Rhode Island State Investment Commission

Private Equity, Private Credit, and Real Asset Pacing Plan



For Use With Institutional Investors Only - Not For the Retail Public.



Recommended Pacing Plans

For Use With Institutional Investors Only - Not For the Retail Public.

Recommended Pacing Plan



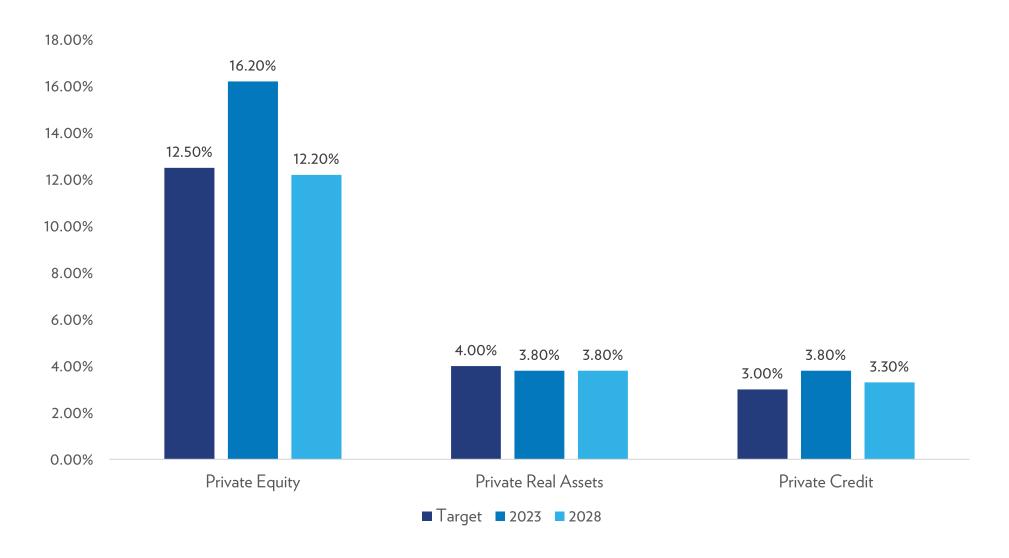
Commitments (\$millions)

	Private Equity	Private Real Assets	Private Credit
2024	240	75	75
2025	280	75	75
2026	320	85	75
2027	360	85	75
2028	400	95	75
2029	440	95	75

Pacing Plan Projections



Target, Current, and Five-Year Forecast



Pacing Plan Projections



Forecasted Cash Flows

Pacing Plan and Forecast De	ec 2023 (amounts in \$0	00)			
_	2024	2025	2026	2027	2028
Commitments					
Private Equity	240,000	280,000	320,000	360,000	400,000
Private Credit	75,000	75,000	75,000	75,000	75,000
Private Real Assets	75,000	75,000	85,000	85,000	95,000
Contributions					
Private Equity	(410,446)	(301,460)	(288,658)	(300,033)	(324,415)
Private Credit	(126,261)	(85,942)	(79,377)	(76,751)	(75,700)
Private Real Assets	(53,014)	(52,709)	(58,041)	(65,179)	(71,773)
Distributions					
Private Equity	534,484	532,010	520,653	506,790	488,225
Private Credit	129,059	114,578	126,124	128,839	117,527
Private Real Assets	54,569	65,306	74,325	81,524	87,237
Net Cash Flow					
Private Equity	124,038	230,550	231,995	206,757	163,811
Private Credit	2,798	28,636	46,748	52,088	41,827
Private Real Assets	1,555	12,597	16,283	16,345	15,464

Proposed Private Equity Pacing Plan



Pacing Plan

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024		12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	, ,	, ,	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,492,369	1,440,064	1,375,972	1,326,545	1,310,314	1,336,821	1,404,712	1,501,149	1,613,107
4	Venture Capital	239,703	261,724	275,834	285,924	293,687	299,062	303,040	306,353	309,261	313,076
5	Distressed Debt	66,569	47,052	23,683	9,248	1,182	64	19	6	2	1
10	Private Equity Total	1,760,433	1,801,145	1,739,582	1,671,144	1,621,414	1,609,440	1,639,881	1,711,071	1,810,412	1,926,184
	•										
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	Buyout	82.6%	82.9%	82.8%	82.3%	81.8%	81.4%	81.5%	82.1%	82.9%	83.7%
12	2 Venture Capital	13.6%	14.5%	15.9%	17.1%	18.1%	18.6%	18.5%	17.9%	17.1%	16.3%
13	B Distressed Debt	3.8%	2.6%	1.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
16	Private Equity Fair Value as % of Total Plan Assets	16.2%	15.9%	14.8%	13.7%	12.8%	12.2%	11.9%	12.0%	12.2%	12.5%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	Private Equity Unfunded Commitments	865,801	695,355	673,894	705,237	765,204	840,789	924,927	976,758	1,042,266	1,083,846
19	Unfunded Commitments + FV	2,626,234	2,496,500	2,413,476	2,376,380	2,386,618	2,450,229	2,564,808	2,687,828	2,852,678	3,010,030
20	Unfunded Commitments + FV as % of Assets	24.2%	22.1%	20.5%	19.4%	18.8%	18.5%	18.6%	18.8%	19.2%	19.5%
21	Ratio of Unf Com + FV to Target Allocation	1.93x	1.77x	1.64x	1.55x	1.50x	1.48x	1.49x	1.50x	1.53x	1.56x
	Net Cash Flow Requirements		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
27	Total Net Cash Flow to Private Equity		124,038	230,550	231,995	206,757	163,811	119,345	80,201	57,272	48,669
	Annual Commitments by Strategy		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
2	8 Existing Commitments		0	0	0	0	0	0	0	0	0
2	9 Buyout		210,000	240,000	275,000	310,000	340,000	375,000	375,000	410,000	410,000
	0 Venture Capital		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000
3	5 Total Annual Commitments to Private Equity		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Total Plan Assets assumed to grow at 4.0%										

Proposed Private Credit Pacing Plan



Pacing Plan

ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1 Forecast Plan Total Assets	10,868,782	11,303,533	11,755,675	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
New Commitments		75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Private Credit Fair Value by Sector:										
10 Private Credit Total	410,348	445,301	457,633	452,987	442,574	441,464	447,179	453,259	453,824	452,743
16 Private Credit Fair Value as % of Total Plan Assets	3.8%	3.9%	3.9%	3.7%	3.5%	3.3%	3.3%	3.2%	3.1%	2.9%
17 Private Credit Target Asset Allocation	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18 Private Equity Unfunded Commitments	191,685	140,424	129,482	125,105	123,355	122,654	122,374	122,262	122,217	122,199
19 Unfunded Commitments + FV	602,033	585,725	587,115	578,092	565,928	564,118	569,553	575,521	576,041	574,942
20 Unfunded Commitments + FV as % of Assets	5.5%	5.2%	5.0%	4.7%	4.5%	4.3%	4.1%	4.0%	3.9%	3.7%
21 Ratio of Unf Com + FV to Target Allocation	1.85x	1.73x	1.66x	1.58x	1.48x	1.42x	1.38x	1.34x	1.29x	1.24x
27 Total Net Cash Flow to Private Credit		2,798	28,636	46,748	52,088	41,827	34,899	35,060	41,135	42,833
35 Total Annual Commitments to Private Credit		75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Total Plan Assets assumed to grow at 4.0%										

Proposed Private Real Asset Pacing Plan



Pacing Plan

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	11,303,533	11,755,675	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		75,000	75,000	85,000	85,000	95,000	95,000	105,000	105,000	105,000
	Private RA Fair Value by Sector:										
10	Private RA Total	406,077	433,963	452,828	469,375	487,060	506,908	529,654	555,530	584,606	615,822
		2 = 2/	2.20/	2.20/	2.20/	0.00/	2.20/	0.00/	2.00/	2.00/	1.00/
16		3.7%	3.8%	3.9%	3.8%	3.8%	3.8%	3.9%	3.9%	3.9%	4.0%
17	Private RA Target Asset Allocation	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%	4.0%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	Private RA Unfunded Commitments	143,866	165,852	188,143	215,101	234,922	258,149	275,143	296,305	311,818	322,680
19	Unfunded Commitments + FV	549,943	599,814	640,971	684,477	721,982	765,057	804,797	851,834	896,424	938,502
20	Unfunded Commitments + FV as % of Assets	5.1%	5.3%	5.5%	5.6%	5.7%	5.8%	5.9%	6.0%	6.0%	6.1%
21	Ratio of Unf Com + FV to Target Allocation	1.26x	1.33x	1.36x	1.40x	1.42x	1.45x	1.46x	1.49x	1.51x	1.52x
27	Total Net Cash Flow to Private RA		1,555	12,597	16,283	16,345	15,464	14,004	12,524	11,200	11,168
35	Total Annual Commitments to Private RA		75,000	75,000	85,000	85,000	95,000	95,000	105,000	105,000	105,000
						_			_		
	Total Plan Assets assumed to grow at 4.0%										
	Total Plan Assets assumed to grow at 4.0%										



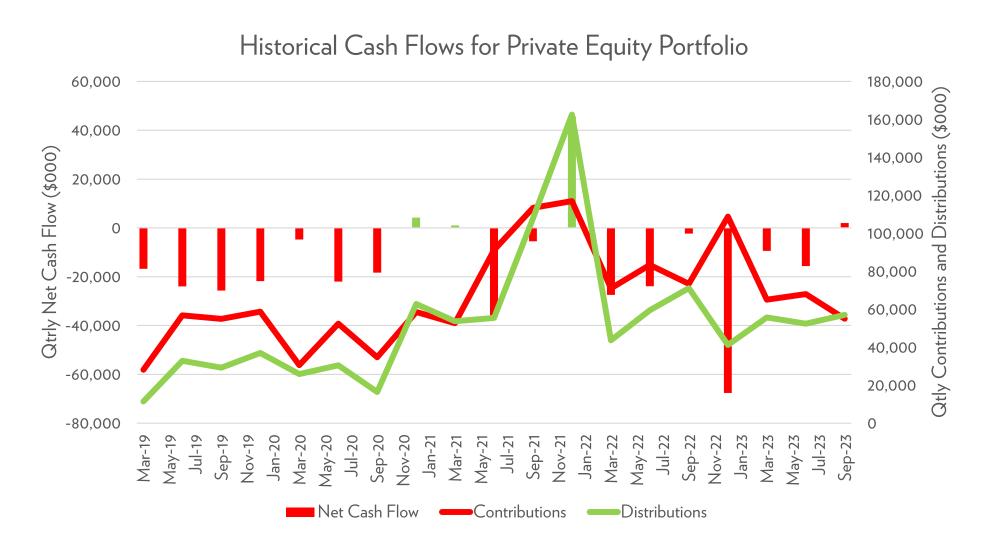
Historical Cash Flows

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Private Equity Cash Flows



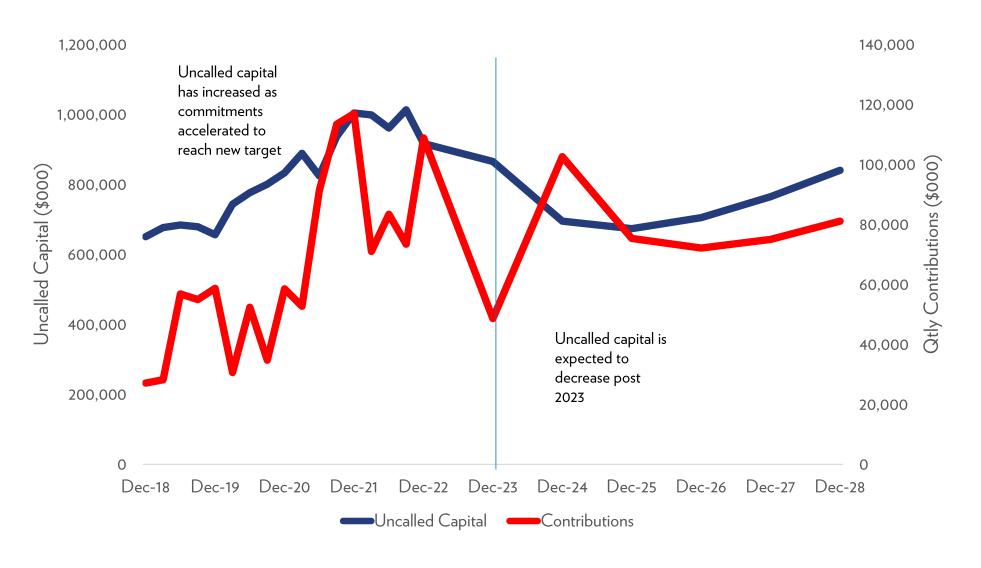
Cash flow has been negative with increased commitments, turned positive in Q3 2023



Expected Contributions



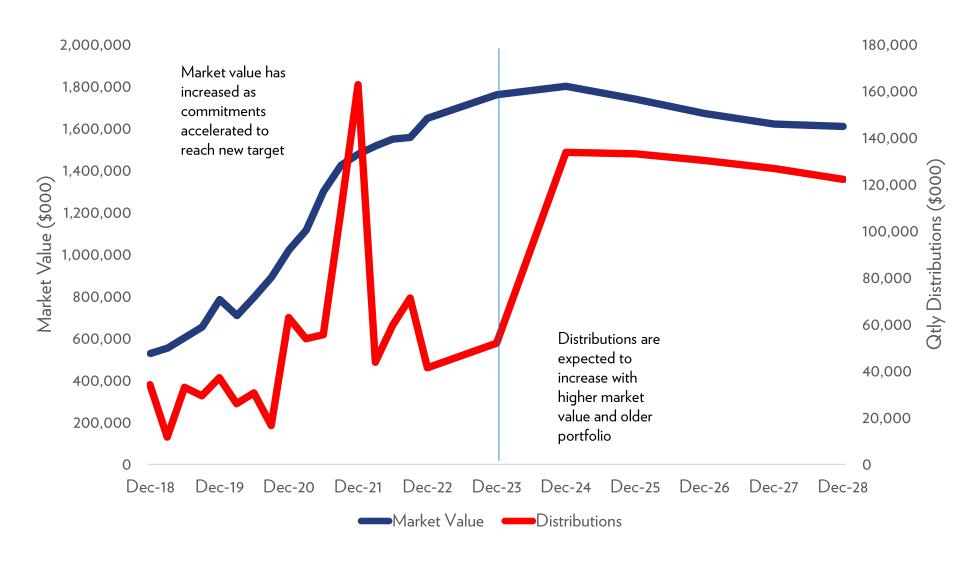
Contributions are a function of uncalled capital



Expected Distributions



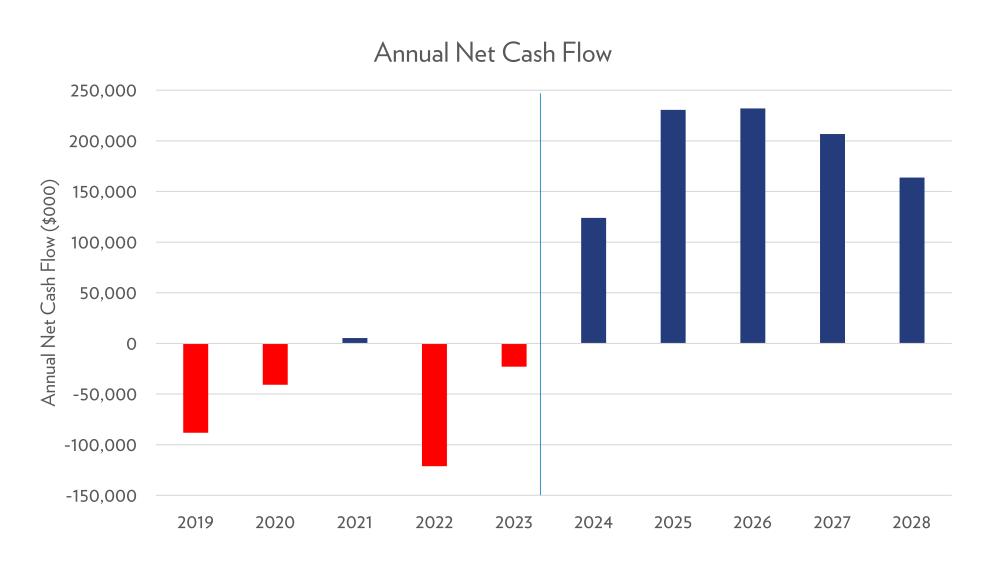
Distributions are a function of market value and age of investments



Expected Net Cash Flows



Cash flows expected to be positive post 2023 as the portfolio matures



Pacing Plan Projections



Comparison of Prior Pacing Plans

Comparison of Historical Pacing	g Plans (amounts	in \$000,000)							
. ,	Date of PM	Total Fund	Commit	ments	Distributions	Contributions	Net Flows	Exposur	9
	Data	Market Value	2024	2024-28	2024-28	2024-28	2024-28	2024	2028
December 2022 Pacing Plan	9/30/2022	9,860	200	1,400	2,388	(1,384)	1,004	16.3%	12.3%
March 2023 Pacing Plan	12/31/2022	10,267	200	1,400	2,466	(1,402)	1,064	16.5%	12.4%
June 2023 Pacing Plan	3/31/2023	10,577	200	1,425	2,507	(1,515)	992	16.3%	12.6%
Private Credit									
	Date of PM	Total Fund	Commit	ments	Distributions	Contributions	Net Flows	Exposur	9
	Data	Market Value	2024	2024-28	2024-28	2024-28	2024-28	2024	2028
December 2022 Pacing Plan	9/30/2022	9,860	100	500	693	(522)	171	3.4%	2.8%
March 2023 Pacing Plan	12/31/2022	10,267	100	500	727	(523)	204	3.6%	3.0%
June 2023 Pacing Plan	3/31/2023	10,577	75	375	597	(402)	195	3.8%	3.4%
Private Real Assets									
	Date of PM	Total Fund	Commit	ments	Distributions	Contributions	Net Flows	Exposur	9
	Data	Market Value	2024	2024-28	2024-28	2024-28	2024-28	2024	2028
December 2022 Pacing Plan	9/30/2022	9,860	50	250	372	(321)	51	4.3%	4.2%
March 2023 Pacing Plan	12/31/2022	10,267	50	250	367	(298)	69	4.4%	4.5%
June 2023 Pacing Plan	3/31/2023	10,577	50	280	353	(262)	91	4.0%	4.0%



Stress Tests

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Stress Testing



Scenarios

Scenario	Description	Peak PE Allocation	2026 Allocation	2028 Allocation
Base Case	Current Assumptions	16.2%	13.7%	12.2%
No Commitments	No New Commitments	16.2%	11.4%	7.1%
Scenario 1	Distributions are at 50% of normal levels in 2024 and 2025	18.9%	15.9%	12.9%
Scenario 2	Total Fund declines 10% in 2024 and recovers in 2026	18.4%	13.7%	12.2%
Scenario 3	Scenario 1 + Scenario 2	22.8%	15.9%	12.9%
Scenario 4	Private equity returns are 2% lower PA over the forecasted period	16.2%	13.2%	11.9%
Scenario 5	Total Fund grows at 2% PA rather than 4% PA	16.2%	14.5%	13.4\$



Base Case

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	11,303,533	11,755,675	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,492,369	1,440,064	1,375,972	1,326,545	1,310,314	1,336,821	1,404,712	1,501,149	1,613,107
4	Venture Capital	239,703	261,724	275,834	285,924	293,687	299,062	303,040	306,353	309,261	313,076
5	Distressed Debt	66,569	47,052	23,683	9,248	1,182	64	19	6	2	1
10	Private Equity Total	1,760,433	1,801,145	1,739,582	1,671,144	1,621,414	1,609,440	1,639,881	1,711,071	1,810,412	1,926,184
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	Buyout	82.6%	82.9%	82.8%	82.3%	81.8%	81.4%	81.5%	82.1%	82.9%	83.7%
	Venture Capital	13.6%	14.5%	15.9%	17.1%	18.1%	18.6%	18.5%	17.9%	17.1%	16.3%
	Distressed Debt	3.8%	2.6%	1.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
.0	2.000004 2021	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
16	Private Equity Fair Value as % of Total Plan Assets	16.2%	15.9%	14.8%	13.7%	12.8%	12.2%	11.9%	12.0%	12.2%	12.5%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	Private Equity Unfunded Commitments	865,801	695,355	673,894	705,237	765,204	840,789	924,927	976,758	1,042,266	1,083,846
	Unfunded Commitments + FV	2,626,234	2,496,500	,	2,376,380	2,386,618	2,450,229	2,564,808	2,687,828	2,852,678	3,010,030
20	Unfunded Commitments + FV as % of Assets	24.2%	22.1%	20.5%	19.4%	18.8%	18.5%	18.6%	18.8%	19.2%	19.5%
21	Ratio of Unf Com + FV to Target Allocation	1.93x	1.77x	1.64x	1.55x	1.50x	1.48x	1.49x	1.50x	1.53x	1.56x
- '	Trade of one com . I vio ranget modulon	1.00%	1.77%	1.04%	1.00%	1.00%	1.40%	1.40%	1.00%	1.00%	1.00%
	Net Cash Flow Requirements		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
27	Total Net Cash Flow to Private Equity		124,038	230,550	231,995	206,757	163,811	119,345	80,201	57,272	48,669
	Annual Commitments by Strategy		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
	Existing Commitments		0	0	0	0	0	0	0	0	0
	Buyout		210,000	240,000	275,000	310,000	340,000	375,000	375,000	410,000	410,000
	Venture Capital		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000
35	Total Annual Commitments to Private Equity		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Total Diam Assets assumed to arought 4.00/										
	Total Plan Assets assumed to grow at 4.0%										



No Commitments

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	11,303,533	11,755,675	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		0	0	0	0	0	0	0	0	0
	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024		12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,476,619	1,347,172	1,132,524	882,070	634,539	418,636	250,675	134,270	63,089
4	Venture Capital	239,703	259,474	262,136	248,680	223,990	191,368	154,054	115,743	80,300	50,835
5	Distressed Debt	66,569	47,052	23,683	9,248	1,182	64	19	6	2	1
10	Private Equity Total	1,760,433	1,783,145	1,632,991	1,390,451	1,107,242	825,971	572,709	366,424	214,571	113,924
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	Buyout	82.6%	82.8%	82.5%	81.5%	79.7%	76.8%	73.1%	68.4%	62.6%	55.4%
	Venture Capital	13.6%	14.6%	16.1%	17.9%	20.2%	23.2%	26.9%	31.6%	37.4%	44.6%
	Distressed Debt	3.8%	2.6%	1.5%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
'0	Distressed Best	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		100.070	100.070	100.070	100.070	100.070	100.070	100.070	100.070	100.070	100.070
	Private Equity Fair Value as % of Total Plan Assets	16.2%	15.8%	13.9%	11.4%	8.7%	6.2%	4.2%	2.6%	1.4%	0.7%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	Private Equity Unfunded Commitments	865,801	473,355	259,494	142,467	78,280	43,031	23,660	13,011	7,155	3,935
19	Unfunded Commitments + FV	0.000.004	0.050.500	1,892,486	1,532,918	1,185,522	869,002	596,370	379,435	221,727	117,859
	Official Confinition 5 + FV	2,626,234	2,256,500	1,092,400	1,332,310	.,,		330,370	313,433	221,121	
20	Unfunded Commitments + FV as % of Assets	2,626,234	2,256,500	16.1%	12.5%	9.3%	6.6%	4.3%	2.7%	1.5%	0.8%
_											
_	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation	24.2%	20.0% 1.60x	16.1% 1.29x	12.5% 1.00x	9.3% 0.75x	6.6% 0.53x	4.3% 0.35x	2.7% 0.21x	1.5% 0.12x	0.8% 0.06x
21	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements	24.2%	20.0% 1.60x 12/31/2024	16.1% 1.29x 12/31/2025	12.5% 1.00x 12/31/2026	9.3% 0.75x 12/31/2027	6.6% 0.53x 12/31/2028	4.3% 0.35x 12/31/2029	2.7% 0.21x 12/31/2030	1.5% 0.12x 12/31/2031	0.8% 0.06x 12/31/2032
_	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation	24.2%	20.0% 1.60x	16.1% 1.29x	12.5% 1.00x	9.3% 0.75x	6.6% 0.53x	4.3% 0.35x	2.7% 0.21x	1.5% 0.12x	0.8% 0.06x
27	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy	24.2%	20.0% 1.60x 12/31/2024	16.1% 1.29x 12/31/2025 317,530	12.5% 1.00x 12/31/2026	9.3% 0.75x 12/31/2027	6.6% 0.53x 12/31/2028	4.3% 0.35x 12/31/2029	2.7% 0.21x 12/31/2030	1.5% 0.12x 12/31/2031	0.8% 0.06x 12/31/2032
27	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity	24.2%	20.0% 1.60x 12/31/2024 142,038	16.1% 1.29x 12/31/2025 317,530	12.5% 1.00x 12/31/2026 396,556	9.3% 0.75x 12/31/2027 415,115	6.6% 0.53x 12/31/2028 387,089	4.3% 0.35x 12/31/2029 332,927	2.7% 0.21x 12/31/2030 262,164	1.5% 0.12x 12/31/2031 188,120	0.8% 0.06x 12/31/2032 122,260
21 27 28	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy	24.2%	20.0% 1.60x 12/31/2024 142,038 12/31/2024	16.1% 1.29x 12/31/2025 317,530 12/31/2025	12.5% 1.00x 12/31/2026 396,556 12/31/2026	9.3% 0.75x 12/31/2027 415,115 12/31/2027	6.6% 0.53x 12/31/2028 387,089 12/31/2028	4.3% 0.35x 12/31/2029 332,927 12/31/2029	2.7% 0.21x 12/31/2030 262,164 12/31/2030	1.5% 0.12x 12/31/2031 188,120 12/31/2031	0.8% 0.06x 12/31/2032 122,260 12/31/2032
21 27 28 29 30	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout Venture Capital	24.2%	20.0% 1.60x 12/31/2024 142,038 12/31/2024 0 0 0	16.1% 1.29x 12/31/2025 317,530 12/31/2025 0 0	12.5% 1.00x 12/31/2026 396,556 12/31/2026 0 0	9.3% 0.75x 12/31/2027 415,115 12/31/2027 0 0	6.6% 0.53x 12/31/2028 387,089 12/31/2028 0 0	4.3% 0.35x 12/31/2029 332,927 12/31/2029 0 0	2.7% 0.21x 12/31/2030 262,164 12/31/2030 0 0	1.5% 0.12x 12/31/2031 188,120 12/31/2031 0 0	0.8% 0.06x 12/31/2032 122,260 12/31/2032 0 0 0
21 27 28 29 30	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout	24.2%	20.0% 1.60x 12/31/2024 142,038 12/31/2024 0 0	16.1% 1.29x 12/31/2025 317,530 12/31/2025 0 0	12.5% 1.00x 12/31/2026 396,556 12/31/2026 0	9.3% 0.75x 12/31/2027 415,115 12/31/2027 0 0	6.6% 0.53x 12/31/2028 387,089 12/31/2028 0 0	4.3% 0.35x 12/31/2029 332,927 12/31/2029 0 0	2.7% 0.21x 12/31/2030 262,164 12/31/2030 0	1.5% 0.12x 12/31/2031 188,120 12/31/2031 0 0	0.8% 0.06x 12/31/2032 122,260 12/31/2032 0 0
21 27 28 29 30	Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout Venture Capital	24.2%	20.0% 1.60x 12/31/2024 142,038 12/31/2024 0 0 0	16.1% 1.29x 12/31/2025 317,530 12/31/2025 0 0	12.5% 1.00x 12/31/2026 396,556 12/31/2026 0 0	9.3% 0.75x 12/31/2027 415,115 12/31/2027 0 0	6.6% 0.53x 12/31/2028 387,089 12/31/2028 0 0	4.3% 0.35x 12/31/2029 332,927 12/31/2029 0 0	2.7% 0.21x 12/31/2030 262,164 12/31/2030 0 0	1.5% 0.12x 12/31/2031 188,120 12/31/2031 0 0	0.8% 0.06x 12/31/2032 122,260 12/31/2032 0 0 0



Scenario 1 – Lower distributions in 2024/2025

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	11,303,533	11,755,675	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,710,522	1,844,776	1,610,318	1,464,493	1,387,844	1,377,213	1,423,779	1,509,166	1,616,057
4	Venture Capital	239,703	294,105	332,961	321,776	317,345	314,600	313,035	312,490	312,746	314,850
5	Distressed Debt	66,569	63,760	49,717	14,026	1,707	64	19	6	2	1
10	Private Equity Total	1,760,433	2,068,387	2,227,454	1,946,120	1,783,545	1,702,509	1,690,268	1,736,276	1,821,914	1,930,908
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	Buyout	82.6%	82.7%	82.8%	82.7%	82.1%	81.5%	81.5%	82.0%	82.8%	83.7%
	Venture Capital	13.6%	14.2%	14.9%	16.5%	17.8%	18.5%	18.5%	18.0%	17.2%	16.3%
	Distressed Debt	3.8%	3.1%	2.2%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
	2.61.99994 2001	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
		100.076	.00.070	100.070	.00.070	100.070	100.070	.00.070	.00.070	.00.070	.00.075
16	Private Equity Fair Value as % of Total Plan Assets	16.2%	18.3%	18.9%	15.9%	14.0%	12.9%	12.3%	12.1%	12.2%	12.5%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
17	Private Equity Target Asset Allocation Unfunded Commitments and Fair Value	12.5% 12/31/2023	12.5% 12/31/2024		12.5% 12/31/2026	12.5% 12/31/2027	12.5% 12/31/2028	12.5% 12/31/2029	12.5% 12/31/2030	12.5% 12/31/2031	12.5% 12/31/2032
17											
18	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments	12/31/2023 865,801	12/31/2024 695,355	12/31/2025 673,894	12/31/2026 705,237	12/31/2027 765,204	12/31/2028 840,789	12/31/2029 924,927	12/31/2030 976,758	12/31/2031 1,042,266	12/31/2032 1,083,846
18	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV	12/31/2023 865,801 2,626,234	12/31/2024 695,355 2,763,742	12/31/2025 673,894 2,901,349	12/31/2026 705,237 2,651,357	12/31/2027 765,204 2,548,749	12/31/2028 840,789 2,543,298	12/31/2029 924,927 2,615,195	12/31/2030 976,758 2,713,034	12/31/2031 1,042,266 2,864,181	12/31/2032 1,083,846 3,014,754
18 19 20	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5%	12/31/2025 673,894 2,901,349 24.7% 1.97x	12/31/2026 705,237 2,651,357 21.7%	12/31/2027 765,204 2,548,749 20.0%	12/31/2028 840,789 2,543,298 19.2%	12/31/2029 924,927 2,615,195 19.0%	12/31/2030 976,758 2,713,034 19.0%	12/31/2031 1,042,266 2,864,181 19.3%	12/31/2032 1,083,846 3,014,754 19.5%
18 19 20	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032
18 19 20 21	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x	12/31/2025 673,894 2,901,349 24.7% 1.97x	12/31/2026 705,237 2,651,357 21.7% 1.73x	12/31/2027 765,204 2,548,749 20.0% 1.60x	12/31/2028 840,789 2,543,298 19.2% 1.54x	12/31/2029 924,927 2,615,195 19.0% 1.52x	12/31/2030 976,758 2,713,034 19.0% 1.52x	12/31/2031 1,042,266 2,864,181 19.3% 1.54x	12/31/2032 1,083,846 3,014,754 19.5% 1.56x
18 19 20 21	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024 (143,204) 12/31/2024	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025 34,809 12/31/2025	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026 490,268 12/31/2026	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031 73,414 12/31/2031	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032
18 19 20 21 27	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024 (143,204) 12/31/2024	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025 34,809 12/31/2025 0	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026 490,268 12/31/2026 0	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027 345,287 12/31/2027 0	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028 248,092 12/31/2028 0	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029 170,821 12/31/2029 0	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030 110,192 12/31/2030 0	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031 73,414 12/31/2031 0	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032 56,581 12/31/2032 0
18 19 20 21 27	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024 (143,204) 12/31/2024 0 210,000	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025 34,809 12/31/2025 0 240,000	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026 490,268 12/31/2026 0 275,000	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027 345,287 12/31/2027 0 310,000	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028 248,092 12/31/2028 0 340,000	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029 170,821 12/31/2029 0 375,000	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030 110,192 12/31/2030 0 375,000	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031 73,414 12/31/2031 0 410,000	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032 56,581 12/31/2032 0 410,000
18 19 20 21 27 28 29 30	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout Venture Capital	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024 (143,204) 12/31/2024 0 210,000 30,000	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025 34,809 12/31/2025 0 240,000 40,000	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026 490,268 12/31/2026 0 275,000 45,000	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027 345,287 12/31/2027 0 310,000 50,000	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028 248,092 12/31/2028 0 340,000 60,000	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029 170,821 12/31/2029 0 375,000 65,000	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030 110,192 12/31/2030 0 375,000 65,000	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031 73,414 12/31/2031 0 410,000 70,000	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032 56,581 12/31/2032 0 410,000 70,000
18 19 20 21 27 28 29 30	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024 (143,204) 12/31/2024 0 210,000	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025 34,809 12/31/2025 0 240,000	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026 490,268 12/31/2026 0 275,000	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027 345,287 12/31/2027 0 310,000	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028 248,092 12/31/2028 0 340,000	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029 170,821 12/31/2029 0 375,000	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030 110,192 12/31/2030 0 375,000	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031 73,414 12/31/2031 0 410,000	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032 56,581 12/31/2032 0 410,000
18 19 20 21 27 28 29 30	Unfunded Commitments and Fair Value Private Equity Unfunded Commitments Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout Venture Capital	12/31/2023 865,801 2,626,234 24.2%	12/31/2024 695,355 2,763,742 24.5% 1.96x 12/31/2024 (143,204) 12/31/2024 0 210,000 30,000	12/31/2025 673,894 2,901,349 24.7% 1.97x 12/31/2025 34,809 12/31/2025 0 240,000 40,000	12/31/2026 705,237 2,651,357 21.7% 1.73x 12/31/2026 490,268 12/31/2026 0 275,000 45,000	12/31/2027 765,204 2,548,749 20.0% 1.60x 12/31/2027 345,287 12/31/2027 0 310,000 50,000	12/31/2028 840,789 2,543,298 19.2% 1.54x 12/31/2028 248,092 12/31/2028 0 340,000 60,000	12/31/2029 924,927 2,615,195 19.0% 1.52x 12/31/2029 170,821 12/31/2029 0 375,000 65,000	12/31/2030 976,758 2,713,034 19.0% 1.52x 12/31/2030 110,192 12/31/2030 0 375,000 65,000	12/31/2031 1,042,266 2,864,181 19.3% 1.54x 12/31/2031 73,414 12/31/2031 0 410,000 70,000	12/31/2032 1,083,846 3,014,754 19.5% 1.56x 12/31/2032 56,581 12/31/2032 0 410,000 70,000



Scenario 2 –Total fund declines 10% in 2024 and recovers in 2026

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	9,781,904	9,781,904	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,492,369	1,440,064	1,375,972	1,326,545	1,310,314	1,336,821	1,404,712	1,501,149	1,613,107
4	Venture Capital	239,703	261,724	275,834	285,924	293,687	299,062	303,040	306,353	309,261	313,076
5	Distressed Debt	66,569	47,052	23,683	9,248	1,182	64	19	6	2	1
10	Private Equity Total	1,760,433	1,801,145	1,739,582	1,671,144	1,621,414	1,609,440	1,639,881	1,711,071	1,810,412	1,926,184
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	Buyout	82.6%	82.9%	82.8%	82.3%	81.8%	81.4%	81.5%	82.1%	82.9%	83.7%
12	Properties	13.6%	14.5%	15.9%	17.1%	18.1%	18.6%	18.5%	17.9%	17.1%	16.3%
13	B Distressed Debt	3.8%	2.6%	1.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
16	Private Equity Fair Value as % of Total Plan Assets	16.2%	18.4%	17.8%	13.7%	12.8%	12.2%	11.9%	12.0%	12.2%	12.5%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024		12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	. B E			672.004	705,237	765,204	840,789	924,927	976,758	1,042,266	1,083,846
	Private Equity Unfunded Commitments	865,801	695,355	673,894		,		,	,	, ,	
	Unfunded Commitments + FV	2,626,234	2,496,500	2,413,476	2,376,380	2,386,618	2,450,229	2,564,808	2,687,828	2,852,678	3,010,030
19 20	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets	2,626,234 24.2%	2,496,500 25.5%	2,413,476 24.7%	2,376,380 19.4%	2,386,618 18.8%	18.5%	2,564,808 18.6%	2,687,828 18.8%	2,852,678 19.2%	19.5%
19 20	Unfunded Commitments + FV	2,626,234	2,496,500	2,413,476	2,376,380	2,386,618		2,564,808	2,687,828	2,852,678	
19 20	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation	2,626,234 24.2%	2,496,500 25.5% 2.04x	2,413,476 24.7% 1.97x	2,376,380 19.4% 1.55x	2,386,618 18.8% 1.50x	18.5% 1.48x	2,564,808 18.6% 1.49x	2,687,828 18.8% 1.50x	2,852,678 19.2% 1.53x	19.5% 1.56x
19 20	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024	2,413,476 24.7% 1.97x 12/31/2025	2,376,380 19.4% 1.55x 12/31/2026	2,386,618 18.8% 1.50x 12/31/2027	18.5% 1.48x 12/31/2028	2,564,808 18.6% 1.49x 12/31/2029	2,687,828 18.8% 1.50x 12/31/2030	2,852,678 19.2% 1.53x 12/31/2031	19.5% 1.56x 12/31/2032
19 20	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements	2,626,234 24.2%	2,496,500 25.5% 2.04x	2,413,476 24.7% 1.97x	2,376,380 19.4% 1.55x	2,386,618 18.8% 1.50x	18.5% 1.48x	2,564,808 18.6% 1.49x	2,687,828 18.8% 1.50x	2,852,678 19.2% 1.53x	19.5% 1.56x
19 20 21	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038	2,413,476 24.7% 1.97x 12/31/2025 230,550	2,376,380 19.4% 1.55x 12/31/2026 231,995	2,386,618 18.8% 1.50x 12/31/2027 206,757	18.5% 1.48x 12/31/2028 163,811	2,564,808 18.6% 1.49x 12/31/2029 119,345	2,687,828 18.8% 1.50x 12/31/2030 80,201	2,852,678 19.2% 1.53x 12/31/2031 57,272	19.5% 1.56x 12/31/2032 48,669
19 20 21 27	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038 12/31/2024	2,413,476 24.7% 1.97x 12/31/2025 230,550 12/31/2025	2,376,380 19.4% 1.55x 12/31/2026 231,995 12/31/2026	2,386,618 18.8% 1.50x 12/31/2027 206,757 12/31/2027	18.5% 1.48x 12/31/2028 163,811 12/31/2028	2,564,808 18.6% 1.49x 12/31/2029 119,345 12/31/2029	2,687,828 18.8% 1.50x 12/31/2030 80,201 12/31/2030	2,852,678 19.2% 1.53x 12/31/2031 57,272 12/31/2031	19.5% 1.56x 12/31/2032 48,669 12/31/2032
19 20 21 27	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy 8 Existing Commitments	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038 12/31/2024 0	2,413,476 24.7% 1.97x 12/31/2025 230,550 12/31/2025 0	2,376,380 19.4% 1.55x 12/31/2026 231,995 12/31/2026 0	2,386,618 18.8% 1.50x 12/31/2027 206,757 12/31/2027 0	18.5% 1.48x 12/31/2028 163,811 12/31/2028 0	2,564,808 18.6% 1.49x 12/31/2029 119,345 12/31/2029 0	2,687,828 18.8% 1.50x 12/31/2030 80,201 12/31/2030 0	2,852,678 19.2% 1.53x 12/31/2031 57,272 12/31/2031 0	19.5% 1.56x 12/31/2032 48,669 12/31/2032 0
19 20 21 27 27	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038 12/31/2024 0 210,000	2,413,476 24.7% 1.97x 12/31/2025 230,550 12/31/2025 0 240,000	2,376,380 19.4% 1.55x 12/31/2026 231,995 12/31/2026 0 275,000	2,386,618 18.8% 1.50x 12/31/2027 206,757 12/31/2027 0 310,000	18.5% 1.48x 12/31/2028 163,811 12/31/2028 0 340,000	2,564,808 18.6% 1.49x 12/31/2029 119,345 12/31/2029 0 375,000	2,687,828 18.8% 1.50x 12/31/2030 80,201 12/31/2030 0 375,000	2,852,678 19.2% 1.53x 12/31/2031 57,272 12/31/2031 0 410,000	19.5% 1.56x 12/31/2032 48,669 12/31/2032 0 410,000
19 20 21 27 2 2 3	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout Venture Capital	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038 12/31/2024 0 210,000 30,000	2,413,476 24.7% 1.97x 12/31/2025 230,550 12/31/2025 0 240,000 40,000	2,376,380 19.4% 1.55x 12/31/2026 231,995 12/31/2026 0 275,000 45,000	2,386,618 18.8% 1.50x 12/31/2027 206,757 12/31/2027 0 310,000 50,000	18.5% 1.48x 12/31/2028 163,811 12/31/2028 0 340,000 60,000	2,564,808 18.6% 1.49x 12/31/2029 119,345 12/31/2029 0 375,000 65,000	2,687,828 18.8% 1.50x 12/31/2030 80,201 12/31/2030 0 375,000 65,000	2,852,678 19.2% 1.53x 12/31/2031 57,272 12/31/2031 0 410,000 70,000	19.5% 1.56x 12/31/2032 48,669 12/31/2032 0 410,000 70,000
19 20 21 27 2 2 3	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038 12/31/2024 0 210,000	2,413,476 24.7% 1.97x 12/31/2025 230,550 12/31/2025 0 240,000	2,376,380 19.4% 1.55x 12/31/2026 231,995 12/31/2026 0 275,000	2,386,618 18.8% 1.50x 12/31/2027 206,757 12/31/2027 0 310,000	18.5% 1.48x 12/31/2028 163,811 12/31/2028 0 340,000	2,564,808 18.6% 1.49x 12/31/2029 119,345 12/31/2029 0 375,000	2,687,828 18.8% 1.50x 12/31/2030 80,201 12/31/2030 0 375,000	2,852,678 19.2% 1.53x 12/31/2031 57,272 12/31/2031 0 410,000	19.5% 1.56x 12/31/2032 48,669 12/31/2032 0 410,000
19 20 21 27 2 2 3	Unfunded Commitments + FV Unfunded Commitments + FV as % of Assets Ratio of Unf Com + FV to Target Allocation Net Cash Flow Requirements Total Net Cash Flow to Private Equity Annual Commitments by Strategy Existing Commitments Buyout Venture Capital	2,626,234 24.2%	2,496,500 25.5% 2.04x 12/31/2024 124,038 12/31/2024 0 210,000 30,000	2,413,476 24.7% 1.97x 12/31/2025 230,550 12/31/2025 0 240,000 40,000	2,376,380 19.4% 1.55x 12/31/2026 231,995 12/31/2026 0 275,000 45,000	2,386,618 18.8% 1.50x 12/31/2027 206,757 12/31/2027 0 310,000 50,000	18.5% 1.48x 12/31/2028 163,811 12/31/2028 0 340,000 60,000	2,564,808 18.6% 1.49x 12/31/2029 119,345 12/31/2029 0 375,000 65,000	2,687,828 18.8% 1.50x 12/31/2030 80,201 12/31/2030 0 375,000 65,000	2,852,678 19.2% 1.53x 12/31/2031 57,272 12/31/2031 0 410,000 70,000	19.5% 1.56x 12/31/2032 48,669 12/31/2032 0 410,000 70,000



Scenario 3 – Lower distributions and 2024 total fund decline

	EDCDL Conital Dudget Model	12/31/2023	12/31/2024	10/21/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
4	ERSRI - Capital Budget Model Forecast Plan Total Assets										
1		10,868,782	9,781,904	9,781,904	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,710,522	1,844,776	1,610,318	1,464,493	1,387,844	1,377,213	1,423,779	1,509,166	1,616,057
4	Venture Capital	239,703	294,105	332,961	321,776	317,345	314,600	313,035	312,490	312,746	314,850
5	Distressed Debt	66,569	63,760	49,717	14,026	1,707	64	19	6	2	1
10	Private Equity Total	1,760,433	2,068,387	2,227,454	1,946,120	1,783,545	1,702,509	1,690,268	1,736,276	1,821,914	1,930,908
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	Buyout	82.6%	82.7%	82.8%	82.7%	82.1%	81.5%	81.5%	82.0%	82.8%	83.7%
12	2 Venture Capital	13.6%	14.2%	14.9%	16.5%	17.8%	18.5%	18.5%	18.0%	17.2%	16.3%
13	B Distressed Debt	3.8%	3.1%	2.2%	0.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
16	Private Equity Fair Value as % of Total Plan Assets	16.2%	21.1%	22.8%	15.9%	14.0%	12.9%	12.3%	12.1%	12.2%	12.5%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023		12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
	Private Equity Unfunded Commitments	865,801	695,355	673,894	705,237	765,204	840,789	924,927	976,758	1,042,266	1,083,846
19	Unfunded Commitments + FV	2,626,234	2,763,742	<u> </u>	2,651,357	2,548,749	2,543,298	2,615,195	2,713,034	2,864,181	3,014,754
20	Unfunded Commitments + FV as % of Assets	24.2%	28.3%	29.7%	21.7%	20.0%	19.2%	19.0%	19.0%	19.3%	19.5%
21	Ratio of Unf Com + FV to Target Allocation	1.93x	2.26x	2.37x	1.73x	1.60x	1.54x	1.52x	1.52x	1.54x	1.56x
	Net Cash Flow Requirements		12/31/2024		12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
27	Total Net Cash Flow to Private Equity		(143,204)	34,809	490,268	345,287	248,092	170,821	110,192	73,414	56,581
	Annual Commitments by Strategy				12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
2	O Francisco O		0	0	0	0	0	0	0	0	0
	8 Existing Commitments							275 222	275 222		440 000
2	9 Buyout		210,000	240,000	275,000	310,000	340,000	375,000	375,000	410,000	410,000
3	9 Buyout 0 Venture Capital		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000
3	9 Buyout		,	,	,	,	,	,	,		
3	9 Buyout 0 Venture Capital 5 Total Annual Commitments to Private Equity		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000
3	9 Buyout 0 Venture Capital		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000



Scenario 4 – Private equity returns are 2% per annum lower

	ERSRI - Capital Budget Model	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	11,303,533	11,755,675	12,225,902	12,714,938	13,223,535	13,752,477	14,302,576	14,874,679	15,469,666
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
_	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,471,295	1,402,452	1,327,539	1,272,371	1,253,916	1,279,662	1,346,405	1,440,226	1,547,981
4	Venture Capital	239,703	258,087	268,588	275,422	280,460	283,820	286,634	289,616	292,823	297,252
5	Distressed Debt	66,569	46,334	22,944	8,812	1,117	64	19	6	2	1
10	Private Equity Total	1,760,433	1,775,716	1,693,984	1,611,773	1,553,947	1,537,800	1,566,316	1,636,026	1,733,051	1,845,234
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	1 Buyout	82.6%	82.9%	82.8%	82.4%	81.9%	81.5%	81.7%	82.3%	83.1%	83.9%
12	2 Venture Capital	13.6%	14.5%	15.9%	17.1%	18.0%	18.5%	18.3%	17.7%	16.9%	16.1%
13	3 Distressed Debt	3.8%	2.6%	1.4%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
16	Private Equity Fair Value as % of Total Plan Assets	16.2%	15.7%	14.4%	13.2%	12.2%	11.6%	11.4%	11.4%	11.7%	11.9%
17	Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	Private Equity Unfunded Commitments	865,801	695,355	673,894	705,237	765,204	840,789	924,927	976,758	1,042,266	1,083,846
19	Unfunded Commitments + FV	2,626,234	2,471,071	2,367,878	2,317,009	2,319,150	2,378,589	2,491,243	2,612,784	2,775,318	2,929,080
20		24.2%	21.9%	20.1%	19.0%	18.2%	18.0%	18.1%	18.3%	18.7%	18.9%
21	Ratio of Unf Com + FV to Target Allocation	1.93x	1.75x	1.61x	1.52x	1.46x	1.44x	1.45x	1.46x	1.49x	1.51x
	Net Cash Flow Requirements			12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
27	Total Net Cash Flow to Private Equity		114,258	212,820	207,591	176,998	130,498	83,708	43,389	19,817	10,409
	Annual Commitments by Strategy		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
	28 Existing Commitments		0	0	0	0	0	0	0	0	0
	29 Buyout		210,000	240,000	275,000	310,000	340,000	375,000	375,000	410,000	410,000
	30 Venture Capital		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000
3	Total Annual Commitments to Private Equity		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Total Plan Assets assumed to grow at 4.0%										



Scenario 5 – Total fund grows at 2% per annum rather than 4%

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	ERSRI - Capital Budget Model	12/31/2023	12/31/2024		12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
1	Forecast Plan Total Assets	10,868,782	11,086,158	11,307,881	11,534,038	11,764,719	12,000,014	12,240,014	12,484,814	12,734,510	12,989,201
2	New Commitments		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
-	Private Equity Fair Value by Sector:										
	Private Equity Fair Value by Sector:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
3	Buyout	1,454,161	1,492,369	1,440,064	1,375,972	1,326,545	1,310,314	1,336,821	1,404,712	1,501,149	1,613,107
4	Venture Capital	239,703	261,724	275,834	285,924	293,687	299,062	303,040	306,353	309,261	313,076
5	Distressed Debt	66,569	47,052	23,683	9,248	1,182	64	19	6	2	1
10	Private Equity Total	1,760,433	1,801,145	1,739,582	1,671,144	1,621,414	1,609,440	1,639,881	1,711,071	1,810,412	1,926,184
	Strategy Diversification:	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
11	1 Buyout	82.6%	82.9%	82.8%	82.3%	81.8%	81.4%	81.5%	82.1%	82.9%	83.7%
12	2 Venture Capital	13.6%	14.5%	15.9%	17.1%	18.1%	18.6%	18.5%	17.9%	17.1%	16.3%
13	3 Distressed Debt	3.8%	2.6%	1.4%	0.6%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
	Private Equity Fair Value as % of Total Plan Assets	16.2%	16.2%	15.4%	14.5%	13.8%	13.4%	13.4%	13.7%	14.2%	14.8%
17	7 Private Equity Target Asset Allocation	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%	12.5%
	Unfunded Commitments and Fair Value	12/31/2023	12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
18	8 Private Equity Unfunded Commitments	865,801	695,355	673,894	705,237	765,204	840,789	924,927	976,758	1,042,266	1,083,846
19	9 Unfunded Commitments + FV	2,626,234	2,496,500	2,413,476	2,376,380	2,386,618	2,450,229	2,564,808	2,687,828	2,852,678	3,010,030
20	Unfunded Commitments + FV as % of Assets	24.2%	22.5%	21.3%	20.6%	20.3%	20.4%	21.0%	21.5%	22.4%	23.2%
2	1 Ratio of Unf Com + FV to Target Allocation	1.93x	1.80x	1.71x	1.65x	1.62x	1.63x	1.68x	1.72x	1.79x	1.85x
	Net Cash Flow Requirements		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
27	7 Total Net Cash Flow to Private Equity		124,038	230,550	231,995	206,757	163,811	119,345	80,201	57,272	48,669
	Annual Commitments by Strategy		12/31/2024	12/31/2025	12/31/2026	12/31/2027	12/31/2028	12/31/2029	12/31/2030	12/31/2031	12/31/2032
2	28 Existing Commitments		0	0	0	0	0	0	0	0	0
	29 Buyout		210,000	240,000	275,000	310,000	340,000	375,000	375,000	410,000	410,000
	30 Venture Capital		30,000	40,000	45,000	50,000	60,000	65,000	65,000	70,000	70,000
3	Total Annual Commitments to Private Equity		240,000	280,000	320,000	360,000	400,000	440,000	440,000	480,000	480,000
	Total Plan Assets assumed to grow at 2.0%										



Background on Capital Budget Modeling

Pacing Plans and Capital Budgeting



- Private markets investments tend to be made through limited life, closed end funds
- Funds grow as capital is called and investments increase in value, and then have a 'harvest period' as investments are sold and funds wind down
- To achieve a steady target allocation to a private markets asset class, money needs to be put into new funds each year as old funds wind down the "pacing plan" or "capital budget"
- Targeting a specific allocation is a complex problem there are many variables, most outside the control of the allocator

Pacing Plans - what are the variables?



• The allocation to an asset class is a function of the fair market value of the invested capital in that asset class (the numerator) and the overall size of the portfolio (the denominator), for example:

Private Equity Allocation = Private Equity Fair Value / Total Fund Value

- For typical private markets investments, neither of these is in the complete control of the allocator
- Taking the denominator first, total fund value is a function of:
 - Asset inflows (contributions) and outflows (benefit payments and other expenses) there is some predictability to these but also some uncertainty
 - Returns of the overall portfolio this introduces very significant uncertainty, particularly over the short to medium term

Pacing Plans - what are the variables? (cont'd)



The numerator (the fair market value of the asset class) also has multiple factors

- Dollars committed each year is the main factor that is under an allocator's control
 - However, for drawdown funds, this does not directly translate into invested market value. Managers can typically draw this capital over 3 5 years, and will do so as opportunities become available
 - The pace of these drawdowns is one key assumption in capital budgets
- Dollars distributed is a second key factor in determining the fair market value of invested capital
 - Depends upon the manager finding the right opportunity to exit the investment
- Finally, the growth rate of the capital that is invested (returns) is the third main factor

Pacing Plans - what are the variables? (cont'd)



- To summarize for drawdown funds, the key drivers of fair market value are:
 - drawdown pace,
 - distribution pace, and
 - asset return
- Output is more sensitive to drawdown and distribution pace than return assumptions
- All three of these factors vary with the market environment
- <u>Distribution pace has the most sensitivity to market conditions</u> strong/rising equity markets lead to high distributions
- Use of co-investments can help limit drawdown pace as a variable
- Use of open-ended funds can reduce the variability introduced by both drawdowns and distributions (but within limits for illiquid asset classes, and with other tradeoffs)

Modeling an Asset Class - Asset Flows



- Our asset class model builds from assumptions for a simplified generic fund for that asset example below is the buyout model
- Contributions occur in a pattern over early years, then capital is distributed in the later years. Capital
 grows at an assumed return rate while it is invested

