



March 2022

The State Investment Commission (SIC) and Office of the General Treasurer are pleased to publish the Employees' Retirement System of Rhode Island (ERSRI) Investment Expense Analysis for the fiscal year ending June 30, 2021.

Under Treasurer Magaziner, Rhode Island maintains one of the most comprehensive expense disclosure policies in the nation. Since 2015, Rhode Island only invests with fund managers who agree to have their performance and expenses published regularly, a policy that has become a leading practice replicated by other states. In 2017, The Rhode Island General Assembly codified Treasurer Magaziner's disclosure policy into law, ensuring the policy would continue across future administrations.

Total investment related fees and expenses in Fiscal Year 2021 were \$188 million. The Pension Fund earned more than \$2.1 billion from investments net of fees and expenses and ended Fiscal Year 2021 with a value of almost \$10.1 billion.

In September 2016, Treasurer Magaziner and the SIC announced a new asset allocation strategy called 'Back to Basics' which included a significant reduction in hedge funds in favor of more traditional strategies for growth and stability. Since implementation of 'Back to Basics', the pension fund has earned more than \$4.2 billion from investments through the end of Fiscal Year 2021.

Additional details on investment performance, asset allocation, and expenses can be found at:
<http://investments.treasury.ri.gov>

Under Treasurer Magaziner's administration, all funds new to the ERSRI portfolio after June of 2015 are required to permit public reporting of their fees and expenses. While funds that received investment from the SIC before June of 2015 are grandfathered from the individualized reporting requirement, the Treasurer's office has requested that they voluntarily allow disclosure, which most have agreed to do.

In addition to displaying the fees and expenses charged by each fund individually, this report includes a comprehensive total of all manager fees and expenses paid out of the pension system by asset class. These totals reflect fees and expenses paid to every fund, including those grandfathered funds that declined to allow individualized disclosure.

Treasurer Magaziner is committed to making investment information transparent and accessible because Rhode Islanders deserve to know how their money is being invested.

Employees' Retirement System of Rhode Island Investment Expense Analysis

FY 2021
in \$000's

Asset Class / Type	Management Fees	Fund Expenses	Performance Expense	Total Investment Expense	Expense Ratio
Subtotal Global Public Equity	1,888	4		1,892	0.02%
Private Equity	18,323	2,652	78,053	99,028	1.06%
Non-Core Real Estate	3,537	513	5,615	9,666	0.10%
Opportunistic Private Credit	1,657	320	4,056	6,033	0.06%
Subtotal Private Growth	23,517	3,486	87,725	114,727	1.22%
HY Infrastructure	524			524	0.01%
REITs	845			845	0.01%
Equity Options	658			658	0.01%
Emerging Markets Debt	993			993	0.01%
Liquid Credit	1,155	3		1,158	0.01%
Private Credit	2,300	1,350	3,987	7,637	0.08%
CLO Mezz/Equity					0.00%
Income Bucket Transition					0.00%
Subtotal Income	6,475	1,353	3,987	11,814	0.13%
Treasury Duration	257	2		259	0.00%
Systematic Trend	2,250	1,153		3,403	0.04%
Subtotal Crisis Protection	2,507	1,155		3,662	0.04%
Core Real Estate	2,857	231	333	3,422	0.04%
Private Infrastructure	3,004	715	6,693	10,411	0.11%
Inflation Linked Bonds	101			101	0.00%
Subtotal Inflation Protection	5,962	946	7,026	13,934	0.15%
Fixed Income	779	2		781	0.01%
Absolute Return	11,647	1,960	23,121	36,728	0.39%
Cash	207			207	0.00%
Subtotal Volatility Protection	12,633	1,962	23,121	37,715	0.40%
Beta Overlay	335	112		447	0.00%
Specialty Liquidation	4			4	0.00%
Subtotal Other	340	112		452	0.00%
Subtotal Manager Expense	53,322	9,017	121,857	184,196	1.96%
Expense Ratio	0.57%	0.10%	1.30%	1.96%	
Consulting	1,299			1,299	0.01%
Custody	342			342	0.00%
Legal	124			124	0.00%
Research & Other	84			84	0.00%
Personnel / Operating	1,758			1,758	0.02%
Subtotal Other Expenses	3,607			3,607	0.04%
Total Investment Expense	56,929	9,017	121,857	187,803	2.00%
Expense Ratio	0.61%	0.10%	1.30%	2.00%	

Note: The additional disclosure of indirect management and indirect performance fees included in this document exceeds GASB reporting requirements and is not common practice for public pension plans. As such, care should be taken when comparing these expenses relative to expense data included in the financial statements of other plans. Because indirect expenses are not readily separable from net investment income, the expenses disclosed here are provided on a best-efforts basis, intended to be used for illustrative purposes only.

Employees' Retirement System of Rhode Island Investment Expense Analysis

FY 2021 Publicly Traded Investment Managers

in \$000's

Investment Manager	Asset Class	Inception Year	Year-End Assets	Abridged Fee Terms*		Fees Paid (\$)*		
				Management	Performance	Management	Fund Expense	Performance
State Street Global Advisors	Public Equities	2012	4,414,457	0.03%	0%	1,888	4	-
Brown Brothers Harriman	Inflation-Linked Bonds	2012		0.13%	0%	79	-	-
State Street Global Advisors	Inflation-Linked Bonds	2020	146,051	0.03%	0%	22	-	-
Mackay Shields	Fixed Income	2012		0.15%	0%	38	-	-
Fidelity	IG Corporate Credit	2020	315,683	0.18%	0%	383	-	-
Loomis Sayles	Securitized Credit	2020	310,730	0.22%	0%	358	2	-
Pacific Investment Management Company	Credit	2013	225,747	0.44%	25%	418	2	-
Loomis Sayles	Credit	2019	222,255	0.25%	20%	737	1	-
Neuberger Berman	Equity Options	2020	259,245	0.35%	0%	658	-	-
Wellington Management	Emerging Markets Debt	2020	186,848	0.25%	20%	993	-	-
Mackay Shields	Long Duration	2017		0.08%	0%	96	-	-
Western Asset Management Company	Long Duration	2017	489,336	0.05%	0%	161	2	-
CPC AP LLC	Systematic Trend	2017	159,049	0.60%	0%	921	380	-
CPC CB LLC	Systematic Trend	2017	160,174	1.00%	0%	822	383	-
CPC QIS LLC	Systematic Trend	2017	166,255	0.24%	0%	507	390	-
Harvest Fund Advisors	MLP	2015	112	0.70%	0%	524	-	-
Heitman	REIT	2019	159	0.30%	20%	845	-	-
Russell Investments	Overlay	2008	36,323	0.02%	0%	335	112	-
Hamilton Lane	Distribution Management	1998	57,306	0.50%	10%	4	-	-
Fidelity	Cash	2012	2	0.14%	0%	-	-	-
Payden & Rygel	Cash	2017	219,627	0.12%	0%	207	-	-
Total			7,369,358			9,997	1,275	

*Shown are abridged terms and fees incurred in the current fiscal year. Actual fee calculations include additional considerations and reductions that space and conditions of access do not permit. Since certain funds were added to or removed from the portfolio at different times throughout the fiscal year, line items are not readily comparable. Fees are audited annually by a third-party auditor. All fee terms are reviewed by the SIC and its consultants as part of any investment decision. The additional disclosure of indirect management and indirect performance fees included in this document exceeds GASB reporting requirements and is not common practice for public pension plans. As such, care should be taken when comparing these expenses relative to expense data included in the financial statements of other plans. Because indirect expenses are not readily separable from net investment income, the expenses disclosed here are provided on a best-efforts basis, intended to be used for illustrative purposes only. Finally, please note that dollar amounts of management, expense, and performance fees paid were not prepared, reviewed or approved by the Investment Managers.

Employees' Retirement System of Rhode Island Investment Expense Analysis

FY 2021 Absolute Return Managers
in \$000's

Partnership	Date of Initial Investment	Year-End Assets	Fee Terms		Fees Paid*		
			Management	Performance	Management	Fund Expense	Performance
Aristeia Partners	Jan-21	42,307	1.0%	20.0%	213	52	575
Capula Global Relative Value Fund Ltd	Dec-11	85,344	2.0%	20.0%	1,657	238	447
Davidson Kempner Institutional Partners LP	Nov-11	98,871	1.5%	20.0%	1,357	66	3,288
DE Shaw Composite International Fund	Nov-11	156,468	3.0%	30.0%	4,425	300	10,688
Elliott Associates LP	Nov-11	137,330	1.5%	20.0%	2,039	<i>grandfathered</i>	4,319
Graham Capital	Jan-12	59,750	2.5%	25.0%	756	153	1,000
Viking Global Equities LP	Dec-11	80,700	1.5%	20.0%	1,156	<i>grandfathered</i>	2,803
Winton Futures Fund Ltd	Dec-11	-	0.9%	16.0%	44	11	-
Total		660,770			11,647	1,960	23,121

Note: The term *grandfathered* is shown in cases where the limited partnership agreement, entered into between ERSRI and the investment manager at the time of initial investment, prohibits the disclosure of such information.

*Shown are fees incurred for the current fiscal year. Since certain funds were added to or removed from the portfolio at different times throughout the fiscal year, line items may represent partial year expenses over different time frames and are not readily comparable. Fees are generally assessed on a quarterly basis and are audited annually by a third-party auditor. All fee terms are governed by funds' limited partnership agreements and are reviewed by the SIC and its consultants as part of any investment decision. The additional disclosure of indirect management and indirect performance fees included in this document exceeds GASB reporting requirements and is not common practice for public pension plans. As such, care should be taken when comparing these expenses relative to expense data included in the financial statements of other plans. Because indirect expenses are not readily separable from net investment income, the expenses disclosed here are provided on a best-efforts basis, intended to be used for illustrative purposes only. Finally, please note that dollar amounts of management and performance fees paid and the abridged fee terms were not prepared, reviewed or approved by the Investment Managers.

Employees' Retirement System of Rhode Island Investment Expense Analysis

FY 2021 Private Debt & Private Equity Managers
in \$000's

Partnership	Type	Vintage Year	Commitment Amount (in \$ unless otherwise noted)	Abridged Fee Terms*		Fees Paid (\$)		
				Management	Performance	Management	Fund Expense	Performance
Advent International GPE VII	Private Equity	2012	20,000	1.50%	20%	134	3	996
Advent International GPE VIII	Private Equity	2016	20,000	1.50%	20%	255	20	4,162
Advent International GPE IX	Private Equity	2019	30,000	2.00%	20%	450	146	2,655
Alta Partners VIII	Private Equity	2006	15,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Altaris Constellation Partners IV	Private Equity	2018	6,000	0.00%	20%	-	-	415
Altaris Health Partners IV	Private Equity	2018	24,000	2.00%	20%	360	-272	2,883
Bain Capital Fund X	Private Equity	2008	25,000	2.00%	30%	-	-	-307
Baring Asia Fund VI	Private Equity	2015	15,000	1.80%	20%	186	140	2,317
Baring Asia Fund VII	Private Equity	2018	50,000	1.75%	20%	816	407	5,041
Birch Hill Equity Partners III	Private Equity	2005	CAD 18,000	0.00%	20%	-	2	112
Braemar Energy Ventures III	Private Equity	2011	10,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Carlyle Asia Partners IV	Private Equity	2014	30,000	1.50%	20%	228	-89	2,368
Carlyle Asia Partners V	Private Equity	2018	50,000	1.55%	20%	775	184	1,870
Castle Ventures III	Private Equity	2006	5,000	0.00%	20%	-	10	-
Centerbridge Capital Partners	Private Equity	2006	15,000	1.50%	20%	-	3	62
Centerbridge Capital Partners III	Private Equity	2015	25,000	1.50%	20%	292	78	1,367
Charterhouse Capital Partners VIII	Private Equity	2006	€ 15,000	0.00%	20%	-	-	-
Collier International Partners V	Private Equity	2007	15,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Constellation Ventures III	Private Equity	2007	15,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
CVC European Equity Partners III	Private Equity	2001	20,000	0.00%	20%	-	3	36
CVC European Equity Partners IV	Private Equity	2005	€ 16,500	0.00%	20%	-	2	-5
CVC European Equity Partners V	Private Equity	2008	€ 20,000	0.80%	20%	-	4	70
CVC European Equity Partners VI	Private Equity	2014	€ 15,000	1.50%	20%	146	6	1,891
CVC European Equity Partners VII	Private Equity	2018	€ 35,000	1.50%	20%	623	224	3,328
DCVC Bio II	Private Equity	2020	20,000	2.00%	25%	400	-1	-
EnCap Energy Capital Fund IX	Private Equity	2013	18,000	1.50%	20%	139	3	-
EnCap Energy Capital Fund X	Private Equity	2015	25,000	1.50%	20%	248	4	-
EnCap Energy Capital Fund XI	Private Equity	2017	50,000	2.00%	20%	750	6	-
Eureka III	Private Equity	2019	25,000	2.00%	20%	207	27	1,372
Eureka IV	Private Equity	2019	20,000	2.00%	20%	400	19	86
Fenway Partners Capital Fund III	Private Equity	2006	15,000	1.00%	20%	-	-	-
First Reserve Fund X	Private Equity	2004	20,000	0.00%	20%	-	-	-
First Reserve Fund XI	Private Equity	2006	20,000	0.00%	20%	-	4	-
German Equity Partners V	Private Equity	2019	€ 21,500	2.00%	20%	599	23	-
Granite Global Ventures II	Private Equity	2004	15,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Granite Global Ventures III	Private Equity	2006	15,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
GOV Discovery III	Private Equity	2021	7,500	2.50%	20%	47	6	-
GOV Capital VIII	Private Equity	2021	18,000	2.50%	20%	113	17	-
Green Equity Investors V	Private Equity	2007	20,000	0.75%	20%	-3	55	222
Hastings Equity Fund IV	Private Equity	2019	25,000	2.00%	20%	355	152	-
Hastings Equity Co-Invest	Private Equity	2021	7,500	0.00%	0%	-	7	-
Industry Ventures Partnership Holdings III	Private Equity	2014	25,000	1.00%	10%	236	32	3,405
Industry Ventures Partnership Holdings III-C	Private Equity	2015	15,000	0.50%	20%	62	88	673
Industry Ventures Partnership Holdings IV	Private Equity	2016	10,000	1.00%	10%	100	17	869
Industry Ventures Partnership IV-Secondary	Private Equity	2019	10,032	1.00%	10%	100	22	922
Industry Ventures Partnership Holdings V	Private Equity	2019	30,000	1.00%	10%	300	103	1,757
Kayne Anderson Energy Fund IV	Private Equity	2007	€ 15,000	0.00%	20%	-	2	-
Leapfrog Ventures II	Private Equity	2005	10,000	1.25%	20%	-	3	-
Leeds Weld Equity Partners IV	Private Equity	2003	10,000	0.00%	0%	-	-	-
Level Equity Growth Partners IV	Private Equity	2018	17,500	2.50%	20%	384	18	1,095
Level Equity Opportunity Fund 2018	Private Equity	2018	15,000	1.00%	15%	-	21	1,490
Lighthouse Capital Partners VI	Private Equity	2007	15,000	0.96%	20%	-	-	-
MHR Institutional Partners III	Private Equity	2006	20,000	1.75%	20%	18	9	400
Nautic Partners V	Private Equity	2000	20,000	0.00%	20%	-	1	184
Nautic Partners VI	Private Equity	2007	20,000	1.85%	20%	-	-19	277
Nautic Partners VII	Private Equity	2014	20,000	1.65%	20%	48	8	760
Nautic Partners VIII	Private Equity	2016	20,000	2.00%	20%	56	10	1,873
Nautic Partners IX, L.P.	Private Equity	2019	25,000	2.00%	20%	272	5	832
Nordic Capital Fund V	Private Equity	2003	€ 14,616	0.00%	20%	-	-	-1
Nordic Capital Fund VI	Private Equity	2006	€ 15,000	0.00%	20%	-	1	-47
Nordic Capital Fund VII	Private Equity	2008	€ 15,000	0.00%	20%	-	2	888
Nordic Capital Fund VIII	Private Equity	2013	€ 15,000	1.50%	20%	207	29	1,952
Odyssey Investment Partners Fund VI	Private Equity	2020	€ 20,000	2.00%	20%	468	-	-163
Paine & Partners Fund IV	Private Equity	2015	30,000	2.00%	20%	192	129	-
Paine Schwartz Food Chain Fund V	Private Equity	2018	50,000	2.00%	20%	939	184	-
Paladin III	Private Equity	2008	10,000	1.75%	20%	71	11	-519
Parthenon Investors II	Private Equity	2001	23,980	0.00%	20%	-	1	-104
Parthenon Investors VI	Private Equity	2020	45,000	2.00%	20%	783	145	437
Point 406 Ventures	Private Equity	2006	10,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Point Judith Venture Fund II	Private Equity	2006	5,000	0.00%	15%	-	2	-
Providence Equity Partners V	Private Equity	2005	25,000	0.00%	20%	-	4	-
Providence Equity Partners VI	Private Equity	2007	25,000	0.50%	20%	-	20	-
Providence Equity Partners VII	Private Equity	2012	25,000	1.00%	20%	46	71	-
Riverside Capital Appreciation Fund VI	Private Equity	2013	20,000	2.00%	20%	204	29	391
Riverside Micro-Cap Fund III	Private Equity	2014	20,000	2.00%	20%	459	89	12,482
Riverside Micro-Cap Fund IV	Private Equity	2020	20,000	0.00%	20%	97	2,079	-
Riverside Micro-Cap Fund V	Private Equity	2019	25,000	2.00%	20%	349	42	853
RLH IV	Private Equity	2017	40,000	2.00%	20%	800	74	-
Siris Partners IV	Private Equity	2018	50,000	1.75%	20%	875	24	2,620
Sorenson Capital Partners III	Private Equity	2014	30,000	2.00%	20%	163	95	3,646
Southwest Fund VII	Private Equity	2016	30,000	0.00%	20%	750	-	-
TCG Crossover Fund	Private Equity	2021	25,000	2.50%	20%	-	-	3
Tenex Capital Partners II	Private Equity	2016	25,000	2.00%	20%	351	41	3,316
Tenex Capital Partners III	Private Equity	2021	30,000	2.00%	20%	494	92	-
Thoma Bravo Discover Fund III	Private Equity	2021	30,000	1.50%	20%	466	62	20
Thoma Bravo Fund XIV	Private Equity	2021	20,000	2.00%	20%	99	24	-
Thomas, Mc Nerney & Partners	Private Equity	2002	15,000	0.00%	20%	-	5	-
Thomas, Mc Nerney & Partners II	Private Equity	2006	15,000	0.50%	20%	3	3	-
TPG Partners IV	Private Equity	2003	15,000	0.00%	20%	-	3	2,716
TPG Partners V	Private Equity	2006	20,000	0.00%	20%	-	3	-
TPG Partners VI	Private Equity	2008	10,000	0.50%	20%	-	7	-15
Trilantic Capital Partners IV	Private Equity	2007	11,098	1.00%	20%	-	11	-13
Vici Partners III	Private Equity	2018	35,000	2.00%	20%	598	64	2,558
W Capital Partners II	Private Equity	2007	15,000	2.00%	20%	-	10	-76
Wynchurch Capital Partners V	Private Equity	2020	50,000	2.00%	20%	800	22	567
Abalays Asset Income Fund V	Private Credit	2021	30,000	1.50%	15%	110	31	129
Benefit Street Senior Opps. II	Private Credit	2019	40,000	0.55%	10%	78	72	87
CapitalSpring Investment Partners V	Private Credit	2016	30,000	1.50%	20%	393	75	1,001
Capital Spring Investment Partners VI	Private Credit	2020	40,000	1.50%	20%	192	216	-
Garrison Opportunity Fund IV	Private Credit	2014	30,000	1.75%	20%	331	195	-
Owl Rock Capital	Private Credit	2018	50,000	1.00%	18%	153	43	-
Owl Rock Capital Corp III	Private Credit	2020	50,000	1.00%	18%	85	257	-
Shanrock IP Content Fund II	Private Credit	2020	20,000	2.00%	20%	366	65	-
Shanrock IP Content Fund II Co-Invest	Private Credit	2020	10,000	0.00%	0%	-	44	-
Summit Partners Credit Fund	Private Credit	2011	20,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Summit Partners Credit Fund II	Private Credit	2014	25,000	grandfathered	grandfathered	grandfathered	grandfathered	grandfathered
Virgo Societas IV	Private Credit	2017	50,000	1.75%	20%	591	228	3,969
Zephyrus Aviation Partners	Private Credit	2019	20,000	0.00%	0%	-	113	-
Centerbridge Special Credit Partners II	Opportunistic Private Credit	2012	20,000	1.25%	20%	-	18	-
Clearlake Opportunities Fund II	Opportunistic Private Credit	2019	30,000	1.50%	20%	227	232	764
Clearlake Flagship Plus Partners	Opportunistic Private Credit	2021	10,000	0.00%	0%	-	25	150
Davidson Kempner LDO Fund IV	Opportunistic Private Credit	2018	50,000	1.50%	20%	643	-	2,566
Davidson Kempner LDO Fund V	Opportunistic Private Credit	2019	35,000	1.50%	20%	525	-	692
Oaktree European Principal Fund III	Opportunistic Private Credit	2011	20,000	1.75%	20%	262	44	193
WLR Recovery Fund IV	Opportunistic Private Credit	2007	8,000	0.50%	20%	-	1	-309
Total			2,826,951			22,279	4,322	86,096

Note: The term *grandfathered* is shown in cases where the limited partnership agreement, entered into between ERSRI and the investment manager at the time of initial investment, prohibits the disclosure of such information.
 *Shown are abridged terms and fees incurred in the current fiscal year. Actual fee calculations include additional considerations and reductions that are not permitted. Due to differing accounting standards across jurisdictions and differing expense treatment at the underlying entity-level across general partners, and since certain funds were added to or removed from the portfolio at different times throughout the fiscal year, line items are not readily comparable. Management fee terms are commonly structured such that fees are assessed quarterly based on committed capital during the investment period (typically the first 3-5 years of a fund's life) and on the cost basis of invested capital thereafter. Management fee terms may also include further changes later in a fund's life. Performance fee terms (with the exception of venture capital funds) are commonly structured such that fees are paid only after the investor has received back 100% of their invested capital, the management fees incurred and a return of 8%. Fees are audited annually by a third-party auditor. All fee terms are governed by funds' limited partnership agreements and are reviewed by the SIC and its consultants as part of any investment decision. The additional disclosure of indirect management and indirect performance fees included in this document exceeds GABS reporting requirements and is not common practice for public pension plans. As such, care should be taken when comparing these expenses relative to expense data included in the financial statements of other plans. Because indirect expenses are not readily separable from net investment income, the expenses disclosed here are provided on a best-efforts basis, intended to be used for illustrative purposes only. Finally, please note that dollar amounts of management and performance fees paid and the abridged fee terms were not created, reviewed or approved by the Investment Managers.

Employees' Retirement System of Rhode Island Investment Expense Analysis

FY 2021 Real Estate Managers

in \$000's

Partnership	Type	Vintage Year	Commitment Amount (\$)	Abridged Fee Terms*		Fees Paid (\$)*		
				Management	Performance	Management	Fund Expense	Performance
AEW Core Property Trust	Core Real Estate	Open-End	70,000	0.50%	0.0%	533	174	-
Heitman HART	Core Real Estate	Open-End	60,000	0.92%	0.0%	805	58	-
JP Morgan Strategic Property Fund	Core Real Estate	Open-End	75,000	0.92%	0.0%	757	-	-
Morgan Stanley Prime Property Fund	Core Real Estate	Open-End	35,000	0.85%	0.3%	763	-	333
Crow Retail Fund	Non-Core Real Estate	2015	24,000	1.50%	20.0%	319	51	-
Exeter Industrial Value Fund III	Non-Core Real Estate	2014	30,000	1.50%	20.0%	95	-	1,194
Exeter Industrial Value Fund V	Non-Core Real Estate	2020	25,000	1.50%	20.0%	507	-	466
GEM Realty Fund V	Non-Core Real Estate	2013	50,000	1.25%	20.0%	443	79	-
GEM Realty Fund VI	Non-Core Real Estate	2017	20,000	1.50%	20.0%	232	22	637
IC Berkeley Partners III	Non-Core Real Estate	2013	18,000	1.50%	20.0%	-	-	-
IC Berkeley Partners IV	Non-Core Real Estate	2016	30,000	1.38%	19.0%	290	-	505
Berkeley Partners V	Non-Core Real Estate	2020	35,000	1.38%	20.0%	469	26	-
Linchris Capital Opportunity Fund II	Non-Core Real Estate	2018	17,658	1.00%	12.5%	177	110	313
Lone Star Real Estate Fund IV	Non-Core Real Estate	2015	24,261	0.60%	20.0%	25	-8	140
Magna Hotel Fund III	Non-Core Real Estate	2008	4,000	0.00%	20.0%	-	-	-
Raith Real Estate Fund II	Non-Core Real Estate	2019	35,000	1.50%	20.0%	655	191	1,944
Tri Continental Capital VII	Non-Core Real Estate	2005	15,000	0.00%	20.0%	-	2	-
Waterton Venture XII	Non-Core Real Estate	2014	35,000	1.50%	20.0%	326	41	415
Total			602,918			6,395	744	5,948

*Shown are abridged terms and fees incurred in the current fiscal year. Actual fee calculations include additional considerations and reductions that space and conditions of access do not permit. Due to differing accounting standards across jurisdictions and differing expense treatment at the underlying entity-level across general partners, and since certain funds were added to or removed from the portfolio at different times throughout the fiscal year, line items are not readily comparable. Management fee terms for closed-end funds are commonly structured such that fees are assessed quarterly based on committed capital during the investment period (typically the first 3-5 years of a fund's life) and on the cost basis of invested capital thereafter. Management fee terms may also include further changes later in a fund's life. Performance fee terms for closed-end funds are commonly structured such that fees are paid only after the investor has received back 100% of their invested capital, the management fees incurred and a return of 8-9%. Fees are audited annually by a third-party auditor. All fee terms are governed by funds' limited partnership agreements and are reviewed by the SIC and its consultants as part of any investment decision. The additional disclosure of indirect management and indirect performance fees included in this document exceeds GASB reporting requirements and is not common practice for public pension plans. As such, care should be taken when comparing these expenses relative to expense data included in the financial statements of other plans. Because indirect expenses are not readily separable from net investment income, the expenses disclosed here are provided on a best-efforts basis, intended to be used for illustrative purposes only. Finally, please note that dollar amounts of management and performance fees paid and the abridged fee terms were not prepared, reviewed or approved by the Investment Managers.

Employees' Retirement System of Rhode Island Investment Expense Analysis

FY 2021 Infrastructure Managers

in \$000's

Partnership	Vintage Year	Commitment Amount (\$)	Abridged Fee Terms*		Fees Paid (\$)*		
			Management	Performance	Management	Fund Expense	Performance
Homestead USA Farmland Fund II	2019	25,000	1.50%	15.0%	360	24	21
IFM Global Infrastructure, LP	Open-End	50,000	0.77%	10.0%	461	98	729
ISQ Global Infrastructure Fund, LP	2015	50,000	1.60%	20.0%	511	70	1,731
ISQ Global Infrastructure Fund II, LP	2018	40,000	1.60%	20.0%	469	188	1,305
Star America Infrastructure Fund II	2020	20,000	1.50%	20.0%	280	119	-
Stonepeak Infrastructure Fund II, LP	2016	43,000	1.38%	15.0%	394	81	1,620
Stonepeak Infrastructure Fund II - C	2017	30,000	0.00%	0.0%	-	1	-
Stonepeak Infrastructure Fund III, LP	2018	35,000	1.38%	15.0%	244	75	1,287
Stonepeak Infrastructure Fund IV, LP	2020	50,000	1.38%	20.0%	285	60	-
Total		343,000			3,004	715	6,693

*Shown are abridged terms and fees incurred in the current fiscal year. Actual fee calculations include additional considerations and reductions that space and conditions of access do not permit. Due to differing accounting standards across jurisdictions and differing expense treatment at the underlying entity-level across general partners, and since certain funds were added to or removed from the portfolio at different times throughout the fiscal year, line items are not readily comparable. Management fee terms for closed-end funds are commonly structured such that fees are assessed quarterly based on committed capital during the investment period (typically the first 3-5 years of a fund's life) and on the cost basis of invested capital thereafter. Management fee terms may also include further changes later in a fund's life. Performance fee terms for closed-end funds are commonly structured such that fees are paid only after the investor has received back 100% of their invested capital, the management fees incurred and a return of 8-9%. Fees are audited annually by a third-party auditor. All fee terms are governed by funds' limited partnership agreements and are reviewed by the SIC and its consultants as part of any investment decision. The additional disclosure of indirect management and indirect performance fees included in this document exceeds GASB reporting requirements and is not common practice for public pension plans. As such, care should be taken when comparing these expenses relative to expense data included in the financial statements of other plans. Because indirect expenses are not readily separable from net investment income, the expenses disclosed here are provided on a best-efforts basis, intended to be used for illustrative purposes only. Finally, please note that dollar amounts of management and performance fees paid and the abridged fee terms were not prepared, reviewed or approved by the Investment Managers.