 0.70% for Class I shares through May 1, 2020. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses, extraordinary expenses and Acquired Fund Fees and Expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. The adviser is contractually obligated to waive 0.045% of the management fee through May 1, 2020. Termination or modification of these obligations requires approval by the Portfolio's board.

(15)BlackRock Equity Dividend Fund - Institutional Shares: As described in the "Management of the Fund" section of the Fund's prospectus beginning on page 39, BlackRock has contractually agreed to waive the management fee with respect to any portion of the Fund's assets estimated to be attributable to investments in other equity and fixed-income mutual funds and exchange-traded funds managed by BlackRock or its affiliates that have a contractual management fee, through November 30, 2018. The contractual agreement may be terminated upon 90 days' notice by a majority of the non-interested trustees of the Fund or by a vote of a majority of the outstanding voting securities of the Fund. The Total Annual Fund Operating Expenses do not correlate to the ratio of expenses to average net assets given in the Fund's most recent annual report which does not include Acquired Fund Fees and Expenses.

See Performance Introduction Page for Important Information

Additional Notes

(16)Voya Large Cap Growth Portfolio - Institutional Class: The adviser is contractually obligated to limit expenses to 0.67% through May 1, 2019. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses, extraordinary expenses, and Acquired Fund Fees and Expenses. Termination or modification of this obligation requires approval by the Portfolio's board.

(17)Voya Small Company Portfolio - Class I: The adviser is contractually obligated to limit expenses to 0.93% through May 1, 2019. The limitation does not extend to interest, taxes, investment-related costs, leverage expenses, extraordinary expenses, and Acquired Fund Fees and Expenses. This limitation is subject to possible recoupment by the adviser within 36 months of the waiver or reimbursement. Termination or modification of this obligation requires approval by the Portfolio's board.

These numbers reflect the fund's investment advisory fees, other fund expenses, and the annual deduction from the Separate Account as stated below:

American Funds EuroPacific Grw R4: 0.09%

Voya Growth and Income Port I, Voya Large Cap Growth Port Inst, Voya Small Company Portfolio I: 0.14%

VY TRowePrice Captl Apprec Pt Inst, Voya U.S. Stock Index Port Inst: 0.16%

BlackRock Equity Dividend Fund Inst, PGIM High Yield Fund Z: 0.19%

Voya Intermediate Bond Fund I: 0.27%

PIMCO Real Return Fund Inst, Principal MidCap Fund R6, St Str GI A Cp Eq Ex US In SL S F II, St Str Russell Sm/Md Cp Ind SL Fd II, St Str US Bond Index SL Fd XIV, Vanguard FTSE Social Index Fund Adm: 0.44%

All Other funds: 0.12%

(18)The current rate for the Voya Fixed Account - 457/401 II A MC 901, Fund 4573 is 1.35%, expressed as an annual effective yield. The current rate may change and be higher or lower than the previously identified rate but is guaranteed not to be less than 1.00%. VRIAC will not apply a decrease to the current rate following a rate change initiated solely by us prior to the last day of the three-month period measured from the first day of the month in which such change was effective. Note: The current rate for an initial investment in the fixed account previously identified may be in effect for less than a full three-month period.

(19)The Investment Option is neither a mutual fund nor part of a Separate Account. The returns listed do not include the impact of contract charges. Please refer to the contract or disclosure book to determine which Fixed Interest Options are available for your specific plan. The Investment Option is offered through Voya Retirement Insurance and Annuity Company.

The returns do not reflect the impact of a Deferred Surrender Charge. If included, performance would be less favorable.

Not all investments options are available under all contracts; please check your disclosure booklet for options available under your plan.

Benchmark ID	Benchmark Description
BCUSH1IC	BBgBarc US HY 1% Issuer Cap TR USD
FTSE4GUSS	FTSE 4Good US Select Index measures the performance of companies that meet globally recognized corporate responsibility standards, and to facilitate investment in those companies.
LBUSTIPS	BBgBarc Capital U.S. Treasury U.S. TIPS Index measures the performance of rulesbased, market value-weighted inflation-protected securities issued by the U.S. Treasury. It is a subset of the Global Inflation-Linked Index (Series-L).
LEHM	BBgBarc U.S. Aggregate Bond Index measures the performance of investment grade, U.S. dollar-denominated, fixed-rate taxable bond market, including Treasuries, government-related and corporate securities, MBS (agency fixed-rate and hybrid ARM passthroughs), ABS, and CMBS. It rolls up into other Barclays flagship indices, such as the multi-currency Global Aggregate Index and the U.S. Universal Index, which includes high yield and emerging markets debt.
MFR	MFR Money Market Index is comprised of returns which are based upon historical average 30-day compound yields on a universe of taxable money market funds. The data for the universe, which includes approximately 980 funds, is compiled by iMoneynet, Inc. Goal of ING Fixed Account - 457/401 is to outperform the MFR by 150 - 200 basis points over 3 - 5 year time periods.
MSCIXUS	MSCI ACWI (All Country World Index) ex USA Index measures the performance of the large and mid-cap segment of the particular regions, excluding USA equity securities,including developed and emerging market. It is free float-adjusted market-capitalization weighted.

See Performance Introduction Page for Important Information

Benchmark ID	Benchmark Description
RS1000G	Russell 1000 Growth Index measures the performance of the large-cap growth segment of the U.S. equity securities. It includes the Russell 1000 index companies with higher price-to-book ratios and higher forecasted growth values. It is market-capitalization weighted.
RS1000V	Russell 1000 Value Index measures the performance of the large-cap value segment of the U.S. equity securities. It includes the Russell 1000 index companies with lower price-to-book ratios and lower expected growth values. It is market-capitalization weighted.
RS2000	Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity universe. It is a subset of the Russell 3000 and includes approximately 2000 of the smallest securities based on a combination of their market cap and current index membership.
RSMID	Russell Mid-Cap Index measures the performance of the mid-cap segment of the U.S. equity universe. It is a subset of Russell 1000 index and includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The index represents approximately 31% of the total market capitalization of the Russell 1000 companies.
SP2035	S&P Target Date 2035 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2035, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SP2045	S&P Target Date 2045 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2045, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2020	S&P Target Date 2020 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2020, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2025	S&P Target Date 2025 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2025, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2030	S&P Target Date 2030 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2030, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2040	S&P Target Date 2040 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2040, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2050	S&P Target Date 2050 Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2050, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2055	S&P Target Date 2055+ Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2055, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.
SPT2060	S&P Target Date 2060+ TR USD - description is not available.
SPTREIN	S&P Target Date Retirement Income Index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.

See Performance Introduction Page for Important Information

Benchmark ID

Benchmark Description

SPXLBGC

S&P 500 60% / Barclays Capital Corp/Gov Bond Index 40% consists of a mix of 60% of an unmanaged stock index (The Standard & Poor's 500) and 40% of an unmanaged bond index (Barclays Capital Gov't Corp. Bond Index).

SPXRE

S&P 500 Index measures the performance of 500 widely held stocks in U.S. equity market. Standard and Poor's chooses member companies for the index based on market size, liquidity and industry group representation. Included are the stocks of industrial, financial, utility, and transportation companies. Since mid 1989, this composition has been more flexible and the number of issues in each sector has varied. The index is market capitalization-weighted.

Section XVI.

OPEB Trust



Total Performance Summary

Report ID: IPM0005

Reporting Currency: USD

TOTAL NET OF FEES

4/30/2020

Account Name Benchmark Name	Market Value	% of Total	Month	YTD	Fiscal YTD	Annualized				ITD	Inception Date
						1 Year	3 Years	5 Years	10 Years		
Mackay Shields OPEB	142,240,406.1	38.3	2.15	4.49	7.07	10.32	4.95	3.56		3.16	5/1/2013
<i>Bloomberg Barclays U.S. Aggregate Bond Index</i>			1.78	4.98	7.56	10.84	5.17	3.80		3.30	5/1/2013
SSGA S&P 500 INDX	229,470,133.5	61.7	12.81	-9.16	0.75	0.86	9.00	9.12		11.58	5/1/2011
<i>S&P 500 - Total Return Index</i>			12.82	-9.29	0.62	0.86	9.04	9.12		11.10	5/1/2011
Total OPEB	371,710,539.5	100.0	8.48	-4.36	3.26	4.44	7.78	7.33		8.57	5/1/2011
<i>OPEB Custom Blend</i>			8.95	-4.12	3.50	4.88	8.03	7.51		8.09	5/1/2011

END NOTES

4/30/2020

1 RI7GX0903OPE OPEB Custom Blend

35% Barclays Aggregate and 65% S&P 500



Total Performance Summary

Report ID: IPM0005

Reporting Currency: USD

TOTAL NET OF FEES

4/30/2020

Account Name Benchmark Name	Market Value	% of Total	YTD	Month	Cumulative					Inception Date
					3/1/2020 - 3/31/2020	2/1/2020 - 2/29/2020	2019	2018	2017	
Mackay Shields OPEB	142,240,406.1	38.3	4.49	2.15	-1.57	1.79	8.91	-0.54	3.78	5/1/2013
<i>Bloomberg Barclays U.S. Aggregate Bond Index</i>			4.98	1.78	-0.59	1.80	8.72	0.01	3.54	5/1/2013
SSGA S&P 500 INDX	229,470,133.5	61.7	-9.16	12.81	-12.20	-8.23	31.19	-4.42	21.80	5/1/2011
<i>S&P 500 - Total Return Index</i>			-9.29	12.82	-12.35	-8.23	31.49	-4.38	21.83	5/1/2011
Total OPEB	371,710,539.5	100.0	-4.36	8.48	-8.17	-4.66	22.99	-2.85	15.32	5/1/2011
<i>OPEB Custom Blend</i>			-4.12	8.95	-8.23	-4.72	23.33	-2.58	15.14	5/1/2011

END NOTES

4/30/2020

- | | | | |
|---|--------------|-------------------|--|
| 1 | RI7G10000000 | Total OPEB | YTD - Calendar Year to Date
Month - Current Month
Cumulative Months - Prior Month and Second Prior Month |
| 2 | RI7GX0903OPE | OPEB Custom Blend | 2013, 2012, 2011 - Calendar Year
65% S&P 500 and 35% Barclays Aggregate |