

### Reconvene the Meeting of the ERS Board of Trustees

August 23, 2023



### Call Meeting of the Investment Advisory Committee to Order

August 23, 2023



## Consideration of the Texa\$aver<sup>SM</sup> Product Review Committee Updates (Action – Board Only)

#### August 23, 2023

David Veal, Chief Investment Officer Lauren Honza, Managing Director of Public Equity Angelica Harborth, Manager, Deferred Compensation Plans

# Texa\$aver<sup>SM</sup> 401(k) / 457 Program

#### Program Overview



- Established in 1985
- · Available to employees of state agencies
- Procure plan administrator and investment advisory service providers through competitive bid process
- Automatic enrollment for new hires since 1/1/2008
- Offers traditional and Roth contributions



- Established in 1974
- Available to employees of eligible higher education and state agencies
- Procures plan administrator and investment advisory service providers through competitive bid process
- Offers traditional and Roth contributions

#### Agenda item 15 - Joint Meeting August 23, 2023

Non-contributing

Assets under Management (AUM)	\$3,337 million	Asse
Traditional balances	\$3,218 million	Trac
Roth balances	\$118 million	Roth
Number of Participant Accounts	235,2377	Num
Contributing	105,635	

129,602

457 Plan	
Assets under Management (AUM)	\$1,291 million
Traditional balances	\$1,184 million
Roth balances	\$106 million
Number of Participant Accounts	33,642
Contributing	17,090
Non-contributing	16,5526

• Plan data as of 6/30/2023

## **Texa\$aver program** Executive Summary

401(k) Plan



# Texa\$aver Program

#### Investment Products

Lineup offers a range of investment offerings to help a wide range of participants reach their individual retirement savings goals. The offerings are the same between the plan types.

Target Date Funds	Core Funds	Self Directed Brokerage Account
<ul> <li>Manager reduces investment</li></ul>	<ul> <li>Participants (or managed account</li></ul>	<ul> <li>Participants create their own</li></ul>
risk over time by steadily	platform) create portfolios from	investment portfolios using
lowering equity exposure	asset class building blocks	tradeable securities
<ul> <li>Requires the lowest level of</li></ul>	<ul> <li>Requires a higher level of</li></ul>	<ul> <li>Requires the highest level of</li></ul>
participant engagement to	participant engagement to build	participant engagement to
build and maintain portfolio	and maintain portfolio	build and maintain portfolio
<ul> <li>Represents 25% of</li></ul>	<ul> <li>Represents 70% of Texa\$aver</li></ul>	<ul> <li>Represents 5% of</li></ul>
Texa\$aver program assets	program assets	Texa\$aver program assets



- Target Date Funds (TDFs) are professionally managed to reduce market risk gradually as the target retirement date approaches
- TDFs serve as the Qualified Default Investment Alternative (QDIA) within the Texa\$aver program
- Newly hired state agency employees are automatically enrolled into TDFs at 1% of annual salary
- Employees are enrolled into LifePath® funds based on their assumed retirement age of 65

## Texa\$aver program Core Funds



Texa\$aver Assets on 3/31/23

\$199 million

	Core Investment Fund	Asset Class / Portfolio Role
. 1	BlackRock Short-Term Investment Fund	Money Market / Short-Term
Conservative	BlackRock 1-3 Year Government Bond Index Fund	Short-Term Bond / High Quality
serv	BlackRock Bond Index Fund	Intermediate-Term Bond / High Qua
Con	AB All Market Real Return Portfolio Fund	Specialty Fund / Inflation Protection
	Vanguard Wellington Admiral Fund	Domestic Stock and Bond / Balance
	Vanguard Institutional Index Fund	Domestic Stock / Large Cap
	Vanguard Growth Index Fund	Domestic Stock / Large Cap Growth
	BlackRock Mid Capitalization Equity Index Fund	Domestic Stock / Mid Cap

Aggressive

BlackRock 1-3 Year Government Bond Index Fund	Short-Term Bond / High Quality	\$36 million
BlackRock Bond Index Fund	Intermediate-Term Bond / High Quality	\$331 million
AB All Market Real Return Portfolio Fund	Specialty Fund / Inflation Protection	\$6 million
Vanguard Wellington Admiral Fund	Domestic Stock and Bond / Balanced	\$410 million
Vanguard Institutional Index Fund	Domestic Stock / Large Cap	\$833 million
Vanguard Growth Index Fund	Domestic Stock / Large Cap Growth	\$519 million
BlackRock Mid Capitalization Equity Index Fund	Domestic Stock / Mid Cap	\$221 million
Wellington Mid Cap Opportunities Fund (WMCOF)	Domestic Stock / Mid Cap Growth	\$15 million
Vanguard Small-Cap Index Fund	Domestic Stock / Small Cap	\$171 million
Fidelity International Index Fund	Foreign Stock / Large Cap	\$106 million
Fidelity Diversified International Fund	Foreign Stock / Large Cap	\$185 million

# **Texa\$aver Program** Product Review Committee (PRC)



- Consultant to the Board regarding the Texa\$aver investment lineup
- Meets at least semiannually to conduct investment reviews and take any necessary action regarding the investment offerings

Executive Office	Group Benefits	Investments	IAC
Porter Wilson	TBD	David Veal (Chair)	Ruby Dang
Cathy Terrell		Lauren Honza	Laurie Dotter
		Leighton Shantz	Gene Needles

## **Texa\$aver Program** Product Review Committee (PRC)

**ERS**°

- The PRC meeting on July 27, 2023 included:
  - Investment performance updates and watchlist review
  - Presentation on best practices for defined contribution plans
  - Evaluation of Wellington CIF II MidCap Opportunities S1 fund (WMCOF)
    - Fund already on watchlist due to poor relative and peer performance
    - Subcommittee tasked with evaluating and making a recommendation

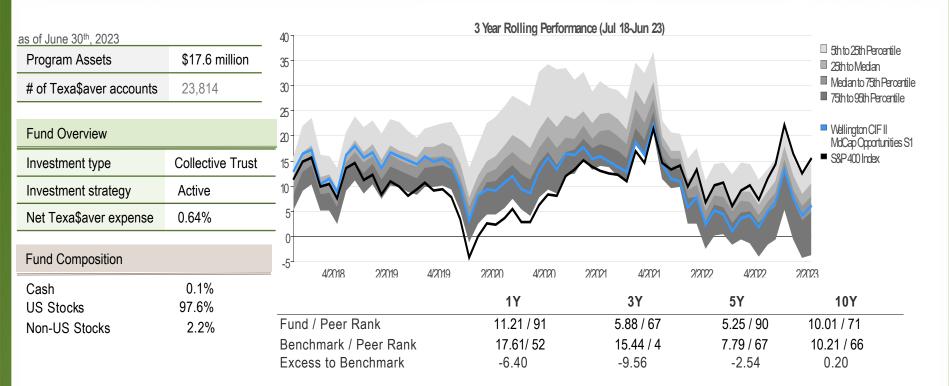
# **Texa\$aver Program** PRC Subcommittee

- PRC may appoint a subcommittee for a specific purpose (e.g. due diligence, fund evaluation, research, etc.)
- Current PRC subcommittee members include:
  - Lauren Honza, Managing Director of Public Equity
  - Gene Needles, IAC Chair
  - Leighton Shantz, Managing Director of Credit and Hedge Funds
  - Cheryl Scott-Ryan, Assistant General Counsel



# Wellington CIF II MidCap Opportunities S1 fund (WMCOF)

## Wellington MidCap Opportunities - II Performance Snapshot



Wellington MidCap Opportunities - II Due Diligence

- PRC has closely monitored the ongoing performance of WMCOF
- Subcommittee members met with portfolio manager in Austin
- Subcommittee members conducted an onsite visit to Wellington offices
- Subcommittee presented findings at the PRC meeting on July 27, 2023

Wellington MidCap Opportunities - II Diligence Findings

- Positive absolute returns since 2020 inception with Texa\$aver
- Poor relative performance over 1-year, 3-year and 5-year horizons
- Below median peer results over 1-year, 3-year and 5-year horizons
- Growth at a Reasonable Price (GARP) positioning vs. a core benchmark
- Smaller capitalization positioning vs. mid cap benchmark

# Wellington MidCap Opportunities - II Additional Considerations



#### Managed Accounts program represents the primary source of allocations

- As of May 2023, Managed Accounts were responsible for 75.4% of WMCOF assets
- Allocations to WMCOF within the managed account portfolios increased for Q1 2023
- ~4,163 participants have balances in the fund but were *not* enrolled in managed accounts

#### In May, Wellington informed ERS that the fund would begin participating in securities lending

- Subcommittee informed on May 15, but Wellington would not provide lending agreement

#### In May, senior analyst Joe Sicilian departed unexpectedly

- Sicilian was held out as an eventual potential successor to named PMs on the strategy
- Communication of the departure was handled poorly

# Wellington MidCap Opportunities - II Subcommittee Recommendation: Next Steps



#### **Options Considered by the PRC:**

- Remove the Fund from watchlist and end enhanced due diligence/monitoring
- Maintain the Fund on the watchlist and continue enhanced due diligence/monitoring
- Remove the Fund from the lineup and reallocate assets into a different fund:
  - An existing fund option already in the lineup, or
  - A replacement fund, identified via subsequent due diligence efforts

# Wellington MidCap Opportunities - II Texa\$aver PRC Recommendation



The Product Review Committee (PRC) recommends that the Board:

- Remove WMCOF from the Texa\$aver 401(k)/457 Program lineup
- Transfer assets to the existing passive domestic mid cap equity fund

If this recommendation is approved, staff will work with the third party administrator to communicate the upcoming change to participants.



## Discussion Action Item – Board Only



## Consideration of the Incentive Compensation Plan for Plan Year 2024 (Action – Board Only)

#### August 23, 2023

DeeDee Sterns, Director of Human Resources Jamey Pauley, ICP Program Specialist Incentive Compensation Plan (ICP) Annual Process

• The Board of Trustees reviews and approves the ICP on an annual basis.

- For the May Board meeting, staff provides:
  - A review of the plan objectives and key features
  - A summary of the ICP awards over the last five years
  - Information on any proposed plan changes
  - A draft plan document for the upcoming fiscal year

#### • At the August Board meeting:

- Staff presents the final proposed plan document for consideration and approval



- Eliminate the provision requiring forfeiture of awards after three years of non-positive returns.
- Allow payment of earned but pending awards to participants who retire.



#### Elimination of the forfeiture provision:

6.3 If Global Composite Performance for the one-year Performance Period in the current plan year is not positive, then all Incentive Compensation Awards that otherwise would have been paid on the next Payment Date (including incentive compensation based on Performance Goals not related to Global Composite Performance and previously earned Incentive Compensation Awards remaining to be paid pursuant to the respective Payment Schedule) shall not be paid until the first Payment Date immediately following the next plan year in which the one-year Performance Period for Global Composite Performance is positive. Any unpaid or partially unpaid Incentive Compensation Award shall be forfeited after three (3) years of deferral of payment under this Section.



## Elimination of the forfeiture provision

**Reasons:** 

- Better alignment with the Plan's objective to attract and retain staff.
- ERS is unique among its benchmark peers in requiring this forfeiture provision.



#### Allow payment of earned but pending awards to retirees:

#### Section 6.8.1

**Retirement.** In the event of termination of employment due to retirement, a Participant forfeits any Incentive Compensation Award for the current Plan Year unless the termination of employment occurs on August 31<sup>st</sup> of the current Plan Year. Incentive Compensation Awards earned for prior plan years that have not been paid pursuant to Section 6.2 or 6.3 shall be payable on the next Payment Date that follows the Participant's retirement and is not deferred under Section 6.3, subject to the terms and limits of the plan. In the event of death after retirement, section 6.8 shall apply. For purposes of this section, retirement occurs when:

- a) the Executive Director (or the Board, in the case of the Executive Director's retirement) receives a retirement request from a Participant at least 60 days prior to the retirement date;
- b) the Executive Director (or the Board) determines that the Participant is in good standing and approves the retirement date in advance;
- c) the Participant retires under the jurisdiction of ERS or retires under the jurisdiction of the Teacher Retirement System of Texas (TRS) as the result of a transfer of ERS service credit under Chapter 805 of the Texas Government Code (regarding credit transfers between ERS and TRS); and
- d) the Participant is immediately eligible to receive and receives a retirement annuity that is based on age and amount of service credit or based on combined service credit under Chapter 803 of the Texas Government Code (regarding the Proportionate Retirement Program).

Pursuant to Treasury Regulation Sections 1.409A-2(b)(2)(i) and 1.457-12(d)(2), the payment under this Section 6.8.1 shall for all purposes be treated as a separately identifiable payment to which a Participant is entitled under the Plan. This Section 6.8.1 shall be administered in accordance with Code Section 409A and 457(f). Agenda item 16 – Joint Meeting, August 23, 2023



## Allow payment of earned but pending awards to retirees

#### **Reasons:**

- Initiated at the May meeting.
- Better alignment with peer funds.

**Incentive Compensation Plan** *Plan Year 2024 – Other Changes* 

In addition to the proposed material change, staff is proposing some other changes to the Plan document that will:

Provide clarification.

• Better reflect current processes and practices.

These changes are reflected in the draft Plan document.



# **Incentive Compensation Plan** *Plan Year 2024 – Appendix A*



#### APPENDIX A

#### ELIGIBLE EMPLOYEE POSITIONS WITH MAXIMUM INCENTIVE AWARD PERCENTAGES AND PAYMENT SCHEDULES

	Plan Groups	Maximum Incentive Award Percentages	Payment Schedules (Year 1/2/3, see Section 6.2)		
	Investment Operations Manager	50%	50/05/05		
	Investment Operations Manager	50%	50/25/25		
*	Operational Due Diligence Manager	50%	<del>50/25/25</del>		
	Investment Analyst I & II	35%	50/25/25		
	Performance Specialist	35%	50/25/25		
	Investment Operations Specialist	25%	50/50/0		
	Operational Due Diligence Specialist	<del>25%</del>	<del>50/50/0</del>		
	Investment Administrative Support	5%	100/0/0		

APPENDIX A

Plan Groups	Maximum Incentive Award Percentages	Payment Schedules (Year 1/2/3, see Section 6.2)
Executive Director	100%	50/25/25
Chief Investment Officer	100%	50/25/25
Deputy Chief Investment Officer	100%	50/25/25
Managing Director	100%	50/25/25
Program Director	90%	50/25/25
Supervising Portfolio Manager	90%	50/25/25
Portfolio Manager IV, V & VI	80%	50/25/25
Portfolio Manager I, II & III	70%	50/25/25
Chief Trader I & II	70%	50/25/25
nvestment Analyst V	70%	50/25/25
Frader I, II & III	65%	50/25/25
nvestment Analyst III & IV	58%	50/25/25
nvestment Operations Manager	50%	50/25/25
Operational Due Diligence Manager	50%	50/25/25
nvestment Analyst I & II	35%	50/25/25
Performance Specialist	35%	50/25/25
nvestment Operations Specialist	25%	50/50/0
Operational Due Diligence Specialist	25%	50/50/0
nvestment Administrative Support	5%	100/0/0
nvestments and Securities, Attorney	65%	50/25/25
nvestments and Securities, Paralegal	35%	50/25/25

## **Incentive Compensation Plan** *Plan Year 2024 – Appendix B*

	_			_				_	
Sub Category	Exec. Director	CIO Dep. CIO Inv. Serv.	Credit & Hedge Funds	Portfolio Mgmt.	Private Equity	Public Equity	Real Assets	Treasury & Trading	Legal Services

APPENDIX B (Page 147) PERFORMANCE GOAL WEIGHTINGS FOR INVESTIMENT PROFESSIONALS AND LEADERSHIP EMPLOYEES

Main Category Weights				CIO Dep. CIO Jerv. Serv.						Treasury & Trading	Legal Services
25% Maximum excluding ED)	Discretionary		50% (5)	25%	25%	25%	25%	25%	25%	25%	25%
35% Minimum	Global Composite Performance		50%	75%	35%	x	35%	35%	35%	35%	35%
43% Vaximum		A combination of one or more	of the followi	ng, as indicate	ed below (1)						
		Global Public Equity						х			
		Internal Global Public Equity						х			
		Individual Portfolios			х	х		х		X	
		Internally Traded Portfolios								X	
		Trading Performance								X	
		Public Credit-Internal			х						
		Private Credit External			х						
		Rates								X	
		Private Equity Public Market Equivalent (2)					92%				x
		Private Equity Peer Comparison (3)					30%				×
		Psivate Real Estate Public Market Equivalent (2) (4)							×		×
		Public Real Estate REIT(s)							X		
		Private Infrastructure Public Market Equivalent (2)							×		x
		Hedge Funds			x						×

. <u> </u>	 I	I	I	I	I	I	
Public Credit - Internal	х						
Private Credit - External	х						
Rates						х	
Private Equity Public Market Equivalent (2)			10%				х
Private Equity Peer Comparison (3)			30%				х
Private Real Estate Public Market Equivalent (2) (4)					х		х
Public Real Estate-REIT(s)					Х		



## Discussion Action Item - Board Only



## \* Consideration of Quarterly Review of Investment Performance and Market Environment

August 23, 2023

David T. Veal, Chief Investment Officer John McCaffrey, Managing Director of Portfolio Management Sam Austin, Partner, NEPC





#### QUARTERLY PERFORMANCE REPORT EMPLOYEES RETIREMENT SYSTEM OF TEXAS

AUGUST 23, 2023

Sam Austin, Partner Michael Malchenko, Consultant





## TABLE OF CONTENTS

- Economic and Market Environment
- Executive Summary



## ECONOMIC AND MARKET ENVIRONMENT

#### **ECONOMIC ENVIRONMENT**







Can the Fed softly land the plane?

Inflation continues to decelerate

# U.S. dollar slumps to a 14-month low



- Unemployment rate remains low at 3.6% as of June
- GDP continues to grow, estimated at over 2% for 2Q23
- Early warnings of a recession have not materialized

- Core CPI increased 4.8% in June from a year earlier, the slowest pace since October 2021
- Still uncertainty around how long Fed will keep rates elevated to bring inflation to target levels
- With cooling inflation, the U.S.
   Dollar Index dropped to its lowest level since April 2022
- U.S. economy is still showing signs of resilience, which should help the dollar to find support



Agenda item 17 – Joint Meeting August 23, 2023

#### **BEST AND WORST INDEX PERFORMANCE**





### EXECUTIVE SUMMARY

### **ERS TRUST DASHBOARD**

Performance	(	CYTD	FYTD 2023
Total Trust	5.9	5.68% (61)	
Policy Benchmark	5.38% (84)		5.09% (76)
Excess Return	0.58%		0.59%
Risk Statistics	5-Y	5-Year	
	Sharpe Ratio	Sortino Ratio	Tracking Error
Total Trust	0.80 (5)	1.21 (7)	2.01%
Policy Benchmark	0.60 (23)	0.89 (23)	-
Attribution Summary			
Largest Contributors (Quarter)			

Global Public Equity (+0.3%) and Private Real Estate (+0.2%) contributed positively versus the Policy Benchmark.

#### Largest Detractors (Quarter)

Absolute Return (-0.1%) contributed negatively versus the Policy Benchmark.



Note: Numbers in parentheses indicate the Trust's rank among the peer universe of Public Defined Benefit plans greater than \$1 Billion.

#### **ERS TRUST DASHBOARD**

		Profil	е			
Market Val	ue at June 30, 202	23		\$35.46 Billion		
Actuarial A	Accrued Liability A	August 31, 202	22	\$45.9 Billion		
Actuarial V	/alue of Assets Au	igust 31, 2022	2	\$31.6 Billion		
ERS Trust	Funded Ratio Aug	gust 31, 2022		68.9%		
Actuarial A	Assumed Rate of F	Return		7.00%		
Retirees a	nd Beneficiaries A	ugust 31, 202	22	122,720		
Retiremen	t Payments Year E	Ended August	t 31, 2022	\$3.91 Billion		
Managen	nent	Allocation			Liquidity	
46%	Internal	20%	■ Risk Red ■ Return S	C C	43%	= Illio = Lic
54%	■ External	80%		ooking	57%	— <b>— — —</b>

Agenda item 17 – Joint Meeting August 23, 2023

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# PERFORMANCE SUMMARY

### **TOTAL TRUST PERFORMANCE DETAIL (NET OF FEES)**

	Market Value	3 Mo	Fiscal YTD	1 Yr	3 Yrs	5 Yrs	10 Yrs
Total Trust	\$35,462,046,427	2.7% (43)	5.7% (61)	7.5% (55)	11.7% (5)	8.0% (5)	8.1% (11)
Policy Benchmark		2.2% (83)	5.1% (76)	7.6% (52)	<b>7.9%</b> (60)	6.6% (43)	7.1% (49)
Passive Index		4.5%	10.1%	13.0%	8.5%	6.8%	7.5%

- One-year period ended June 30, 2023, the Trust underperformed the policy benchmark by 0.1%.
- In the one-year period, the Trust's assets increased from \$33.03 billion to \$35.46 billion. This includes a \$2.91 billion net investment gain within the one-year period and a \$905 million net investment gain within the second calendar quarter of 2023.

Note: The Passive Index is comprised of 80% MSCI ACWI IMI and 20% Bloomberg Intermediate Treasury Index. Numbers in parentheses indicate the Trust's rank among the peer universe of Public Defined Benefit plans greater than \$1 Billion.



Agenda item 17 – Joint Meeting August 23, 2023

### TOTAL TRUST PERFORMANCE DETAIL (NET OF FEES)

3 Years Ending June 30, 2023									
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio					
<b>-</b> / <b>·</b> - /									
Total Trust	11.7% (5)	7.7% (11)	1.29 (7)	2.39 (7)					
Policy Benchmark	7.9% (60)	7.8% (14)	0.85 (23)	1.40 (24)					
	5 Years Ending June 30, 2023								
	5 Year	s Ending June 30, 2023							
	<b>5 Year</b> Return	<b>s Ending June 30, 2023</b> Standard Deviation	Sharpe Ratio	Sortino Ratio					
Total Truat	Return	Standard Deviation							
Total Trust Policy Benchmark			Sharpe Ratio 0.80 (5) 0.60 (23)	Sortino Ratio 1.21 (7) 0.89 (23)					

- The three-year and five-year Trust returns have outperformed the actuarial rate of return.
- On a risk-adjusted basis, the three-year and five-year Sharpe and Sortino Ratios outperformed the benchmark, indicating that active management benefitted the plan.

### TOTAL TRUST ASSET GROWTH SUMMARY

	Last Three Months	Year-To-Date	Fiscal Year-To-Date	One Year	Three Years	Five Years
Beginning Market Value	\$33,891,622,89 8	\$33,167,264,323	\$33,321,662,960	\$33,028,200,122	\$27,435,810,375	\$28,499,395,903
Contributions	\$3,976,473,692	\$5,445,145,468	\$22,235,887,061	\$24,191,093,291	\$55,179,975,411	\$82,795,076,851
Withdrawals	-\$3,311,054,660	-\$5,118,095,015	-\$22,444,512,033	-\$24,665,249,512	-\$58,032,160,960	-\$88,238,786,532
Net Cash Flow	\$665,419,032	\$327,050,454	-\$208,624,972	-\$474,156,221	-\$2,852,185,549	-\$5,443,709,681
Net Investment Change	\$905,004,497	\$1,967,731,650	\$2,349,008,439	\$2,908,002,527	\$10,878,421,602	\$12,406,360,206
Ending Market Value	\$35,462,046,42 7	\$35,462,046,427	\$35,462,046,427	\$35,462,046,427	\$35,462,046,427	\$35,462,046,427
Net Change	\$1,570,423,530	\$2,294,782,104	\$2,140,383,467	\$2,433,846,306	\$8,026,236,053	\$6,962,650,524



### **TRUST ASSET ALLOCATION VS. POLICY TARGETS**

100% —	0.3%	0.0%	Asset Allocation as of June 30, 2023				
90% —	5.7% 2.9%	2:8%		Current Value	Current	Strategic Target	Tactical Range
80% —	11.6% 6.0%	12.0% 5.0%					
	0.0%		Public Equity	\$11,524,198,310	32.5%	35.0%	25.0% - 45.0%
70% —	10 <u>.7</u> %	9.0%	Private Equity	\$6,477,621,191	18.3%	16.0%	11.0% - 21.0%
60% —	1.7%	3.0%	Public Credit	\$2,366,955,232	6.7%	9.0%	4.0% - 14.0%
00 /0	6.7%	9.0%	Private Credit	\$1,278,379,085	3.6%	3.0%	0.0% - 8.0%
50% —	0.170		Real Estate - Public	\$610,261,028	1.7%	3.0%	0.0% - 13.0%
100/			Real Estate - Private	\$3,801,442,956	10.7%	9.0%	4.0% - 14.0%
40% —	18.3%	16.0%	Infrastructure	\$2,129,494,706	6.0%	5.0%	0.0% - 10.0%
30% —			Rates	\$4,102,398,468	11.6%	12.0%	7.0% - 17.0%
			Cash	\$1,032,229,546	2.9%	2.0%	1.0% - 3.0%
20% —			Hedge Funds	\$2,039,065,905	5.7%	6.0%	0.0% - 11.0%
10% —			Special Situations	\$100,000,000	0.3%	0.0%	0.0% - 5.0%
1070	32.5%	35.0%	Total	\$35,462,046,427	100%	100%	
0% —							

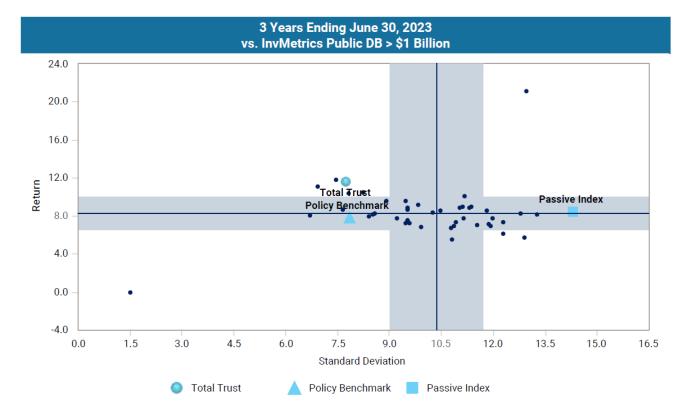
Strategic Target

Agenda item 17 – Joint Meeting August 23, 2023

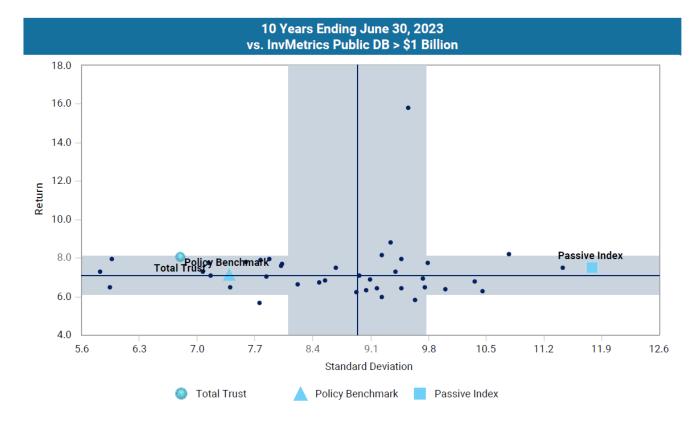
Current

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### **TOTAL TRUST RISK/RETURN**



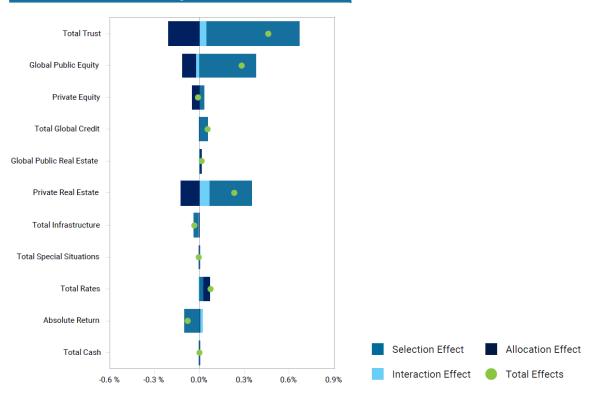
### **TOTAL TRUST RISK/RETURN**



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### **TOTAL TRUST ATTRIBUTION ANALYSIS**

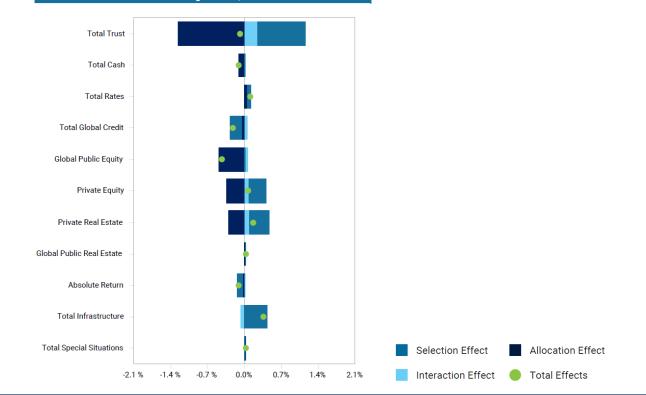
Attribution Effects 1 Quarter Ending June 30, 2023



Agenda item 17 – Joint Meeting August 23, 2023

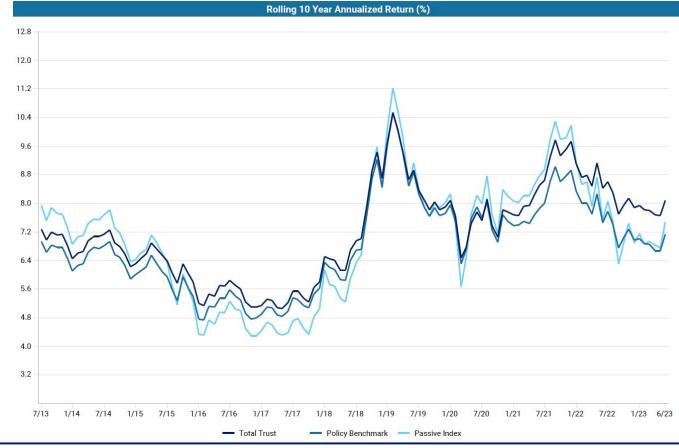
### **TOTAL TRUST ATTRIBUTION ANALYSIS**

Attribution Effects 1 Year Ending June 30, 2023



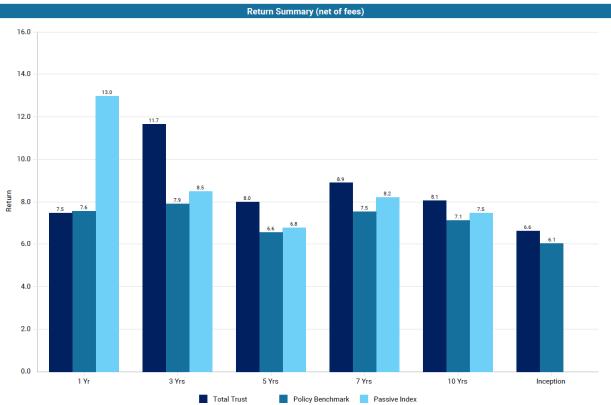
Agenda item 17 – Joint Meeting August 23, 2023

#### LONG TERM INVESTMENT RESULTS



Agenda item 17 – Joint Meeting August 23, 2023

#### LONG TERM INVESTMENT RESULTS



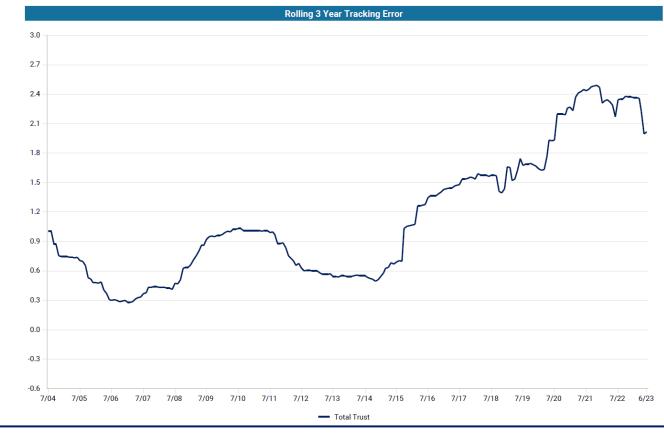
Note: The Passive Index is comprised of 80% MSCI ACWI IMI and 20% Bloomberg Intermediate Treasury Index. Index definitions can be found in the appendix.

### **ROLLING INFORMATION RATIO**



Agenda item 17 – Joint Meeting August 23, 2023

### **ROLLING TRACKING ERROR**



Agenda item 17 – Joint Meeting August 23, 2023

### PERFORMANCE SUMMARY COMMENTARY

- Over the past 10 years, Total Trust outperformed the Policy Benchmark by 0.9% and outperformed the Plan's actuarial rate of return of 7.0% by 1.1%.
- In the one-year period ended June 30, 2023, the Trust underperformed the Policy Benchmark by 0.1%.
  - The largest contributors to performance against the benchmark were Infrastructure (+0.4%), Private Real Estate (+0.2%), and Private Equity (+0.1%).
  - The largest detractors were Global Public Equity (-0.4%), Global Credit (-0.2%), and Absolute Return (-0.1%).
- In the past one-year, portfolio positioning at the asset class level detracted -1.3% from Total Trust returns versus the policy benchmark.
  - An underweight position in Global Public Equity contributed negatively (-0.5%).
  - An overweight position in Private Equity contributed negatively (-0.3%).
  - An overweight position in Private Real Estate contributed negatively (-0.3%).





### Discussion



### Market Conditions

#### August 23, 2023

David T. Veal, Chief Investment Officer John McCaffrey, Managing Director of Portfolio Management

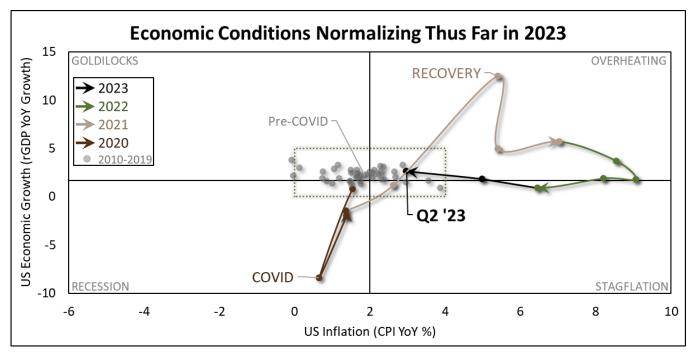


**Strategic goal:** balance risk and return in pursuit of the strategic objectives of the investment program.

- Ensure diversification appropriate to economic conditions
- Maintain acceptable levels of volatility given market conditions
- Provide short-term liquidity while investing for long-term growth

# Market Conditions Economic Conditions

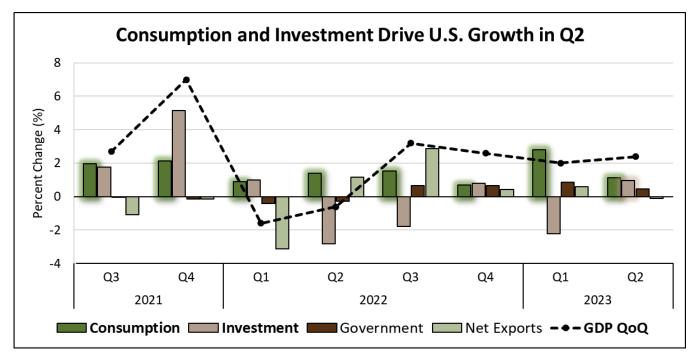




Source: Bloomberg, US Bureau of Economic Analysis, US Bureau of Labor Statistics

### Market Conditions Economic Growth





Source: Bloomberg, US Bureau of Economic Analysis

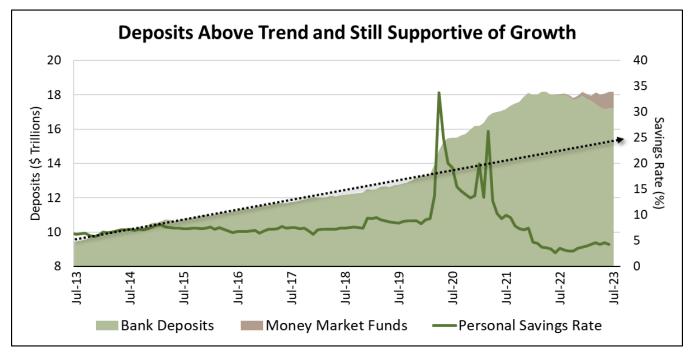
# Market Conditions Consumption Activity Outlook





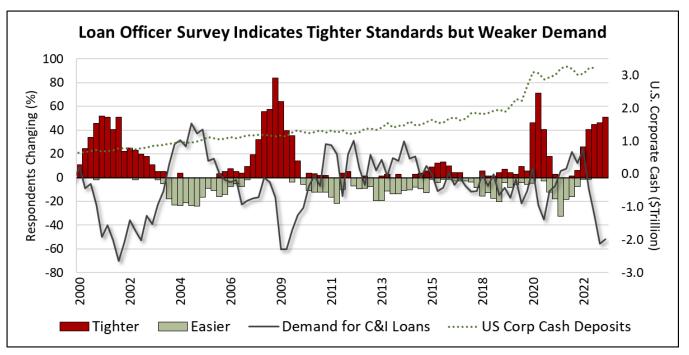
Source: US Bureau of Labor Statistics

# Market Conditions Consumption Activity Outlook



Source: US Federal Reserve

### Market Conditions Investment Activity Outlook

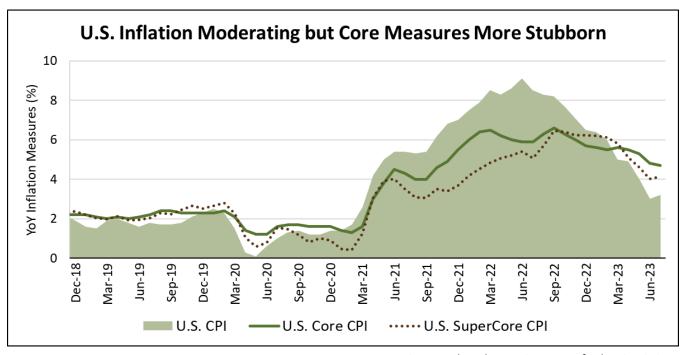


Source: US Federal Reserve



#### Agenda item 17 – Joint Meeting August 23, 2023

### Market Conditions U.S. Inflation

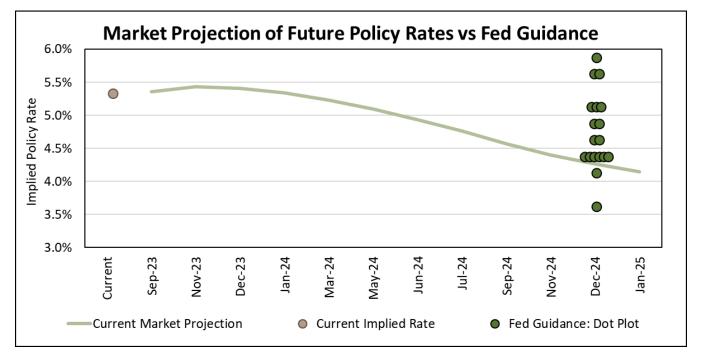


Source: Bloomberg, US Bureau of Labor Statistics



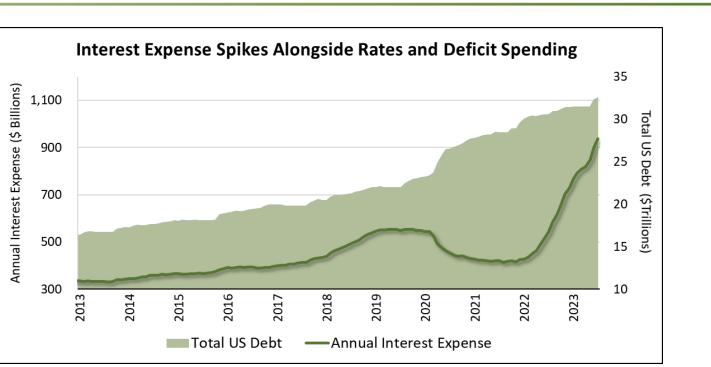
## Market Conditions Monetary Policy





Source: Bloomberg, Chicago Mercantile Exchange, US Federal Reserve, as of August 16, 2023

### Market Conditions Policy Effects

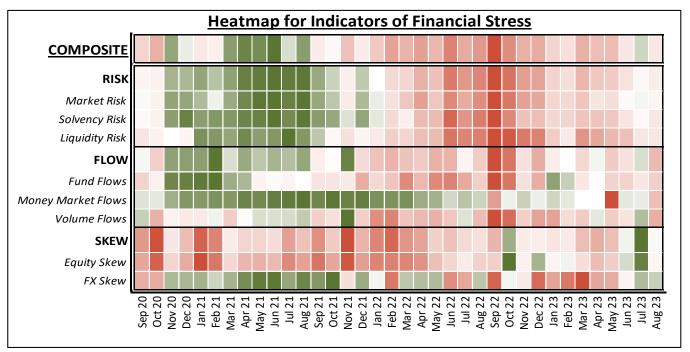


Source: Bloomberg, US Bureau of Labor Statistics



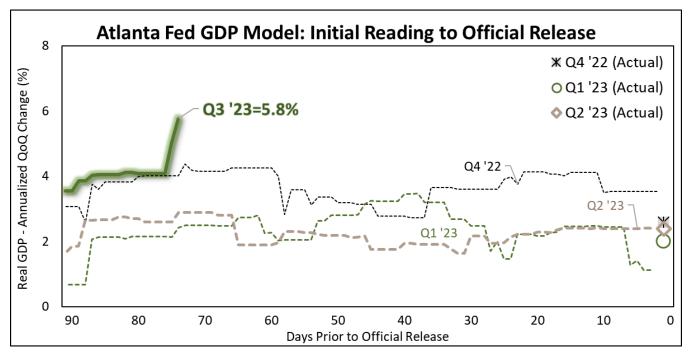
# Market Conditions Financial Conditions





Source: Bloomberg, Bank of America. As of August 16, 2023.

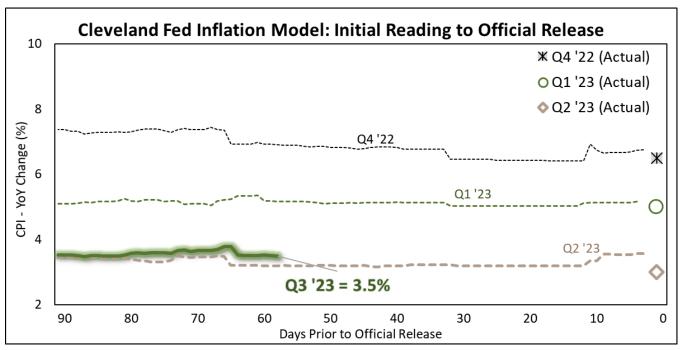
# Market Conditions Atlanta Fed U.S. GDPNow Model



Source: Bloomberg, Federal Reserve Bank of Atlanta. As of August 16, 2023.



# Market Conditions Cleveland Fed U.S. Inflation Model

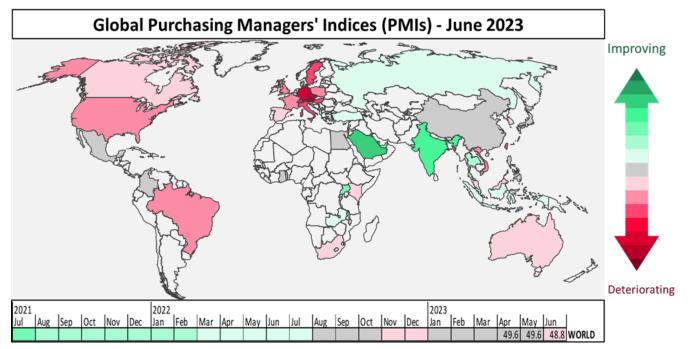


Source: Bloomberg, Federal Reserve Bank of Cleveland. As of August 16, 2023.



# Market Conditions Global Purchasing Managers' Indices (PMIs)

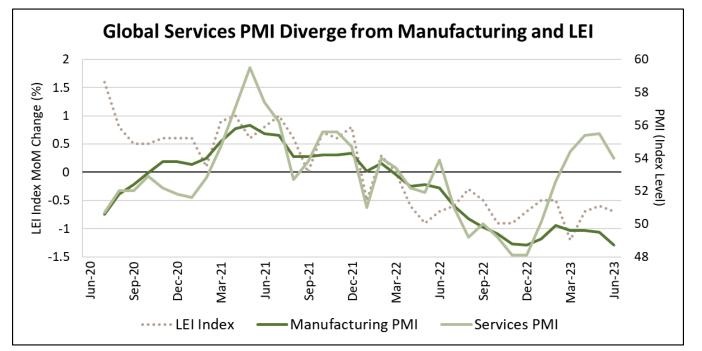




Source: Bloomberg, IHS Markit Economics.

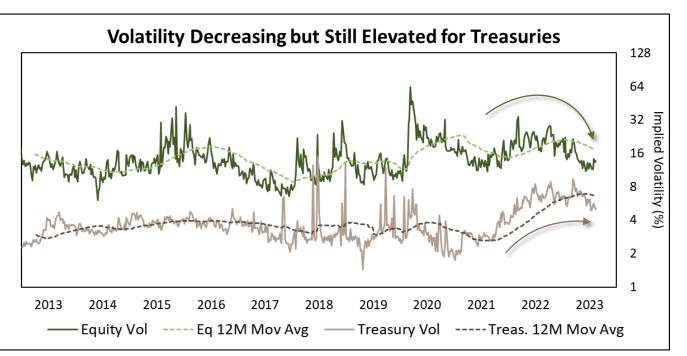
# Market Conditions Global Purchasing Managers' Indices (PMIs)





Source: Bloomberg, IHS Markit Economics, Conference Board.

### Market Conditions Volatility

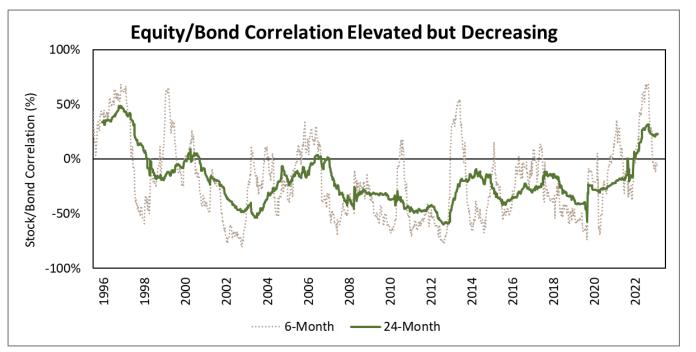


Source: Bloomberg, MSCI Inc., As of August 10, 2023



### Market Conditions Correlations





Source: Bloomberg, MSCI Inc., As of August 16, 2023



- Economic growth and inflation have normalized thus far
  - Wage growth and cash reserves support ongoing economic activity
  - Inflation decelerating, but a slower pace of moderation may lie ahead
- Fed commitment to 2% target may mean higher rates for a while
- Growing debt, higher rates spike US government interest expense
- Service-driven economies poised to outperform globally
- Environment for diversified portfolios still challenged but improving



#### Discussion



# Public Agenda Item #18 Quarterly Report from Chief Investment Officer

#### August 23, 2023

David T. Veal, CFA, CAIA, FRM

#### **Investment Performance** Mission & Objectives



Prudently maintain a high-performing, well-diversified, and costeffective portfolio to support the provision of earned benefits.



Add value vs. benchmark over rolling five-year periods

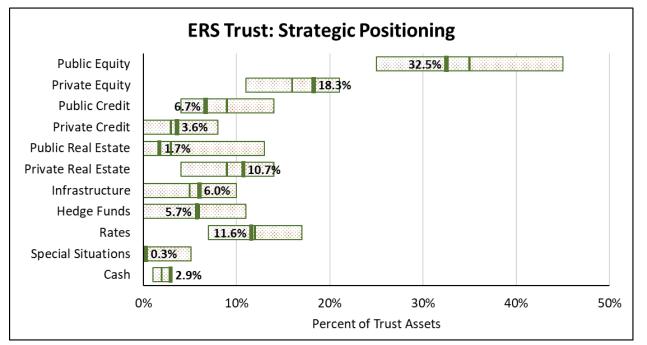


Earn appropriate returns for the risks assumed

#### Asset Class Positioning



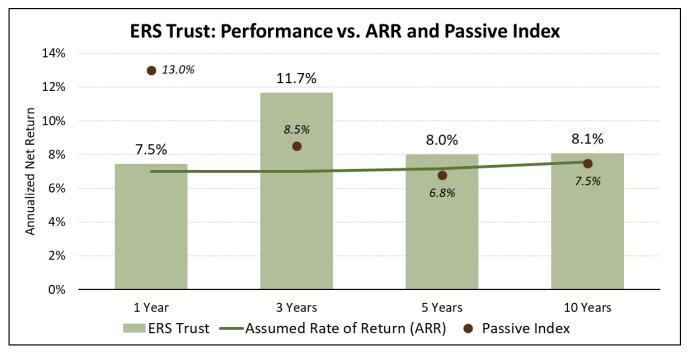
• \$1B in funds received from the State of Texas allocated to Cash and Rates portfolios



#### Retirement Fund Performance Absolute Return



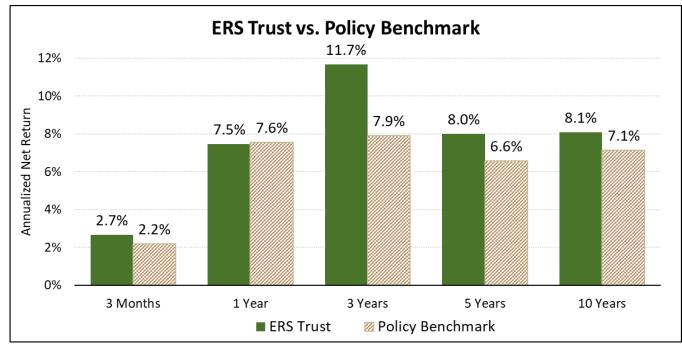
• Meeting strategic objectives despite weak returns from passive public market portfolios



Relative Return

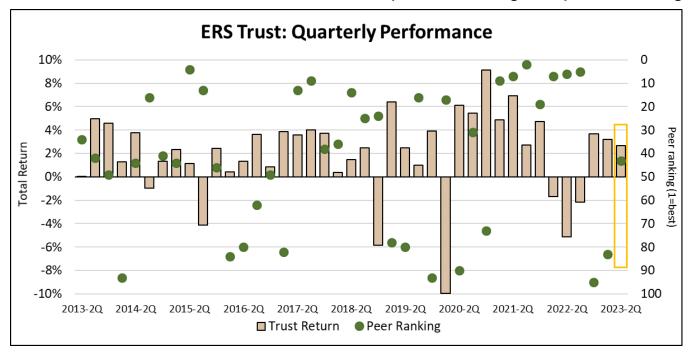


• Strong performance vs. Policy Benchmark, including +142 bps on a 5-year basis



Quarterly Performance

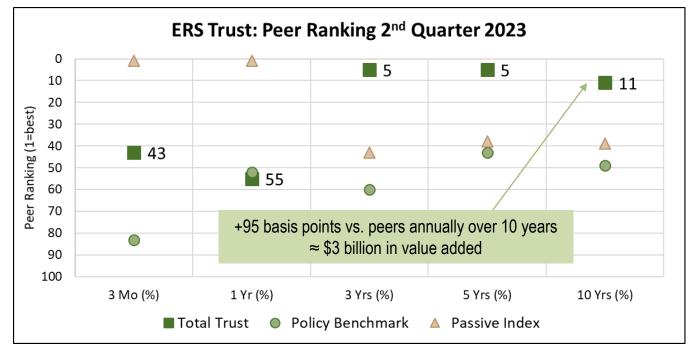
Positive absolute returns for third consecutive quarter, with good peer ranking



#### **Retirement Fund Performance** *Peer Rankings for Current Quarter*

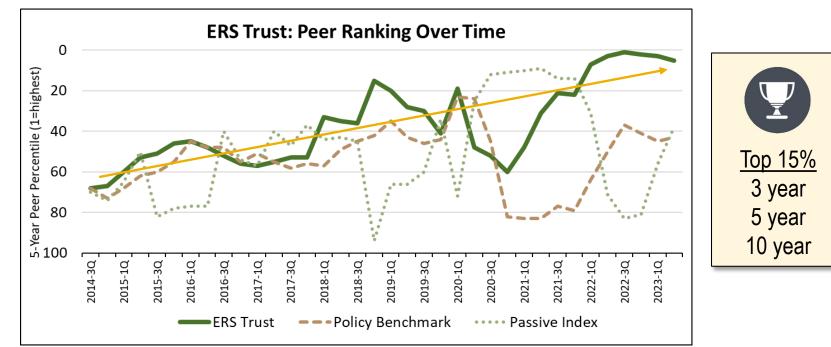


• Superior performance over long horizons, including top decile of peers over 5-10 years



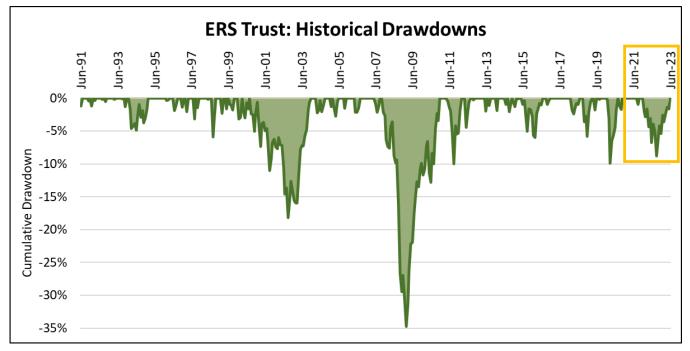
#### **Retirement Fund Performance** *Peer Ranking Over Time*

- **ERS**°
- A decade of progress culminates in a top performing fund over long time horizons



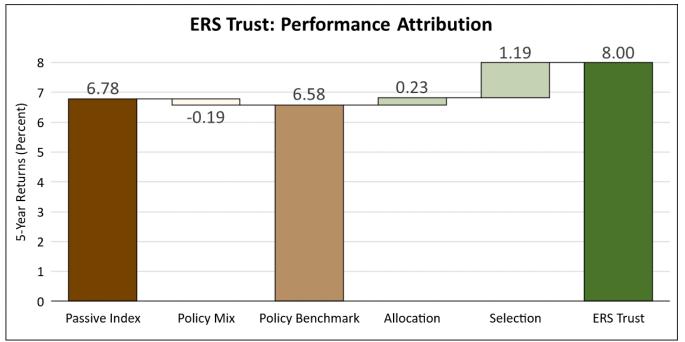
#### Retirement Fund Performance Historical Drawdowns

• Performance has fully recovered from 9% decline at September 2022 trough



Attribution Analysis

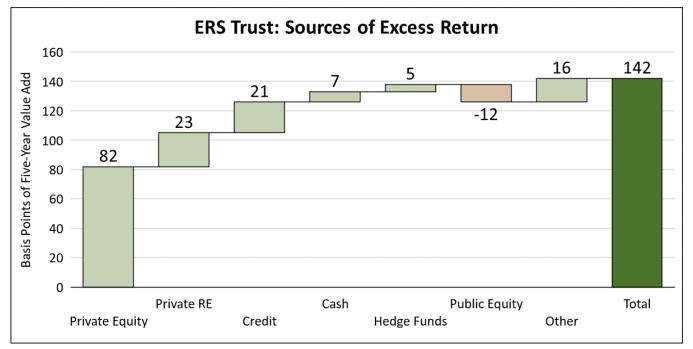
• Meaningful excess return from both asset allocation and security selection decisions



#### Attribution Analysis



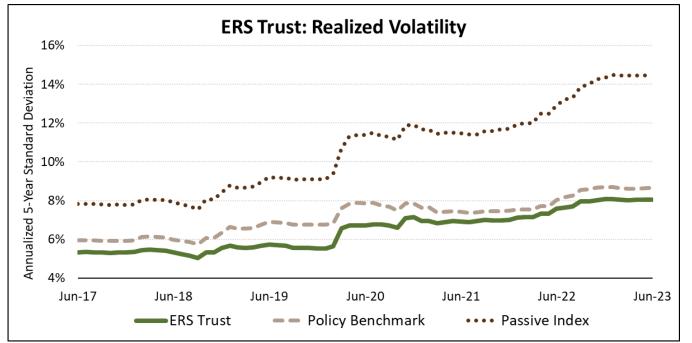
Private equity, private real estate, and credit represent 95% of five-year value add



**Risk Metrics** 



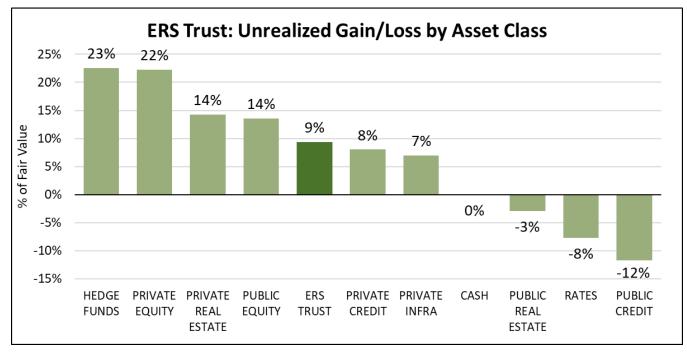
Trust risk has almost doubled from the lows of five years ago, but leveled out recently



#### **Retirement Fund Performance** Unrealized Gain/Loss by Asset Class



• Unrealized gains within private markets, losses in rate-sensitive liquid assets



Agenda item 18 – Joint Meeting August 23, 2023

# Investment Practices Review with NEPC Division moves to 5<sup>th</sup> floor of legacy building

RFQ for all seven investment consulting roles



#### Developments & Initiatives Investments Division

Focus on attracting and retaining talent

#### **Investment Practices Review** Working Timeline



• Texas Gov't Code § 802.109 requires a report every three years

Time Period	Activity	
January 2023	Staff and NEPC begin engagement	
May 2023	NEPC meets with key members of Staff	
August 2023	NEPC provides initial findings on IPS	
Fall 2023	NEPC conducts follow up meeting as needed	
December 2023	NEPC delivers final report to Board	
June 2024	Report due to Pension Review Board	



#### Discussion



#### Public Agenda Item #19

#### \*Consideration and Annual Review of the ERS Investment Policy Statement - (Action)

August 23, 2023

David T. Veal, CFA, CAIA, FRM

#### **Annual IPS Review** Process for Developing Recommendations



- Policy requires review of IPS by staff at least annually
- Review conducted by Investments, Investment Compliance, Office of General Counsel, Executive Office, and General Investment Consultant
- Second look from CIO, General Counsel, and Compliance Officer

#### **Annual IPS Review** Highlights of Staff Recommendations

- Most significant proposed updates:
  - Adoption of Charter for Investment Advisory Committee (Board)
  - Update asset allocation parameters related to Cash (IAC)
  - Create two classes of Restricted Persons (Compliance)
  - Add language regarding statutory duty of diversification (Staff)
     Add detail regarding the role of investment consultants (Staff)



#### **Annual IPS Review** Adoption of IAC Charter



- IAC role and functioning not fully defined within the IPS
- Charter for the IAC would provide detailed guidance on its role
- Proposed charter modeled on ACIC Charter but is also customized
- Inserted as Addendum VI, ACIC Charter becomes Addendum VII
- Redundant text in IPS Chapter III regarding the IAC is deleted

## **Annual IPS Review**



Updates to Strategic Asset Allocation Parameters for Cash

- Interest rates on cash now exceed 5%, making it more important
- Increase maximum Trust allocation from 3% to 5%, target remains 2%
- Increase GBP target allocation from 30% to 50%
  - Reduce allocation to Rates and Public Credit by 10% each
  - Improves risk/return profile by **+40%** while keeping yield above 5%

#### **Annual IPS Review** Updates to Code of Ethics



• Clarifies who is subject to pre-clearing personal trades

Restricted Persons I	Restricted Persons II	
Routine access to confidential information	Limited access to confidential information	
ED, Investments staff and other personnel as designated by ED	Includes Deputy ED, IS, attorneys, and other personnel as designated by ED	
Subject to Personal Transactions policy	Not subject to Personal Transactions policy	
Submits quarterly affirmation of compliance	Submits quarterly affirmation of compliance	
No gifts, benefits or favors	No gifts, benefits or favors	

#### **Annual IPS Review** Statutory Duty of Diversification



- Incorporates longstanding language from Texas statutes requiring a trustee to:
  - Make decisions at the trust level and as part of an overall investment strategy having risk and return objectives reasonably suited to the trust.
  - Diversify trust investments unless reasonably determined that, because of special circumstances, the trust purposes are better served without doing so.
  - Exercise its duty of care by considering all investments of the trust as a whole and not by considering the prudence of a single investment in isolation.

#### **Annual IPS Review** Role of Investment Consultants



- Adds detail regarding the specific roles of investment consultants
- Clearer distinction between general and asset class consultants
- Language aims to support comprehensive RFQ process during FY24

- Revise governance tables to provide additional clarity (NEPC)
- Clarify distinction between different types of benchmarks (Staff)
- Specifically prohibit the advancement of outside agendas (Staff)
- Delete obsolete language in Code of Ethics (OGC)



Discussion Action Item



#### Public Agenda Item #20

#### \* Consideration and Annual Review of Proposed Private Markets Capital Plans for Fiscal Year 2024– (Action)

#### August 23, 2023

Anthony Curtiss, Deputy Chief Investment Officer David T. Veal, Chief Investment Officer

#### Agenda item 20 – Joint Meeting August 23, 2023

# Private Markets Capital Plans

#### Overview

- **Capital Planning Process**
- Established in IPS
- Guide asset allocation
- Manage commitment activity
- Manage 30+ ACICs per year
- Liquidity management

ERS Private Markets Portfolio	Target Allocation	Target Range	Portfolio Role
Private Equity	16%	11% to 21%	Growth, Enhanced Returns, Illiquidity Premium
Private Real Estate	9%	4% to 14%	Diversification, Yield, Potential to Hedge Inflation, Enhanced Returns, Illiquidity Premium
Private Infrastructure	5%	0% to 10%	Diversification, Income- Orientation, Inflation Hedging, Illiquidity Premium
Private Credit	3%	0% to 8%	Yield, Diversification, Illiquidity Premium



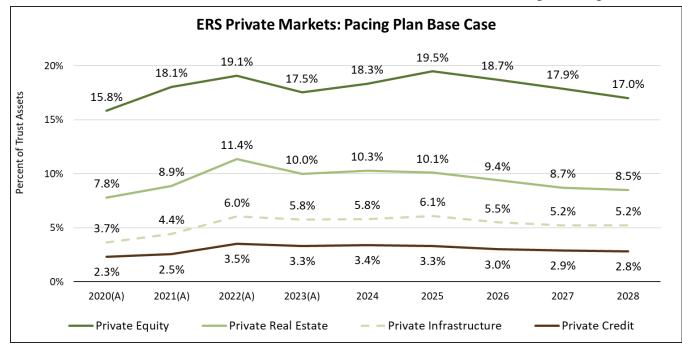


#### Long-Term View of Trust-level Capital Planning

#### **Private Markets Capital Plans** Plan for Fiscal Years 2024-2028



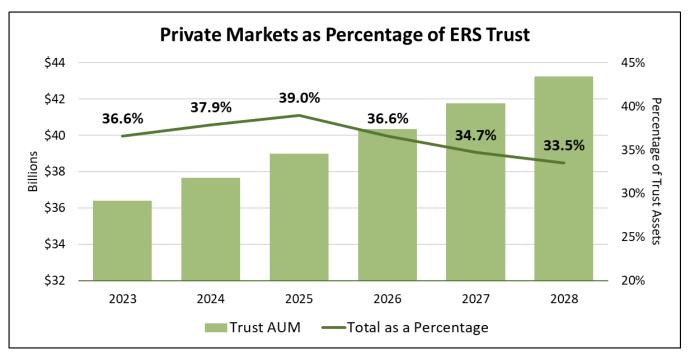
Private market allocations continue to trend toward their strategic targets



#### **Private Markets Capital Plans** Plan For Fiscal Years 2024-2028



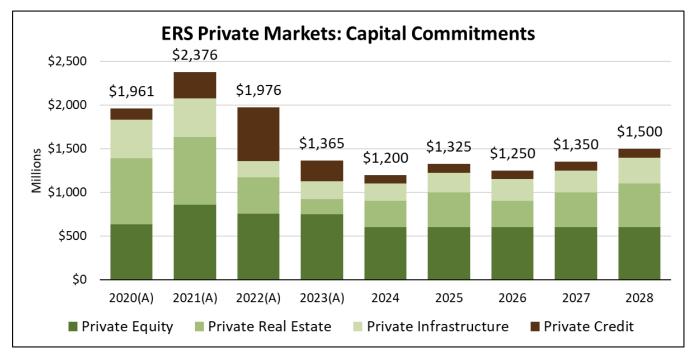
• Current trajectory maintains a prudent risk profile with <40% in private markets



#### **Private Markets Capital Plans** Plan for Fiscal Years 2024-2028



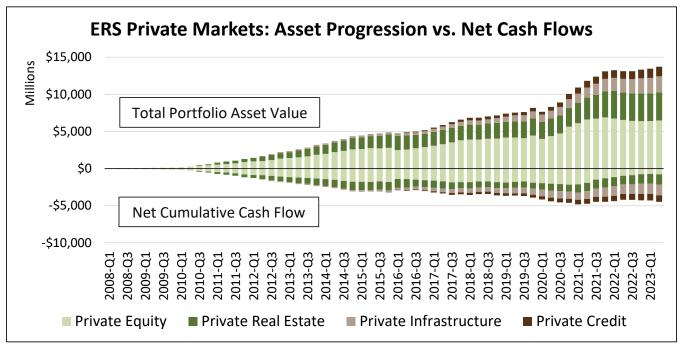
Conservative commitment level given a mature program



#### **Private Markets Capital Plans** Plan for Fiscal Years 2024-2028 (Action)



Mature program producing net cash flow, which is expected to continue through FY28

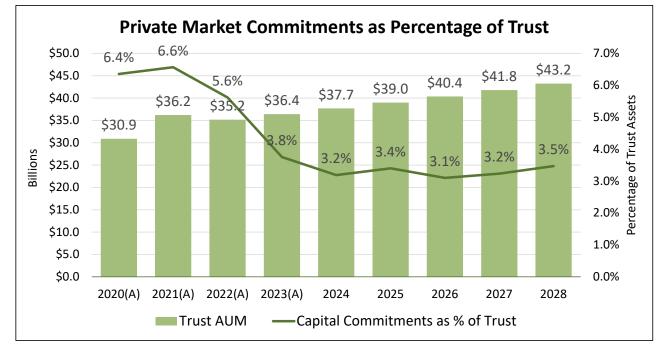


Agenda item 20 – Joint Meeting August 23, 2023

#### **Private Markets Capital Plans** Plan for Fiscal Years 2024-2028



• After a decade of growth, the private markets program has now reached maturity

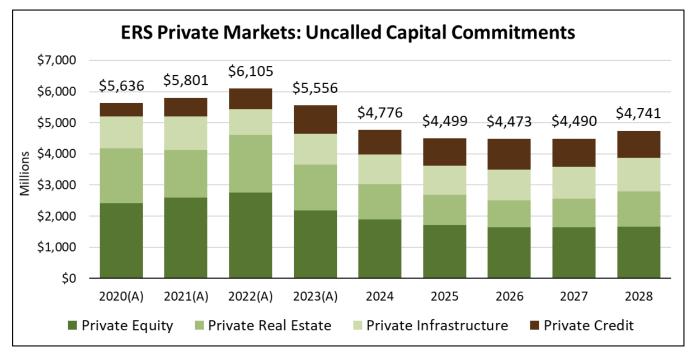


Agenda item 20 – Joint Meeting August 23, 2023

#### **Private Markets Capital Plans** Plan for Fiscal Years 2024-2028



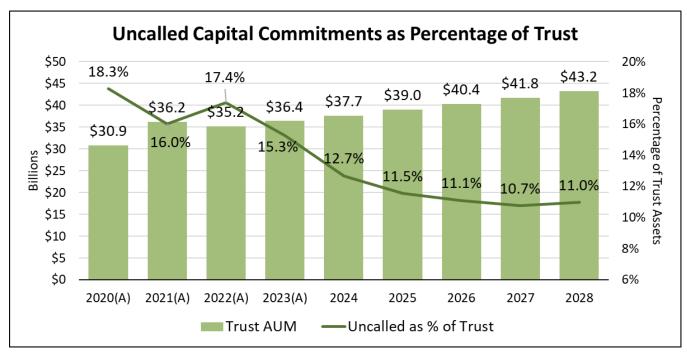
• Uncalled commitments have peaked and are expected to remain stable



#### **Private Markets Capital Plans** *Plan for Fiscal Years 2024-2028*



The relative amount of uncalled capital commitments continues to trend down



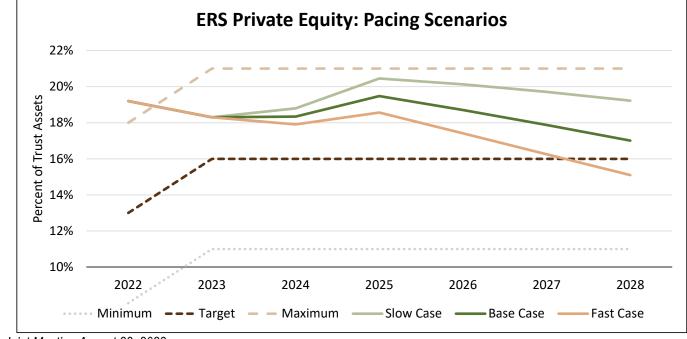


### Capital Plans for Private Market Asset Classes

# **Private Equity Capital Plan** Proposed Tactical Plan for FY24



• Target FY24 commitments of \$600 million, range of \$450-750 million



Agenda item 20 – Joint Meeting August 23, 2023

# **Private Equity Capital Plan** Proposed Tactical Plan for FY24

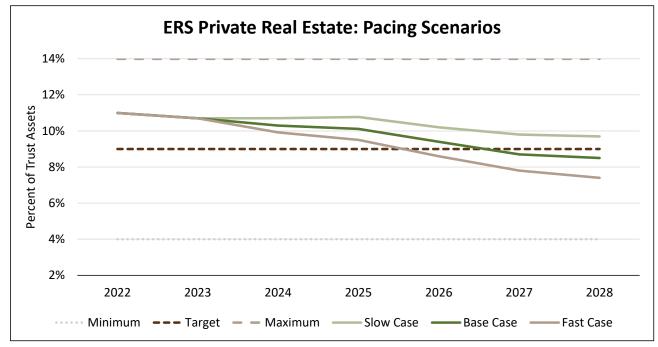


- 12 new primary fund commitments and 5-9 co-investments
- Focus on both buyout and growth equity, with a targeted approach to healthcare and technology
- Additional consideration for energy investments
- Staff expects to maintain a similar pacing for the FY24-FY28
- Transaction multiples continue to decline, driven by slower M&A activity and a difficult fundraising environment

# **Real Estate Capital Plan** *Proposed Tactical Plan for FY24*



Target commitments of \$300 million, range of \$150-450 million



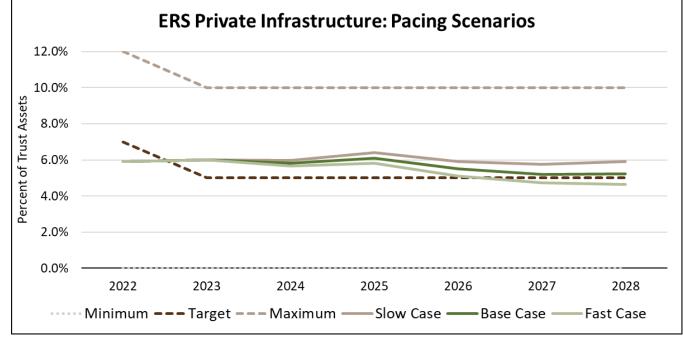
**Private Real Estate Capital Plan** *Proposed Tactical Plan for FY24* 

- 5-8 commitments (inclusive of co-investments)
- Strong desire to add industrial exposure
- Niche strategies (i.e. life science, data centers, self storage, etc.)
- Pull forward of some additional commitment capacity
- Vintage year outlook appears favorable with Real Estate prices off ~15% vs. March 2022 highs

# **Private Infrastructure Capital Plan** Proposed Tactical Plan for FY24



• Target commitments of \$200 million, range of \$150-250 million



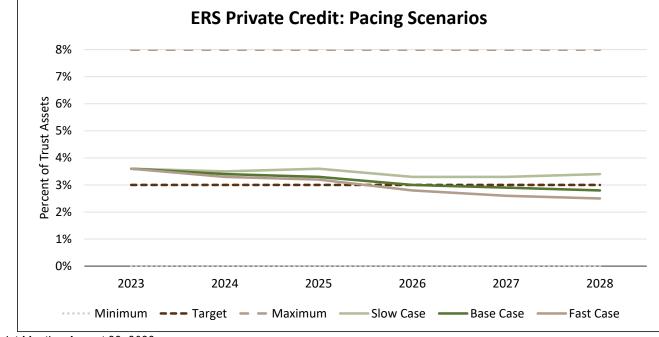
**Private Infrastructure Capital Plan** Proposed Tactical Plan for FY24

- 4 9 commitments (inclusive of co-investments)
- Consideration of adding core exposure in FY24
- Non-U.S. exposure consideration (Europe and Australia)
- Staff expects a gradual increase to its pacing after FY24
- Transaction multiples remain stable despite market volatility

# Private Credit Capital Plan Proposed Tactical Plan for FY24



• Target commitments of \$100 million, range of \$100-150 million



# **Private Credit Capital Plan** Proposed Tactical Plan for FY24

- Continue to pursue opportunistic approach
- 1 2 new primary fund commitments for the year
- Some areas within structured credit appear attractive
- Staff expects to maintain a similar pacing for the FY24-FY28

# **Private Markets Capital Plan** Capital Plan Proposal for FY24



• Total commitments of \$1.2 billion, range of \$900 million to \$1.5 billion

Program	Proposed FY24	Target Range FY24
Private Equity	\$600 million	\$450 to \$750 million
Private Real Estate	\$300 million	\$150 to \$450 million
Private Infrastructure	\$200 million	\$150 to \$250 million
Private Credit	\$100 million	\$100 to \$150 million
TOTAL TRUST	\$1,200 million	\$900 million to \$1,500 million



# Discussion Action Item



#### Public Agenda Item #21

#### Investment Advisory Committee Member Recognition

#### August 23, 2023

David T. Veal, Chief Investment Officer

### **Investment Advisory Committee** Operating Framework

**ERS**<sup>°</sup>

- Chartered in the IPS to advise the Board on matters related to investments
- Exists at the discretion of the Board in Texas Administrative Code § 63.17(b)
- Has at least five members and not more than nine, with eight currently.
- Members are selected based on experience:
  - in managing a business in which investment decisions are made, or
  - as a prominent educator in the fields of economics or finance.
- IAC members serve at the pleasure of the Board for staggered three-year terms.
- Members must comply with ERS Investment Policy Statement and Texas law.

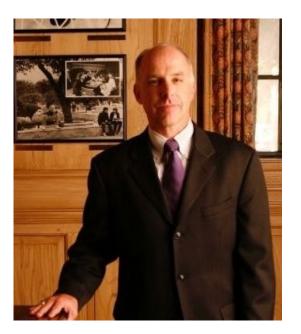
#### 123

# Former portfolio manager for ERS of Texas 1992-1995

Served for six years as a US Marine Corps officer

# Jim Hille Professional Credentials

- IAC member at ERS since August 2011
- Retired as first Chief Investment Officer of Texas Christian University (TCU) from 2006-2021
- CIO of Teacher Retirement System of Texas 2002-2006
- Director of Int'l Equites for TRS of Texas 1995-2002





### **Jim Hille** *Resolution in Honor*

- ERS IAC member since 2011
  - Attendance at 35 of 38 Board/IAC meetings
  - Participant in numerous ACIC meetings
  - Participated in CIO search process in 2020-2021
- Thank you for your dedicated service to ERS!





# Investment Advisory Committee

#### Skills Assessment



#### as of September 1, 2023 Public Hedge Investment Private Rates Real Infra-Special Term Credit Experience Equity & Cash Expiration Equity Funds Estate structure Situations IAC Chair, Gene L. Needles, Jr. 5/31/26 Former Chairman, President and 42 years 1 1 1 $\checkmark$ ~ $\checkmark$ CEO, Resolute Investment Managers IAC Vice-Chair, Laurie Dotter Retired from Transwestern Corporate 5/31/25 1 1 1 38 years Properties as President Bob Alley, CFA 1 1 1 Retired from AIM Advisors. Inc. as 8/31/24 46 years 1 1 Chief Fixed Income Officer Ryan Bailey, CFA, FRM, CAIA, CMT 1 Partner & Co-CIO, Investment Office 3/31/25 23 years 1 1 1 1 1 ~ $\checkmark$ Resources Milton Hixson, CPA, CFP 49 years 1 1 1 1 1 3/31/26 1 1 Founder & President, FMP Wealth Advisors Ken Mindell Retired SVP. Treasurer & Dir. 1 1 1 5/31/25 41 years 1 1 1 Investments for Rosewood Management Corporation Ruby Muñoz Dang Partner and Director of Marketing & 3/31/25 26 years 1 1 1 $\checkmark$ Client Services, Garcia Hamilton &

#### Investment Advisory Committee Skills Assessment

Agenda item 21 – Joint Meeting August 23, 2023

Associates, L.P.



#### Discussion



# Public Agenda Item #22 Board Member Recognition

August 23, 2023

Porter Wilson, Executive Director

#### Catherine 'Cat' Melvin

- Served on the ERS Board of Trustees since September 2017
  - Audit Committee Chair Fiscal Years 2018 and 2019
  - Board Vice Chair Fiscal Year 2021
  - Board Chair Fiscal Year 2022
- Currently serves as Chief Auditor for the Texas Department of Public Safety with more than 20 years service as Chief Audit Executive
- Leader in both state government and internal audit community
- Served on and lead numerous interagency and professional committees and task forces



Thank you for your dedicated service to ERS, your fellow state employees, ERS retirees and their family members!





#### Public Agenda Item #23

#### Election of Board Chair and Board Vice Chair for Fiscal Year 2024 – (Action – Board Only)

August 23, 2023



#### Public Agenda Item #24

#### Dates for Fiscal Year 2024 Meetings of the ERS Board of Trustees, Investment Advisory Committee, and Audit Committee

#### August 23, 2023

#### Next Meeting Dates



#### **Fiscal Year 2023 Meeting Dates**

2-day Workshop: Tuesday, December 5, 2023 Wednesday, December 6, 2023

Wednesday, March 20, 2024 Wednesday, May 22, 2024 Wednesday, August 21, 2024



#### Public Agenda Item #25

#### Adjournment of the Joint Meeting of the Board of Trustees and Investment Advisory Committee

August 23, 2023