# **NEW JERSEY DIVISION OF INVESTMENT**

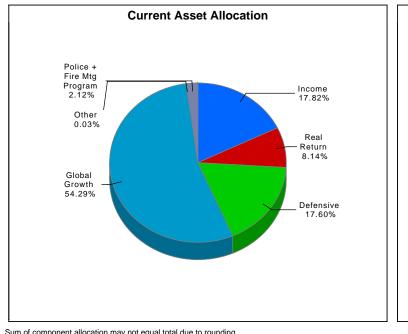
# **INVESTMENT REPORTING PACKAGE**

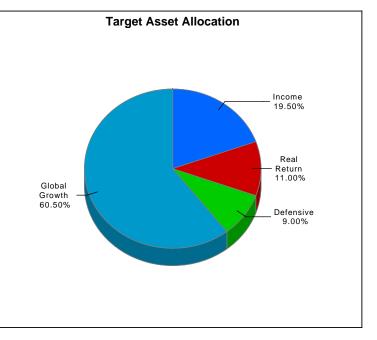
Period Ending October 31, 2023

"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 October 31, 2023

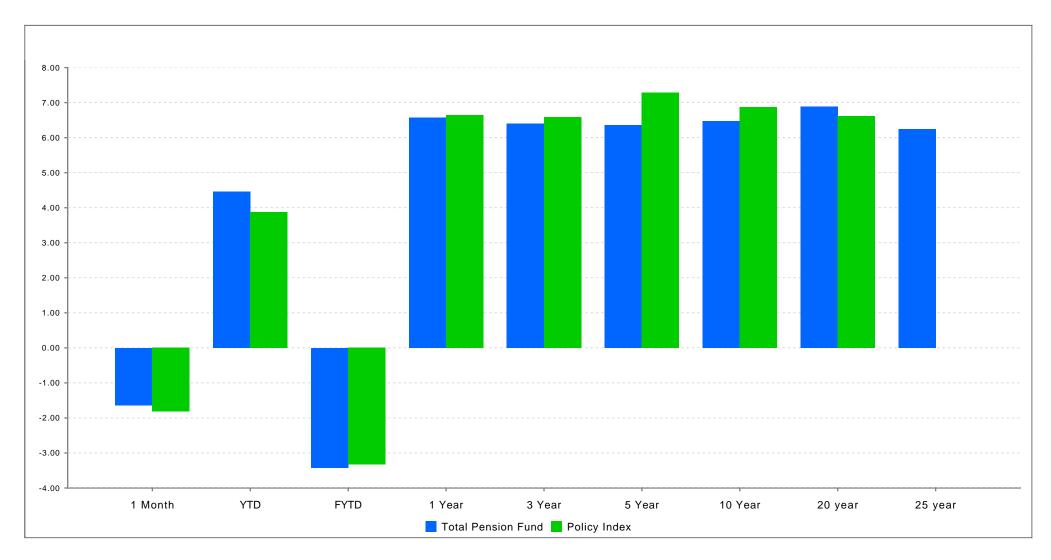
	Actual Allocation %	Target %	Allocation (in millions \$)
U.S. Equity	25.78	28.00	23,039.96
Int'I DM Equity Composite	11.23	12.75	10,037.38
Int'I SC Equity Composite	1.12	1.25	999.47
EM Equity Composite	3.93	5.50	3,515.51
Equity Oriented Hedge Funds	0.00	0.00	0.62
Private Equity	12.22	13.00	10,921.08
Global Growth	54.29	60.50	48,514.03
Real Estate	5.69	8.00	5,084.70
Real Assets	2.45	3.00	2,191.35
Real Return	8.14	11.00	7,276.04
High Yield Composite	3.61	4.50	3,223.89
Private Credit	7.56	8.00	6,758.40
Investment Grade Credit Composite	6.65	7.00	5,939.70
Income	17.82	19.50	15,922.00
Cash Equivalents <sup>1</sup>	10.37	2.00	9,268.22
U.S. Treasuries	4.20	4.00	3,756.88
Risk Mitigation Strategies	3.03	3.00	2,706.40
Defensive	17.60	9.00	15,731.50
Other	0.03	0.00	26.06
Police & Fire Retire Sys Mort Program	2.12		1,894.23
Total Pension Fund	100.00	100.00	89,363.86





Sum of component allocation may not equal total due to rounding 1 The cash aggregate currently comprises three Common Pension Fund cash accounts, in addition to the seven plan cash accounts.

# NJ Division of Investment Performance vs Policy Benchmark Periods Ending October 31, 2023 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 <sup>1</sup>	-1.64	4.46	-3.42	6.57	6.40	6.36	6.47	6.88	6.24
Policy Index <sup>2</sup>	-1.82	3.88	-3.33	6.64	6.59	7.28	6.87	6.61	

# NJ Division of Investment Pension Fund Asset Class Returns vs Benchmarks Periods Ending October 31, 2023 Returns are Net of All Fees

					Annualized	
	1 Month	YTD	FYTD	1 Year	3 Year	5 Year
U.S. Equity	(2.66)	9.57	(5.79)	8.62	9.35	10.07
Custom US Policy Benchmark	(2.67)	9.58	(5.82)	8.59	9.36	10.42
Int'I DM Equity Composite	(4.00)	2.83	(7.83)	13.24	6.40	4.71
Custom EAFE + Canada Benchmark <sup>1</sup>	(4.17)	2.35	(8.03)	12.60	5.95	4.23
Int'I SC Equity Composite	(6.58)	(5.11)	(11.02)	2.33	(2.49)	2.39
Custom ACWI ex USA Small Cap Benchmark	(5.59)	(0.85)	(7.21)	8.80	2.94	3.53
EM Equity Composite	(3.41)	0.45	(6.54)	13.58	(1.60)	2.77
Custom EM Benchmark <sup>1</sup>	(3.85)	(2.29)	(6.74)	10.64	(3.82)	1.67
Equity Oriented Hedge Funds	0.34	(2.13)	(4.53)	0.16	(30.63)	(20.79)
50 HFRI EH 50 HFRI ED ACTIVIST (1Month Lag)	(3.13)	3.83	1.98	11.69	6.56	4.50
Private Equity	(0.19)	5.03	(0.63)	5.19	17.53	12.44
Custom Cambridge Blend	0.00	7.83	2.21	6.08	19.14	15.06
Global Growth	(2.55)	6.05	(5.29)	9.02	8.95	8.60
Global Growth Policy Benchmark	(2.56)	6.67	(4.76)	9.61	9.89	9.86
Real Estate	(1.32)	(4.13)	(2.92)	(4.25)	7.89	5.86
Real Estate Index <sup>2</sup>	0.00	(11.01)	(2.88)	(10.73)	7.04	5.56
Real Assets	(0.00)	2.20	(0.41)	2.01	15.53	4.66
Custom Cambridge Blend for Real Assets <sup>2</sup>	0.00	5.31	1.17	6.55	17.79	5.51
Real Return	(0.93)	(2.28)	(2.17)	(2.42)	10.02	5.44
Real Return Policy Benchmark <sup>2</sup>	0.00	(6.29)	(1.67)	(5.76)	10.23	5.94
High Yield Composite	(1.15)	4.31	(0.85)	6.04	1.23	2.86
Custom High Yield Benchmark	(1.17)	4.63	(0.72)	6.23	1.19	3.04
Private Credit	(0.04)	9.78	1.72	9.42	10.33	6.80
Bloomberg US Corp HY 1M lag +100bps	(1.10)	6.07	2.48	11.37	2.77	3.99
Investment Grade Credit Composite	(1.73)	(2.08)	(4.82)	1.78	(5.86)	0.47
Custom Investment Grade Credit Benchmark	(1.70)	(2.08)	(4.75)	1.98	(5.65)	0.43
Income	(0.90)	4.00	(1.32)	5.82	1.49	3.31
Income Policy Benchmark	(1.33)	1.92	(1.45)	6.21	(1.54)	2.30

Custom index calculated by MSCI based on screening criteria defined by New Jersey Division of Investment. Please see disclosure on page 22.
 Real Return, Real Assets and Real Estate Benchmarks are only reported on a quarterly basis, non quarter-end months are reported as 0%
 The cash aggregate currently comprises three Common Pension Fund cash accounts, in addition to the seven plan cash accounts.
 Returns Exclude Police & Fire Mortgage Program

# NJ Division of Investment Pension Fund Asset Class Returns vs Benchmarks Periods Ending October 31, 2023 Returns are Net of All Fees

					Annualized			
	1 Month	YTD	FYTD	1 Year	3 Year	5 Year		
Cash Equivalents <sup>3</sup>	0.46	4.27	1.83	4.95	2.05	2.08		
ICE BofA US 3-Month Treasury Bill	0.45	4.06	1.77	4.77	1.85	1.77		
U.S. Treasuries	(1.13)	(2.39)	(3.98)	(0.21)	(5.72)	(0.18)		
Custom Government Benchmark	(1.21)	(2.71)	(4.23)	(0.63)	(5.92)	(0.21)		
Risk Mitigation Strategies	1.86	6.14	3.66	6.18	7.55	6.25		
T-Bill + 300 BP	0.71	6.67	2.80	7.94	4.94	4.86		
Defensive	0.31	2.87	0.58	3.77	0.50	2.01		
Liquidity Policy Benchmark	(0.20)	1.96	(0.41)	3.36	(0.51)	1.55		
Total Pension Fund ⁴	(1.64)	4.46	(3.42)	6.57	6.40	6.36		
Policy Index	(1.82)	3.88	(3.33)	6.64	6.59	7.28		

Custom index calculated by MSCI based on screening criteria defined by New Jersey Division of Investment. Please see disclosure on page 22.
 Real Return, Real Assets and Real Estate Benchmarks are only reported on a quarterly basis, non quarter-end months are reported as 0%
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 Returns Exclude Police & Fire Mortgage Program

#### NJ Division of Investment U.S. Equity As of October 31, 2023

#### Top Holdings\* U.S. Equity

Security Name	% of Portfolio
APPLE INC	6.61
MICROSOFT CORP	5.88
AMAZON.COM INC	3.03
NVIDIA CORP	2.48
ALPHABET INC CL A	1.81
META PLATFORMS INC CLASS A	1.64
ALPHABET INC CL C	1.63
TESLA INC	1.41
UNITEDHEALTH GROUP INC	1.23
ELI LILLY + CO	1.10

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



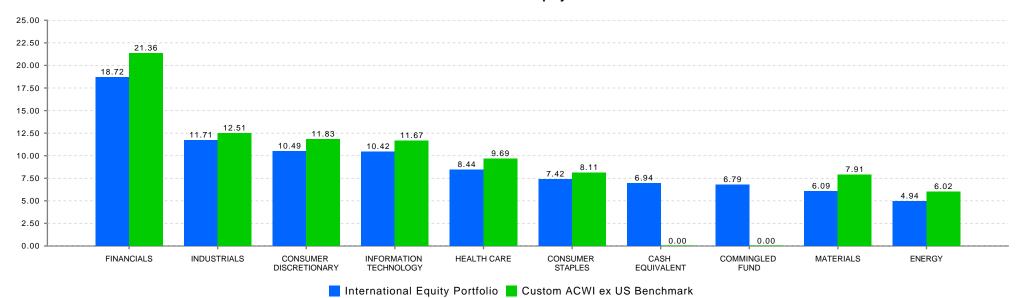
#### \*Holdings include accruals \*\*Index sector weightings reflect the calculations of State Street and may differ from those of MSCI.

#### NJ Division of Investment International Equity As of October 31, 2023

#### Top Holdings\* International Equity

Security Name	% of Portfolio
ISHARES CORE MSCI EAFE ETF	4.07
ISHARES MSCI EAFE SMALL CAP ET	1.95
NOVO NORDISK A/S B	1.30
TAIWAN SEMICONDUCTOR SP ADR	1.25
NESTLE SA REG	1.20
ASML HOLDING NV	0.99
SHELL PLC	0.89
NOVARTIS AG REG	0.81
LVMH MOET HENNESSY LOUIS VUI	0.80
ASTRAZENECA PLC	0.79

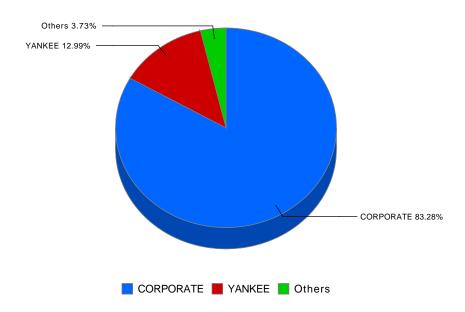
#### Select Portfolio Sector Weightings International Equity



# NJ Division of Investment Fixed Income Composite As of October 31, 2023

Fixed Income Composite Top Holdings*							
Security Name	Coupon %	Maturity Date	% of Portfolio				
US TREASURY N/B	0.50	10/31/2027	1.83				
US TREASURY N/B	0.88	06/30/2026	1.64				
US TREASURY N/B	1.88	02/15/2032	1.58				
US TREASURY N/B	2.25	11/15/2027	1.38				
US TREASURY N/B	0.38	01/31/2026	1.36				
US TREASURY N/B	1.50	02/15/2030	1.33				
US TREASURY N/B	1.25	05/15/2050	1.24				
US TREASURY N/B	1.63	02/15/2026	1.21				
US TREASURY N/B	1.50	10/31/2024	1.04				
US TREASURY N/B	0.63	08/15/2030	1.01				

#### Select Portfolio Sector Weights



#### State Investment Council Regulation Violations and Other Reportable Matters October 31, 2023

Newly Reported Violations							
Date of Violation	Regulation Violated	Description of Violation	Date Corrected				

Status 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 International Equity Exposure by Country As of October 31, 2023

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	22.7	0.2%	0.1%	22.7	EM - Europe/Middle East/A	Africa			
Belgium	101.5	0.8%	0.6%	101.5	Belarus	10.5	0.1%	0.0%	10.5
Finland	86.7	0.6%	0.6%	86.7	Czech Republic	0.0	0.0%	0.0%	0.0
France	1,119.3	8.3%	7.8%	1,119.3	Egypt	2.9	0.0%	0.0%	2.9
Germany	738.5	5.5%	4.8%	738.5	Greece	11.2	0.1%	0.1%	11.2
Ireland	75.1	0.6%	0.4%	75.1	Hungary	42.0	0.3%	0.1%	42.0
Italy	289.7	2.2%	1.7%	289.7	Kuwait	0.0	0.0%	0.2%	0.0
Netherlands	463.7	3.5%	2.9%	463.7	Poland	9.5	0.1%	0.3%	9.5
Portugal	36.2	0.3%	0.1%	36.2	Qatar	1.6	0.0%	0.3%	1.6
Spain	248.9	1.9%	1.7%	248.9	Saudi Arabia	7.1	0.1%	1.2%	7.1
Developed - Non-Euro					South Africa	122.0	0.9%	0.9%	122.0
Australia	733.3	5.5%	4.7%	733.3	Turkey	11.2	0.1%	0.2%	11.2
Canada	1,063.9	7.9%	7.5%	1,063.9	United Arab Emirates	18.4	0.1%	0.4%	18.4
Denmark	329.8	2.5%	2.2%	329.8	EM - Latam				
Hong Kong	255.9	1.9%	1.5%	255.9	Argentina	31.8	0.2%	0.0%	31.8
Israel	87.4	0.7%	0.4%	87.4	Brazil	289.2	2.2%	1.6%	289.2
Japan	2,335.1	17.4%	14.8%	2,335.1	Chile	6.8	0.1%	0.1%	6.8
New Zealand	20.3	0.2%	0.1%	20.3	Colombia	0.0	0.0%	0.0%	0.0
Norway	69.6	0.5%	0.4%	69.6	Mexico	111.0	0.8%	0.7%	111.0
Singapore	139.3	1.0%	0.9%	139.3	Panama	1.5	0.0%	0.0%	1.5
Sweden	314.8	2.3%	2.0%	314.8	Peru	29.3	0.2%	0.1%	29.3
Switzerland	919.2	6.8%	6.4%	919.2	EM - Asia ex Japan				
United Kingdom	1,462.5	10.9%	9.4%	1,462.5	China	710.2	5.3%	8.5%	710.2
					India	257.0	1.9%	4.6%	257.0
					Indonesia	95.2	0.7%	0.6%	95.2
					Korea	327.7	2.4%	3.4%	327.7
					Malaysia	0.0	0.0%	0.4%	0.0
					Philippines	0.0	0.0%	0.2%	0.0

Taiwan

Thailand

367.0

44.1

2.7%

0.3%

367.0

44.1

4.4%

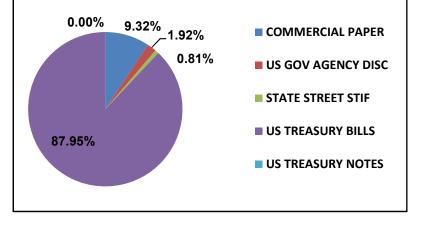
0.5%

# New Jersey Division of Investment Cash Management Fund October 31, 2023

# PARTICIPATION VALUE PERCENTAGE STATE \$ 34,244,102,228 89.21% NON-STATE 4,142,249,487 10.79% TOTAL \$ 38,386,351,714 100.00%

## PORTFOLIO RETURNS

	STATE	NON-STATE	AVG.DAYS
10/31/2023	5.40%	5.34%	59
1 Month	5.38%	5.32%	
Fiscal YTD	5.28%	5.22%	
1 Year	4.71%	4.65%	



#### PORTFOLIO HOLDINGS

	10/31/2023	PERCENTAGE
US TREASURY BILLS	\$ 34,111,825,083	87.95%
COMMERCIAL PAPER	3,613,318,412	9.32%
US GOV AGENCY DISC	744,985,736	1.92%
STATE STREET STIF	314,889,795	0.81%
US TREASURY NOTES	-	0.00%
TOTAL	\$ 38,785,019,026	100.00%

#### Alternative Investments – Common Pension Fund E October 31, 2023

				А		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
Private Equity									
Co Investments			2,430,669,932	2,409,540,749	478,504,111	2,063,603,491	2,456,809,948	4,520,413,439	1.88
**ABF VII New Jersey S.L.P.	Jul-20	Jun-23	55,669,932	53,031,567	2,638,365	51,444,670	0	51,444,670	0.97
BX NJ Co-Invest (PE) L.P.	Apr-19 Apr-12	Jun-23	50,000,000	50,084,055	0	50,076	85,303,518	85,353,594 479,428,242	1.70 2.44
NB/NJ Custom Investment Fund II NB/NJ Custom Investment Fund III, LP	Apr-12	Jun-23	200,000,000 550,000,000	196,235,600 449,388,119	6,964,400 192,837,881	68,532,755 489,385,698	410,895,487 95,226,000	479,428,242 584,611,698	2.44
NB/NJ Custom Investment Fund III, LP	Apr-18	Jun-23	200,000,000	183,333,663	108,892,337	222,980,583	95,226,000	318,206,583	1.30
NB/NJ Custom Investment Fund III, LP Tranche B	Jul-21	Jun-23	350,000,000	266,054,456	83,945,544	266,405,116	0	266,405,116	1.00
NJ Roark Co-Invest Fund III LLC	Jan-14	Jun-23	75,000,000	15,102,418	59,897,582	19,392,071	12,575,294	31,967,365	2.12
SONJ Private Opportunities Fund II, L.P.	Nov-07	Jun-23	1,300,000,000	1,445,542,621	216,165,883	1,251,367,072	1,688,052,562	2,939,419,634	2.03
Vista Co-Invest Fund 2017-3, L.P.	Nov-17	Jun-23	200,000,000	200,156,369	0	183,431,148	164,757,087	348,188,235	1.74
Distressed Debt			1,855,000,000	1,781,190,221	432,233,509	954,372,636	1,868,306,544	2,822,679,181	1.58
BSP Special Situations Fund L.P.	Jan-17 Nov-15	Jun-23	150,000,000	129,962,000	57,298,688	53,135,311	132,752,997	185,888,308	1.43 1.13
Catalyst Fund V, L.P. Centerbridge Capital Partners II, L.P.	May-15	Sep-23 Jun-23	100,000,000 100,000,000	104,194,543 154,258,195	37,274,953 3,000,283	61,290,337 9,358,219	56,599,058 116,154,217	117,889,395 125,512,436	0.81
Centerbridge Capital Partners, L.P.	Jun-06	Jun-23	80.000.000	126,173,707	5,293,352	3,181,761	222,153,726	225,335,487	1.79
Chatham Asset Private Debt and Strategic Capital Fund	Nov-17	Sep-23	200,000,000	200,000,000	0	412,035,652	12,000,000	424,035,652	2.12
Golden Tree NJ Distressed Fund 2015		·	300,000,000	237,875,000	126,222,345	106,994,305	311,143,882	418,138,188	1.76
GoldenTree NJ Distressed Fund 2015 GP LLC	Feb-16	Sep-23	200,000,000	205,500,000	57,547,345	87,053,002	289,881,382	376,934,384	1.83
GoldenTree NJ Distressed Fund 2015 GP LLC - Second Vintage	Jan-20	Sep-23	100,000,000	32,375,000	68,675,000	19,941,303	21,262,500	41,203,803	1.27
HIG Bayside Debt & LBO II KPS Special Situations Fund III, LP	May-08 May-07	Jun-23 Jun-23	100,000,000 25,000,000	102,700,001 24,943,685	20,556,588 11,618,357	7,156,106 0	170,053,942 51,249,584	177,210,048 51,249,584	1.73 2.05
KPS Special Situations Fund IV, LP	Apr-13	Jun-23	200,000,000	177,208,570	30,153,311	87,441,194	281,781,167	369,222,361	2.05
MatlinPatterson Global Opps. Ptnrs. III	Jun-07	Sep-23	100,000,000	105,422,748	2,292,407	0,441,104	132,279,689	132,279,689	1.25
MHR Institutional Partners III, L.P.	May-07	Aug-23	75,000,000	79,564,286	26,089,693	15,024,155	97,513,000	112,537,155	1.23
MHR Institutional Partners IV. L.P.	Jul-14	Aug-23 Aug-23	100,000,000	115,450,823	15,647,367	125,401,117	39,100,893	164,502,010	1.41
		•							1.42
Strategic Value Special Situations Fund V, L.P.	Apr-21	Jun-23	125,000,000	61,863,026	63,136,974	72,405,847	16,092	72,421,939	
Sixth Street Opportunities Partners II, L.P.	Mar-12	Jun-23	100,000,000	69,794,467	30,205,533	887,166	122,446,175	123,333,341	1.77
WLR Recovery Fund IV, LP	Oct-07	Jun-23	100,000,000	91,779,170	3,443,659	61,466	123,062,122	123,123,589	1.34
Domestic Midmarket Buyout			4,183,660,000	4,282,068,724	623,399,412	2,932,983,391	4,605,819,068	7,538,802,459	1.76
Altaris Health Partners V, L.P.	Jul-20	Sep-23	100,000,000	61,894,549	38,105,451	75,675,865	934,366	76,610,231	1.24
American Industrial Partners Capital Fund V	Dec-11	Jun-23	50,000,000	61,966,755	506,158	24,252,777	84,760,163	109,012,941	1.76
American Industrial Partners Capital Fund VI, L.P.	Sep-15	Jun-23	75,000,000	90,158,112	11,622,524	131,135,053	119,053,729	250,188,782	2.78
Court Square Capital Partners II, L.P.	May-07	Jun-23	100,000,000	91,860,344	3,246,335	1,783,449	164,949,232	166,732,681	1.82
Excellere Capital Fund III, L.P.	Jul-15	Jun-23	40,000,000	39,996,604	3,595,429	39,116,273	22,583,430	61,699,703	1.54
JLL Partners Fund VI, LP	Jun-08	Jun-23	150,000,000	197,611,628	21,725,595	3,823,467	361,928,043	365,751,510	1.85
JLL Partners VII. LP	Mar-16	Jun-23	150,000,000	161,194,141	22,050,622	129,701,202	158,592,831	288,294,033	1.00
JLL Partners Fund VIII, L.P.	Feb-19	Jun-23	200,000,000	119,960,082	81,387,726	157,349,000	1,880,941	159,229,940	1.79
	Jun-13	Jun-23			10,788,294	38,617,068		105,524,640	1.33
Marlin Equity Partners IV			75,000,000	75,304,853			66,907,572		
New Mountain Partners III, L.P.	May-07	Jun-23	100,000,000	114,658,767	8,095,518	4,778,341	260,335,125	265,113,466	2.31
Oak Hill Capital Partners II, L.P.	Jul-05	Jun-23	75,000,000	83,691,264	162,961	586,229	132,436,057	133,022,286	1.59
Onex Partners II, LP	Aug-06	Jun-23	100,000,000	88,793,250	11,206,750	279,923	162,303,120	162,583,043	1.83
Onex Partners III, LP	Dec-08	Jun-23	100,000,000	110,331,903	8,547,816	17,485,004	164,885,005	182,370,009	1.65
Onex Partners IV, LP	May-14	Jun-23	166,490,000	167,105,053	10,625,379	107,670,443	134,172,147	241,842,590	1.45
Onex Partners V-B, L.P.	Oct-17	Jun-23	100,000,000	87,264,238	16,362,131	103,253,432	9,306,088	112,559,520	1.29
Quadrangle Capital Partners II	Aug-05	Jun-23	50,000,000	47,263,080	546,524	2,668,286	67,664,169	70,332,454	1.49
Roark Capital Partners III L.P.	Sep-12	Jun-23	100,000,000	101,176,432	14,153,458	165,295,549	108,478,630	273,774,179	2.71
Sterling Capital Partners IV, L.P.	Apr-12	Jun-23	100,000,000	107,896,558	3,334,917	28,426,217	51,790,519	80,216,736	0.74
Sycamore Partners III, L.P.	Jan-18	Jun-23	150,000,000	121,206,723	77,087,976	128,217,124	48,294,699	176,511,823	1.46
Tenex Capital Partners II, LP	Mar-16	Jun-23	78,170,000	85,778,224	10,704,565	72,002,164	116,607,891	188,610,055	2.20
Tenex Capital Partners, L.P.	Jan-11	Jun-23	50,000,000	70,698,242	7,760,513	7,289,738	103,372,451	110,662,189	1.57
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#### Alternative Investments – Common Pension Fund E October 31, 2023

				Α		В	С	• • •	=(E
enex Capital Partners LP - Secondary	Feb-13	Jun-23	20,000,000	25,975,241	3,104,205	2,645,874	39,900,365	42,546,239	
he Rise Fund (A), L.P.	Nov-17	Jun-23	75,000,000	74,027,141	3,087,108	79,639,908	35,982,571	115,622,479	
he Rise Fund II, L.P.	Mar-19	Jun-23	105,000,000	96,892,271	13,465,539	117,222,051	5,357,810	122,579,861	
PG Growth IV, L.P			149,000,000	132,223,628	24,013,896	136,711,192	47,660,960	184,372,152	
PG [STAR], LP	Mar-07	Jun-23	100,000,000	112,061,536	8,001	10,543,119	134,774,272	145,317,391	
PG Growth II, L.P.	Jun-12	Jun-23	100,000,000	104,277,835	3,386,626	54,052,140	186,360,226	240,412,366	
PG Growth III(A), L.P.	Jan-15	Jun-23	150,000,000	166,557,108	5,989,568	100,739,028	185,583,058	286,322,086	
PG Growth V, L.P.	Sep-20	Jun-23	100,000,000	99,887,516	5,288,872	116,911,132	6,436,529	123,347,661	
SG 7 A L.P.	Nov-15	Jun-23	80,000,000	66,220,885	13,779,115	87,759,990	64,132,468	151,892,458	
SG 7 B L.P.	Nov-15	Jun-23	20,000,000	20,738,934	129,346	20,358,565	8,743,366	29,101,931	
SG8, L.P.	Dec-18	Jun-23	100,000,000	88,225,713	11,892,333	86,562,789	3,315,893	89,878,682	
ista Equity Partners Fund III, L.P.	Jul-07	Jun-23	100,000,000	106,886,033	7,676,295	4,340,663	261,912,379	266,253,042	
ista Equity Partners Fund IV, L.P.	Oct-11	Jun-23	200,000,000	217,010,733	29,878,599	146,151,028	284,468,281	430,619,309	
ista Equity Partners Fund V, L.P.	Mar-14	Jun-23	200,000,000	261,373,434	39,721,476	273,056,490	303,301,572	576,358,062	
		Jun-23							
ista Equity Partners Fund VI, L.P.	Nov-16		200,000,000	251,932,498	18,816,186	237,170,683	288,396,014	525,566,697	
ista Foundation Fund II, L.P.	Nov-13	Jun-23	75,000,000	80,647,928	34,952,181	35,878,370	129,302,715	165,181,085	
ista Foundation Fund III, L.P.	Nov-16	Jun-23	100,000,000	115,026,470	22,886,443	101,835,170	117,470,678	219,305,848	
ista Foundation Fund IV, L.P.	Feb-20	Jun-23	100,000,000	76,293,019	23,706,981	75,137,638	19,263	75,156,901	
/elsh, Carson, Anderson & Stowe XI, L.P.	Oct-08	Jun-23	100,000,000	100,000,000	0	6,860,959	161,464,441	168,325,400	
nerging Managers			400,000,000	443,830,077	20,640,250	116,614,100	799,646,478	916,260,578	
airview Capstone Partners II, LP	Sep-08	Jun-23	100,000,000	106,626,890	3,138,213	51,320,074	177,318,497	228,638,571	
airview Capstone Partners, LP	May-07	Jun-23	100,000,000	91,010,329	8,989,671	45,609,544	274,211,404	319,820,948	
rosvenor/NJDI Emerging Opp			200,000,000	246,192,858	8,512,366	19,684,483	348,116,577	367,801,060	
Grosvenor/NJDI Emerging Opp (2007)	Apr-07	Jun-23	100,000,000	124,163,522	1,726,658	10,980,480	164,506,078	175,486,558	
Grosvenor/NJDI Emerging Opp (2008)	Jun-08	Jun-23	100,000,000	122,029,336	6,785,708	8,704,003	183,610,499	192,314,502	
P Equity Stakes			750,000,000	573,976,009	327,813,494	649,697,773	478,878,090	1,128,575,863	
ival NJ Investors, L.P.	Oct-12	Jun-23	200,000,000	204,376,946	41,129,891	84,304,864	171,685,134	255,989,998	
iyal II NJ Investors, L.P.	Jul-14	Jun-23	250,000,000	231,409,059	68,778,644	284,826,160	127,985,631	412,811,790	
yal III NJ Investors, L.P.	Aug-17	Jun-23	100,000,000	24,769,252	75,250,000	45,443,504	5,865,143	51,308,647	
yal III US Investors LP	Dec-15	Jun-23	200,000,000	113,420,753	142,654,959	235,123,245	173,342,182	408,465,427	
yarm US investors LP	Dec-15	Jun-23	200,000,000	113,420,755	142,004,909	235,123,245	173,342,182	408,405,427	
ernational			2,625,308,991	2,550,981,811	288,067,608	1,418,619,049	2,397,934,844	3,816,553,894	
AIMS/NJ Euro Small and Mid Fund II, L.P.	Jul-07	Jun-23	198,329,000	192,706,282	27,346,288	16,725,052	236,874,688	253,599,741	
Anacap Financial Partners II	May-08	Jun-23	126,962,754	191,451,851	3,901,604	642,696	190,061,667	190,704,363	
AnaCap Financial Partners III, L.P.	Jul-14	Jun-23	142,981,086	151,682,347	11,004,701	85,848,076	113,338,099	199,186,175	
AnaCap Financial Prtns GP	Nov-09	Jun-22	9,868,438	9,868,438	0	11,796,388	1,570,670	13,367,058	
ARDIAN Buyout Fund VII A S.L.P	Mar-20	Jun-23	135,167,714	96,276,153	38,891,561	113,290,274	807,799	114,098,073	
IBK Partners Fund IV, L.P.	Dec-16	Jun-23	85,000,000	83,872,300	1,127,700	109,725,406	30,215,730	139,941,136	
	Jan-20	Jun-23	100,000,000	58,880,737	42,328,841	82,922,764	1,209,578	84,132,342	
IBK Partners Fund V, L.P.		Jun-23	200,000,000	242,175,521	7,697,514	102,903,307	300,398,589	403,301,896	
IBK Partners Fund V, L.P. lew Jersey Asia Investors II, L.P.	Jul-11	0411 20				345,031,525	66,154,120	411,185,645	
ew Jersey Asia Investors II, L.P.	Jul-11 Aug-16	Jun-23	300,000,000	282,694,848	43,692,107	040,001,020	00,104,120		
			300,000,000 100,000,000	282,694,848 99,971,122	43,692,107 12,683,886	5,177,992	297,211,408	302,389,400	
lew Jersey Asia Investors II, L.P. lew Jersey Asia Investors III, L.P.	Aug-16	Jun-23							
iew Jersey Asia Investors II, L.P. Iew Jersey Asia Investors III, L.P. Iew Jersey Asia Investors, L.P. JHL European BO Investment II Series B	Aug-16 Jan-08 Apr-07	Jun-23 Jun-23 Jun-23	100,000,000 200,000,000	99,971,122 152,834,334	12,683,886 11,346,571	5,177,992 12,344,786	297,211,408 228,774,882	302,389,400 241,119,668	
iew Jersey Asia Investors II, L.P. lew Jersey Asia Investors III, L.P. lew Jersey Asia Investors, L.P. JHL European BO Investment II Series B JHL European Buyout Investment Series A	Aug-16 Jan-08 Apr-07 Feb-06	Jun-23 Jun-23 Jun-23 Jun-23	100,000,000 200,000,000 200,000,000	99,971,122 152,834,334 198,583,281	12,683,886 11,346,571 10,498,759	5,177,992	297,211,408 228,774,882 294,462,569	302,389,400 241,119,668 296,845,990	
iew Jersey Asia Investors II, L.P. lew Jersey Asia Investors III, L.P. lew Jersey Asia Investors, L.P. JHL European BO Investment II Series B JHL European Buyout Investment Series A JHL European Buyout Investment Series C	Aug-16 Jan-08 Apr-07 Feb-06 Mar-08	Jun-23 Jun-23 Jun-23 Jun-23 Jun-23	100,000,000 200,000,000 200,000,000 200,000,0	99,971,122 152,834,334 198,583,281 213,517,298	12,683,886 11,346,571 10,498,759 10,296,292	5,177,992 12,344,786 2,383,421 0	297,211,408 228,774,882 294,462,569 265,081,527	302,389,400 241,119,668 296,845,990 265,081,527	
iew Jersey Asia Investors II, L.P. lew Jersey Asia Investors III, L.P. lew Jersey Asia Investors, L.P. JHL European BO Investment II Series B JHL European Buyout Investment Series A JHL European Buyout Investment Series C IRJ Capital Master Fund III, L.P.	Aug-16 Jan-08 Apr-07 Feb-06 Mar-08 Sep-15	Jun-23 Jun-23 Jun-23 Jun-23 Jun-23 Jun-23	100,000,000 200,000,000 200,000,000 200,000,0	99,971,122 152,834,334 198,583,281 213,517,298 153,047,160	12,683,886 11,346,571 10,498,759 10,296,292 9,930,924	5,177,992 12,344,786 2,383,421 0 30,979,027	297,211,408 228,774,882 294,462,569 265,081,527 136,941,912	302,389,400 241,119,668 296,845,990 265,081,527 167,920,939	
iew Jersey Asia Investors II, L.P. lew Jersey Asia Investors III, L.P. lew Jersey Asia Investors, L.P. JHL European BO Investment II Series B JHL European Buyout Investment Series A JHL European Buyout Investment Series C	Aug-16 Jan-08 Apr-07 Feb-06 Mar-08	Jun-23 Jun-23 Jun-23 Jun-23 Jun-23	100,000,000 200,000,000 200,000,000 200,000,0	99,971,122 152,834,334 198,583,281 213,517,298	12,683,886 11,346,571 10,498,759 10,296,292	5,177,992 12,344,786 2,383,421 0	297,211,408 228,774,882 294,462,569 265,081,527	302,389,400 241,119,668 296,845,990 265,081,527	

#### Alternative Investments – Common Pension Fund E October 31, 2023

				Α		В	C	=(B+C)	=(E
Large Buyout			2,916,627,094	3,212,245,397	171,559,452	1,490,909,078	3,883,145,669	5,374,054,747	
Apollo Investment Fund VI, L.P.	Nov-05	Jun-23	50,000,000	132,027,729	730,723	846,628	171,500,614	172,347,242	
Blackstone Capital Partners V, L.P.	Oct-05	Sep-23	100,000,000	98,938,543	4,837,844	51,296	166,569,435	166,620,730	
Blackstone Capital Partners VI, L.P.	Mar-12	Sep-23	50,000,000	47,994,374	6,612,738	16,215,415	79,547,420	95,762,835	
Blackstone Capital Partners VII, L.P.	May-15	Jun-23	45,000,000	44,160,164	3,221,446	42,777,975	32,850,068	75,628,043	
Carlyle Partners VI, L.P.	Nov-13	Sep-23	300,000,000	316,775,764	15,924,195	115,433,274	494,911,601	610,344,875	
**CVC Capital Partners VI, LP	Jul-13	Jun-23	85,318,214	99,761,545	6,666,775	69,244,811	126,242,510	195,487,321	
**CVC Capital Partners VII (A), LP	May-17	Jun-23	111,726,541	108,883,787	8,995,544	151,441,580	40,277,343	191,718,923	
**CVC Capital Partners VIII	Jun-20	Jun-23	107,082,339	79,186,537	28,321,950	82,246,300	497,316	82,743,616	
Hellman & Friedman Capital Partners VIII, L.P.	Nov-14	Jun-23	100,000,000	102,625,959	5,330,131	126,186,150	53,741,704	179,927,854	
Silver Lake Partners III, LP	Jan-07	Jun-23	100,000,000	106,663,277	9,528,468	27,701,751	205,997,842	233,699,593	
Silver Lake Partners IV	Mar-13	Jun-23	200,000,000	232,842,762	5,713,692	329,957,138	268,005,526	597,962,664	
Silver Lake Partners VI, L.P.	Sep-20	Jun-23	100,000,000	94,659,758	13,267,342	90,829,395	7,933,429	98,762,824	
TPG Partners V, L.P.	Sep-06	Jun-23	187,500,000	256,833,971	1,217,322	190,422	318,129,531	318,319,952	
TPG Partners VI, L.P.	May-08	Jun-23	180,000,000	298,577,984	4,842,818	2,577,192	391,424,708	394,001,899	
Vista Equity Partners Fund VII, L.P.	Aug-18	Jun-23	300,000,000	272,063,242	56,348,464	320,205,059	28,628,856	348,833,915	
Warburg Pincus Private Equity IX, LP	Aug-05	Jun-23	200,000,000	200,000,000	0	224,410	344,328,840	344,553,250	
Warburg Pincus Private Equity X, LP	Oct-07	Jun-23	400,000,000	400,000,000	0	7,321,880	711,381,651	718,703,531	
Warburg Pincus Private Equity XI, LP	May-12	Jun-23	300,000,000	320,250,000	0	107,458,403	441,177,277	548,635,679	
ezzanine Debt			390,000,000	429,402,843	50,102,977	16,431,467	600,646,719	617,078,186	
Gleacher Mezzanine Fund II, LP	Nov-06	Jun-23	40,000,000	36,832,690	3,251,243	3,568	49,448,473	49,452,041	
GSO Capital Opportunities Fund II, LP	Nov-12	Jun-23	150,000,000	152,516,339	36,477,241	5,417,493	205,515,455	210,932,948	
GSO Capital Opportunities Fund, L.P.	Jul-08	Jun-23	100,000,000	120,315,926	6,184,029	2,009,283	203,214,793	205,224,076	
Newstone Capital Partners II, L.P.	May-11	Jun-23	100,000,000	119,737,888	4,190,464	9,001,122	142,467,998	151,469,120	
econdaries			179,140,860	171,247,194	11,992,240	3,863,694	240,130,841	243,994,536	
exington Capital Partners VI-B	Jun-06	Jun-23	50,000,000	50,705,969	817,355	259,119	73,809,048	74,068,167	
**Partners Group Secondary 2006 LP	Sep-06	Jun-23	54,000,854	53,008,507	3,165,694	7,594	65,137,097	65,144,691	
*Partners Group Secondary 2008, L.P.	Sep-08	Jun-23	75,140,006	67,532,719	8,009,191	3,596,981	101,184,697	104,781,678	
nall/Midsize Buyout			775,000,000	830,675,930	82,853,837	155,543,062	1,232,628,125	1,388,171,187	
Grosvenor/NJDI Investment Fund			650,000,000	744,805,282	41,435,830	68,120,393	1,226,376,527	1,294,496,920	
Grosvenor/NJDI Investment Fund 2005	Nov-05	Jun-23	200,000,000	226,827,096	9,504,122	10,291,825	364,359,970	374,651,795	
Grosvenor/NJDI Investment Fund 2006	Sep-06	Jun-23	250,000,000	293,336,257	7,356,580	31,866,564	522,733,338	554,599,902	
Grosvenor/NJDI Investment Fund 2008	Jun-08	Jun-23	200,000,000	224,641,929	24,575,128	25,962,004	339,283,218	365,245,222	
Stellex Capital Partners II LP	Sep-20	Jun-23	125,000,000	85,870,648	41,418,007	87,422,669	6,251,598	93,674,267	
pecial Situations			184,000,000	1,296,037,608	234,723,305	625,501,154	1,203,095,391	1,828,596,545	
Blackstone TOP Fund - A (PE) L.P.	Jan-12	Jun-23	184,000,000	1,296,037,608	234,723,305	625,501,154	1,203,095,391	1,828,596,545	
enture Capital			314,400,000	294,900,038	19,499,962	200,282,782	418,753,805	619,036,587	
Khosla Ventures IV, L.P.	Jan-12	Jun-23	25,000,000	24,525,000	475,000	37,667,520	69,893,854	107,561,374	
NB/NJ Custom Investment Fund	Aug-07	Jun-23	100,000,000	91,596,190	8,403,810	7,252,164	173,734,782	180,986,946	
Peg Pooled Venture Capital VC Institutional III	Jul-06	Jun-23	49,400,000	49,263,047	136,953	16,388,132	78,402,932	94,791,063	
TCV VIII, L.P.	Jan-14	Jun-23	100,000,000	90,472,840	9,527,160	115,780,513	77,983,819	193,764,331	
Tenaya Capital VI, L.P.	Jul-12	Jun-23	40,000,000	39,042,961	957,039	23,194,453	18,738,419	41,932,872	
ate Equity Subtotal		_	17,003,806,877	18,276,096,603	2,741,390,158	10,628,421,678	20,185,795,522	30,814,217,201	_

#### Alternative Investments – Common Pension Fund E October 31, 2023

				А		В	C	=(B+C)	=(B+C
Real Estate									
Debt			1,778,696,682	1,749,323,163	216,282,580	220,035,905	2,117,782,528	2,337,818,433	1.
Blackstone Residential Fund - A L.P	Apr-16	Jun-23	250,000,000	268,571,767	0	79,503,165	237,575,706	317,078,870	1.
Blackstone RE Debt Strategies III, L.P.	Jun-16	Sep-23	100,000,000	107,169,955	28,809,750	13,569,698	111,273,408	124,843,106	1.
CT High Grade Partners II, LLC	May-08	Jun-23	664,065,200	572,861,303	108,661,385	63,976,980	752,519,408	816,496,388	1.
Lone Star Fund VII (U.S.) LP	May-11	Jun-23	300,000,000	283,944,335	18,490,651	1,375,486	495,227,210	496,602,696	1
***M&G Real Estate Debt Fund II, LP	Jul-13	Jun-23	89,404,253	96,402,201	4,515,291	54,605	110,576,829	110,631,434	1
***M&G Real Estate Debt Fund III, LP	Jul-13	Jun-23	175,227,229	193,902,776	13,089,955	84,941	205,034,300	205,119,242	1
Sculptor RE Credit Parallel Fund B, LP	May-16	Jun-23	100,000,000	119,606,432	17,035,921	22,381,767	124,682,834	147,064,601	
True North Real Estate Fund III, LP	Sep-14	Jun-23	100,000,000	106,864,395	25,679,626	39,089,263	80,892,833	119,982,096	
Equity			5,711,946,724	6,142,848,212	1,264,785,117	3,730,419,129	5,832,733,484	9,563,152,613	
**Aermont Capital Real Estate Fund IV	Oct-18	Jun-23	110,348,838	85,002,335	25,346,503	66,869,438	0	66,869,438	
Blackstone Property Global - NJ	Oct-15	Jun-23	150,000,000	142,435,598	7,564,402	171,771,499	84,809,275	256,580,774	
Blackstone Property Partners L.P.	Jun-15	Jun-23	50,000,000	50,000,000	0	70,728,000	13,264,555	83,992,555	
Blackstone Real Estate Partners Asia LP	Jun-13	Jun-23	500,000,000	487,654,115	165.001.051	155,839,521	655,249,281	811,088,802	
Blackstone Real Estate V	Feb-06	Jun-23	75,000,000	78,353,336	3,130,539	86,929	163,068,545	163,155,473	
Blackstone Real Estate VI	Feb-07	Jun-23	100,000,000	99,401,438	4,907,906	1,286,965	222,186,388	223,473,353	
Blackstone Real Estate Partners VI, Sec	Nov-11	Jun-23	43,624,688	40,000,081	2,141,059	551,556	92,551,347	93,102,904	
Blackstone Real Estate VII	Dec-11	Jun-23	300,000,000	354,807,043	32,565,993	51,820,681	594,265,322	646,086,003	
Blackstone Real Estate VIII	Jan-15	Jun-23	100,000,000	107,287,850	13,879,651	75,744,882	119,120,717	194,865,599	
Blackstone TOP Fund - A (RE) L.P.	Jan-15	Jun-23	75,000,000	63,203,889	84,153,576	34,118,688	37,946,808	72,065,496	
Carlyle Realty Partners V LP	Feb-07	Jun-23	100,000,000	122,742,600	7,102,292	216.504	187,181,649	187,398,153	
DivcoWest Fund VI-A, LP	Aug-20	Jun-23	100,000,000	59,978,440	40,817,061	55,841,589	1,632,746	57,474,335	
Exeter Core Industrial Club Fund II, L.P.	Aug-16	Jun-23	100,000,000	97,394,737	2,605,263	187,421,693	50,403,158	237,824,851	
Exeter Industrial Core Fund III. LP	Jun-19	Jun-23	100,000,000	98,270,440	1,729,560	106,475,236	14,599,057	121,074,292	
Focus Senior Housing Fund I LP	Apr-17	Jun-23	50,000,000	47,055,638	3,867,920	62,484,884	4,129,397	66,614,281	
Hammes Partners II, L.P.	Mar-14	Jun-23	100,000,000	109,907,395	4,626,440	12,581,039	174,718,021	187,299,059	
Hammes Partners III. L.P.	Aug-17	Jun-23	50,000,000	46,627,824	4,917,555	32,569,720	23,230,997	55,800,718	
Heitman America Real Estate Trust, L.P.	Jan-07	Sep-23	100,000,000	100,000,000	0	161,464,339	79,935,552	241,399,891	
IPI Partners II-A, L.P.	Mar-21	Jun-23	150,000,000	130,818,917	20,281,221	135,664,958	1,100,138	136,765,096	
KSL Capital Partners IV-A, L.P.	Jul-15	Jun-23	100,000,000	110,517,116	21,327,366	94,312,237	87,446,431	181,758,668	
KSL Capital Partners V, L.P.	Feb-19	Jun-23	100,000,000	94,170,765	33,567,858	80,276,816	40,209,011	120,485,827	
Lone Star Real Estate Fund II (U.S.) LP	May-11	Jun-23	100,000,000	88,609,832	11,390,168	118,093	137,192,625	137,310,718	
**MARK European Retail Partners II, LP.	Jul-14	Jun-23	58,979,970	60,487,688	454,253	10,662,993	9,769,504	20,432,498	
Northwood Real Estate Co-Invest	Dec-12	Jun-23	75,000,000	87,628,839	35,248,557	66,471,210	48,300,629	114,771,839	
Northwood RE Partners L.P., (Series III)	Dec-12	Jun-23	75,000,000	128,425,075	41,068,723	100,542,546	94,489,832	195,032,378	
Northwood RE Partners L.P., (Series IV)	Nov-13	Jun-23	200,000,000	369,105,905	121,413,453	285,135,544	290,429,990	575,565,534	
Sculptor NJ RE Opportunities, LP	Mar-13	Sep-23	200,000,000	561,092,586	195,276,879	203,428,452	443,278,737	646,707,189	
Sculptor RE Parallel Fund III E, LP	Aug-14	Jun-23	100,000,000	77,300,872	68,112,508	10,249,229	122,991,756	133,240,985	
**Perella Weinberg Real Estate Fund II LP	Jul-13	Jun-23	88,253,367	72,820,845	15,432,523	13,277,134	106,909,073	120,186,207	
**Perella Weinberg Real Estate Fund III LP	Nov-15	Jun-23	101,081,511	79,232,272	21,849,239	34,541,308	193,764,937	228,306,245	
Prime Property Fund	Aug-07	Sep-23	130,000,000	150,000,000	21,049,239	140,940,697	108,732,106	249,672,802	
PRISA II	Jun-07	•			0	77,746,695	70,563,828		
	Dec-06	Sep-23	60,000,000 265,000,000	100,000,000	0	265,055,874	203,645,334	148,310,522	
PRISA Real Estate Separate Account		Sep-23		300,000,000	0			468,701,208	
**Prologis European Logistics Fund	Sep-13	Jun-23	183,329,350	183,329,350		275,972,213	126,490,419	402,462,632	
RE Capital Asia Partners III, L.P.	Aug-12	Sep-23	80,000,000	69,882,242	15,847,536	5,968,634	72,835,072	78,803,706	
RE Capital Asia Partners IV, L.P.	Dec-14	Jun-23	100,000,000	94,990,514	5,824,992	36,599,081	67,911,991	104,511,072	
TGM Apartment Partners	Aug-15	Jun-23	376,329,000	339,289,300	37,039,700	402,733,166	127,853,969	530,587,135	
TPG Real Estate Partners II, L.P.	Sep-15	Jun-23	125,000,000	109,083,752	30,078,500	20,100,318	143,469,503	163,569,821	
TPG Real Estate Partners III, L.P.	May-18	Jun-23	100,000,000	72,211,006	33,486,304	65,072,239	24,096,480	89,168,719	

#### Alternative Investments – Common Pension Fund E October 31, 2023

				Α		В	С	=(B+C)	=(B+C)
TPG/NJ (RE) Partnership, LP	Feb-13	Jun-23	225,000,000	168,938,103	83,726,917	47,929,091	178,719,322	226,648,413	1.
Tucker Development/Acquisition Fund	Oct-07	Jun-23	50,000,000	50,000,000	0	548,075	8,428,750	8,976,825	0.
Westbrook Real Estate Fund VIII	Feb-08	Jun-23	100,000,000	110,980,414	0	13,553,669	137,912,513	151,466,182	1.
Westbrook VII	Jan-07	Jun-23	40,000,000	40,000,000	0	4,937,093	45,260,610	50,197,703	1.
Wheelock Street Real Estate Fund, L.P.	Dec-11	Jun-23	100,000,000	98,990,034	15,904,849	11,032,480	175,826,686	186,859,166	1.
Wheelock Street Real Estate Fund II, L.P.	Apr-14	Jun-23	125,000,000	109,807,675	31,218,547	33,734,058	165,740,345	199,474,403	1.
Wheelock Street Real Estate Fund V, L.P	Aug-16	Jun-23	100,000,000	95,012,352	21,878,254	45,942,063	81,071,078	127,013,141	1.
eal Estate Subtotal			7,490,643,406	7,892,171,375	1,481,067,697	3,950,455,034	7,950,516,012	11,900,971,046	1.
Hedge Funds									
Absolute Return			760,000,000	778,980,038	48,019,962	992,070,631	67,000,002	1,059,070,633	1.
Iguazu Partners, L.P.	Dec-13	Sep-23	150,000,000	125,000,000	25,000,000	242,766,000	0	242,766,000	1.
Magenta Fund Ltd.	Apr-21	Sep-23	100,000,000	100,000,000	0	104,772,300	0	104,772,300	1.
Woodley Park NJ, L.P. (FAIR Program)	Oct-17	Aug-23	510,000,000	553,980,038	23,019,962	644,532,331	67,000,002	711,532,333	1.
Credit			700,000,000	700,000,000	0	241,913,513	679,836,946	921,750,459	1.
Chatham Fund, LP	Dec-14	Sep-23	300,000,000	300,000,000	0	73,354,357	406,500,000	479,854,357	1.
GSO Special Situations Fund, L.P.	Feb-12	Aug-23	100,000,000	100,000,000	0	9,547,240	106,476,974	116,024,214	1.
Solus Opportunities Fund 3, LP	Apr-14	Sep-23	300,000,000	300,000,000	0	159,011,916	166,859,973	325,871,888	1.
Distressed			350,000,000	350,000,000	0	10,457,769	562,614,789	573,072,558	1
Centerbridge Credit Partners	Oct-07	Sep-23	200,000,000	200,000,000	0	7,507,454	311,225,406	318,732,860	1
King Street Capital	Feb-07	Aug-23	150,000,000	150,000,000	0	2,950,315	251,389,383	254,339,698	1
Event Driven			150,000,000	150,000,000	0	230,268,500	100,000,000	330,268,500	2
Davidson Kempner Institutional Partners, L.P	Dec-06	Sep-23	150,000,000	150,000,000	0	230,268,500	100,000,000	330,268,500	2
Fund of Funds			2,050,000,000	2,028,229,017	145,770,983	579,235,917	2,279,413,023	2,858,648,940	1
AIMS/NJ Multi-Strategy Portfolio, LLC	Aug-06	Sep-23	550,000,000	550,000,000	25,000,000	410,027,381	516,698,563	926,725,944	1
Arden Garden State NJ Fund LP.	Jun-06	Jun-23	500,000,000	500,000,000	0	514,900	557,864,147	558,379,047	1
Woodley Park NJ, L.P.	Aug-06	Aug-23	800,000,000	778,229,017	120,770,983	168,087,984	1,009,540,711	1,177,628,695	1
Reservoir Strategic Partners Fund, LP	Jul-11	Aug-23	200,000,000	200,000,000	0	605,652	195,309,602	195,915,254	C
Global Macro			550,000,000	550,000,000	0	238,732,310	449,999,976	688,732,286	1
Lynx Common (Bermuda) Ltd.	Mar-11	Sep-23	200,000,000	200,000,000	0	113,801,350	150,000,000	263,801,350	1
Winton Futures Fund	Jan-11	Sep-23	350,000,000	350,000,000	0	124,930,960	299,999,976	424,930,936	1
Multi-Strategy			950,000,000	850,000,000	100,000,000	681,088,556	583,710,894	1,264,799,450	
Elliott Associates, L.P.	Apr-12	Sep-23	200,000,000	200,000,000	0	282,412,500	100,107,393	382,519,893	
Farallon Capital Inst. Partners, L.P.	Jun-07	Sep-23	150,000,000	150,000,000	0	455,969	171,607,183	172,063,152	1
Laurion Capital Ltd.	Jul-15	Sep-23	100,000,000	100,000,000	0	197,204,100	0	197,204,100	
SONJ FAIR, L.P.	Aug-17	Sep-23	500,000,000	400,000,000	100,000,000	201,015,987	311,996,318	513,012,305	
edge Fund Subtotal			5,510,000,000	5,407,209,056	293,790,944	2,973,767,196	4,722,575,630	7,696,342,826	
Real Assets									
Co-Investments			1,106,000,000	1,812,885,458	337,024,925	1,074,445,273	1,334,956,983	2,409,402,256	
	Nov-13	Jun-23	100,000,000	106,255,733	1,113,710	80,102,429	30,473,130	110,575,559	1
Aether Real Assets III Surplus, LP	INOV-13	Jun-20	100,000,000					110,010,000	
Aether Real Assets III Surplus, LP Aether Real Assets SONJ Fund, L.P.	Mar-18	Jun-23	135,000,000	75,708,686	65,017,522	92,504,228	6,218,874	98,723,102	1

#### Alternative Investments – Common Pension Fund E October 31, 2023

Presents underlying fund level information including the Portfolio's original commitments, funded amounts to date, remaining commitments and the distributions to date.

				А		В	С	=(B+C)	=(B+C)
BX NJ Co-Invest, L.P.	Aug-12	Jun-23	21,163,690	374,314,948	0	539,198,202	99,135,169	638,333,371	1.
NJ/HV Resource Opportunities, L.P.	Jun-15	Jun-23	150,000,000	150,839,670	54,215,341	150,192,750	113,596,242	263,788,991	1.
Debt			650,000,000	764,990,221	238,904,257	51,390,462	702,259,129	753,649,591	0.
GSO Energy Partners - A, L.P.	Mar-12	Jun-23	650,000,000	764,990,221	238,904,257	51,390,462	702,259,129	753,649,591	0
Equity			1,135,000,000	1,100,335,498	172,739,733	778,146,077	958,978,249	1,737,124,326	1.
Aether Real Assets III, LP	Nov-13	Jun-23	30,000,000	31,732,715	1,133,944	20,195,470	9,426,409	29,621,879	0
Blackstone Energy Partners, L.P.	Mar-12	Sep-23	150,000,000	181,631,201	14,184,874	28,591,551	266,944,306	295,535,857	1
Blackstone Energy Partners II, L.P.	May-15	Jun-23	80,000,000	77,642,728	14,625,002	64,254,887	55,984,427	120,239,314	1
Brookfield Capital Partners IV, L.P.	May-16	Jun-23	150,000,000	153,265,806	13,488,890	146,289,157	264,355,214	410,644,371	2
Brookfield Capital Partners V L.P.	Apr-19	Jun-23	100,000,000	104,264,901	10,008,836	127,388,243	14,273,737	141,661,980	1
Hitecvision VII, L.P.	Apr-14	Jun-23	100,000,000	111,307,826	5,665,232	67,613,491	136,635,775	204,249,267	1
Homestead Capital USA Farmland Fund III, L.P	Apr-19	Jun-23	100,000,000	99,978,098	1,949,245	107,508,449	3,916,521	111,424,970	1
Stonepeak Infrastructure Fund III LP	Nov-17	Jun-23	125,000,000	129,898,719	17,638,267	154,829,957	41,079,645	195,909,602	
Stonepeak Global Renewables Fund LP	Jan-21	Jun-23	100,000,000	23,871,437	76,883,778	19,041,340	13,674,488	32,715,828	
Tenaska Power Fund II, L.P.	Sep-08	Jun-23	100,000,000	90,742,067	13,161,665	287,865	86,043,816	86,331,681	(
Warburg Pincus Energy, L.P.	May-14	Jun-23	100,000,000	96,000,000	4,000,000	42,145,667	66,643,910	108,789,577	1
al Assets Subtotal			2,891,000,000	3,678,211,177	748,668,916	1,903,981,812	2,996,194,360	4,900,176,172	1
and Total			32.895.450.283	35.253.688.211	5,264,917,715	19,456,625,720	35,855,081,524	55,311,707,244	1

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

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.

Hedge Funds reflect the most recent market values available.

3. Total Distributed includes recallable portion of proceeds.

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

5. \*\*Please note these selected funds have an FX rate of 1.0570 EUR as of 10/31/2023

6. \*\*\*Please note these selected funds have an FX rate of 1.2134 GBP as of 10/31/2023

7. 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 – Private Credit, Common Pension Fund E October 31, 2023

Presents underlying fund level information including the Portfolio's original commitments, funded amounts to date, remaining commitments and the distributions to date.

		Last Valuation		A Amount	Unfunded	B Current Market	С	=(B+C)	=(B+C)/A Total Value
	Inception Date	Date	Commitment	Contributed1	Commitment	Value	Total Distributed2	Total Value	Multiple
Private Credit									
***Anacap Credit Opportunities II, LP	Dec-11	Jun-23	77,186,095	107,016,079	15,838,641	1,799,010	123,695,059	125,494,069	1.17
Blueprint Cap I, LP	May-18	Aug-23	300,000,000	243,664,408	153,146,896	156,676,965	139,935,473	296,612,438	1.22
Cerberus NJ Credit Opportunities Fund, L.P.	Apr-12	Sep-23	300,000,000	464,552,239	47,388,060	523,887,573	276,401,796	800,289,368	1.72
Crayhill NJ Fund, LP	May-17	Jun-23	150,000,000	232,964,895	86,204,475	105,703,575	170,961,599	276,665,174	1.19
GOF II Feeder B, L.P.	Oct-17	Aug-23	100,000,000	90,000,000	10,000,000	126,128,700	0	126,128,700	1.40
GSO Credit Partners - A, L.P.	Mar-12	Sep-23	600,000,000	475,000,000	125,000,000	72,086,370	581,078,862	653,165,232	1.38
Golden Tree Opportunities LP-Class D	Sep-07	Sep-23	250,000,000	249,500,000	500,000	423,131,107	250,753,930	673,885,037	2.70
Knight TAO, L.P.	Oct-14	Jun-23	700,000,000	732,077,337	312,404,712	562,824,282	496,432,011	1,059,256,293	1.45
NJ/TCW Direct Lending LLC	Feb-16	Jun-23	150,000,000	159,489,000	16,399,267	70,051,225	132,808,500	202,859,725	1.27
Blue Owl Capital Technology Finance Corp.	Nov-18	Jun-23	100,000,000	100,991,844	0	104,323,666	17,702,951	122,026,617	1.21
*Sculptor NJ Private Opportunities, LP	Mar-13	Sep-23	500,000,000	1,370,128,119	226,507,623	303,235,152	1,278,807,661	1,582,042,813	1.15
*Sculptor SC, LP	Apr-10	Sep-23	250,000,000	788,013,056	0	684,914,537	1,216,144,601	1,901,059,138	2.41
*Sculptor SC II, LP	Mar-13	Sep-23	650,000,000	1,984,469,087	0	1,673,903,472	1,022,012,583	2,695,916,055	1.36
Sixth Street Opportunities III A LP	Apr-14	Jun-23	100,000,000	53,357,879	31,096,238	17,766,942	67,128,723	84,895,665	1.59
TCW Direct Lending LLC	Mar-15	Jun-23	150,000,000	119,520,900	37,994,113	29,217,710	127,827,456	157,045,166	1.31
Private Credit Subtotal			4,377,186,095	7,170,744,842	1,062,480,025	4,855,650,286	5,901,691,206	10,757,341,492	1.50

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

2. Total Distributed includes recallable portion of proceeds.

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

4. \*\*\*Please note these selected funds have an FX rate of 1.2134 GBP as of 10/31/2023

5. 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 October 31, 2023

		Last Valuation		A	Unformational	В	C	=(B+C)	=(B+C)/A Total Value
	Inception Date	Date	Commitment	Amount Contributed	Unfunded Commitment	Current Market Value <sub>2</sub> T	otal Distributed <sub>8</sub>	Total Value	Multiple
Private Equity									
Large Buyout			489,249,950	93,997,613	399,076,807	96,105,273	3,824,470	99,929,743	1.06
**CVC Capital Partners IX	Jun-23		264,249,950	0	264,249,950	0	0	0	0.00
Hellman & Friedman Capital Partners X, L.P.	May-21	Jun-23	125,000,000	93,997,613	34,826,857	96,105,273	3,824,470	99,929,743	1.06
Vista Equity Partners Fund VIII, L.P.	Oct-23		100,000,000	0	100,000,000	0	0	0	0.00
Domestic Midmarket Buyout	May 22	lun 00	400,000,000	95,323,191	305,805,016	107,589,722	3,451,401	111,041,123	<b>1.16</b> 0.00
American Industrial Partners Capital Fund VIII, L.P. Excellere Capital Fund IV, L.P.	May-23 Oct-21	Jun-23 Jun-23	150,000,000 100.000.000	0 44,265,906	150,000,000 55,734,094	0 50,182,974	0	0 50.182.974	1.13
TPG Rise Climate, L.P.	Apr-22	Jun-23	150,000,000	51,057,285	100,070,922	57,406,748	3,451,401	60,858,149	1.19
Mezzanine Debt			209,195,351	38,076,800	171,118,551	53,434,335	0	53,434,335	1.40
**ICG Europe VIII	Jul-22	Jun-23	209,195,351	38,076,800	171,118,551	53,434,335	0	53,434,335	1.40
Co Investments			206,067,352	15,951,579	190,115,772	16,361,875	0	16,361,875	1.03
**ICG Global Co-Investment E SCSp	Oct-22	Jun-23	106,067,352	15,951,579	90,115,772	16,361,875	0	16,361,875	1.03
Vista Co-Invest Fund 2023-4, L.P.	Oct-23		100,000,000	0	100,000,000	0	0	0	0.00
Emerging Managers			450,000,000	2,015,919	447,984,081	2,015,919	0	2,015,919	1.00
Barings NJ Emerging MP	Jul-23		250,000,000	2,013,313	250,000,000	2,010,010	0	2,010,515	0.00
NJ High Point VC Fund, L.P.	May-23		200,000,000	2,015,919	197,984,081	2,015,919	0	2,015,919	1.00
	Way-23		200,000,000	2,013,919	197,904,001	2,013,313	0	2,013,919	1.00
Venture Capital			200,000,000	15,800,000	184,200,000	15,644,361	0	15,644,361	0.99
Khosla Ventures Seed F, L.P.	May-23	Jun-23	20,000,000	4,700,000	15,300,000	4,665,573	0	4,665,573	0.99
Khosla Ventures VIII, L.P.	May-23	Jun-23	80,000,000	5,600,000	74,400,000	5,531,775	0	5,531,775	0.99
Khosla Ventures Opportunity II, L.P.	May-23	Jun-23	100,000,000	5,500,000	94,500,000	5,447,013	0	5,447,013	0.99
Private Equity Subtotal		-	1,954,512,652	261,165,102	1,698,300,227	291,151,485	7,275,871	298,427,356	1.14
Real Assets									
Equity			585,000,000	276,973,918	314,879,140	287,364,204	7,284,688	294,648,892	1.06
Brookfield Global Transition Fund -B	Jun-22	Jun-23	300,000,000	109,575,859	197,277,199	106,282,028	6,853,059	113,135,086	1.03
EQT Infrastructure V	Oct-21	Jun-23	160,000,000	116,543,672	43,456,328	129,818,463	8,399	129,826,862	1.11
Stonepeak Infrastructure Fund IV LP	Nov-21	Jun-23	125,000,000	50,854,387	74,145,613	51,263,714	423,230	51,686,944	1.02
Co. Investmente			275 000 000	0	275 000 000	0	0	0	0.00
Co Investments	lum 22		375,000,000		375,000,000		0	0	
BGTF Co-Invest (N) L.P.	Jun-22		300,000,000	0 0	300,000,000	0 0	0	0	0.00 0.00
Stonepeak CPF Investment Partners, LP	Apr-23		75,000,000	0	75,000,000	0	0	0	0.00
Real Assets Subtotal		-	960,000,000	276,973,918	689,879,140	287,364,204	7,284,688	294,648,892	1.06
Real Estate									
Equity			515,000,000	72,631,827	442,368,173	72,421,828	149,523	72,571,351	1.00
Hammes Partners IV	Mar-22	Jun-23	65,000,000	2,657,015	62,342,985	1,972,937	89,204	2,062,141	0.78
TGM Apartment Partners II	Jan-23	041120	300,000,000	2,001,010	300,000,000	0	00,201	2,002,111	0.00
TPG Real Estate Thematic Advantage Core Plus JV (III) L.P.	Jan-22	Jun-23	150,000,000	69,974,812	80,025,188	70,448,891	60,319	70,509,210	1.01
Real Estate Subtotal		-	515,000,000	72,631,827	442,368,173	72,421,828	149,523	72,571,351	1.00
		=							
Private Credit			450 000 000		440 500 000		~ ~ ~ ~	07 FAA A4 -	4.00
Distressed	h		150,000,000	37,500,000	112,500,000	37,479,750	20,264	37,500,014	1.00
GOF III Feeder B, L.P.	Jun-23		150,000,000	37,500,000	112,500,000	37,479,750	20,264	37,500,014	1.00

#### Alternative Investments – Common Pension Fund A October 31, 2023

Presents underlying fund level information including the Portfolio's original commitments, funded amounts to date, remaining commitments and the distributions to date.

	Inception Date	Last Valuation Date	Commitment	A Amount Contributed	Unfunded Commitment	B Current Market Value <sub>2</sub>	C Total Distributed,	=(B+C) Total Value	=(B+C)/A Total Value Multiple
Private Lending			2,657,703,753	1,265,445,255	1,452,576,725	1,245,663,646	128,042,475	1,373,706,121	1.09
**CVC Credit Partners EU DL II Co-Invest Fund	May-21	Jun-23	114,618,753	110,999,995	20,390,127	77,442,598	34,801,207	112,243,805	1.01
CVC Credit Partners EU DL III	Dec-21	Jun-23	168,890,000	135,412,925	51,860,451	125,630,167	21,960,046	147,590,214	1.09
CVC Credit Partners EU DL III Co-Invest SCSp	Jul-22	Jun-23	168,890,000	129,312,263	64,741,219	125,829,016	27,617,617	153,446,633	1.19
Eagle Point Defensive Income Fund NJ LP	Dec-21	Jun-23	120,000,000	120,000,000	0	127,415,640	0	127,415,640	1.06
Eagle Point Defensive Income Fund US LP	Sep-21	Jun-23	55,305,000	53,756,460	1,548,540	51,849,235	6,149,165	57,998,400	1.08
Blue Owl Diversified Holdings LLC	Aug-22	Jun-23	0	0	0	18,058,607	318,149	18,376,756	0.00
Blue Owl Diversified Lending 2020 Fund LP	Aug-22	Jun-23	350,000,000	192,500,000	157,500,000	196,481,285	16,570,410	213,051,695	1.11
Sixth Street Mid-Stage Growth Partners (A) LP	Oct-22	Jun-23	50,000,000	8,875,286	41,124,714	8,744,855	0	8,744,855	0.99
Sixth Street Growth Partners II (A) LP	Oct-22	Jun-23	130,000,000	27,492,015	102,507,985	27,021,462	0	27,021,462	0.98
West Street NJ Private Credit Partners	Dec-22	Jun-23	500,000,000	247,096,311	252,903,689	248,619,741	18,116,115	266,735,856	1.08
West Street/NJ BSL Credit Partnership LP	May-23	Sep-23	1,000,000,000	240,000,000	760,000,000	238,571,040	2,509,765	241,080,805	1.00
Private Credit Subtotal		-	2,807,703,753	1,302,945,255	1,565,076,725	1,283,143,396	128,062,739	1,411,206,135	1.08
Grand Total		-	6,237,216,406	1,913,716,103	4,395,624,266	1,934,080,913	142,772,821	2,076,853,734	1.09

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

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 1.0570 EUR as of 10/31/2023

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 October, 2023

	Contributions to Commo	on Funds from Pensi	on Funds for the Mont	h
Date	Withdrawal Amount	From Pension Fund(s)	Contribution Amount	To Common Fund(s)
		Not Applicable		
	\$		\$-	-
	Withdrawals from Comr	mon Funds to Pensio	on Funds for the Month	1
Date	Withdrawal Amount	From Common Fund(s)	Contribution Amount	To Pension Fund(s)
10/6/2023	\$ 89,000,000.00	L	\$ 69,224,200.00 18,707,800.00 1,068,000.00	TPA PERS P&F
	\$ 89,000,000.00		\$ 89,000,000.00	=
	Transfers between Co	ommon and Pension	Funds, Summarized	
Octob	er, 2023		Fiscal	Year 2024
Pension Fund	Net Amount Into (Out of) Pension Funds		Pension Fund	Net Amount Into (Out of) Pension Funds
JRS P&F PERS SPRS TPA	\$ - 1,068,000.00 18,707,800.00 - 69,224,200.00		JRS P&F PERS SPRS TPA	\$ (450,000.00) 169,278,000.00 (6,581,200.00) (5,650,000.00) 237,403,200.00
	\$ 89,000,000.00			\$ 394,000,000.00

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