### **NEW JERSEY DIVISION OF INVESTMENT**

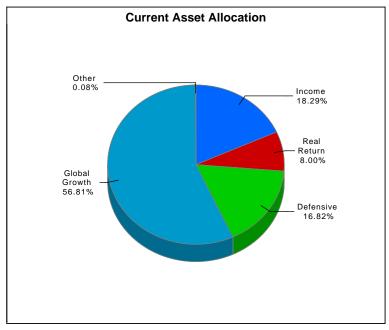
### **INVESTMENT REPORTING PACKAGE**

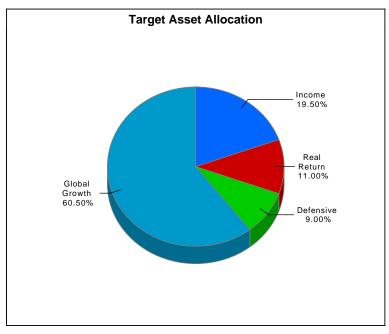
Period Ending September 30, 2024

"The mission of the New Jersey Division of Investment is to achieve the best possible return at an acceptable level of risk using the highest fiduciary standards"

### NJ Division of Investment Actual Allocation vs Target Allocation As of September 30, 2024

	Actual Allocation %	Target %	Allocation (in millions \$)
U.S. Equity	29.20	28.00	20,928.88
Int'l DM Equity Composite	12.56	12.75	9,001.61
Int'l SC Equity Composite	1.25	1.25	894.66
EM Equity Composite	3.20	5.50	2,291.95
Equity Hedge Fund Breakout	0.00	0.00	1.65
Private Equity	10.60	13.00	7,596.40
Global Growth	56.80	60.50	40,714.62
Real Estate	5.68	8.00	4,071.86
Real Assets	2.32	3.00	1,662.97
Real Return	8.00	11.00	5,734.83
High Yield Composite	4.28	4.50	3,070.76
Private Credit	6.94	8.00	4,971.01
Investment Grade Credit Composite	7.07	7.00	5,068.93
Income	18.29	19.50	13,110.71
Cash Equivalents <sup>1</sup>	10.16	2.00	7,285.64
U.S. Treasuries	4.14	4.00	2,963.84
Risk Mitigation Strategies	2.52	3.00	1,807.55
Defensive	16.82	9.00	12,057.03
Other	0.08	0.00	57.60
Total Pension Fund	100.00	100.00	71,674.79

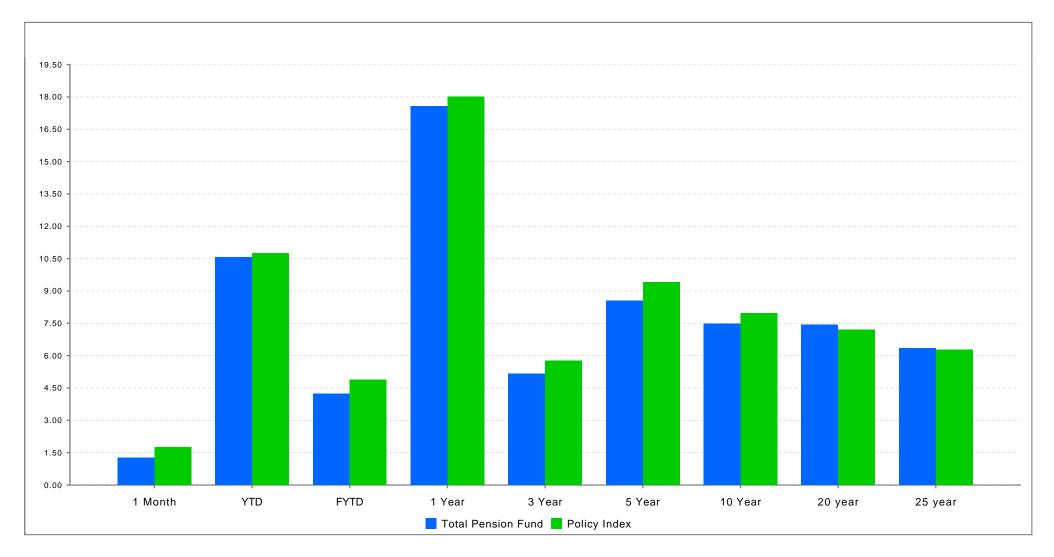




Sum of component allocation may not equal total due to rounding Excludes assets of the Policer & Firemen's Retirement System of New Jersey.

<sup>1</sup> The cash aggregate currently comprises three Common Pension Fund cash accounts, in addition to the six plan cash accounts.

# NJ Division of Investment Performance vs Policy Benchmark Periods Ending September 30, 2024 Total Pension Fund Returns are Net of All Fees



	1 Month	YTD	FYTD	1 Year	3 Year	5 Year	10 Year	20 year	25 year
Total Pension Fund	1.26	10.57	4.23	17.56	5.16	8.54	7.48	7.44	6.35
Policy Index <sup>1</sup>	1.76	10.76	4.88	18.02	5.76	9.41	7.97	7.20	6.27

<sup>1</sup> Benchmark return not available for 25-year period.

### **NJ Division of Investment** Pension Fund Asset Class Returns vs Benchmarks Periods Ending September 30, 2024 Returns are Net of All Fees

				Annualized		
	1 Month	YTD	FYTD	1 Year	3 Year	5 Year
U.S. Equity	2.08	20.59	6.17	35.24	10.41	15.40
Custom US Policy Benchmark	2.08	20.66	6.18	35.31	10.40	15.44
Int'l DM Equity Composite	1.10	13.30	7.70	25.27	6.06	8.71
Custom EAFE + Canada Benchmark 1	1.07	12.99	7.68	24.83	5.63	8.26
Int'l SC Equity Composite	2.34	12.04	9.52	24.54	(1.92)	7.73
Custom ACWI ex USA Small Cap Benchmark	3.01	11.93	8.91	23.27	1.38	8.22
EM Equity Composite	5.91	15.21	8.29	23.74	1.03	6.36
Custom EM Benchmark <sup>1</sup>	6.79	16.77	8.82	26.07	0.32	5.76
Equity Hedge Fund Breakout	0.03	193.79	0.03	178.89	42.25	(2.52)
50 HFRI EH 50 HFRI ED ACTIVIST (1Month Lag)	0.42	14.24	3.94	13.18	2.62	8.40
Private Equity	(0.17)	2.88	0.03	2.85	4.10	11.31
Custom Cambridge Blend	1.43	5.95	1.43	6.03	5.32	13.81
Global Growth	1.64	14.83	5.45	24.88	7.10	12.20
Global Growth Policy Benchmark	2.19	15.46	5.85	25.56	7.74	13.33
Real Estate	0.85	2.79	4.13	5.72	3.81	5.29
Real Estate Index <sup>2</sup>	(0.66)	(8.06)	(0.66)	(9.99)	1.02	2.27
Real Assets	(0.01)	2.53	(0.05)	3.08	7.02	5.28
Custom Cambridge Blend for Real Assets <sup>2</sup>	2.32	5.46	2.32	8.51	12.55	8.50
Real Return	0.60	2.75	2.82	4.96	4.75	5.33
Real Return Policy Benchmark <sup>2</sup>	0.15	(4.49)	0.15	(5.20)	4.25	4.33
High Yield Composite	1.47	7.27	4.95	14.91	2.91	4.51
Custom High Yield Benchmark	1.62	8.00	5.28	15.73	3.09	4.70
Private Credit	0.13	7.34	0.21	8.51	6.32	7.76
Bloomberg US Corp HY 1M lag +100bps	1.71	11.06	4.84	13.67	3.57	5.50
Investment Grade Credit Composite	1.71	4.70	5.57	12.53	(1.48)	0.70
Custom Investment Grade Credit Benchmark	1.68	4.91	5.64	12.93	(1.30)	0.75
Income	1.04	6.39	3.30	11.39	2.45	4.12
Income Policy Benchmark	1.69	8.18	5.25	13.99	1.31	3.27

<sup>1</sup> Custom index calculated by MSCI based on screening criteria defined by New Jersey Division of Investment. Please see disclosure on page 22.
2 Real Return, Real Assets and Real Estate Benchmarks are only reported on a quarterly basis, non quarter-end months are reported as 0% 4
3 The cash aggregate currently comprises three Common Pension Fund cash accounts, in addition to the six plan cash accounts.

### **NJ Division of Investment** Pension Fund Asset Class Returns vs Benchmarks Periods Ending September 30, 2024 Returns are Net of All Fees

				Annualized			
	1 Month	YTD	FYTD	1 Year	3 Year	5 Year	
Cash Equivalents <sup>3</sup>	0.44	4.33	1.39	5.78	3.76	2.54	
ICE BofA US 3-Month Treasury Bill	0.43	4.03	1.37	5.46	3.49	2.32	
U.S. Treasuries	1.24	4.06	4.71	9.82	(1.54)	(0.07)	
Custom Government Benchmark	1.20	3.84	4.74	9.72	(1.78)	(0.20)	
Risk Mitigation Strategies	0.14	7.12	(80.0)	8.81	6.44	6.52	
T-Bill + 300 BP	0.67	6.39	2.14	8.66	6.63	5.43	
Defensive	0.53	4.69	1.87	7.30	2.45	2.36	
Liquidity Policy Benchmark	0.85	4.75	3.12	8.45	2.37	2.20	
Total Pension Fund	1.26	10.57	4.23	17.56	5.16	8.54	
Policy Index	1.76	10.76	4.88	18.02	5.76	9.41	

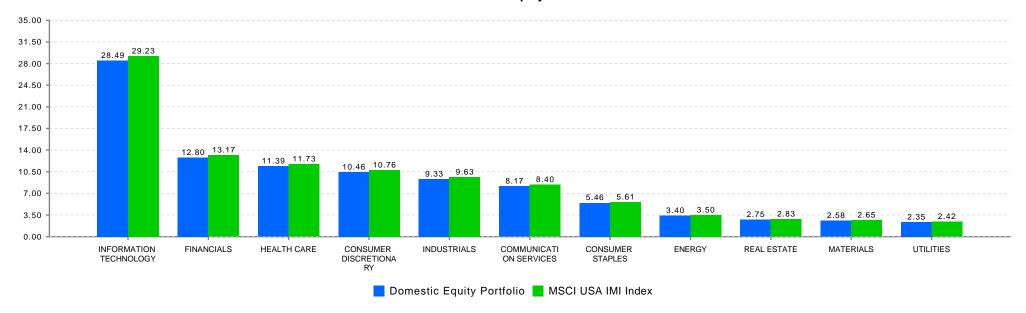
<sup>1</sup> Custom index calculated by MSCI based on screening criteria defined by New Jersey Division of Investment. Please see disclosure on page 22.
2 Real Return, Real Assets and Real Estate Benchmarks are only reported on a quarterly basis, non quarter-end months are reported as 0% 5
3 The cash aggregate currently comprises three Common Pension Fund cash accounts, in addition to the six plan cash accounts.

### **NJ Division of Investment** U.S. Equity As of September 30, 2024

Top Holdings\* U.S. Equity

Security Name	% of Portfolio
APPLE INC	5.97
MICROSOFT CORP	5.34
NVIDIA CORP	5.25
AMAZON.COM INC	3.07
VANGUARD TOTAL STOCK MARKET ET	2.39
META PLATFORMS INC CLASS A	2.21
ALPHABET INC CL A	1.71
ALPHABET INC CL C	1.49
BROADCOM INC	1.34
TESLA INC	1.32

### Select Portfolio Sector Weightings\*\* U.S. Equity



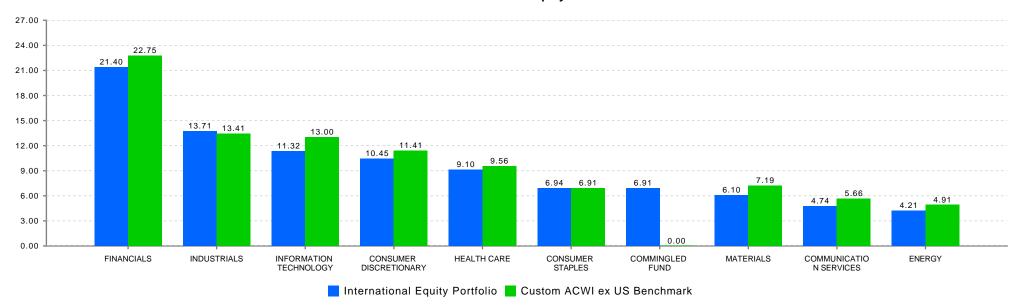
<sup>\*</sup>Holdings include accruals
\*\*Index sector weightings reflect the calculations of State Street and may differ from those of MSCI.

### NJ Division of Investment International Equity As of September 30, 2024

Top Holdings\* International Equity

Security Name	% of Portfolio
ISHARES CORE MSCI EAFE ETF	4.11
ISHARES MSCI EAFE SMALL CAP ET	1.98
NOVO NORDISK A/S B	1.34
ASML HOLDING NV	1.18
TENCENT HOLDINGS LTD	1.01
NESTLE SA REG	0.97
TAIWAN SEMICONDUCTOR MANUFAC	0.86
SAP SE	0.86
ASTRAZENECA PLC	0.85
TAIWAN SEMICONDUCTOR SP ADR	0.84

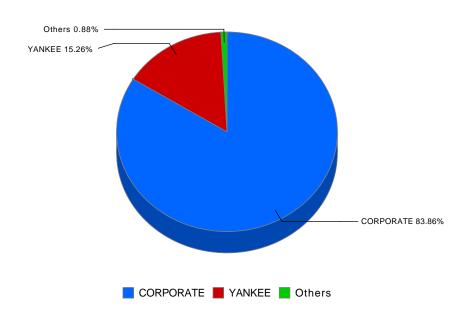
#### Select Portfolio Sector Weightings International Equity



Fixed Income Composite Top Holdings\*

Security Name	Coupon %	Maturity Date
US TREASURY N/B	1.50	02/15/2030
US TREASURY N/B	0.50	10/31/2027
US TREASURY N/B	1.50	08/15/2026
ISHARES 0 5 YEAR HIGH YIELD CO		12/31/9999
US TREASURY N/B	1.88	02/15/2032
US TREASURY N/B	0.88	06/30/2026
US TREASURY N/B	1.25	05/15/2050
US TREASURY N/B	2.25	11/15/2027
US TREASURY N/B	0.38	01/31/2026
SPDR BLOOMBERG SHORT TERM HIGH		12/31/9999

### **Select Portfolio Sector Weights**



Sector / Region	Market Value (\$ millions)	% of International Equity Portortfolio	Custom International Index	Net Foreign Currency Exposure (\$ millions)	Sector / Region	Market Value (\$ millions)	% of International Equity Portortfolio	Custom International Index	Net Foreign Currency Exposure (\$ millions)
Developed Markets:					Emerging Markets:				
Developed - Euro					EM - Global	0.1	0.00	0.0%	0.1
Austria	18.6	0.2%	0.1%	18.6	EM - Europe/Middle East/A	frica			
Belgium	91.3	0.8%	0.6%	91.3	Czech Republic	0.0	0.0%	0.0%	0.0
Finland	91.2	0.8%	0.7%	91.2	Egypt	2.4	0.0%	0.0%	2.4
France	938.2	7.8%	7.3%	938.2	Georgia	0.2	0.0%	0.0%	0.2
Germany	692.6	5.8%	5.2%	692.6	Greece	15.9	0.1%	0.1%	15.9
Ireland	26.2	0.2%	0.2%	26.2	Hungary	55.2	0.5%	0.1%	55.2
Italy	254.9	2.1%	1.8%	254.9	Kazakhstan	9.1	0.1%	0.0%	9.1
Netherlands	439.0	3.7%	3.1%	439.0	Kuwait	0.0	0.0%	0.1%	0.0
Portugal	23.5	0.2%	0.1%	23.5	Poland	10.3	0.1%	0.3%	10.3
Spain	250.6	2.1%	1.8%	250.6	Qatar	2.5	0.0%	0.2%	2.5
Developed - Non-Euro					Saudi Arabia	5.5	0.0%	1.1%	5.5
Australia	701.9	5.8%	5.0%	701.9	South Africa	92.5	0.8%	0.9%	92.5
Canada	988.8	8.2%	7.9%	988.8	Turkey	9.6	0.1%	0.2%	9.6
Denmark	293.1	2.4%	2.2%	293.1	United Arab Emirates	15.6	0.1%	0.3%	15.6
Hong Kong	155.1	1.3%	1.2%	155.1	EM - Latam				
Israel	86.0	0.7%	0.5%	86.0	Brazil	284.3	2.4%	1.4%	284.3
Japan	2,057.8	17.1%	14.4%	2,057.8	Chile	10.5	0.1%	0.2%	10.5
New Zealand	15.8	0.1%	0.1%	15.8	Colombia	0.3	0.0%	0.0%	0.3
Norway	51.2	0.4%	0.3%	51.2	Mexico	80.2	0.7%	0.6%	80.2
Singapore	137.7	1.1%	1.0%	137.7	Peru	31.0	0.3%	0.1%	31.0
Sweden	321.1	2.7%	2.2%	321.1	Uruguay	5.4	0.0%	0.0%	5.4
Switzerland	822.1	6.8%	6.3%	822.1	EM - Asia ex Japan				
United Kingdom	1,238.5	10.3%	8.8%	1,238.5	China	703.2	5.9%	8.3%	703.2
					India	231.8	1.9%	5.7%	231.8
					Indonesia	78.4	0.7%	0.5%	78.4
					Korea	249.1	2.1%	3.1%	249.1
					Malaysia	3.1	0.0%	0.4%	3.1
					Philippines	0.0	0.0%	0.2%	0.0
					Taiwan	371.1	3.1%	5.2%	371.1
					Thailand	44.3	0.4%	0.4%	44.3

### State Investment Council Regulation Violations and Other Reportable Matters September 30, 2024

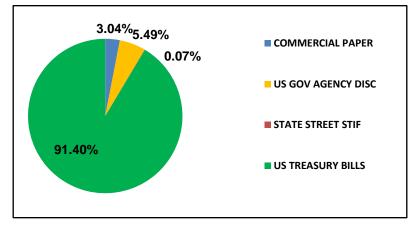
	Newly Reported Violations							
Date of Violation	Regulation Violated	Description of Violation	Date Corrected					
There are no reportable matters								
	Statı	us of Outstanding Violations Previously Reported						
		Description of Violation						
	There are no reportable matters							
	Other Reportable Matters							
	Description							
		There are no other reportable matters						

### New Jersey Division of Investment Cash Management Fund September 30, 2024

PARTICIPATION						
VALUE PERCENTAGE						
STATE	\$	34,406,070,536	87.96%			
NON-STATE		4,707,869,099	12.04%			
TOTAL	\$	39,113,939,635	100.00%			

PORTFOLIO RETURNS							
	STATE	<b>NON-STATE</b>	AVG.DAYS				
9/30/2024	5.10%	5.04%	29				
1 Month	5.23%	5.17%					
Fiscal YTD	5.30%	5.24%					
1 Year	5.35%	5.29%					

PORTFOLIO HOLDINGS							
		9/30/2024	PERCENTAGE				
US TREASURY BILLS	\$	38,575,702,111	91.40%				
US GOV AGENCY DISC		2,316,690,847	5.49%				
COMMERCIAL PAPER		1,284,407,390	3.04%				
STATE STREET STIF		29,068,822	0.07%				
TOTAL	\$	42,205,869,171	100.00%				



Note: Values and percentages are subject to rounding

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

		1		Α		В	С	=(B+C)	=(B+C)/A
	Inception	Last Valuation		Amount		Current Market			Total Value
	Date	Date	Commitment	Contributed	Unfunded Commitment	Value <sub>2</sub>	Total Distributed <sub>3</sub>	Total Value	Multiple
Private Equity									
Co Investments			2,430,817,328	2,589,404,827	395,526,298	2,047,330,024	2,589,540,654	4,636,870,678	1.79
**ABF VII New Jersey S.L.P.	Jul-20	Jun-24	55,817,328	53,031,567	2,785,760	71,984,662	0	71,984,662	1.36
BX NJ Co-Invest (PE) L.P.	Apr-19	Jun-24	50,000,000	54,702,047	0	0	85,303,518	85,303,518	1.56
NB/NJ Custom Investment Fund II	Apr-12	Jun-24	200,000,000	196,235,600	3,764,400	61,620,242	412,895,487	474,515,729	2.42
NB/NJ Custom Investment Fund III, LP  NB/NJ Custom Investment Fund III, LP	Apr-18	Jun-24	550,000,000 200,000,000	496,166,152 183,333,663	53,833,848 16,247,941	582,010,068 237,432,795	99,386,000 95,226,000	681,396,068 332,658,795	1.37 1.81
NB/NJ Custom Investment Fund III, LP Tranche B	Jul-21	Jun-24	350,000,000	312,832,489	37,585,907	344,577,273	4,160,000	348,737,273	1.11
NJ Roark Co-Invest Fund III LLC	Jan-14	Jun-24	75,000,000	74,999,950	0	81,002,419	12,575,294	93,577,713	1.25
SONJ Private Opportunities Fund II, L.P.	Nov-07	Jun-24	1,300,000,000	1,513,715,951	170,938,763	1,127,970,532	1,814,623,268	2,942,593,800	1.94
Vista Co-Invest Fund 2017-3, L.P.	Nov-17	Jun-24	200,000,000	200,553,560	164,203,527	122,742,102	164,757,087	287,499,189	1.43
Distressed Debt			1,730,000,000	1,674,921,609	317,434,031	1,014,950,392	1,738,498,502	2,753,448,894	1.64
BSP Special Situations Fund L.P.	Jan-17	Jun-24	150,000,000	130,110,931	57,538,000	51,235,228	138,355,018	189,590,246	1.46
Catalyst Fund V, L.P.	Nov-15	Jun-24	100,000,000	104,242,681	37,274,953	59,491,320	57,617,736	117,109,057	1.12
Centerbridge Capital Partners II, L.P.	May-11	Jun-24	100,000,000	154,273,024	3,000,283	536,873	124,242,496	124,779,369	0.81
Centerbridge Capital Partners, L.P. Chatham Asset Private Debt and Strategic Capital Fund	Jun-06 Nov-17	Jun-24 Aug-24	80,000,000 200,000,000	126,126,473 200,000,000	5,353,563 0	268,079 473,466,720	224,384,904 12,000,000	224,652,983 485,466,720	1.78 2.43
Golden Tree NJ Distressed Fund 2015	1404-17	Aug-24	300.000,000	237.875.000	65.950.000	77.751.999	343.517.882	421,269,881	2.43 1.77
Golden Tree NJ Distressed Fund 2015 GP LLC	Feb-16	Jun-24	200,000,000	205,500,000	56,500,000	67,982,183	305,070,382	373,052,566	1.82
GoldenTree NJ Distressed Fund 2015 GP LLC - Second Vintage	Jan-20	Jun-24	100,000,000	32,375,000	9,450,000	9,769,816	38,447,500	48,217,316	1.49
HIG Bayside Debt & LBO II	May-08	Jun-24	100,000,000	103,437,618	20,556,588	6,770,605	170,053,942	176,824,546	1.71
KPS Special Situations Fund IV, LP	Apr-13	Jun-24	200,000,000	177,356,719	28,100,924	95,549,009	284,205,271	379,754,279	2.14
MHR Institutional Partners III, L.P.	May-07	Aug-24	75,000,000	80,120,524	13,044,846	12,356,515	97,513,000	109,869,515	1.37
MHR Institutional Partners IV, L.P.	Jul-14	Aug-24	100,000,000	116,458,781	14,647,367	125,092,199	41,029,607	166,121,806	1.43
Strategic Value Special Situations Fund V, L.P.	Apr-21	Jun-24	125,000,000	83,238,026	41,761,974	111,530,298	16,092	111,546,390	1.34
Sixth Street Opportunities Partners II, L.P.	Mar-12	Jun-24	100,000,000	69,792,390	30,205,533	901,548	122,446,175	123,347,723	1.77
WLR Recovery Fund IV, LP	Oct-07		100,000,000	91,889,441	0	0	123,116,379	123,116,379	1.34
Domestic Midmarket Buyout			4,108,660,000	4,352,219,856	518,683,306	2,885,255,463	4,710,322,880	7,595,578,344	1.75
Altaris Health Partners V. L.P.	Jul-20	Jun-24	100,000,000	62,986,736	37,013,264	80,497,490	1,256,592	81,754,082	1.30
American Industrial Partners Capital Fund V	Dec-11	Jun-24	50,000,000	68,283,434	506,158	20,579,616	88,730,383	109,309,999	1.60
American Industrial Partners Capital Fund VI, L.P.	Sep-15	Jun-24	75,000,000	93,541,717	11,622,524	117,932,879	132,219,752	250,152,631	2.67
•	•	Jun-24 Jun-24							
Court Square Capital Partners II, L.P.	May-07		100,000,000	93,163,305	3,232,040	95,585	166,685,737	166,781,322	1.79
Excellere Capital Fund III, L.P.	Jul-15	Jun-24	40,000,000	40,780,263	7,181,789	34,679,308	37,605,742	72,285,050	1.77
JLL Partners Fund VI, LP	Jun-08	Jun-24	150,000,000	198,793,083	22,266,114	3,800,369	361,928,043	365,728,412	1.84
JLL Partners VII, LP	Mar-16	Jun-24	150,000,000	167,318,334	17,877,192	169,398,549	158,592,831	327,991,380	1.96
JLL Partners Fund VIII, L.P.	Feb-19	Jun-24	200,000,000	141,066,107	60,281,701	219,072,372	13,421,874	232,494,245	1.65
Marlin Equity Partners IV	Jun-13	Jun-24	75,000,000	79,091,475	-746,966	31,320,045	71,830,188	103,150,233	1.30
New Mountain Partners III, L.P.	May-07	Jun-24	100,000,000	114,950,591	3,815,193	3,914,944	260,335,125	264,250,069	2.30
Onex Partners II, LP	Aug-06	Dec-23	100,000,000	88,793,250	11,206,750	242,782	162,303,120	162,545,902	1.83
Onex Partners III, LP	Dec-08	Jun-24	100,000,000	110,594,538	8,397,860	18,543,848	166,503,308	185,047,156	1.67
Onex Partners IV, LP	May-14	Jun-24	166,490,000	175,313,488	5,976,912	82,528,814	169,330,852	251,859,666	1.44
Onex Partners V-B, L.P.	Oct-17	Jun-24	100,000,000	93,752,558	9,873,811	119,647,695	12,475,027	132,122,722	1.41
Quadrangle Capital Partners II	Aug-05	Jun-24	50,000,000	48,448,656	546.524	195.862	70.105.682	70.301.544	1.45
Roark Capital Partners III L.P.	Sep-12	Jun-24	100,000,000	113,912,015	1,960,241	125,015,133	112,234,987	237,250,120	2.08
Sterling Capital Partners IV, L.P.	Apr-12	Jun-24	100,000,000	107,896,558	25,171,677	16,925,831	51,790,519	68,716,350	0.64
Sycamore Partners III, L.P.	Jan-18	Jun-24	150,000,000	151,902,223	55,953,213	171,769,272	57,855,436	229,624,708	1.51
Tenex Capital Partners II, LP	Mar-16	Jun-24	78,170,000	86,551,237	9,937,864	65,528,038	128,302,306	193,830,344	2.24
Tenex Capital Partners, L.P.	Jan-11	Jun-24	50,000,000	70,580,951	7,760,513	6,523,028	104,347,839	110,870,867	1.57
Tenex Capital Partners LP - Secondary	Feb-13	Jun-24	20,000,000	26,036,615	3,104,205	2,316,925	40,290,521	42,607,446	1.64
The Rise Fund (A), L.P.	Nov-17	Jun-24	75,000,000	75,811,782	1,815,862	74,777,371	42,335,948	117,113,319	1.54
The Rise Fund II, L.P.	Mar-19	Jun-24	105,000,000	106,427,579	3,930,231	125,181,536	10,319,806	135,501,342	1.27
TPG Growth IV, L.P			149,000,000	136,851,966	12,223,919	128,521,479	72,346,968	200,868,447	1.47
			12						

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

				Α		В	С	=(B+C)	=(B+C)/A
	Inception	Last Valuation		Amount		Current Market			Total Value
	Date	Date	Commitment		Unfunded Commitment	Value	Total Distributed	Total Value	Multiple
TPG [STAR], LP	Mar-07	Jun-24	100,000,000	112,061,536	8,001	6,850,403	137,891,737	144,742,140	1.29
TPG Growth II, L.P.	Jun-12	Jun-24	100,000,000	104,632,232	3,386,626	50,806,056	186,765,111	237,571,167	2.27
TPG Growth III(A), L.P.	Jan-15	Jun-24	150,000,000	169,474,106	3,072,570	97,682,805	190,920,547	288,603,352	1.70
TPG Growth V, L.P.	Sep-20	Jun-24	100,000,000	95,579,270	12,791,730	118,262,709	10,795,976	129,058,685	1.35
TSG 7 A L.P.	Nov-15	Jun-24	80,000,000	68,526,881	11,467,472	51,250,619	104,733,886	155,984,505	2.28
TSG 7 B L.P.	Nov-15	Jun-24	20,000,000	20,812,498	55,782	17,254,197	11,864,644	29,118,841	1.40
TSG8, L.P.	Dec-18	Jun-24	100,000,000	95,677,194	4,574,693	80,016,176	3,315,893	83,332,069	0.87
Vista Equity Partners Fund III, L.P.	Jul-07	Jun-24	100,000,000	106,993,506	7,671,110	4,801,654	261,912,379	266,714,033	2.49
Vista Equity Partners Fund IV, L.P.	Oct-11	Jun-24	200,000,000	219,106,137	28,944,711	142,700,856	284,468,281	427,169,137	1.95
Vista Equity Partners Fund V, L.P.	Mar-14	Jun-24	200,000,000	262,976,652	44,323,485	254,013,800	319,710,229	573,724,029	2.18
Vista Equity Partners Fund VI, L.P.	Nov-16	Jun-24	200,000,000	254,373,260	17,038,467	216,296,133	291,495,265	507,791,398	2.00
Vista Foundation Fund II, L.P.	Nov-13	Jun-24	75,000,000	85,734,960	29,970,255	31,020,767	129,302,715	160,323,482	1.87
Vista Foundation Fund III. L.P.	Nov-16	Jun-24	100,000,000	119,183,080	18,709,895	108,900,761	118,144,027	227,044,788	1.91
Vista Foundation Fund IV, L.P.	Feb-20	Jun-24	100,000,000	84,240,085	15,759,918	85,916,207	19,263	85,935,470	1.02
Welsh, Carson, Anderson & Stowe XI, L.P.	Oct-08	Jun-24	100,000,000	100,000,000	0	473,551	165,834,341	166,307,892	1.66
Woldi, Galden, Anadissin a Glowe At, E.I	00.00	0411 Z-4	100,000,000	100,000,000	Ü	470,001	100,004,041	100,007,002	1.00
Emerging Managers			400,000,000	448,915,534	20,592,462	87,710,000	815,836,796	903,546,796	2.01
Fairview Capstone Partners II, LP	Sep-08	Jun-24	100,000,000	107,222,913	3,138,213	43,689,677	178,343,213	222,032,890	2.07
Fairview Capstone Partners, LP	May-07	Jun-24	100,000,000	91,010,329	8,989,671	27,781,092	285,488,651	313,269,743	3.44
Grosvenor/NJDI Emerging Opp			200,000,000	250,682,292	8,464,578	16,239,231	352,004,932	368,244,164	1.47
Grosvenor/NJDI Emerging Opp (2007)	Apr-07	Jun-24	100,000,000	126,720,023	1,502,008	9,058,341	168,305,331	177,363,672	1.40
Grosvenor/NJDI Emerging Opp (2008)	Jun-08	Jun-24	100,000,000	123,962,269	6,962,570	7,180,890	183,699,602	190,880,492	1.54
GP Equity Stakes			674,750,000	672,793,957	239,754,283	669,699,587	547,345,531	1,217,045,118	1.81
Blue Owl GP Stakes NJ Investors, L.P.	Oct-12	Jun-24	200,000,000	245,114,550	41,129,891	91,833,882	182,521,094	274,354,976	1.12
Blue Owl GP Stakes II NJ Investors, L.P.	Jul-14	Jun-24	250,000,000	255,145,359	56,448,721	270,790,636	166,257,446	437,048,083	1.71
Blue Owl GP Stakes III NJ Investors, L.P.	Aug-17	Jun-24	24,750,000	25,743,309	0	45,558,903	7,415,031	52,973,934	2.06
Blue Owl GP Stakes III US Investors LP	Dec-15	Jun-24	200,000,000	146,790,739	142,175,670	261,516,166	191,151,959	452,668,125	3.08
International			2,630,136,827	2,604,848,180	297,161,632	1,302,187,005	2,544,368,663	3,846,555,668	1.48
**AIMS/NJ Euro Small and Mid Fund II, L.P.	Jul-07	Jun-24	199,856,730	202,535,082	28,874,018	21,370,558	236,874,688	258,245,246	1.28
**Anacap Financial Partners II	May-08	Jun-24	127,329,513	192,097,746	5,496,378	650,500	190,061,667	190,712,167	0.99
**AnaCap Financial Partners III, L.P.	Jul-14	Jun-24	143,795,183	152,898,124	13,215,134	41,452,593	165,943,561	207,396,154	1.36
**AnaCap Financial Prtns GP	Nov-09	Jun-24	9,868,438	9,868,438	0	14,672,678	1,570,670	16,243,348	1.65
**ARDIAN Buyout Fund VII A S.L.P	Mar-20	Jun-24	137,286,963	99,943,189	37,713,186	114,967,166	21,283,537	136,250,703	1.36
MBK Partners Fund IV, L.P.	Dec-16	Jun-24	85,000,000	83,975,686	1,024,314	92,364,674	30,718,343	123,083,017	1.47
MBK Partners Fund V, L.P.	Jan-20	Jun-24	100,000,000	77,302,218	23,907,360	94,287,760	1,209,578	95,497,338	1.24
New Jersey Asia Investors II, L.P.	Jul-11	Jun-24	200,000,000	243,664,632	5,980,094	74,242,631	316,613,466	390,856,097	1.60
New Jersey Asia Investors III, L.P.	Aug-16	Jun-24	300,000,000	289,523,037	75,279,783	306,540,736	88,573,751	395,114,487	1.36
New Jersey Asia Investors, L.P.	Jan-08	Jun-24	100,000,000	100,234,362	12,157,408	2,799,726	298,556,891	301,356,617	3.01
NJHL European BO Investment II Series B	Apr-07	Jun-24	200,000,000	153,931,924	11,324,686	11,359,644	228,817,875	240,177,519	1.56
NJHL European Buyout Investment Series A	Feb-06	Jun-24	200,000,000	202,699,973	10,476,874	2,051,461	294,578,415	296,629,876	1.46
NJHL European Buyout Investment Series C	Mar-08	Jun-24	200,000,000	214,042,711	10,274,406	0	266,724,229	266,724,229	1.25
RRJ Capital Master Fund III, L.P.	Sep-15	Jun-24	150,000,000	153,295,728	9,517,131	30,642,487	136,941,912	167,584,399	1.09
Siguler Guff NJ Developing Mkt Fund, LP	Dec-13	Jun-24	300,000,000	285,879,140	14,120,860	370,426,128	219,804,660	590,230,788	2.06
Warburg Pincus China, L.P.	Dec-16	Jun-24	87,000,000	90,741,000	0	76,911,444	37,945,920	114,857,364	1.27
Warburg Pincus China-Southeast Asia II, L.P.	Jun-19	Jun-24	90,000,000	52,215,189	37,800,000	47,446,820	8,149,500	55,596,320	1.06
Large Buyout			2,918,543,331	3,280,969,663	131,671,589	1,385,411,156	4,119,359,763	5,504,770,918	1.68
Apollo Investment Fund VI, L.P.	Nov-05	Jun-24	50,000,000	132,031,490	730,723	795,297	171,500,614	172,295,911	1.30
			13			•		•	

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

		Last		Α		В	С	=(B+C)	=(B+C)/A
	Inception Date	Valuation Date	Commitment	Amount Contributed U	nfunded Commitment	Current Market Value	Total Distributed	Total Value	Total Value Multiple
Blackstone Capital Partners V, L.P.	Oct-05	Jun-24	100,000,000	101,079,366	4,837,844	44,183	166,570,122	166,614,305	1.65
Blackstone Capital Partners VI, L.P.	Mar-12	Jun-24	50,000,000	51,746,414	6,612,738	11,861,834	83,955,910	95,817,743	1.85
Blackstone Capital Partners VII, L.P.	May-15	Jun-24	45,000,000	48,619,491	3,221,446	38,395,543	40,076,821	78,472,364	1.61
Carlyle Partners VI, L.P.	Nov-13	Jun-24	300,000,000	329,051,817	15,924,195	74,412,642	517,586,392	591,999,034	1.80
**CVC Capital Partners VI, LP	Jul-13	Jun-24	85,646,139	102,007,587	4,768,680	71,633,868	132,806,954	204,440,822	2.00
**CVC Capital Partners VII (A), LP	May-17	Jun-24	112,129,753	112,072,612	6,223,043	129,428,978	89,219,854	218,648,832	1.95
**CVC Capital Partners VIII	Jun-20	Jun-24	108,267,439	89,181,081	19,388,882	101,255,295	1,510,044	102,765,339	1.15
Hellman & Friedman Capital Partners VIII, L.P.	Nov-14	Jun-24	100,000,000	102,750,467	5,588,530	111,511,350	66,327,203	177,838,553	1.73
Silver Lake Partners III, LP	Jan-07	Jun-24	100,000,000	106,990,806	9,528,468	22,710,275	229,369,586	252,079,861	2.36
Silver Lake Partners IV	Mar-13	Jun-24	200,000,000	233,773,985	5,713,692	306,220,088	341,748,736	647,968,824	2.77
Silver Lake Partners VI, L.P.	Sep-20	Jun-24	100,000,000	106,635,533	4,839,655	115,357,004	11,497,335	126,854,339	1.19
TPG Partners V, L.P.	Sep-06	Jun-24	187,500,000	257,811,416	1,217,322	189,526	318,129,531	318,319,056	1.23
TPG Partners VI, L.P.	May-08	Jun-24	180,000,000	299,341,345	2,663,179	2,266,183	391,874,835	394,141,018	1.32
Vista Equity Partners Fund VII, L.P.	Aug-18	Jun-24	300,000,000	288,630,262	40,413,192	316,674,529	29,260,604	345,935,133	1.20
Warburg Pincus Private Equity IX, LP	Aug-05	Jun-24	200,000,000	200,000,000	0,413,132	239,248	344,328,840	344,568,088	1.72
Warburg Pincus Private Equity X, LP	Oct-07	Jun-24	400,000,000	400,000,000	0	9,260,190	711,381,651	720,641,841	1.80
Warburg Pincus Private Equity XI, LP	May-12	Jun-24	300,000,000	319,245,990	0	73,155,124	472,214,732	545,369,856	1.71
Walburg Fillous Frivate Equity AI, LF	May-12	Jun-24	300,000,000	319,245,990	U	73,133,124	472,214,732	545,509,650	1.71
Mezzanine Debt			350,000,000	426,282,172	46,697,837	11,324,279	553,529,094	564,853,373	1.33
GSO Capital Opportunities Fund II, LP	Nov-12	Jun-24	150,000,000	165,084,437	36,323,344	4,321,109	207,634,028	211,955,137	1.28
GSO Capital Opportunities Fund, L.P.	Jul-08	Jun-24	100,000,000	140,871,719	6,184,029	2,056,458	203,214,793	205,271,251	1.46
Newstone Capital Partners II, L.P.	May-11	Jun-24	100,000,000	120,326,016	4,190,464	4,946,711	142,680,273	147,626,984	1.23
Secondaries			179,765,157	171,235,811	12,616,537	2,115,569	241,224,130	243,339,699	1.42
Lexington Capital Partners VI-B	Jun-06	Jun-24	50,000,000	50,705,969	817,355	255,128	73,809,048	74,064,176	1.46
**Partners Group Secondary 2006 LP	Sep-06	Jun-24	54,177,709	53,008,507	3,342,549	6,092	65,137,097	65,143,189	1.23
**Partners Group Secondary 2008, L.P.	Sep-08	Jun-24	75,587,448	67,521,335	8,456,633	1,854,349	102,277,985	104,132,334	1.54
Small/Midsize Buyout			775,000,000	879,799,272	60,189,168	164,498,543	1,255,250,671	1,419,749,214	1.61
Grosvenor/NJDI Investment Fund			650,000,000	773,273,826	40,876,644	38,007,544	1,248,709,822	1,286,717,367	1.66
Grosvenor/NJDI Investment Fund 2005	Nov-05	Jun-24	200,000,000	235,258,572	9,630,784	5,337,400	368,821,112	374,158,512	1.59
Grosvenor/NJDI Investment Fund 2006	Sep-06	Jun-24	250,000,000	305,452,297	7,575,586	18,005,013	531,486,060	549,491,073	1.80
Grosvenor/NJDI Investment Fund 2008	Jun-08	Jun-24	200,000,000	232,562,957	23,670,275	14,665,132	348,402,650	363.067.782	1.56
Stellex Capital Partners II LP	Sep-20	Jun-24	125,000,000	106,525,446	19,312,524	126,490,999	6,540,849	133,031,848	1.25
Out and all Others of the con-			404 000 000	4 044 744 004	000 407 007	F70 000 000	4 005 000 005	4 004 000 004	4.40
Special Situations Blackstone TOP Fund - A (PE) L.P.	Jan-12	Jun-24	<b>184,000,000</b> 184,000,000	<b>1,311,714,364</b> 1,311,714,364	<b>289,137,397</b> 289,137,397	<b>579,222,986</b> 579,222,986	<b>1,285,603,095</b> 1,285,603,095	<b>1,864,826,081</b> 1,864,826,081	<b>1.42</b> 1.42
Businester Fully A(1 E) E.F.	our 12	oun 24	10-4,000,000	1,011,714,004	200,101,001	070,222,000	1,200,000,000	1,004,020,001	1.72
Venture Capital			314,400,000	302,180,134	22,797,780	137,356,625	490,480,187	627,836,812	2.08
Khosla Ventures IV, L.P.	Jan-12	Jun-24	25,000,000	24,540,550	475,000	32,566,505	76,312,199	108,878,704	4.44
NB/NJ Custom Investment Fund	Aug-07	Jun-24	100,000,000	91,596,190	8,403,810	7,555,792	173,734,782	181,290,574	1.98
Peg Pooled Venture Capital VC Institutional III	Jul-06	Jun-24	49,400,000	56,469,086	136,953	12,159,771	80,936,621	93,096,392	1.65
TCV VIII, L.P.	Jan-14	Jun-24	100,000,000	90,531,347	12,824,979	62,292,980	140,758,166	203,051,147	2.24
Tenaya Capital VI, L.P.	Jul-12	Jun-24	40,000,000	39,042,961	957,039	22,781,577	18,738,419	41,519,996	1.06
Private Equity Subtotal			16,696,072,643	18,715,285,379	2,352,262,321	10,287,061,628	20,891,359,966	31,178,421,595	1.67
Real Estate									
Debt			1,214,065,200	1,189,115,048	179,121,343	175,844,853	1,342,743,270	1,518,588,123	1.28
Blackstone Residential Fund - A L.P	Apr-16	Jun-24	250,000,000	273,955,904	18,571,767	82,585,821	237,575,706	320,161,527	1.17

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

		Look		Α		В	С	=(B+C)	=(B+C)/A
	Inception	Last Valuation	Q	Amount	Unforded Committee of	Current Market		TatalMalus	Total Value
PLAN DE DANGE A SERVICE	Date	Date	Commitment		Unfunded Commitment	Value <sub>2</sub>	Total Distributed	Total Value	-
Blackstone RE Debt Strategies III, L.P.	Jun-16	Jun-24	100,000,000	110,492,896	25,511,820	9,427,197	118,387,543	127,814,740	1.16
CT High Grade Partners II, LLC	May-08	Jun-24	664,065,200	574,030,918	108,661,385	48,541,015	759,289,488	807,830,503	1.41
Sculptor RE Credit Parallel Fund B, LP	May-16	Jun-24	100,000,000	122,895,510	16,376,371	3,559,445	146,597,701	150,157,146	1.22
True North Real Estate Fund III, LP	Sep-14	Jun-24	100,000,000	107,739,820	10,000,000	31,731,374	80,892,833	112,624,207	1.05
Equity			5,715,191,304	6,449,547,801	998,529,040	3,594,419,934	6,098,819,854	9,693,239,788	1.50
**Aermont Capital Real Estate Fund IV	Oct-18	Jun-24	111,616,182	90,375,022	21,241,161	73,381,964	0	73,381,964	0.81
Blackstone Property Global - NJ	Oct-15	Jun-24	150,000,000	150,062,776	7,564,402	78,475,171	159,031,290	237,506,461	1.58
Blackstone Property Partners L.P.	Jun-15	Jun-24	50,000,000	50,000,000	0	65,098,350	13,931,026	79,029,376	1.58
Blackstone Real Estate Partners Asia LP	Jun-13	Jun-24	500,000,000	523,096,526	84,851,211	136,187,844	685,749,772	821,937,615	1.57
Blackstone Real Estate V	Feb-06	Jun-24	75,000,000	84,280,641	3,130,539	89,444	163,068,545	163,157,989	1.94
Blackstone Real Estate VI	Feb-07	Jun-24	100,000,000	111,482,790	4,907,906	70,042	224,446,263	224,516,306	2.01
Blackstone Real Estate Partners VI, Sec	Nov-11	Jun-24	43,624,688	42,413,759	2,141,059	30,018	92,551,347	92,581,365	2.18
Blackstone Real Estate VII	Dec-11	Jun-24	300,000,000	390,354,523	22,845,674	44,095,338	599,447,244	643,542,582	1.65
Blackstone Real Estate VIII	Jan-15	Jun-24	100,000,000	118,358,467	12,791,034	65,522,785	125,864,985	191,387,769	1.62
Blackstone TOP Fund - A (RE) L.P.	Jan-15	Jun-24	75,000,000	70,483,500	78,263,265	38,132,028	39,356,649	77,488,676	1.10
Carlyle Realty Partners V LP	Feb-07	Jun-24	100,000,000	127,360,193	0	0	187,264,429	187,264,429	1.47
DivcoWest Fund VI-A, LP	Aug-20	Jun-24	100,000,000	63,532,717	37,262,784	45,955,073	1,632,746	47,587,819	0.75
Exeter Core Industrial Club Fund II, L.P.	Aug-16	Jun-24	100,000,000	97,845,545	2,605,263	182,428,235	57,437,368	239,865,604	2.45
Exeter Industrial Core Fund III, LP	Jun-19	Jun-24	100,000,000	98,270,440	1,729,560	103,917,802	18,687,107	122,604,909	1.25
Focus Senior Housing Fund I LP	Apr-17	Jun-24	50,000,000	50,923,558	0	67,596,481	4,129,397	71,725,878	1.41
Hammes Partners II, L.P.	Mar-14	Jun-24	100,000,000	110,675,113	4,768,750	12,027,261	176,775,289	188,802,550	1.71
Hammes Partners III, L.P.	Aug-17	Jun-24	50,000,000	49,236,034	5,530,082	34,817,676	25,082,073	59,899,749	1.22
Heitman America Real Estate Trust, L.P.	Jan-07	Jun-24	100,000,000	108,425,013	0	147,288,588	84,409,721	231,698,309	2.14
IPI Partners II-A, L.P.	Mar-21	Jun-24	150,000,000	138,013,483	13,245,448	181,355,271	1,100,138	182,455,409	1.32
KSL Capital Partners IV-A, L.P.	Jul-15	Jun-24	100,000,000	117,920,969	21,683,269	104,445,772	94,608,361	199,054,133	1.69
KSL Capital Partners V, L.P.	Feb-19	Jun-24	100,000,000	116,220,170	17,495,692	105,009,987	46,073,316	151,083,304	1.30
Lone Star Real Estate Fund II (U.S.) LP	May-11	Jun-24	100,000,000	87,543,226	0	135,746	137,192,625	137,328,371	1.57
**MARK European Retail Partners II, LP.	Jul-14	Jun-24	59,005,347	60,487,688	479,630	3,667,339	9,769,504	13,436,844	0.22
Northwood Real Estate Co-Invest	Dec-12	Jun-24	75,000,000	95,543,649	12,995,008	71,911,472	48,430,817	120,342,289	1.26
Northwood RE Partners L.P., (Series III)	Dec-12	Jun-24	75,000,000	138,038,086	33,102,220	86,537,927	96,556,686	183,094,613	1.33
Northwood RE Partners L.P., (Series IV)	Nov-13	Jun-24	200,000,000	391,611,564	101,229,734	294,737,778	294,115,916	588,853,694	1.50
*Sculptor NJ RE Opportunities, LP	Mar-13	Jul-24	200,000,000	561,092,586	207,004,852	218,879,768	443,278,737	662,158,505	1.18
Sculptor RE Parallel Fund III E, LP	Aug-14	Jun-24	100,000,000	80,517,495	35,400,768	9,634,148	125,191,264	134,825,412	1.67
**Perella Weinberg Real Estate Fund II LP	Jul-13	Jun-24	88,984,595	75,552,226	13,432,368	16,827,440	106,909,073	123,736,512	1.64
**Perella Weinberg Real Estate Fund III LP	Nov-15	Jun-24	102,302,142	79,232,272	23,069,871	30,857,998	193,764,937	224,622,935	2.83
Prime Property Fund	Aug-07	Jun-24 Jun-24	130,000,000	150,000,000	23,009,671	130,410,024	114,084,075	244,494,099	1.63
PRISA II	Jun-07	Jun-24 Jun-24	60,000,000	100,000,000	0	67,932,639	72,324,220	140,256,859	1.40
	Dec-06	Jun-24 Jun-24			0				1.48
PRISA Real Estate Separate Account		Jun-24 Jun-24	265,000,000	300,000,000	0	232,391,592	212,494,514	444,886,106	
**Prologis European Logistics Fund RE Capital Asia Partners III. L.P.	Sep-13	Jun-24 Jun-24	183,329,350	220,793,239		284,994,961	135,155,306	420,150,267	1.90 1.17
,	Aug-12		80,000,000	70,657,212	15,847,536	9,663,157	72,835,072	82,498,229	
RE Capital Asia Partners IV, L.P.	Dec-14	Jun-24	100,000,000	96,116,561	5,359,819	27,827,327	72,729,566	100,556,893	1.05
TGM Apartment Partners	Aug-15	Jun-24	376,329,000	352,753,300	23,575,700	422,377,436	143,160,340	565,537,776	1.60
TPG Real Estate Partners II, L.P.	Sep-15	Jun-24	125,000,000	111,221,845	7,571,341	1,350,727	162,648,707	163,999,434	1.47
TPG Real Estate Partners III, L.P.	May-18	Jun-24	100,000,000	76,207,450	29,231,194	57,303,672	36,796,385	94,100,057	1.23
TPG/NJ (RE) Partnership, LP	Feb-13	Jun-24	225,000,000	169,491,782	83,698,599	41,580,268	196,258,756	237,839,023	1.40
Tucker Development/Acquisition Fund	Oct-07	Jun-24	50,000,000	50,000,000	0	612,012	8,428,750	9,040,762	0.18
Westbrook Real Estate Fund VIII	Feb-08	Jun-24	100,000,000	119,903,255	0	10,057,505	137,912,513	147,970,018	1.23
Westbrook VII	Jan-07	Jun-24	40,000,000	45,101,379	0	3,985,076	45,260,610	49,245,686	1.09
Wheelock Street Real Estate Fund, L.P.	Dec-11	Jun-24	100,000,000	99,323,903	15,904,849	12,492,628	175,826,686	188,319,314	1.90
			4 -						

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

		Look		A		В	С	=(B+C)	=(B+C)/A
	Inception Date	Last Valuation Date	Commitment	Amount Contributed	Unfunded Commitment	Current Market	Total Bloodbased	Total Value	Total Value Multiple
Wheelock Street Real Estate Fund II, L.P.	Apr-14	Jun-24	125,000,000	111,321,633	27,853,490	Value <sub>2</sub> 27,740,225	Total Distributed <sub>3</sub> 174,674,647	202,414,872	1.82
Wheelock Street Real Estate Fund V, L.P	Aug-16	Jun-24	100,000,000	97,706,212	20,714,962	44,585,935	82,373,083	126,959,018	1.30
Real Estate Subtotal		-	6,929,256,504	7,638,662,849	1,177,650,383	3,770,264,787	7,441,563,125	11,211,827,911	1.47
Hedge Funds									
Absolute Return			760,000,000	778,980,038	48,019,962	1,079,034,557	67,000,002	1,146,034,559	1.47
Iguazu Partners, L.P.	Dec-13	Aug-24	150,000,000	125,000,000	25,000,000	233,240,500	0	233,240,500	1.87
Magenta Fund Ltd.	Apr-21	Aug-24	100,000,000	100,000,000	0	113,901,100	0	113,901,100	1.14
Woodley Park NJ, L.P. (FAIR Program)	Oct-17	Jul-24	510,000,000	553,980,038	23,019,962	731,892,957	67,000,002	798,892,959	1.44
Credit			700,000,000	700,000,000	0	233,444,056	691,447,322	924,891,378	1.32
Chatham Fund, LP	Dec-14	Aug-24	300,000,000	300,000,000	0	72,947,713	406,500,000	479,447,713	1.60
GSO Special Situations Fund, L.P.	Feb-12	Jul-24	100,000,000	100,000,000	0	7,551,928	109,380,462	116,932,389	1.17
Solus Opportunities Fund 3, LP	Apr-14	Aug-24	300,000,000	300,000,000	0	152,944,415	175,566,861	328,511,276	1.10
Distressed			350,000,000	352,505,148	0	5,547,258	568,167,338	573,714,596	1.63
Centerbridge Credit Partners	Oct-07	Aug-24	200,000,000	202,493,459	0	2,468,784	316,731,453	319,200,237	1.58
King Street Capital	Feb-07	Aug-24	150,000,000	150,011,689	0	3,078,474	251,435,885	254,514,359	1.70
Event Driven			150,000,000	150,000,000	0	0	346,202,170	346,202,170	2.31
Davidson Kempner Institutional Partners, L.P	Dec-06	Jun-24	150,000,000	150,000,000	0	0	346,202,170	346,202,170	2.31
Fund of Funds			2,050,000,000	2,117,798,376	145,770,983	454,131,405	2,454,181,175	2,908,312,581	1.37
AIMS/NJ Multi-Strategy Portfolio, LLC	Aug-06	Aug-24	550,000,000	550,000,000	25,000,000	366,220,040	603,698,563	969,918,603	1.76
Arden Garden State NJ Fund LP.	Jun-06	Jun-24	500,000,000	500,000,000	0	196,522	557,864,147	558,060,669	1.12
Woodley Park NJ, L.P.	Aug-06	Jul-24	800,000,000	867,798,376	120,770,983	86,067,771	1,097,270,189	1,183,337,960	1.36
Reservoir Strategic Partners Fund, LP	Jul-11	Aug-24	200,000,000	200,000,000	0	1,647,073	195,348,277	196,995,349	0.98
Global Macro			550,000,000	550,000,066	0	239,202,963	449,999,976	689,202,939	1.25
Lynx Common (Bermuda) Ltd.	Mar-11	Aug-24	200,000,000	200,000,000	0	107,738,250	150,000,000	257,738,250	1.29
Winton Futures Fund	Jan-11	Aug-24	350,000,000	350,000,066	0	131,464,713	299,999,976	431,464,689	1.23
Multi-Strategy			950,000,000	850,000,000	100,000,000	493,069,104	802,234,814	1,295,303,919	1.52
Elliott Associates, L.P.	Apr-12	Jun-24	200,000,000	200,000,000	0	302,362,200	100,107,393	402,469,593	2.01
Farallon Capital Inst. Partners, L.P.	Jun-07	Aug-24	150,000,000	150,000,000	0	309,108	171,631,103	171,940,211	1.15
Laurion Capital Ltd.	Jul-15	Aug-24	100,000,000	100,000,000	0	188,584,600	0	188,584,600	1.89
SONJ FAIR, L.P.	Aug-17	Aug-24	500,000,000	400,000,000	100,000,000	1,813,196	530,496,318	532,309,514	1.33
Hedge Fund Subtotal		=	5,510,000,000	5,499,283,629	293,790,944	2,504,429,344	5,379,232,799	7,883,662,142	1.43
Real Assets									
Co-Investments			1,106,000,000	1,845,698,345	280,206,909	908,260,425	1,501,045,442	2,409,305,866	1.31
Aether Real Assets III Surplus, LP	Nov-13	Jun-24	100,000,000	107,342,824	707,611	71,965,004	31,801,622	103,766,626	0.97
Aether Real Assets SONJ Fund, L.P.	Mar-18	Jun-24	135,000,000	78,949,887	63,452,778	81,693,327	8,901,013	90,594,340	1.15
Blackstone TOP Fund - A, L.P.	Jul-12	Jun-24	699,836,310	1,118,421,388	215,541,848	199,705,164	1,114,288,829	1,313,993,992	1.17
BX NJ Co-Invest, L.P.	Aug-12	Jun-24	21,163,690	389,766,623	0	554,507,064	99,135,169	653,642,233	1.68
NJ/HV Resource Opportunities, L.P.	Jun-15	Jun-24	150,000,000	151,217,623	504,672	389,866	246,918,809	247,308,675	1.64

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

		Last		Α		В	С	=(B+C)	=(B+C)/A
	Inception Date	Last Valuation Date	Commitment	Amount Contributed Un	funded Commitment	Current Market Value	Total Distributed	Total Value	Total Value Multiple
Debt			650,000,000	772,078,685	238,896,477	40,863,385	727,068,743	767,932,128	0.99
GSO Energy Partners - A, L.P.	Mar-12	Jun-24	650,000,000	772,078,685	238,896,477	40,863,385	727,068,743	767,932,128	0.99
Equity			1,140,512,990	1,177,768,638	144,625,543	705,561,727	1,082,477,957	1,788,039,684	1.52
Aether Real Assets III, LP	Nov-13	Jun-24	30,000,000	32,217,191	925,881	17,801,761	10,842,195	28,643,956	0.89
Blackstone Energy Partners, L.P.	Mar-12	Jun-24	150,000,000	190,313,378	14,184,874	27,935,225	267,779,586	295,714,812	1.55
Blackstone Energy Partners II, L.P.	May-15	Jun-24	80,000,000	86,496,541	12,001,177	58,424,023	68,726,117	127,150,140	1.47
Brookfield Capital Partners IV, L.P.	May-16	Jun-24	150,000,000	174,655,481	9,112,175	73,477,988	339,161,274	412,639,262	2.36
Brookfield Capital Partners V L.P.	Apr-19	Jun-24	100,000,000	108,422,176	8,917,499	136,722,062	17,797,363	154,519,425	1.43
Hitecvision VII, L.P.	Apr-14	Jun-24	100,000,000	112,149,225	4,831,870	48,937,063	147,290,967	196,228,030	1.75
HitecVision SpringPoint, L.P.	Oct-23	Jun-24	5,512,990	5,512,990	0	19,590	6,379,046	6,398,637	1.16
Homestead Capital USA Farmland Fund III, L.P	Apr-19	Jun-24	100,000,000	105,454,713	2,559,333	105,796,674	10,513,064	116,309,738	1.10
Stonepeak Infrastructure Fund III LP	Nov-17	Jun-24	125,000,000	132,685,277	16,781,514	156,259,171	43,011,537	199,270,708	1.50
Stonepeak Global Renewables Fund LP	Jan-21	Jun-24	100,000,000	43,622,455	58,149,555	38,338,535	14,174,082	52,512,617	1.20
Tenaska Power Fund II, L.P.	Sep-08	Jun-24	100,000,000	92,829,346	13,161,665	361,163	86,043,816	86,404,979	0.93
Warburg Pincus Energy, L.P.	May-14	Jun-24	100,000,000	93,409,865	4,000,000	41,488,471	70,758,910	112,247,381	1.20
Real Assets Subtotal		<u> </u>	2,896,512,990	3,795,545,667	663,728,929	1,654,685,537	3,310,592,142	4,965,277,679	1.31
Grand Total		_	32,031,842,137	35,648,777,524	4,487,432,578	18,216,441,295	37,022,748,031	55,239,189,327	1.55

<sup>1.</sup> Amount Contributed does not include adjustment for portion of total distributions that are recallable. Contributions does include return of unused funded capital.

<sup>2.</sup> Private Equity, Real Estate, and Real Assets represent most recently reported quarterly values from the General Partners, adjusted with cash flows through the end of current reported month-end. Hedge Funds reflect the most recent market values available.

<sup>3.</sup> Total Distributed includes recallable portion of proceeds.

<sup>4. \*</sup>Please note select Sculptor funds are on a one month lag, the commitment will be reflected on the following report.

<sup>5. \*\*</sup>Please note these selected funds have an FX rate of 1.1161 EUR as of 9/30/2024

<sup>6. \*\*\*</sup>Please note these selected funds have an FX rate of 1.3413 GBP as of 9/30/2024

<sup>7.</sup> Common Pension Fund E invests assets of the Judicial Retirement System, the Public Employees' Retirement System, the State Police Retirement System, the Teachers' Pension and Annuity Fund, and Police & Firement System.

#### Alternative Investments - Private Credit, Common Pension Fund E September 30, 2024

				Α		В	С	=(B+C)	=(B+C)/A
	Inception Date	Last Valuation Date	Commitment	Amount Contributed	Unfunded Commitment	Current Market Value <sub>2</sub>	Total Distributed	Total Value	Total Value Multiple
Private Credit									
***Anacap Credit Opportunities II, LP	Dec-11	Jun-24	78,855,518	106,970,420	17,508,064	0	123,695,059	123,695,059	1.16
Blueprint Cap I, LP	May-18	Jul-24	300,000,000	262,565,502	146,202,060	161,556,196	156,793,148	318,349,343	1.21
Cerberus NJ Credit Opportunities Fund, L.P.	Apr-12	Jul-24	300,000,000	464,552,239	47,388,060	542,179,757	276,401,796	818,581,553	1.76
Crayhill NJ Fund, LP	May-17	Jun-24	150,000,000	276,979,964	44,382,838	141,866,652	182,961,775	324,828,427	1.17
GOF II Feeder B, L.P.	Oct-17	Jun-24	100,000,000	90,000,000	18,918,043	94,544,887	51,526,472	146,071,359	1.62
GSO Credit Partners - A, L.P.	Mar-12	Aug-24	600,000,000	475,000,000	0	72,651,060	586,874,253	659,525,313	1.39
Golden Tree Opportunities LP-Class D	Sep-07	Jul-24	250,000,000	245,679,395	500,000	431,336,530	287,271,368	718,607,897	2.92
Knight TAO, L.P.	Oct-14	Jun-24	700,000,000	784,631,887	235,760,754	609,641,565	547,275,182	1,156,916,747	1.47
NJ/TCW Direct Lending LLC	Feb-16	Jun-24	150,000,000	159,489,000	16,399,267	59,787,573	143,797,500	203,585,073	1.28
Blue Owl Capital Technology Finance Corp.	Nov-18	Jun-24	100,000,000	100,991,844	0	102,475,515	27,155,599	129,631,115	1.28
*Sculptor NJ Private Opportunities, LP	Mar-13	Jul-24	500,000,000	1,395,548,793	213,905,257	303,346,781	1,293,812,081	1,597,158,861	1.14
*Sculptor SC, LP	Apr-10	Jul-24	250,000,000	795,953,973	0	646,968,477	1,326,364,826	1,973,333,304	2.48
*Sculptor SC II, LP	Mar-13	Jul-24	650,000,000	1,984,469,087	0	1,109,247,850	1,676,742,035	2,785,989,885	1.40
Sixth Street Opportunities III A LP	Apr-14	Jun-24	100,000,000	55,006,421	12,217,310	15,164,229	67,860,780	83,025,009	1.51
TCW Direct Lending LLC	Mar-15	Jun-24	150,000,000	119,974,031	22,349,115	24,530,734	130,770,138	155,300,871	1.29
Private Credit Subtotal			4,378,855,518	7,317,812,555	775,530,768	4,315,297,804	6,879,302,011	11,194,599,816	1.53

<sup>1.</sup> Amount Contributed does not include adjustment for portion of total distributions that are recallable. Contributions does include return of unused funded capital.

<sup>2.</sup> Total Distributed includes recallable portion of proceeds.

<sup>3. \*</sup>Please note select Sculptor funds are on a one month lag, the commitment will be reflected on the following report.

<sup>4. \*\*\*</sup>Please note these selected funds have an FX rate of 1.3413 GBP as of 9/30/2024

<sup>5.</sup> Common Pension Fund E invests assets of the Judicial Retirement System, the Public Employees' Retirement System, the State Police Retirement System, the Teachers' Pension and Annuity Fund, and Police & Firemen's Retirement System.

#### Alternative Investments - Common Pension Fund A September 30, 2024

				А		В	С	=(B+C)	=(B+C)/A
	Inception Date	Last Valuation Date	Commitment	Amount Contributed	Unfunded Commitment	Current Market Value <sub>2</sub>	Total Distributed <sub>s</sub>	Total Value	Total Value Multiple
Private Equity									
Large Buyout			604,012,560	149,466,544	466,268,537	159,431,955	13,058,473	172,490,428	1.15
**CVC Capital Partners IX	Jun-23		279,012,560	0	279,012,560	0	0	0	0.00
Hellman & Friedman Capital Partners X, L.P.	May-21	Jun-24	125,000,000	100,836,330	34,814,764	106,308,327	12,879,341	119,187,668	1.18
Silver Lake Partners VII, L.P. Vista Equity Partners Fund VIII, L.P.	Apr-24 Oct-23	Jun-24 Jun-24	100,000,000 100,000,000	20,858,905 27,771,309	79,602,433 72,838,780	22,426,044 30,697,584	9,574 169,558	22,435,618 30,867,142	1.08 1.11
Domestic Midmarket Buyout			500,000,000	174,734,541	338,579,013	189,092,134	20,147,298	209,239,431	1.20
American Industrial Partners Capital Fund VIII, L.P.	May-23	Jun-24	150,000,000	46,491,308	105,025,507	44,128,992	1,516,815	45,645,807	0.98
Excellere Capital Fund IV, L.P.	Oct-21	Jun-24	100,000,000	46,041,539	53,958,461	61,724,806	0	61,724,806	1.34
TPG Rise Climate, L.P.	Apr-22	Jun-24	150,000,000	82,201,694	79,595,045	83,238,335	18,630,483	101,868,818	1.24
Bain Capital Life Sciences Fund IV. L.P.	Aug-24		100,000,000	0	100,000,000	0	0	0	0.00
Small Midsize Buyout Altaris Health Partners VI L.P.	Dec-23		<b>250,000,000</b> 150,000,000	<b>0</b> 0	<b>250,000,000</b> 150,000,000	<b>0</b>	<b>0</b> 0	<b>0</b> 0	<b>0.00</b> 0.00
Tenex Capital Partners IV, L.P.	Aug-24		100,000,000	0	100,000,000	0		0	0.00
Tellex Capital Faithers IV, L.F.	Aug-24		100,000,000	O	100,000,000	Ü	Ü	Ü	0.00
Mezzanine Debt			216,418,917	123,180,945	104,669,575	136,682,660	10,761,044	147,443,704	1.20
**ICG Europe VIII	Jul-22	Jun-24	216,418,917	123,180,945	104,669,575	136,682,660	10,761,044	147,443,704	1.20
Co Investments			486,101,767	78,722,713	407,379,895	85,816,471	0	85,816,471	1.09
**ICG Global Co-Investment E SCSp	Oct-22	Jun-24	111,101,767	15,952,420	95,150,188	17,756,019	0	17,756,019	1.11
Vista Co-Invest Fund 2023-4, L.P.	Oct-23	Jun-24	100,000,000	39,169,534	60,830,466	44,459,693	0	44,459,693	1.14
SONJ Private Opportunities Fund III, L.P.	May-24	Juli-24	250,000,000	18,575,958	231,424,042	18,575,958	0	18,575,958	1.00
• •							0		1.00
NJ Tenex Co-Invest Fund 2024-25, L.P.	Aug-24		25,000,000	5,024,801	19,975,199	5,024,801	0	5,024,801	1.00
Emerging Managers			450,000,000	47,254,988	402,745,012	43,276,020	0	43,276,020	0.92
Barings NJ Emerging MP	Jul-23	Jun-24	250,000,000	34,009,901	215,990,099	32,129,153	0	32,129,153	0.94
NJ High Point VC Fund, L.P.	May-23	Jun-24	200,000,000	13,245,087	186,754,913	11,146,867	0	11,146,867	0.84
Venture Capital			550,000,000	75,368,226	474,631,774	76,453,473	0	76,453,473	1.01
Institutional Venture Partners XVIII, L.P.	Jan-24	Jun-24	100,000,000	2,000,000	98,000,000	2,000,000	0	2,000,000	1.00
Khosla Ventures Seed F, L.P.	May-23	Jun-24	20,000,000	8,100,000	11,900,000	9,054,561	0	9,054,561	1.12
Khosla Ventures VIII, L.P.	May-23	Jun-24	80,000,000	30,800,000	49,200,000	30,912,389	0	30,912,389	1.00
Khosla Ventures Opportunity II, L.P.	May-23	Jun-24	100,000,000	28,500,000	71,500,000	28,518,297	0	28,518,297	1.00
Tiger Iron Garden Fund. L.P.	Feb-24	3un-24	250,000,000	5,968,226	244,031,774	5,968,226	0	5,968,226	1.00
						_		_	
Equity			100,000,000	0	100,000,000	0	0	0	0.00
PSG VI L.P.	Jul-24		100,000,000	0	100,000,000	0	0	0	0.00
International			600,000,000	1,682,296	598,317,704	720,115	0	720,115	0.43
New Jersey Asia Investors Evergreen, LP	Oct-23	Jun-24	600,000,000	1,682,296	598,317,704	720,115	0	720,115	0.43
Private Equity Subtotal			3,756,533,244	650,410,253	3,142,591,510	691,472,827	43,966,815	735,439,642	1.13
Real Assets									
			E0E 000 000	200 146 424	224 206 442	442 E74 700	0.702.500	402 27E 200	4.45
Equity	l 00	l 04	585,000,000	369,116,424	224,306,112	413,571,798	9,703,589	423,275,388	1.15
Brookfield Global Transition Fund -B	Jun-22	Jun-24	300,000,000	164,315,605	143,365,586	173,452,208	7,681,191	181,133,399	1.10
EQT Infrastructure V	Oct-21	Jun-24	160,000,000	133,924,019	26,235,200	164,847,843	803,768	165,651,611	1.24
Stonepeak Infrastructure Fund IV LP	Nov-21	Jun-24	125,000,000	70,876,801	54,705,326	75,271,748	1,218,630	76,490,378	1.08
Co Investments			375,000,000	121,448,531	253,809,552	139,272,728	204,313	139,477,041	1.15
			10						

#### Alternative Investments - Common Pension Fund A September 30, 2024

				А		В	С	=(B+C)	=(B+C)/A
	Inception Date	Last Valuation Date	Commitment	Amount Contributed	Unfunded Commitment	Current Market	otal Distributed	Total Value	Total Value Multiple
BGTF Co-Invest (N) L.P.	Jun-22	Jun-24	300,000,000	100,000,000	200,204,313	117,877,967	204,313	118,082,280	1.18
Stonepeak CPF Investment Partners, LP	Apr-23		75,000,000	21,448,531	53,605,239	21,394,761	0	21,394,761	1.00
Real Assets Subtotal		- -	960,000,000	490,564,955	478,115,664	552,844,527	9,907,902	562,752,429	1.15
Hedge Funds									
Absolute Return			300,000,000	300,000,000	0	291,855,600	0	291,855,600	0.97
Graham Custom Investment Funds I SPC Ltd	Jul-24	Aug-24	300,000,000	300,000,000	0	291,855,600	0	291,855,600	0.97
Hedge Fund Subtotal		- -	300,000,000	300,000,000	0	291,855,600	0	291,855,600	0.97
Real Estate									
Equity			865,000,000	209,668,923	658,911,561	198,786,278	708,872	199,495,151	0.95
Cerberus Institutional Real Estate VI	Jan-24	Jun-24	350,000,000	122,651,329	229,978,847	117,220,339	0	117,220,339	0.96
Hammes Partners IV	Mar-22	Jun-24	65,000,000	9,413,098	55,586,902	7,031,546	648,553	7,680,099	0.82
TGM Apartment Partners II	Jan-23		300,000,000	0	300,000,000	0	0	0	0.00
TPG Real Estate Thematic Advantage Core Plus JV (III) L.P.	Jan-22	Jun-24	150,000,000	77,604,496	73,345,812	74,534,393	60,319	74,594,712	0.96
Emerging Managers			250,000,000	16,226,481	233,773,519	16,163,847	0	16,163,847	1.00
GCM Grosvenor NJ RE Emerging Manager Program, LP	Dec-23	Jun-24	250,000,000	16,226,481	233,773,519	16,163,847	0	16,163,847	1.00
Real Estate Subtotal		=	1,115,000,000	225,895,404	892,685,080	214,950,126	708,872	215,658,998	0.95
Private Credit									
Debt			550,000,000	7,213,373	542,786,627	7,150,516	0	7,150,516	0.99
HPS Garden Private Credit Fund, L.P.	Feb-24	Jun-24	550,000,000	7,213,373	542,786,627	7,150,516	0	7,150,516	0.99
Distressed			150,000,000	60,228,127	90,000,000	71,582,520	43,718	71,626,238	1.19
GOF III Feeder B, L.P.	Jun-23	Jun-24	150,000,000	60,228,127	90,000,000	71,582,520	43,718	71,626,238	1.19
Private Lending			2,658,862,300	1,721,397,791	1,155,669,693	1,539,670,532	405,873,656	1,945,544,188	1.13
**CVC Credit Partners EU DL II Co-Invest Fund	May-21	Jun-24	115,777,300	112,025,962	20,998,375	58,466,010	66,880,960	125,346,970	1.12
CVC Credit Partners EU DL III	Dec-21	Jun-24	168,890,000	182,875,847	54,002,814	126,573,396	81,433,823	208,007,219	1.14
CVC Credit Partners EU DL III Co-Invest SCSp	Jul-22	Jun-24	168,890,000	200,850,329	51,299,640	131,280,465	97,605,723	228,886,189	1.14
Eagle Point Defensive Income Fund NJ LP	Dec-21	Jun-24	120,000,000	120,000,000	0	143,081,880	0	143,081,880	1.19
Eagle Point Defensive Income Fund US LP	Sep-21	Jun-24	55,305,000	54,639,642	1,548,540	51,622,534	14,161,124	65,783,657	1.20
Blue Owl Diversified Holdings LLC	Aug-22	Jun-24	0	4,226,458	0	17,207,706	1,420,390	18,628,096	4.41
Blue Owl Diversified Lending 2020 Fund LP	Aug-22	Jun-24	350,000,000	269,462,044	119,000,000	234,056,361	73,324,390	307,380,751	1.14
Sixth Street Mid-Stage Growth Partners (A) LP	Oct-22	Jun-24	50,000,000	10,894,919	40,458,919	10,331,212	1,353,868	11,685,080	1.07
Sixth Street Growth Partners II (A) LP	Oct-22	Jun-24	130,000,000	50,413,393	79,774,294	54,122,427	0	54,122,427	1.07
West Street NJ Private Credit Partners	Dec-22	Jun-24	500,000,000	376,009,199	128,587,112	370,186,782	47,774,889	417,961,671	1.11
West Street/NJ BSL Credit Partnership LP	May-23	Jul-24	1,000,000,000	340,000,000	660,000,000	342,741,760	21,918,488	364,660,248	1.07
Private Credit Subtotal		=	3,358,862,300	1,788,839,292	1,788,456,320	1,618,403,568	405,917,373	2,024,320,942	1.13
Grand Total		-	9,490,395,544	3,455,709,904	6,301,848,573	3,369,526,648	460,500,962	3,830,027,610	1.11
		=							

<sup>1.</sup> Amount Contributed does not include adjustment for portion of total distributions that are recallable. Contributions does include return of unused funded capital.

#### Alternative Investments - Common Pension Fund A September 30, 2024

			Α		В	С	=(B+C)	=(B+C)/A
	Last Valuation		Amount	Unfunded	Current Market			Total Value
Inception Date	Date	Commitment	Contributed	Commitment	Value <sub>2</sub> Total Di	istributed	Total Value	Multiple

- 2. Private Equity, Real Estate, and Real Assets represent most recently reported quarterly values from the General Partners, adjusted with cash flows through the end of current reported month-end.
- 3. Total Distributed includes recallable portion of proceeds.
- 4. \*\*Please note these selected funds have an FX rate of 1.1161 EUR as of 9/30/2024
- 5. Common Pension Fund A invests assets of the Judicial Retirement System, the Public Employees' Retirement System, the State Police Retirement System, and the Teachers' Pension and Annuity Fund.

### New Jersey Division of Investment Transfers between Common and Pension Funds September, 2024

	Contributions to Commo	n Funds from Pension	on Funds for the Mont	h
Date	Withdrawal Amount	From Pension Fund(s)	Contribution Amount	To Common Fund(s)
		Not Applicable		
	\$ -		\$ -	- =
	Withdrawals from Comr	non Funds to Pensio	n Funds for the Month	1
Date	Withdrawal Amount	From Common Fund(s)	Contribution Amount	To Pension Fund(s)
9/9/2024	\$ 84,000,000	L	\$ 65,335,200 17,656,800 1,008,000	TPA PERS P&F
	\$ 84,000,000		\$ 84,000,000	- ' GI
	Transfers between Co	ommon and Pension	Funds, Summarized	
Septem	ber, 2024		Fiscal Year	-to-Date 2025
Pension Fund	Net Amount Into (Out of) Pension Funds		Pension Fund	Net Amount Into (Out of) Pension Funds
JRS P&F PERS SPRS	\$ - 1,008,000 17,656,800		JRS P&F PERS SPRS	\$ (540,00 2,880,00 (58,192,00 (6,860,00
TPA	65,335,200 \$ 84,000,000		TPA	102,712,00 \$ 40,000,00
The 1st Quart	er, FY25 Appropriation F	Payment was distribu	ted on 9/26/2024 for \$	S1,509,036,750
_1st Qtr A	Appropriation Payment S: \$ 17,585,500 F: 159,318,250 S: 427,989,000	•	Year-to-Date 2025 : \$ 17,585,500 : 159,318,250 : 427,989,000	-

The MSCI data is comprised of a custom index calculated by MSCI for, and as requested by the New Jersey Division of Investment. The MSCI data is for internal use only and may not be redistributed or used in connection with creating or offering any securities, financial products or indices. Neither MSCI nor any other third party involved in or related to compiling computing or creating the MSCI data (the "MSCI Parties") makes any express or implied warranties or representations with respect to such data (or the results to be obtained by the use thereof), and the MSCI Parties hereby expressly disclaim all warranties of originality, accuracy, completeness, merchantability or fitness for a particular purpose with respect to such data. Without limiting any of the foregoing, in no event shall any of the MSCI Parties have any liability for any direct, indirect, special, punitive, consequential or any other damages (including lost profits) even if notified of the possibility of such damages. This report was prepared for you by State Street Bank and Trust Company (or its affiliates, "State Street") utilizing scenarios, assumptions and reporting formats as mutually agreed between you and State Street and information or data provided by State Street's third party data sources ("Suppliers"). While reasonable efforts have been made to ensure the accuracy of the information contained in this report, there is no guarantee, representation or warranty, express or implied, as to its accuracy or completeness. This information is provided "as is" and State Street and its Suppliers disclaim any and all liability and makes no guarantee, representation, or warranty with respect to your use of or reliance upon this information in making any decisions or taking (or not taking) any actions. Neither State Street nor its Suppliers verify the accuracy or completeness of any data, including data provided by State Street for other purposes, or data provided by you or third parties. You should independently review the report (including, without limitation, the assumptions, market data, securities prices, securities valuations, tests and calculations used in the report), and determine that the report is suitable for your purposes. State Street provides products and services to professional and institutional clients, which are not directed at retail clients. This report is for informational purposes only and it does not constitute investment research or investment, legal or tax advice, and it is not an offer or solicitation to buy or sell any product, service, or securities or any financial instrument, and it does not transfer rights of any kind (except the limited use and redistribution rights described below) or constitute any binding contractual arrangement or commitment of any kind. You may use this report for your internal business purposes and, if such report contains any data provided by Suppliers, including, but not limited to, market or index data, you may not redistribute this report, or an excerpted portion thereof, to any third party, including, without limitation, your investment managers, investment advisers, agents, clients, investors or participants, whether or not they have a relationship with you or have a reasonable interest in the report, without the prior written consent of each such third party data source. You are solely responsible and liable for any and all use of this report.