# CLIFFWATERLIC

Los Angeles • New York

### Private Equity Investment Plan

#### Rhode Island State Investment Commission

Tom Lynch, Senior Managing Director, CFA

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### **ERSRI** New Asset Allocation Policy

Largest sub-category is private equity

Private Growth 15% Target; 8.3% Target allocation of 15% to Private Growth Current Other Private **Private Equity Growth Assets** 6.4% Current 1.9% Current Non-Core Real Estate Private Growth are illiquid equity-related assets 1.4% Current Seeking a 2% premium return over public equities Opportunistic (Return assumption of 9.73% compounded) **Private Credit** Higher expected risk than public equities 0.5% Current (Risk assumption of 24.07% standard deviation) Major sub-categories include: private equity, Other non-core real estate, opportunistic private credit



### Sector and Strategy Allocations

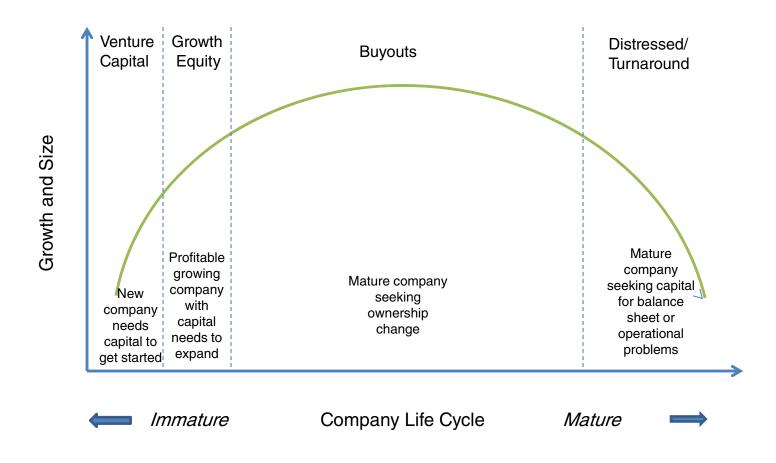
What is the market?

What is attractive?

What is doable?



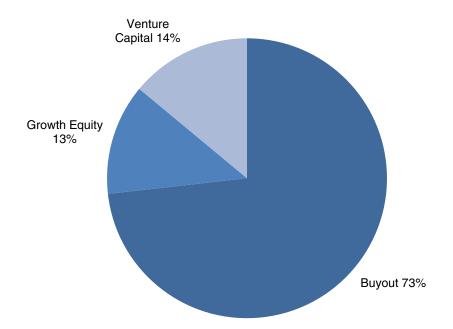
### Global Private Equity Market – Strategy Definition



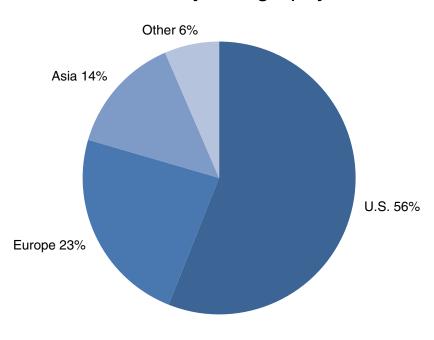


### Global Private Equity Market – Size





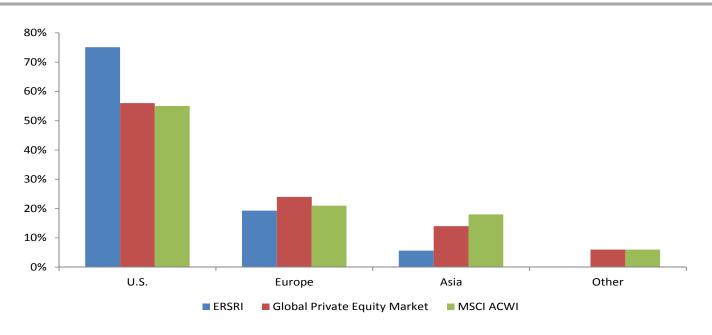
#### Market by Geography



Defined by cumulative capital raised over last five years (2011-2015) the global private equity market is \$1.3 trillion in size.



### **ERSRI** Geographic Exposure

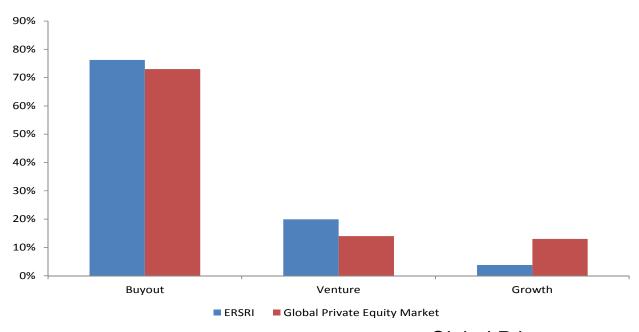


	Global Private						
Region	ERSRI	<b>Equity Market</b>	MSCI ACWI				
U.S./Canada	74%	56%	55%				
Europe	20%	23%	21%				
Asia	6%	14%	18%				
Other	0%	6%	6%				

Note: ERSRI geographic exposures are as of 9/30/16 and defined by primary geographic target of each partnership.



### **ERSRI Strategy Exposure**



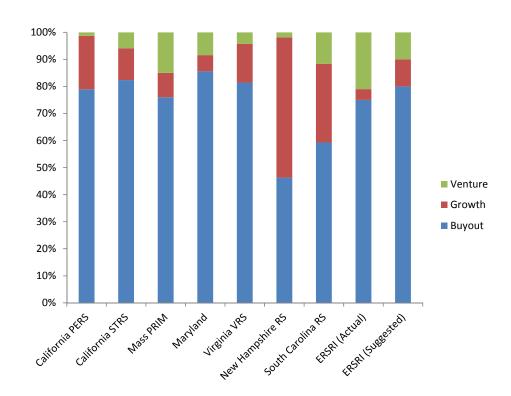
Region	ERSRI	Global Private Equity Market
Buyout	75%	73%
Venture	21%	14%
Growth	4%	13%

Note: ERSRI currently has a 2% exposure to secondaries. That exposure was allocated buyouts and venture.



### Observations from other Public Funds

#### Public Pension Fund Private Equity Strategy Allocations



Data based on 2015 CAFRs

Few public funds disclose strategy allocations

Includes only buyouts, growth equity, and venture capital

ERSRI's target allocation generally in line with other public funds



### Cliffwater Assessment of Sub Strategies

Strategy	Secular Outlook	Cyclical Outlook	Universe of Top Tier Managers	Investment Risk	Ease of Implementation	Fees
US Large Buyouts	Moderate	Moderate	Good	Moderate	Good	Moderate
US Mid Market	Good	Moderate	Good	Moderate	Good	Moderate
US Small Buyouts	Good	Good	Good	High	Weak	High
Europe Buyouts	Good	Moderate	Good	Moderate	Good	Moderate
Asia Buyouts	Moderate	Moderate	Moderate	High	Weak	Moderate
Growth Equity	Good	Moderate	Good	High	Good	Moderate
Venture Capital	Good	Moderate	Moderate	High	Weak	High



### Commitment Strategy Considerations

#### Maintain time diversification (capital budget)

#### Be opportunistic

#### Target sectors reflect:

- Differentiation in strategy, risk, and implementation
- Sizable universe of managers and investment opportunity

#### Add two sectors to reflect secular developments in the market:

- Global buyout strategy for managers who invest across borders and can alter their geographic allocations opportunistically
- Sector focus buyout strategy to reflect the specialization trend in the industry and the value that specialization provides to performance

#### Target weights reflect:

- Size of the market universe and availability of opportunities
- Cyclical/secular outlook
- Ease of implementation



### Recommended Model Portfolio

Strategy	Current Portfolio	Target Portfolio	Range
Total Buyout	<u>74%</u>	<u>80%</u>	<u>60-100%</u>
Global Buyout	3%	10%	0%-20%
US Buyout	<u>49%</u>	<u>50%</u>	<u>30%-70%</u>
Large	12%	10%	5-20%
Middle Market	18%	13%	5-30%
Small	11%	15%	0-30%
Sector Focused	10%	12%	0-20%
Europe Buyouts	17%	12%	10-30%
Asia Buyouts	6%	8%	0-20%
Latin Am Buyouts	0%	0%	0-5%
Growth Equity	4%	10%	0-20%
Venture Capital	20%	10%	0-20%
Other (e.g. secondaries)	2%	0%	0-10%



### Commitment Plan

	Exposure					Projected			
	Current		Target	Target	Delta	Commitments _	2020 YE Expos	sure	Delta
Strategy Sector	\$ Amount	Pct	Pct	Range	from Target	2017-2020	\$ Amount	Pct	from Target
Total Buyout	565,313,493	<u>74%</u>	<u>80%</u>	<u>50%-100%</u>	<u>-6%</u>	840,000,000	1,124,715,522	80%	0.2%
Global Buyout	20,587,752	3%	10%	0-20%	-7%	130,000,000	142,352,651	10%	0.2%
US Buyout	375,858,119	<u>49%</u>	<u>50%</u>	<u>30%-70%</u>	<u>-1%</u>	510,000,000	697,929,060	<u>50%</u>	<u>-0.2%</u>
Large	87,958,115	12%	10%	5-20%	2%	90,000,000	133,979,058	10%	-0.4%
Middle Market	134,021,138	18%	13%	5-30%	5%	120,000,000	187,010,569	13%	0.3%
Small	79,997,327	11%	15%	5-30%	-4%	170,000,000	209,998,664	15%	0.0%
Sector Focused	73,881,539	10%	12%	0-20%	-2%	130,000,000	166,940,770	12%	-0.1%
Europe Buyout	125,974,904	17%	12%	10-30%	5%	110,000,000	172,987,452	12%	0.3%
Asia Buyout	42,892,718	6%	8%	0-20%	-2%	90,000,000	111,446,359	8%	-0.1%
Latin Am Buyout	-	0%	0%	0-5%	0%	-	-	0%	0.0%
Growth Equity	28,977,710	4%	10%	0-20%	-6%	120,000,000	134,488,855	10%	-0.4%
Venture Capital	151,711,974	20%	10%	0-20%	10%	60,000,000	135,855,987	10%	-0.3%
Other	14,702,874	2%	0%	0-10%	2%	-	7,351,437	1%	0.5%
Total	760,706,051	100%	100%		0%	1,020,000,000	1,402,411,801	100%	0.0%

Commitment plan assumes private equity at 75% of Private Growth (25% non-core real estate/opportunistic private credit)

Notes: Exposure equals market value plus undrawn commitments; data as of 12/31/16 estimated



### Private Equity Investment Policy Statement Considerations

#### Items to include in Private Equity IPS:

- Strategic objective: maximize risk-adjusted rates of return and enhance the equity return of the portfolio
- Included strategies: buyouts, growth equity, venture capital, special situations
- Implementation approach: commingled funds and customized managed accounts
- Risk considerations:
  - Time diversification
  - Include broad strategy allocations: buyouts, growth equity, venture capital, special situations
  - Broad geographic allocation ranges: North America, Europe, Asia, Latin America,
     Other
  - Industry diversification
  - Manager and fund concentration
- Benchmark



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### **Appendix**

### Performance by Strategy Sector and Vintage Years\*

#### **Performance by Strategy Sector**

Since inception annualized internal rate of returns net of fees

### 30.00% 25.00% 23.84% 20.43% 20.00% 15.00% 13.40% 11.00% 10.36% 10.00% 4.17% 5.00% 0.00%

Performance by Year versus Private Equity Universe\*\*
Since inception annualized returns net of fees

		Vintage	ERSRI PE	Universe
		Year	Portfolio	Median Return
		1998	10.86%	8.18%
	١.	1999	9.97%	0.22%
		2000	14.74%	3.03%
Superior Performance	IJ.,	2001	31.61%	9.51%
Performance		2002	17.71%	10.30%
	١.	2003	14.26%	10.02%
		2004	11.30%	8.01%
	ļ	2005	8.09%	7.20%
Under		2006	5.29%	7.50%
Performance		2007	9.90%	9.47%
	\ -	2008	7.17%	8.69%
No		2009		12.24%
investments		2010		12.66%
		2011	5.37%	11.02%
Recent		2012	14.62%	11.53%
investments		2013	9.90%	8.51%
		2014	14.61%	7.69%

<sup>\*\*</sup> Cambridge Global Private Equity/Venture Capital Universe



<sup>\*</sup> Performance as of September 30, 2016

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