

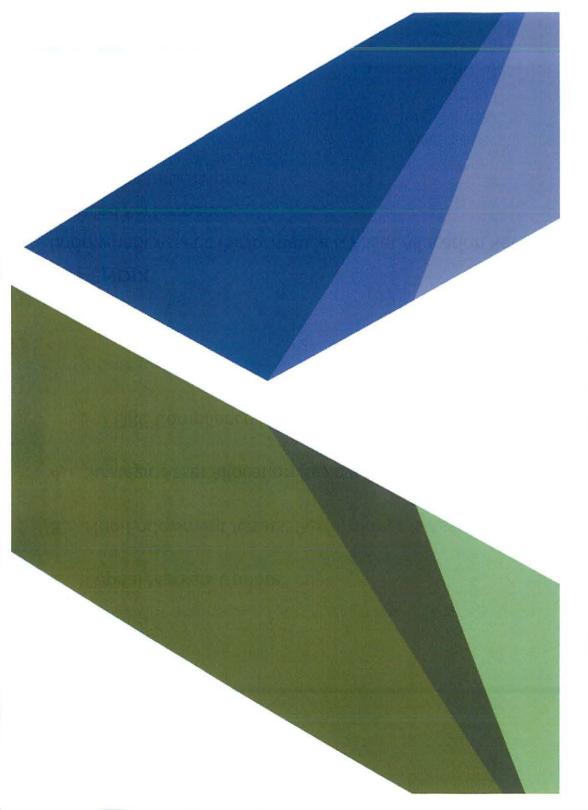
# BOARD OF TRUSTEES INVESTMENT COMMITTEE Laura A. Lyden, Chair Charles T. George, Vice Chair All Trustees are Members

Wednesday, September 18, 2024 10:01 a.m.

Board Room Tod Hall

#### **AGENDA**

- A. Disposition of Minutes for Meeting
- B. Old Business
- C. Committee Item
  - 1. Discussion Item
- C.1.a. = Tab 1
- September 18, 2024 Quarterly Portfolio Asset Allocation and Investment Performance Review
   John Colla, Clearstead, will report.
- D. New Business
- E. Adjournment



September 18, 2024

## YOUNGSTOWN STATE UNIVERSITY



1100 Superior Avenue East Suite 700 Cleveland, Ohio 44114 216.621.1090 | clearstead.com **CONTENTS** 

- Initiatives
- Capital Markets Update
- Non-Endowment Assets: Performance & Asset Allocation Review
- Strategic Asset Allocation Review / Asset Allocation Guidelines (ACTION)
  - **ORC Compliance Review**

#### **APPENDIX**

Endowment Assets: Performance & Asset Allocation Review

**Detailed Performance** 

Supporting Information







	Investment Policy Review Strategic Asset Allocation Review	1Q	2Q	3Q ✓	4Q COMMENTS:	LAST REVIEWED Investment Policy: 06/21/2023 Strategic Asset Allocation: 09/18/2024 Fee Review: 09/18/2024
STRATEGIC / ADMINISTRATIVE	Peer Review 2025 Oversight Dashboard		<b>\</b>			MEETING SCHEDULE 1Q: March 6, 2024
	STAR Ohio/Plus Annual Review					2Q: June 5, 2024 3Q: September 18, 2024 4Q: December 4, 2024
	Fixed Income Review					FOLLOW UP / INITIATIVES
	Alternative Investments Review		1			FOLLOW OF / INITIATIVES
PORTFOLIO	Global Equity Review				Zivie a	
	Capital Markets Review	/	1	/		
PERFORMANCE	Quarterly Performance Review	1	1	<b>√</b>		
	Endowed Account Review / Oversight	1	1	1		
	Fee Review					
	ORC Compliance Review			1		
OTHER	Clearstead Firm Update	1				





## **QUARTERLY THEMES**

#### WHAT HAPPENED LAST QUARTER?

- Economic momentum continued, prompting a rise in global equity markets
- Concentrated market: The Fab 5 drove all the S&P 500 return for the quarter; the rest of the index was down 0.4% collectively
- S&P 500 Q1 2024 earnings came in at +5.9%(YoY), exceeding the +3.4% expectation
- The Fed reset expectations for one rate cut in 2024, rather than three

2Q 2024 Returns: S&P 500 +4.3%; Russell 2000 -3.3%; MSCI EAFE -0.4%; Bloomberg US Agg +0.1%

YTD 2024 Returns: S&P 500 +15.3%; Russell 2000 +1.7%; MSCI EAFE +5.3%; Bloomberg US Agg -0.7%

#### **INVESTMENT & ECONOMIC OUTLOOK:**

- · Soft landing seemed to unfold in the first half of 2024; economy may strengthen in the second half
- Expect inflation to remain choppy but lower by year-end
- Corporate earnings expected to increase 11% for 2024
  - o Given high valuations, if earnings, margins, or sales disappoint, downside risks loom
- Tail risks remain in the commercial real estate market
- Lingering geopolitical uncertainty and an upcoming U.S. presidential election underscore the importance of diversification



## **U.S. ECONOMIC PROJECTIONS**

		2024	2025	2026	LONG RUN*	
GDP	June 2024 March 2024 December 2023 September 2023	2.1% 2.1% 1.4% 1.5%	2.0% 2.0% 1.8% 1.8%	2.0% 2.0% 1.9% 1.8%	1.8% 1.8% 1.8% 1.8%	Moderate Growth
Unemployment Rate	June 2024 March 2024 December 2023 September 2023	4.0% 4.0% 4.1% 4.1%	4.2% 4.1% 4.1% 4.1%	4.1% 4.0% 4.1% 4.0%	4.2% 4.1% 4.1% 4.0%	Stable Employment
Core PCE Inflation	June 2024 March 2024 December 2023 September 2023	2.8% 2.6% 2.4% 2.6%	2.3% 2.2% 2.2% 2.3%	2.0% 2.0% 2.0% 2.0%		Slightly Elevated Inflation Expectations
Federal Funds Rate	June 2024 March 2024 December 2023 September 2023	5.1% 4.6% 4.6% 5.1%	4.1% 3.9% 3.6% 3.9%	3.1% 3.1% 2.9% 2.9%	2.8% 2.6% 2.5% 2.5%	Fewer Rate Cuts
# of implied 25 bps rate changes year	June 2024 March 2024 December 2023 September 2023	-1 -3 -3 -2	-4 -3 -4 -5	-4 -3 -3 -4		

<sup>\*</sup>Long run projections: The rates to which a policymaker expects the economy to converge over time – maybe in five or six years – in the absence of further shocks and under appropriate monetary policy.

Source: Clearstead, U.S. Federal Reserve. Expectations of Fed board members/bank presidents. Data as of 6/30/2024. Past performance is not an indicator of future results.



6.00%		U.S	. TREASURY YII	ELD CURVE		
YATURIU 2:00% ——					J	
4.00%						
XIEID	3M	2Y	3Y	5Y	10Y	30Y
3.00%	3M 4.37%	2Y 4.43%	3Y 4.23%	5Y 4.01%	10Y 3.88%	30Y 3.97%
3.0070	5775-575	V 1000	10001		400-000-00	
<b>—</b> 12/31/2022	4.37%	4.43%	4.23%	4.01%	3.88%	3.97%







U.S. large caps gained, interest rates were volatile and ended lower, U.S. dollar weakened, and softer macro data highlighted August

- o International > U.S. large > U.S. mid > U.S. small; Emerging market lagged U.S. large caps
- o Only by a modest difference, but value outpaced growth

In fixed income, rates moved lower while the yield curve steepened during the month.

Markets sold-off the first week of August but then sharply rebounded; S&P 500 closed August near mid-July's record high; Fed (finally) telegraphed a rate cut in September.

 Market expectations are for up to four (-0.25%) rate cuts by Dec-2024; geopolitical risks taking center stage, September volatility likely to pick up as investors reposition portfolios

					2		
MARKET	2023	Q1-2024	Q2-2024	Jul-2024	Aug-2024	YTD	Tre
S&P 500	26.3%	10.6%	4.3%	1.2%	2.4%	19.5%	
Russell 2000	16.9%	5.2%	-3.3%	10.2%	-1.5%	10.4%	
MSCI EAFE	18.2%	5.8%	-0.4%	2.9%	3.3%	12.0%	
MSCI EM	9.8%	2.4%	5.0%	0.3%	1.6%	9.6%	
MSCI China	-11.2%	-2.2%	7.1%	-1.3%	1.0%	4.4%	
MSCI ACWI	22.8%	8.3%	3.0%	1.6%	2.6%	16.3%	
Bloomberg US Agg Bond	5.5%	-0.8%	0.1%	2.3%	1.4%	3.1%	
Bloomberg High Yield Bond	13.5%	1.5%	1.1%	1.9%	1.6%	6.3%	
Bloomberg Muni Bond	6.4%	-0.4%	0.0%	0.9%	0.8%	1.3%	

Source: Bloomberg 8/30/2024. Past performance is not an indicator of future results





NON-ENDOWMENT ASSETS:
PERFORMANCE & ASSET ALLOCATION
REVIEW

## NON-ENDOWMENT PERFORMANCE REVIEW (AS OF 6/30/2024)

					TRAILING	PERIODS	5			CAL	ENDAR Y	EARS	
NON-ENDOWMENT ASSETS	MARKET VALUE (\$MM)	QTD	FYTD	CYTD	1 YR	3 YR	5 YR	7 YR	10 YR	2023	2022	2021	SINCE INCEPTION <sup>4</sup>
Total Non-Endowment Assets	\$81.614	1.3%	9.5%	4.5%	9.5%	3.0%	5.6%	5.3%	4.5%	11.0%	-7.8%	7.8%	4.3%
	Benchmark <sup>1</sup>	1.4%	8.4%	4.1%	8.4%	3.0%	4.1%	4.0%	3.4%	8.7%	-4.7%	4.3%	3.3%
Operating & Short-Term Pool	\$11.732	1.2%	5.1%	2.5%	5.1%	2.9%	2.2%	2.0%	1.5%	4.8%	1.4%	0.0%	1.1%
	Benchmark <sup>2</sup>	1.3%	5.4%	2.6%	5.4%	2.9%	2.1%	2.0%	1.5%	5.0%	1.2%	0.0%	1.1%
Long-Term Pool	\$69.882	1.2%	10.2%	5.0%	10.2%	2.3%	5.4%	5.4%	4.9%	11.9%	-11.2%	9.5%	5.3%
	Benchmark <sup>3</sup>	1.5%	10.7%	5.3%	10.7%	2.9%	5.5%	5.6%	4.9%	11.7%	-9.7%	8.0%	5.0%

#### LONG-TERM POOL ASSET ALLOCATION

	CURRENT	TARGETS	RANGE	+/-
U.S. Equity	29.7%	27%	20-35%	2.7%
International Equity	8.1%	8%	0-15%	0.1%
Total Equity	37.7%	35%	25-45%	2.7%
Alternatives	13.7%	15%	0-20%	-1.3%
Short-Term Fixed Income	28.6%	30%	25-45%	-1.4%
Intermediate-Term Fixed Income	18.6%	20%	10-30%	-1.4%
Cash	1.4%	0%	0-5%	1.4%



<sup>1) 45%</sup> BofA Merrill Lynch 91-Day T-Bill / 17% BofA Merrill Lynch US Corp & Gov 1-3 Yrs / 11% BBgBarc US Govt/Credit Int TR / 8% Total Alternatives Benchmark / 15% Russell 3000 / 4% MSCI EAFE.

<sup>4)</sup> Inception date for Long-Term and Short-Term Pools: June 2010, Inception Date for Total Non-Endowment Assets: March 2004.

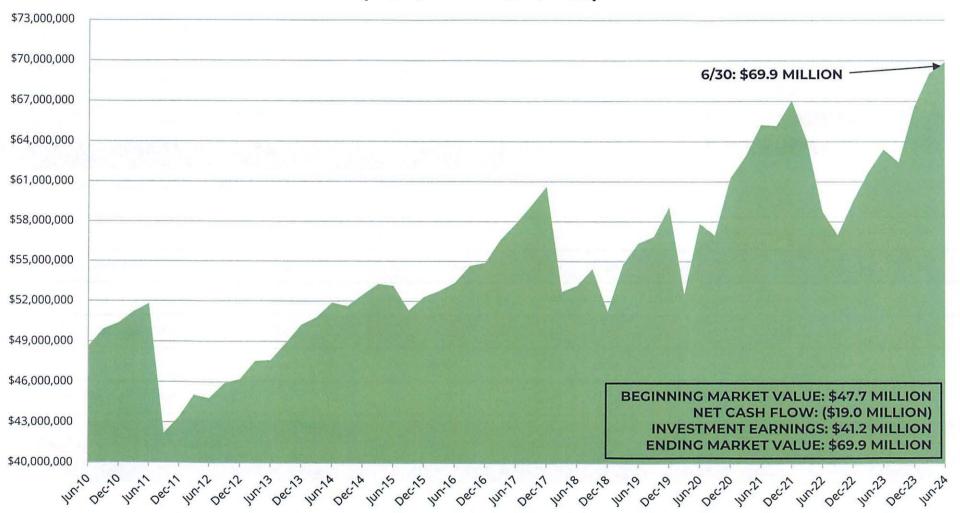


<sup>2) 95%</sup> BofA Merrill Lynch 91-Day T-Bill / 5% Barclays 1-3 Yr. Govt.

<sup>3) 27%</sup> Russell 3000 / 8% MSCI EAFE / 15% Total Alternatives Benchmark / 30% BofA Merrill Lynch US Corp & Gov 1-3 Yrs /20% BBgBarc US Govt/Credit Int TR.

### LONG-TERM POOL: MARKET VALUE GROWTH SINCE INCEPTION 12

#### LONG-TERM POOL MARKET VALUE CHANGE (07/01/2010 - 06/30/2024)



The University made strategic withdrawals from the Long-Term Pool as follows: In 2011 to support an early retirement incentive program that required a large purchase of state service credit; in 2018 to support capital improvement projects on campus; and in 2020 to cover a projected COVID-19-related shortfall in the short-term operating pool.



### LONG-TERM POOL: JULY PERFORMANCE UPDATE

AS OF 7/31	MARKET VALUE (\$MM)	JULY	CYTD	FYTD
Total University Assets	\$73.9	+1.6%	+6.2%	+1.6%
Operating/Short-Term Pool	\$2.7	+0.2%	+2.7%	+0.2%
Long-Term Pool*	\$71.2	+1.8%	+7.0%	+1.8%

July was a favorable month for both equities and fixed income as rates decreased and more broad market participation occurred, after a quarter where five stocks generated all of the S&P 500's return.

Mixed results from active managers during the month, but all have outpaced their respective benchmarks over the past five years.

- Mixed results from equity managers as U.S. small cap managers performed well
- Alternative managers Evanston (Weatherlow) and Cliffwater continue to generate strong absolute and relative returns; H.I.G. also has performed well, though reports results on a lag (as of 3/31)
- o Fixed income managers continue to benefit from higher rates

\*Does not include performance from H.I.G. as they report results on a lag. H.I.G. results are through 12/31. H.I.G.'s performance is expected to modestly improve CYTD and FYTD results.



## **INVESTMENT POOL UPDATE (AS OF 09/04/2024)**

YOUNGSTOWN STATE UNIVERSITY						AS OF SEPT	TEMBER 4, 202
	TICKER	INVESTMENT STRATEGY	MARKET VALUE (CURRENT)	% OF PORTFOLIO	POLICY TARGET	POLICY RANGE	TACTICAL +/-
Total Operating & Short Term			\$2,761,147	100.0%	100.0%		120000000000000000000000000000000000000
Federated Hermes Govt Obligations	FOGXX	Money Market	\$2,761,147	100.0%			
Star Plus*		Cash Equivalent	\$0	0.0%			
Star Ohio*		Cash Equivalent	\$0	0.0%			
Total Long Term Reserves Pool			\$71,166,152	100.0%	100.0%	B THE COLUMN	O management of the
Domestic Equity			\$21,089,988	29.6%	27.0%	20-35%	2.6%
Vanguard Insti Index	VINIX	Large Cap Core	\$15,175,096	21.3%			
Vanguard Mid Cap Index Adm	VIMAX	Mid-Cap Core	\$2,621,649	3.7%			
Loomis Sayles Small Growth N2	LSSNX	Small Cap Growth	\$1,666,453	2.3%			
Victory Integrity Small Cap Value Y	VSVIX	Small Cap Value	\$1,626,791	2.3%			
International Equity			\$5,855,210	8.2%	8.0%	0-15%	0.2%
William Blair International Growth I	BIGIX	Foreign Growth	\$2,631,755	3.7%			
Dodge & Cox International Stock	DODFX	Foreign Value	\$3,223,455	4.5%			
<u>Total Eq</u>	<u>uity</u>		\$26,945,198	37.9%	35.0%	25-45%	2.9%
Alternatives			\$9,600,289	13.5%	15.0%	0-20%	-1.5%
H.I.G. Principal Lending Fund <sup>1</sup>	-	Private Credit	\$2,291,042	3.2%			
Cliffwater Corporate Lending Fund	CCLFX	Private Credit	\$2,074,847	2.9%			
Apollo Infrastructure Opps Fund III		Real Assets	\$0	0.0%			
Weatherlow Fund <sup>2</sup>	2	Diversifying Strategy	\$5,234,400	7.4%			
Fixed Income			\$33,935,656	47.7%	50.0%	35-75%	-2.3%
Short Term Fixed Income			\$20,413,327	28.7%	30.0%	25-45%	-1.3%
YSU Short Term Bond		Short-Term Fixed	\$13,539,242	19.0%			
Lord Abbett Short Duration	LLDYX	Short-Term Fixed	\$6,874,085	9.7%			
Intermediate Fixed Income			\$13,522,329	19.0%	20.0%	10-30%	-1.0%
JPMorgan Core Bond Fund R6 <sup>3</sup>	JCBUX	Core Plus Fixed	\$5,488,765	7.7%			
YSU Intermediate Term Fixed		Interm-Term Fixed	\$4,633,515	6.5%			
Fidelity Intermediate Treasury Index	FUAMX	Interm-Term Treasury	\$3,400,049	4.8%			
Cash & Cash Equivalents	s at wife		\$685,008	1.0%	0.0%	0-5%	1.0%
Federated Hermes Govt Obligations		Money Market	\$685,008	1.0%	314.74	2010	
Total University Assets		money market	\$73,927,299	1.070	*	a Marian Carlo	







STRATEGIC ASSET ALLOCATION REVIEW



#### **LEVELS OF RISKS**

ORGANIZATION	STRATEGIC INVESTMENT APPROACH	INVESTMENT PORTFOLIO
Leadership	Current and effective IPS	Standard deviation
Governance	Pool structure	Correlation
Investment Committee	Strategic asset allocation	Beta
Reliance on investment assets	Discipline to approach	Downside capture
Operational health	Liquidity	Maximum drawdown
Ohio Revised Code	Cash management	Tracking error, R <sup>2</sup>
Key financial metrics	Rebalancing	Tactical positioning



### **OBJECTIVES & RISK CONSIDERATIONS**

#### PORTFOLIO OBJECTIVES

The YSU non-endowment assets have performed well over a full market cycle.

Asset allocation is the most important determinant of portfolio risk and return - looking forward, it is important to align the asset allocation, structure and risk/return objectives of the non-endowment assets with those of the strategic focus of YSU.

- Compliance with Ohio Revised Code 3345.05 (25% average rule\*)
- Support YSU cash-flow and financial needs both currently and in the future
- Target a prudent level of investment return once risks have been mitigated

#### **RISK CONSIDERATIONS**

- Ohio Revised Code 3345.05
  - Short-Term pool provides compliance; additionally, approximately 10-15% of the Long-Term Pool assets provide additional support
- Liquidity
  - Non-Endowment assets are highly liquid; a majority of assets have daily liquidity
- Cash flow forecast
  - YSU does not anticipate needing to withdraw funds from the Long-Term Pool in the near-term
- Market value volatility
  - YSU staff and trustees have expressed a willingness to except modest increase in investment risk in pursuit of a higher investment return
- Cash flow cyclicality
  - . The University's cash flows fluctuate over the year due to operations
- Financial statement sensitivity
  - The University's balance sheet and key financial metrics are sensitive to the University's investment strategy

<sup>\*</sup>A minimum of 25% of the average amount of the University's investment portfolio over the course of the previous fiscal year must be invested according to ORC guidelines (i.e. US government bonds, cash equivalents)



## LIQUIDITY MANAGEMENT & INVESTMENT POOL STRUCTURE

- · Separate guidelines and asset allocation targets
- The University can allocate assets between investment pools with respect to cash needs
- · Allowable asset ranges established between investment pools

COMBINED

**OPERATING POOL** 

SHORT-TERM POOL

LONG-TERM / RESERVES POOL

ASSET POOL	PURPOSE
Operating Pool	Assets needed in the next 6 months
Short-Term Pool	Contingency to operating accounts
Long-Term / Reserves Pool	Non-Endowment investment assets for reserves & auxiliaries



## **LONG-TERM POOL GROWTH**

CALENDAR YEAR	INVESTMENT ASSETS CASH OUTFLOW	INVESTMENT ASSETS CASH INFLOW	YEAR END (12/31) EQUITY %	YEAR END (12/31) ALTERNATIVES %	YEAR END (12/31) FIXED INCOME %	CALENDAR YEAR RETURN	MARKET VALUE (12/31)
2010		+\$46,871,000 (Creation of LT Pool)	19.2%	0%	80.8%	+5.5%	\$50,383,000
2011	-\$8,000,000	en or parker (worder	24.9%	0%	75.1%	+1.9%	\$43,392,000
2012		an Sin Generalli	27.1%	0%	72.9%	+6.4%	\$46,190,324
2013	-	Live to fall and the second	33.8%	0%	66.2%	+8.7%	\$50,249,454
2014	-		37.7%	0%	62.3%	+4.5%	\$52,491,768
2015	2	<u>-</u>	35.0%	11.9%	53.2%	-0.5%	\$52,324,443
2016	-		36.5%	15.6%	47.9%	+4.0%	\$54,892,466
2017	=		37.0%	15.1%	47.8%	+10.5%	\$60,625,347
2018	-\$8,000,000	Carlos Torres	33.2%	15.0%	51.8%	-3.4%	\$51,238,803
2019	=	server e monte	35.9%	14.8%	49.2%	+15.3%	\$59,067,298
2020	-\$2,900,000	y is to the	38.7%	11.2%	50.2%	+8.8%	\$66,471,553
2021	-		41.2%	10.4%	48.3%	+9.5%	\$67,042,600
2022			38.8%	11.2%	50.0%	-11.2%	\$59,507,519
2023	-	×	37.0%	13.5%	49.5%	+11.9%	\$66,536,739
2024*	-	-	37.7%	13.7%	48.6%	+5.0%	\$69,881,930

\*2024 figures as of 6/30/2024 and do not represent year-end or calendar year information.

The University made strategic withdrawals from the Long-Term Pool as follows: In 2011 to support an early retirement incentive program that required a large purchase of state service credit; in 2018 to support capital improvement projects on campus; and in 2020 to cover a projected COVID-19-related shortfall in the short-term operating pool.



## FORWARD LOOKING ANALYSIS (LONG-TERM POOL)

	CURRENT TARGETS	ALTERNATE
U.S. Equity	27%	32%
International Equity	8%	8%
Alternative Investments	15%	15%
Fixed Income: Short-Term	30%	20%
Fixed Income: Intermediate-Term	20%	<u>25%</u>
Total	100%	100%
*10-Year Forecasted Return	5.8%	6.1%
*10-Year Forecasted Returns (75 <sup>th</sup> – 25 <sup>th</sup> Percentile Outcomes)	4.3% - 7.7%	4.3% - 8.1%
*Forecasted (Annual) Volatility	8.4%	9.1%

The model does not take into account the potential alpha added from active management and tactical asset allocation.



## FY23 ASSET ALLOCATION VS. OHIO STATE UNIVERSITIES (AS OF 6/30/2023)

	Youngstown State University	Small State University	Small State University	Mid-Sized State University	Mid-Sized State University	Mid-Sized State University	Mid-Sized State University	Mid-Sized State University	Large State University	Large State University
Equity	32%	0%	43%	1%	45%	38%	41%	40%	28%	30%
Alternatives	9%	0%	0%	5%	9%	16%	25%	20%	31%	43%
Fixed Income & Cash	59%	100%	57%	94%	46%	45%	34%	40%	41%	26%

- The above peer analysis compares Youngstown State's balance sheet asset allocation to other Ohio State Universities that range in size
  - While University Endowments/Foundations are much more long-term driven, balance sheet assets must support short-term and long-term needs of the institution and align with its strategic plan and financial position
- Comparing YSU to small and mid-sized (Ohio) State Universities, the University is similarly allocated to peers
  - The University historically has been modestly more conservative vs. peers, which has benefitted the institution through volatile periods in the market
  - The cyclicality of higher ed operating revenue also factors into FYE positioning for Universities

Source: State of Ohio Auditor; FY 2023. University asset size ranges from \$10 million to \$9.5 billion.



### YSU ASSET ALLOCATION GUIDELINES

Clearstead has reviewed YSU's Asset Allocation Guidelines and recommends modest changes to the current guidelines at this time.

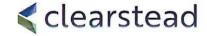
The changes lower the allocation to short-term bonds in favor of locking in higher interest rates, increasing intermediate-term fixed income exposure.

The changes also modestly increase the target to U.S. equities, which remains appropriate from an investment risk perspective, inline with objectives of prudently growing the Long-Term Pool, and similarly allocated compared to peers.

OPERATING & SHORT-TERM POOL		ALLOCATION	
Asset Class/Investment Strategy	Pool Target	Pool Range	Total Range
Total Cash/Operating Assets	n/a	60-100%	
Total Short-Term Fixed Income	n/a	0-40%	
			0-50%
LONG TERM / RESERVES POOL			
Total Domestic Equity	<del>27%</del> 32%	<del>20-35%</del> 25%-40%	
Total International Equity	8%	0-15%	
Total Equity	<del>35%</del> 40%	<del>25-45%</del> 25-50%	
Total Alternatives	15%	0-20%	
Total Short-Term Fixed Income	<del>30%</del> 20%	<del>25-45%</del> -15-35%	
Total Intermediate-Term Fixed Income	<del>20%</del> 25%	<del>10-30%</del> 15-35%	W
Cash	0%	0-5%	
	100%	And the second	50-100%

The current asset allocation strategy conservatively factors:

- Adherence with State of Ohio guidelines
- Contingency for cash flow fluctuations in operating funds
  - Adequate liquidity
  - Growth opportunity through equity allocation
- Diversification with the incorporation of alternative investments -Mitigates impact of equity market volatility on YSU balance sheet & income statement





## ORC COMPLIANCE REVIEW (AS OF 6/30/2024)

	TOTAL NON-ENDOWMENT ORC 3345.05 DEFINED ASSETS*	% FROM SHORT-TERM POOL	% FROM LONG-TERM POOL
9/30/23	37%	26%	11%
12/31/23	20%	7%	13%
3/31/24	35%	25%	10%
6/30/24	25%	14%	11%
Average	29%	18%	11%

#### YSU is in-line with the Ohio Revised Code 3345.05 Compliance requirements.

	COMPLIANT
Over 25% of Total Portfolio in Cash Equivalents/Govt Securities (average amount over previous FY)	Yes
Investment policy adopted in public session	Yes
Quarterly Investment Committee meetings	Yes
Recommend changes to the Board's Investment Policy that assist in meeting the Committee's fiduciary duties	Yes
Retain an investment advisor who meets the qualifications	Yes

<sup>\*</sup>A minimum of 25% of the average amount of the University's investment portfolio over the course of the previous fiscal year must be invested according to ORC guidelines (i.e., US government bonds, cash equivalents). Analysis does not include cash equivalent or government security exposure in Long-Term Pool fixed income managers invested in through mutual funds. With this exposure, YSU's allocation and average would be higher.







ENDOWMENT ASSETS:
PERFORMANCE & ASSET ALLOCATION
REVIEW

## ENDOWMENT ASSETS: PERFORMANCE & ASSET ALLOCATION (AS OF 6/30/2024)

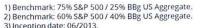
				TRAI	LING PER	IODS				CAL	ENDAR YI	EARS	
ENDOWMENT ASSETS	MARKET VALUE (\$MM)	QTD	FYTD	CYTD	1 YR	3 YR	5 YR	7 YR	10 YR	2023	2022	2021	SINCE INCEPTION <sup>3</sup>
YSU Endowment Fund	\$17.204	3.6%	16.9%	10.5%	16.9%	4.7%	9.8%	9.5%	8.5%	12.8%	-15.7%	20.9%	9.0%
	Benchmark <sup>1</sup>	3.2%	18.8%	11.1%	18.8%	6.8%	11.3%	11.0%	10.1%	20.9%	-16.6%	20.6%	10.9%
	Benchmark <sup>2</sup>	2.6%	15.4%	8.7%	15.4%	4.8%	9.0%	9.0%	8.4%	17.7%	-15.8%	15.9%	9.1%

#### COMPLIANCE

- Reporting & Oversight by Clearstead, Management/Implementation by Huntington
- Asset Allocation Guidelines: 70% Equities (60-80%) / 30% Cash & Fixed Income (20-40%) (IN COMPLIANCE)

#### **HOLDINGS**

- Equity Mutual Funds 10% (Mutual Funds & ETFs)
- Stocks 62% (30-60 Concentrated U.S. Large/Mid-Cap Stock Portfolio)
- Alternatives 2% (Real Estate Mutual Fund)
- Fixed Income Mutual Funds 2% (Federated High Yield, Stone Ridge)
- Individual Bonds 23% (Individual Bond Portfolio: U.S. Corporate / Gov't / Asset Backed Debt)
- Cash 2%







## **EXECUTIVE SUMMARY**

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	Market Value 04/01/2024	Market Value 06/30/2024	% of Portfolio	Quarter 2024 (%)	YTD (%)
Total University Assets	\$92,549,492	\$81,613,658	100.0	1.3	4.5
Total Policy Benchmark <sup>1</sup>				1.4	4.1
Total Operating & Short Term	\$23,511,897	\$11,731,728	14.4	1.2	2.5
Total Operating & Short Term Benchmark <sup>2</sup>				1.3	2.6
Total Long Term/ Reserves Pool	\$69,037,595	\$69,881,930	85.6	1.2	5.0
Total Long Term/ Reserves Fund Benchmark <sup>3</sup>				1.5	5.3
Total Domestic Equity	\$20,235,958	\$20,696,842	25.4	2.3	11.8
Russell 3000 Index				3.2	13.6
Total International Equity	\$5,712,402	\$5,665,582	6.9	-0.8	3.8
MSCI AC World ex USA (Net)				1.0	5.7
Total Alternatives	\$9,400,475	\$9,512,700	11.7	1.6	6.3
Total Alternatives Benchmark⁴				0.4	4.6
Total Fixed Income	\$32,740,671	\$33,012,493	40.4	0.8	1.1
Total Fixed Income Benchmark <sup>5</sup>				0.9	1.1
Total Cash & Cash Equivalents	\$948,090	\$994,312	1.2	1.3	2.6
90 Day U.S. Treasury Bill				1.3	2.6

<sup>5)</sup> Total Fixed Income Benchmark: 64% ICE BofA 1-3 Yr US Corp & Govt / 36% BBgBarc US Govt/Credit Int.



<sup>1)</sup> Total Policy Benchmark: 45% ICE BofA 91 Days T-Bills / 17% ICE BofA 1-3 Yr US Corp & Govt / 11% BBgBarc US Govt/Credit Int / 8% Total Alternatives Benchmark / 15% Russell 3000 / 4% MSCI EAFE. 2) Total Operating & Short-Term Benchmark: 95% ICE BofA 91 Days T-Bills / 5% BBgBarc US Govt 1-3 Yr.

<sup>3)</sup> Total Long-Term / Reserves Fund Benchmark: 27% Russell 3000 / 8% MSCI EAFE / 15% Total Alternatives Benchmark / 30% ICE BofA 1-3 Yr US Corp & Govt / 20% BBgBarc US Govt/Credit Int,

<sup>4)</sup> Total Alternatives Benchmark: 100% HFRI Fund of Funds Composite.

## **ASSET ALLOCATION GUIDELINES COMPLIANCE**

Total Plan Asset Allocation Policy	Range	Current
Operating & Short-Term Pool	0% - 50%	14%
Long Term/ Reserves Pool	50% - 100%	86%

Operating & Short-Term Pool	Range	Current
Operating Assets	60% - 100%	100%
Short-Term Assets	0% - 40%	0%

Long Term/ Reserves Pool	Target	Range	Current
Domestic Equity	27%	20% - 35%	30%
International Equity	8%	0% - 15%	8%
Total Equity	35%	25% - 45%	38%
Alternatives	15%	0%-20%	14%
Short-Term Fixed Income	30%	25% - 45%	29%
Intermediate Fixed Income	20%	10% - 30%	19%
Cash & Cash Equivalents	0%	0% - 5%	1%

In Line Within Tolerance Review



## **SCHEDULE OF ASSETS**

	Ticker	Account Type	Begin Market Value \$	Market Value 06/30/2024	% of Portfolio
Total University Assets			\$92,549,492	\$81,613,658	100.0
Total Operating & Short Term			\$23,511,897	\$11,731,728	14.4
Federated Hermes Government Obligations Fund	GOSXX	Cash	\$23,511,897	\$11,731,728	14.4
Total Long Term/ Reserves Pool			\$69,037,595	\$69,881,930	85.6
Total Domestic Equity			\$20,235,958	\$20,696,842	25.4
Vanguard Institutional Index	VINIX	US Stock Large Cap Core	\$14,362,680	\$14,976,735	18.4
Vanguard Mid Cap Index Adm	VIMAX	US Stock Mid Cap Core	\$2,575,501	\$2,504,708	3.1
Loomis Sayles Sm Growth N	LSSNX	US Stock Small Cap Growth	\$1,643,949	\$1,638,178	2.0
Victory Integrity Small Value Y	VSVIX	US Stock Small Cap Value	\$1,653,829	\$1,577,221	1.9
Total International Equity			\$5,712,402	\$5,665,582	6.9
William Blair International Growth I	BIGIX	International	\$2,633,480	\$2,586,053	3.2
Dodge & Cox Internat'l Stock	DODFX	International	\$3,078,922	\$3,079,529	3.8
Total Alternatives			\$9,400,475	\$9,512,700	11.7
Weatherlow Offshore Fund I Ltd Cl IIA		Hedge Fund	\$5,117,137	\$5,190,661	6.4
Cliffwater Corporate Lending I		Private Debt	\$1,958,594	\$2,030,997	2.5
H.I.G. Whitehorse Principal Lending Offshore Feeder Fd, L.P.		Direct Lending	\$2,324,743	\$2,291,042	2.8
Total Fixed Income			\$32,740,671	\$33,012,493	40.4
JPMorgan Core Bond	WOBDX	US Fixed Income Core	\$5,236,868	\$5,251,856	6.4
YSU Intermediate Term Bond		US Fixed Income Core	\$4,461,359	\$4,493,424	5.5
Fidelity Interm Treasury Bond Index	FUAMX	US Fixed Income Core	\$3,230,593	\$3,233,961	4.0
YSU Short Term Bond		US Fixed Income Short Term	\$13,171,279	\$13,307,751	16.3
Lord Abbett Short Duration Income I	LLDYX	US Fixed Income Short Term	\$6,640,572	\$6,725,502	8.2
Total Cash & Cash Equivalents			\$948,090	\$994,312	1.2
Federated Hermes Government Obligations Fund	GOSXX	Cash	\$948,090	\$994,312	1.2



#### **TOTAL UNIVERSITY ASSETS**

	Q3-2023	Q4-2023	Q1-2024	Q2-2024	One Year
otal University Assets					
Beginning Market Value	\$77,367,011	\$84,550,946	\$71,834,657	\$92,549,492	\$77,367,011
Contributions	\$15,000,000	-	\$18,000,000	·	\$33,000,000
Distributions	-\$7,026,806	-\$17,000,000	-\$24,332	-\$12,000,000	-\$36,051,138
Net Cash Flows	\$7,973,194	-\$17,000,000	\$17,975,668	-\$12,000,000	-\$3,051,138
Net Investment Change	-\$789,259	\$4,283,710	\$2,739,168	\$1,064,166	\$7,297,785
Ending Market Value	\$84,550,946	\$71,834,657	\$92,549,492	\$81,613,658	\$81,613,658
Change \$	\$7,183,935	-\$12,716,290	\$20,714,836	-\$10,935,834	\$4,246,647

#### **LONG-TERM POOL**

	Q3-2023	Q4-2023	Q1-2024	Q2-2024	One Year
otal Long Term/ Reserves Pool					
Beginning Market Value	\$63,401,993	\$62,447,104	\$66,536,739	\$69,037,595	\$63,401,993
Contributions	-	-	· ·		
Distributions	-\$26,806		-\$24,332		-\$51,138
Net Cash Flows	-\$26,806		-\$24,332	-	-\$51,138
Net Investment Change	-\$928,083	\$4,089,635	\$2,525,188	\$844,335	\$6,531,076
Ending Market Value	\$62,447,104	\$66,536,739	\$69,037,595	\$69,881,930	\$69,881,930
Change \$	-\$954,889	\$4,089,635	\$2,500,856	\$844,335	\$6,479,938



## PERFORMANCE SUMMARY (AS OF 06/30/2024)

	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	2 Yr (%)	3 Yr (%)	5 Yr (%)	7 Yr (%)	10 Yr (%)	2023 (%)	2022 (%)	2021 (%)	Inception (%)	Inception Date
Total University Assets	100.0	1.3	4.5	9.5	8.2	3.0	5.6	5.3	4.5	11.0	-7.8	7.8	4.3	Apr-04
Total Policy Benchmark		1.4	4.1	8.4	7.0	3.0	4.1	4.0	3.4	8.7	-4.7	4.3	3.3	
Total Operating & Short Term	14.4	1.2	2.5	5.1	4.3	2.9	2.2	2.0	1.5	4.8	1.4	0.0	1.1	Jul-10
Total Operating & Short Term Benchmark		1.3	2.6	5.4	4.4	2.9	2.1	2.0	1.5	5.0	1.2	0.0	1.1	
Federated Hermes Government Obligations Fund	14.4	1.2	2.5	5.1	4.3	2.9	1.9	1.8	1.3	4.8	1.4	0.0	3.2	Nov-21
90 Day U.S. Treasury Bill		1.3	2.6	5.4	4.5	3.0	2.2	2.1	1.5	5.0	1.5	0.0	3.4	
Total Long Term/ Reserves Pool	85.6	1.2	5.0	10.2	9.1	2.3	5.4	5.4	4.9	11.9	-11.2	9.5	5.3	Jul-10
Total Long Term/ Reserves Fund Benchmark		1.5	5.3	10.7	9.1	2.9	5.5	5.6	4.9	11.7	-9.7	8.0	5.0	
Total Domestic Equity	25.4	2.3	11.8	20.3	19.3	7.4	13.2	12.8	11.6	22.7	-17.7	26.9	14.0	Jul-10
Russell 3000 Index		3.2	13.6	23.1	21.0	8.1	14.1	13.5	12.1	26.0	-19.2	25.7	14.4	
Vanguard Institutional Index	18.4	4.3	15.3	24.5	22.0	10.0	15.0	14.2	12.8	26.2	-18.1	28.7	14.8	Jul-10
S&P 500 Index		4.3	15.3	24.6	22.0	10.0	15.0	14.3	12.9	26.3	-18.1	28.7	14.8	
Vanguard Mid Cap Index Adm	3.1	-2.7	4.9	11.8	12.8	2.2	9.4	9.5	9.1	16.0	-18.7	24.5	11.6	Oct-10
Vanguard Mid Cap Index Benchmark		-2.7	4.9	11.8	12.8	2.2	9.4	9.6	9.1	16.0	-18.7	24.5	11.6	
Loomis Sayles Sm Growth N	2.0	-0.4	6.4	9.2	13.7	-1.8	7.2	9.8	9.2	12.1	-22.8	10.2	7.8	Sep-19
Russell 2000 Growth Index		-2.9	4.4	9.1	13.7	-4.9	6.2	7.3	7.4	18.7	-26.4	2.8	7.1	
Victory Integrity Small Value Y	1.9	-4.6	0.4	10.8	13.7	4.5	9,4	7.4	6.9	17.6	-7.7	33.6	10.2	Oct-10
Russell 2000 Value Index		-3.6	-0.8	10.9	8.4	-0.5	7.1	5.9	6.2	14.6	-14.5	28.3	9.1	
Total International Equity	6.9	-0.8	3.8	8.6	11.7	-0.3	6.8	5.6	4.3	16.2	-17.6	10.0	5.4	Oct-10
MSCI AC World ex USA (Net)		1.0	5.7	11.6	12.2	0.5	5.5	5.2	3.8	15.6	-16.0	7.8	4.8	
William Blair International Growth I	3.2	-1.8	4.6	8.5	11.6	-4.6	6.4	6.1	4.7	15.4	-28.3	9.0	7.0	Jul-12
MSCI AC World ex USA (Net)		1.0	5.7	11.6	12.2	0.5	5.5	5.2	3.8	15.6	-16.0	7.8	6.0	
Dodge & Cox Internat'l Stock	3.8	0.0	3.2	8.7	11.7	3.6	6.7	4.8	3.5	16.7	-6.8	11.0	5,6	Oct-10
MSCI EAFE (Net)		-0.4	5.3	11.5	15.1	2.9	6.5	5.7	4.3	18.2	-14.5	11.3	5.8	
Total Alternatives	11.7	1.6	6.3	9.2	7.8	1.6	2.3	2.6	7	7.3	-6.9	5.3	2.2	Mar-15
Total Alternatives Benchmark		0.4	4.6	8.5	6.1	2.1	3.0	3.3	=	6.1	-5.3	6.2	2.7	
Weatherlow Offshore Fund I Ltd CI IIA	6.4	1.5	7.7	11.6	8.8	1.2	7.6	6.9	5.2	7.6	-8.9	5.6	1.2	Jul-21
HFRI Fund of Funds Composite Index		0.4	4.6	8.5	6.1	2.1	4.8	4.3	3.5	6.1	-5.3	6.2	2.1	
Cliffwater Corporate Lending I	2.5	3.7	6.7	13.9	11.8	10.2	9.6			12.7	6.6	10.3	7.9	Dec-23
Credit Suisse Leveraged Loan Index		1.9	4.4	11.0	10.6	6.0	5.4	5.1	4.6	13.0	-1.1	5.4	4.4	
H.I.G. Whitehorse Principal Lending Offshore Feeder Fd, L.P.	2.8	0.0	2.5	6.9	8.6			-	-	10.6		-	8.6	Jul-22
Credit Suisse Leveraged Loan Index		1.9	4.4	11.0	10.6	6.0	5.4	5.1	4.6	13.0	-1.1	5.4	10.6	

<sup>1)</sup> Total Policy Benchmark: 45% ICE BofA 91 Days T-Bills / 17% ICE BofA 1-3 Yr US Corp & Govt / 11% BBgBarc US Govt/Credit Int / 8% Total Alternatives Benchmark / 15% Russell 3000 / 4% MSCI EAFE.

<sup>4)</sup> Total Alternatives Benchmark: 100% HFRI Fund of Funds Composite.
5) Total Fixed Income Benchmark: 64% ICE BofA 1-3 Yr US Corp & Govt / 36% BBgBarc US Govt/Credit Int.



<sup>2)</sup> Total Operating & Short-Term Benchmark: 95% ICE BofA 91 Days T-Bills / 5% BBgBarc US Govt 1-3 Yr.

<sup>3)</sup> Total Long-Term / Reserves Fund Benchmark: 27% Russell 3000 / 8% MSCI EAFE / 15% Total Alternatives Benchmark / 30% ICE BofA 1-3 Yr US Corp & Govt / 20% BBgBarc US Govt/Credit Int,

## PERFORMANCE SUMMARY (AS OF 6/30/2024)

	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	2 Yr (%)	3 Yr (%)	5 Yr (%)	7 Yr (%)	10 Yr (%)	2023	2022 (%)	2021 (%)	Inception (%)	Inception Date
Total Fixed Income	40,4	0.8	1.1	4.9	3.1	-0.1	1.4	1.9	1.8	5.9	-6.7	0.1	2.0	Jul-10
Total Fixed Income Benchmark		0.9	1.1	4.7	2.5	-0.1	1.1	1.5	1.4	4.9	-5.4	-0.8	1.6	
JPMorgan Core Bond	6.4	0.2	-0.1	3.0	1.1	-2.6	0.2	1.2	1.6	5.8	-12.3	-1.1	1.0	Sep-17
Blmbg. U.S. Aggregate Index		0.1	-0.7	2.6	0.8	-3.0	-0.2	0.9	1.3	5.5	-13.0	-1.5	0.7	
YSU Intermediate Term Bond	5.5	0.7	0.7	4.5	2.5	-0.9	1.1	1.7	1.7	5.7	-8.0	-1.3	3.1	Apr-04
Blmbg. Intermed. U.S. Government/Credit		0.6	0.5	4.2	2.0	-1.2	0.7	1.4	1.5	5.2	-8.2	-1.4	2.8	
Fidelity Interm Treasury Bond Index	4.0	0.1	-0.9	1.6	-0.4	-3.6	-0.7	0.5	1.1	4.1	-12.7	-3.0	2.4	Dec-23
Blmbg. U.S. Treasury: 5-10 Year		0.1	-1.0	1.6	-0.4	-3.5	-0.7	0.5	1.1	4.1	-12.6	-3.0	-1.0	
YSU Short Term Bond	16.3	1.0	1.6	5.2	3.1	0.9	1.5	1.8	1.5	5.0	-3.3	-0.4	2.3	Apr-04
ICE BofA 1-3 Yr. Gov/Corp		1.0	1.4	4.9	2.7	0.6	1.3	1.5	1.4	4.6	-3.8	-0.4	2.1	
Lord Abbett Short Duration Income I	8.2	1.3	2.3	6.0	3.6	1.0	1.8	2.2	2.1	5.4	-4.6	1.1	2.3	Apr-18
ICE BofA 1-3 Yr. Gov/Corp		1.0	1.4	4.9	2.7	0.6	1.3	1.5	1.4	4.6	-3.8	-0.4	1.7	
Total Cash & Cash Equivalents	1.2	1.3	2.6	5.2	4.3	2.9	2.0		4	4.8	1.5	0.0	1.8	Apr-18
90 Day U.S. Treasury Bill		1.3	2.6	5.4	4.5	3.0	2.2	2.1	1.5	5.0	1.5	0.0	2.2	
Federated Hermes Government Obligations Fund	1.2	1.2	2.5	5.1	4.3	2.9	1.9	1.8	1.3	4.8	1.4	0.0	2.0	Dec-19
90 Day U.S. Treasury Bill		1.3	2.6	5.4	4.5	3.0	2.2	2.1	1.5	5.0	1.5	0.0	2.2	

<sup>5)</sup> Total Fixed Income Benchmark: 64% ICE BofA 1-3 Yr US Corp & Govt / 36% BBgBarc US Govt/Credit Int.



<sup>1)</sup> Total Policy Benchmark: 45% ICE BofA 91 Days T-Bills / 17% ICE BofA 1-3 Yr US Corp & Govt / 11% BBgBarc US Govt/Credit Int / 8% Total Alternatives Benchmark / 15% Russell 3000 / 4% MSCI EAFE. 2) Total Operating & Short-Term Benchmark: 95% ICE BofA 91 Days T-Bills / 5% BBgBarc US Govt 1-3 Yr.

<sup>3)</sup> Total Long-Term / Reserves Fund Benchmark: 27% Russell 3000 / 8% MSCI EAFE / 15% Total Alternatives Benchmark / 30% ICE BofA 1-3 Yr US Corp & Govt / 20% BBgBarc US Govt/Credit Int, 4) Total Alternatives Benchmark: 100% HFRI Fund of Funds Composite.



**SUPPORTING INFORMATION** 

### **ASSET CLASS RETURNS**

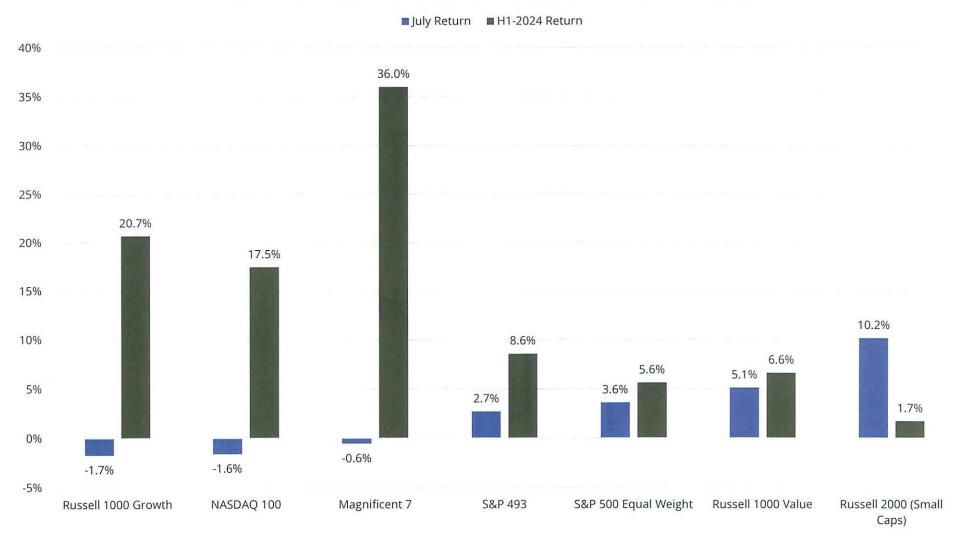
2014	<u>2015</u>	<u>2016</u>	2017	2018	<u>2019</u>	2020	<u>2021</u>	2022	2023	Q1 2024	Q2 2024	2024 YTD
Large Cap	Large Cap	Sm/Mid	Em Mkt	Cash	Large Cap	Sm/Mid	Large Cap	Cash	Large Cap	Large Cap	Em Mkt	Large Cap
13.7%	1.4%	17.6%	37.3%	1.9%	31.5%	20,0%	28.7%	1.5%	26.3%	10.6%	5.0%	15.3%
Sm/Mid	US Bonds	Hi Yld	Dev Intl	US Bonds	Sm/Mid	Large Cap	Sm/Mid	Hdg Fnds	Dev Intl	Sm/Mid	Large Cap	Em Mkt
7.1%	0.6%	17.5%	25.0%	0.0%	27.8%	18.4%	18.2%	-5.3%	18.2%	6.9%	4.3%	7.5%
US Bonds	Cash	Large Cap	Large Cap	Glb Bond	Dev Intl	Em Mkt	Dev Intl	Hi Yld	Sm/Mid	Dev Intl	Cash	Dev Intl
6.0%	0.1%	12.0%	21.8%	-0.9%	22.0%	18.3%	11.3%	-11.2%	17.4%	5.8%	1.3%	5.3%
Hdg Fnds	Hdg Fnds	Em Mkt	Sm/Mid	Hi Yld	Em Mkt	Hdg Fnds	Hdg Fnds	US Bonds	Hi Yld	Hdg Fnds	Hi Yld	Hdg Fnds
3.4%	-0.3%	11.2%	16.8%	-2.3%	18.4%	10.9%	6.2%	-13.0%	13.5%	4.2%	1.1%	4.7%
Hi Yld	Dev Intl	US Bonds	Glb Bond	Hdg Fnds	Hi Yld	Glb Bond	Hi Yld	Dev Intl	EM Mkt	Em Mkt	Hdg Fnds	Cash
2.5%	-0.8%	2.7%	9.3%	-4.0%	14.4%	9.5%	5.4%	-14.5%	9.8%	2.4%	0.5%	2.7%
Cash	Sm/Mid	Glb Bond	Hdg Fnds	Large Cap	US Bonds	Dev Intl	Cash	Large Cap	Hdg Funds	Hi Yld	US Bonds	Hi Yld
0.0%	-2.9%	1.9%	7.8%	-4.4%	8.8%	7.8%	0.1%	-18.1%	6.1%	1.5%	0.1%	2.6%
Em Mkt	Hi Yld	Dev Intl	Hi Yld	Sm/Mid	Hdg Fnds	US Bonds	US Bonds	Sm/Mid	US Bonds	Cash	Dev Intl	Sm/Mid
-2.2%	-4.6%	1.0%	7.5%	-10.0%	8.4%	7.5%	-1.5%	-18.4%	5.5%	1.3%	-0.4%	2.4%
Glb Bond	Glb Bond	Hdg Fnds	US Bonds	Dev Intl	Glb Bond	Hi Yld	Em Mkt	Glb Bond	Cash	US Bonds	Glb Bond	US Bonds
-2.8%	-4.8%	0.5%	3.5%	-13.8%	5.0%	6.2%	-2.5%	-19.6%	5.1%	-0.8%	-3.1%	-0.7%
Dev Intl	Em Mkt	Cash	Cash	Em Mkt	Cash	Cash	Glb Bond	Em Mkt	Glb Bonds	Glb Bond	Sm/Mid	Glb Bond
-4.5%	-14.9%	0.3%	0.9%	-14.6%	2.3%	0.5%	-8.2%	-20.1%	4.2%	-3.8%	-4.3%	-6.8%

Past performance is not an indicator of future results. Asset classes represented by: Large Cap – S&P 500 Index; Sm/Mid – Russell 2500 Index; Dev Intl – MSCI EAFE Index; Em Mkt – MSCI Emerging Markets Index; Hi Yld – Bank of America Merrill Lynch U.S. High Yield Master II; US Bonds – Barclays Capital U.S. Aggregate; Glb Bond – Barclays Capital Global Treasury ex US; Hdg Fnds – HFRI FOF: Diversified Index; Cash – Merrill Lynch 91-day Tbill . Data as of 6/30/2024. Source: Morningstar Direct.



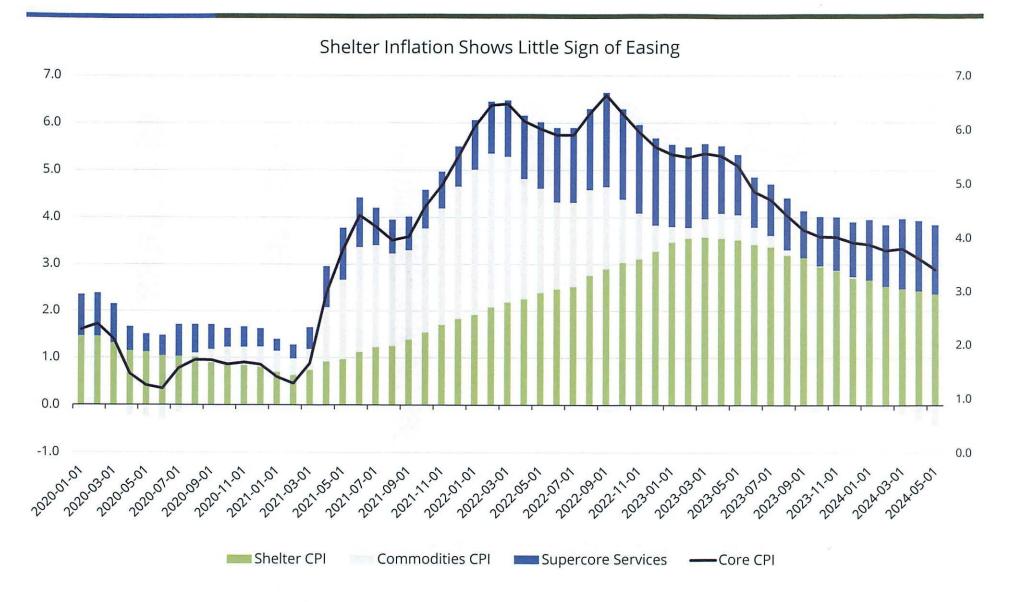
# STAYING DIVERSIFIED THROUGH NARROW MARKETS: ROTATION - GROWTH / VALUE; EQUAL VS. REG VS. NASDAQ

### ROTATION FROM LARGE TO SMALL; GROWTH TO VALUE



Source: Clearstead, Bloomberg LP, as of 7/31/2024, Past performance is not an indicator of future returns.



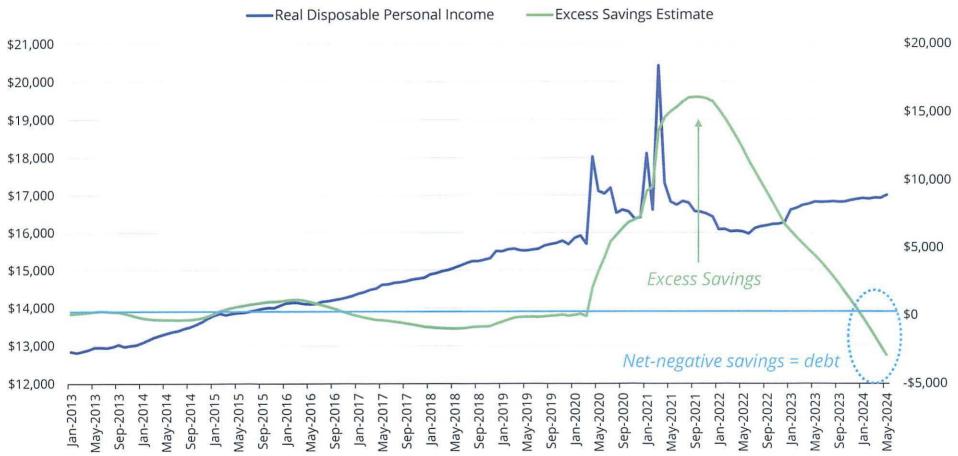


Source: Clearstead, BLS, Bloomberg, 7/3/2024



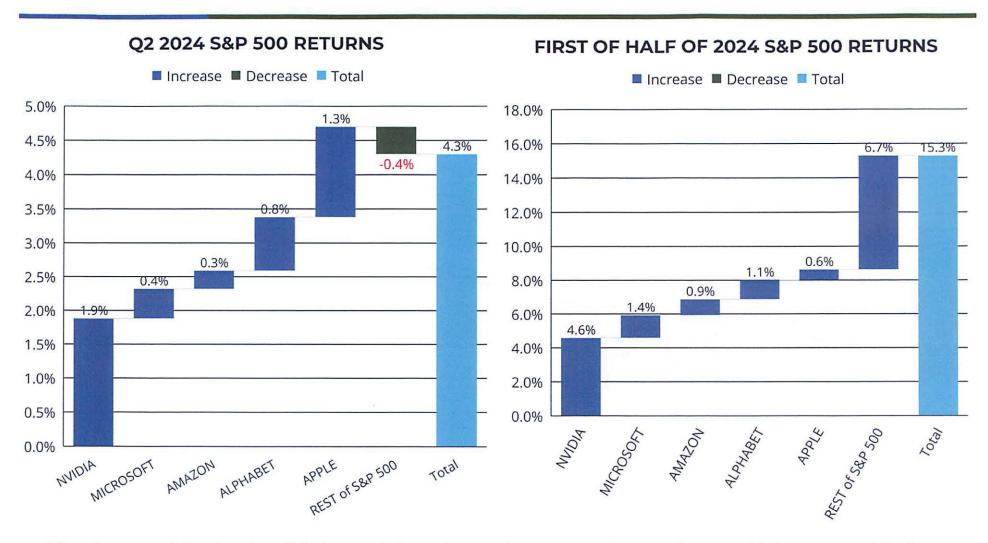
### **CONSUMER FEELING THE PINCH**





Source: Clearstead, BLS, Bloomberg, 7/3/2024



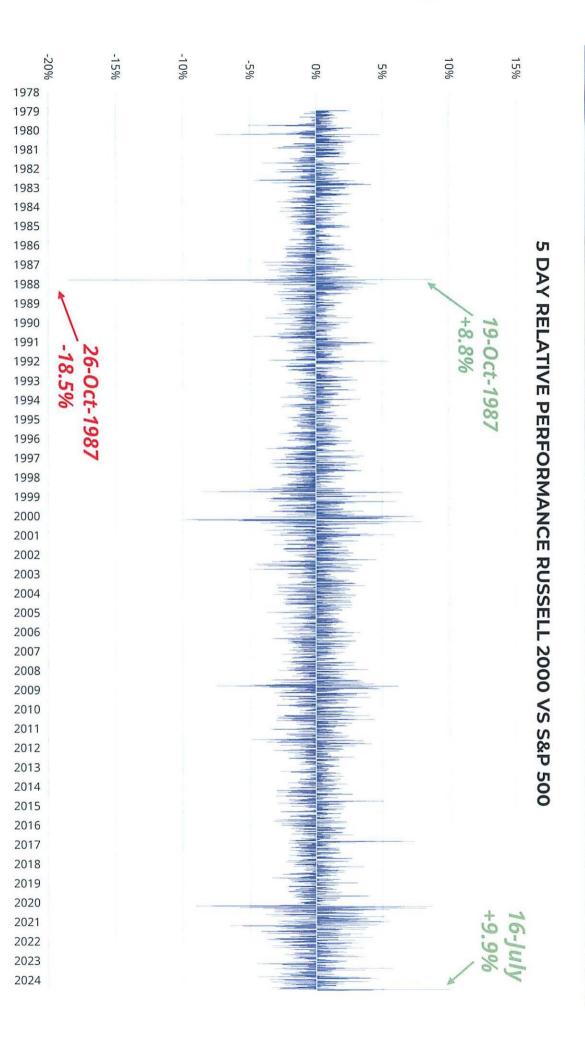


• Q2 performance driven by a handful of macro-independent stocks (e.g., insensitive to inflation and fed rate cuts), while the remaining stocks were generally directionless amidst evolving Fed policy

Source: Clearstead, Bloomberg LP, contribution to total return, as of 6/30/2024 Past performance is not an indicator of future results



# U.S. SMALL CAPS: A HISTORIC 5-DAY WIN STREAK





1100 Superior Avenue East

Suite 700 - Cleveland, Ohio 44114

Source: Clearstead, Bloomberg LP, as of 7/31/2024, Past performance is not an indicator of future returns

### **GLOBAL ECONOMY PMI**

		Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	12M Trend
Clobal	Mfg	48.6	49.0	49.2	48.8	49.3	49.0	50.0	50.3	50.6	50.3	51.0	50.9	
US  Serv  Mfg Serv  Mfg Serv  UK  Mfg Serv  Mfg Serv	Serv	52.6	51.0	50.7	50.4	50.6	51.6	52.3	52.4	52.4	52.7	54.0	53.1	
LIC	Mfg	49.0	47.9	49.8	50.0	49.4	47.9	50.7	52.2	51.9	50.0	51.3	51.6	~~~
US	Mfg Serv	52.3	50.5	50.1	50.6	50.8	51.4	52.5	52.3	51.7	51.3	54.8	55.1	~
Furozono	Mfg	42.7	43.5	43.4	43.1	44.2	44.4	46.6	46.5	46.1	45.7	47.3	45.8	I
Eurozone	Serv	50.9	47.9	48.7	47.8	48.7	48.8	48.4	50.2	51.5	53.3	53.2	52.6	
LIK	Mfg	45.3	43.0	44.3	44.8	47.2	46.2	47.0	47.5	50.3	49.1	51.2	50.9	
UK	Mfg Serv Mfg Serv Mfg Serv Mfg Serv Mfg Serv	51.5	49.5	49.3	49.5	50.9	53.4	54.3	53.8	53.1	55.0	52.9	51.2	
lanan	Mfg	49.6	49.6	48.5	48.7	48.3	47.9	48.0	47.2	48.2	49.6	50.4	50.0	
Japan	Serv	53.8	54.3	53.8	51.6	50.8	51.5	53.1	52.9	54.1	54.3	53.8	49.8	~~
China	Mfg	49.2	51.0	50.6	49.5	50.7	50.8	50.8	50.9	51.1	51.4	51.7	51.8	1~
Cillia	Serv	54.1	51.8	50.2	50.4	51.5	52.9	52.7	52.5	52.7	52.5	54.0	51.2	
India	Mfg	57.7	58.6	57.5	55.5	56.0	54.9	56.5	56.9	59.1	58.8	57.5	58.3	~~~
iiiuia	Serv	62.3	60.1	61.0	58.4	56.9	59.0	61.8	60.6	61.2	60.8	60.2	60.4	~~
S. Korea	Mfg	49.4	48.9	49.9	49.8	50.0	49.9	51.2	50.7	49.8	49.4	51.6	52.0	·~~

- Global manufacturing have stagnated, while services PMI have remained in positive territory
  - o PMIs generally suggest little growth, but are not indicative of a decline
  - o Global manufacturing PMIs are neutral-to-mildly positive in most economies—except in Europe
  - o Global services PMIs are suggesting stable/modest economic growth in most countries
- · India continues to be the one country whose PMIs show universal strength



### **S&P 500 EARNINGS: STRONG OUTLOOK**



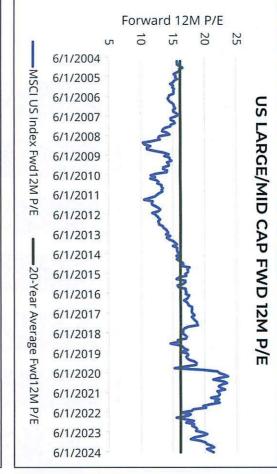
Bottoms up earnings estimates for CY2024 have held in through the first half of the year, reflecting a stable and positive US
macro environment.

Source: Factset, Clearstead, data as of 6/21/2024, Past performance is not an indicator of future results

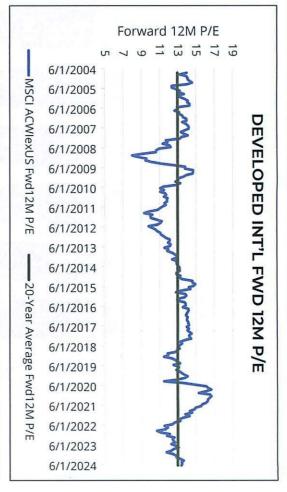


6/1/2024

US SMALL CAP FWD 12M P/E

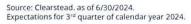






## **ECONOMIC OUTLOOK**

AREA	EXPECTATIONS
Labor Markets	<ul> <li>U.S. adds 150k-200k jobs per month</li> <li>Unemployment rate remains at ~4%</li> <li>Tight labor market may pressure wages</li> <li>Average hourly wages expected to increase 4%</li> </ul>
Manufacturing	<ul> <li>Manufacturing activity stable</li> <li>Input prices lower</li> <li>Select sectors may see moderate growth</li> </ul>
Services	<ul> <li>Services industry remains positive amidst strong consumer spending</li> <li>Tighter credit conditions pose risk to select businesses</li> </ul>
Inflation	<ul> <li>Core CPI looks range-bound between 3.5% to 4.0%</li> <li>Headline CPI likely to remain above 3%</li> <li>Service sector prices remain sticky given elevated wage costs and housing prices</li> </ul>
Equity Markets	<ul> <li>Choppy market returns; Volatility may increase</li> <li>Some technical support at the lower-end</li> <li>Market's assumption for soft landing playing out</li> </ul>
Fixed Income Markets	<ul> <li>10-Yr US Treasury moving higher</li> <li>Uncertainty around Fed policy with one expected rate cut at year-end</li> </ul>





Apr-24 May-24

### **GLOBAL HEADLINE INFLATION**

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	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	F
5	9.1	8.5	8.3	8.2	7.7	7.1	6.5	6.4	6.0	5.0	4.9	4.0	3.0	3.2	3.7	3.7	3.2	3.1	3,4	3.1	3.2	3.5	

	Jun-22	Jui-22	Aug-22	36h-52	UC1-22	1404-22	Dec-22	Jan-23	reu-23	Iviai -23	Apr-23	Way-25	Juli-23	Jui-25	Aug-23	3ep-23	UCL-23	1404-23	Dec-23	Jan-24	160-24	IVIGIT-24	Apr-24	Way-24
Dev. Markets																								
US	9.1	8.5	8.3	8.2	7.7	7.1	6.5	6.4	6.0	5.0	4.9	4.0	3.0	3.2	3.7	3.7	3.2	3.1	3.4	3.1	3.2	3.5	3.4	3.3
EU	8.6	8.9	9.1	10.0	10.7	10.0	9.2	8.5	8.5	6.9	7.0	6.1	5.5	5.3	5.3	4.3	2.9	2.4	2.9	2.8	2.6	2.4	2.4	2.6
Japan	2.4	2.6	3.0	3.0	3.7	3.8	4.0	4.3	3.3	3.2	3.5	3.2	3.3	3.3	3.2	3.0	3.3	2.8	2.6	2.2	2.8	2.7	2.5	2.8
UK	9.4	10.1	9.9	10.1	11.1	10.7	10.5	10.1	10.4	10.1	8.7	8.7	7.9	6.8	6.7	6.7	4.6	3.9	4.0	4.0	3.4	3.2	2.3	2.0
Canada	8.1	7.6	7.0	6.9	6.9	6.8	6.3	5.9	5.2	4.3	4.4	3.4	2.8	3.3	4.0	3.8	3.1	3.1	3.4	2.9	2.8	2.9	2.7	2.9
Australia	6.1	6.1	6.1	7.3	7.3	7.3	7.8	7.8	7.8	7.0	7.0	7.0	6.0	6.0	6.0	5.4	5.4	5.4	4.1	4.1	4.1	3.6	3.6	3.6
Switzerland	3.4	3.4	3.5	3.3	3.0	3.0	2.8	7.2	3.4	2.9	2.6	2.2	1.7	1.6	1.6	1.7	1.7	1.4	1.7	1.3	1.2	1.0	1.4	1.4
Norway	6.3	6.8	6.5	6.9	7.5	6.5	5.9	7.0	6.3	6.5	6.4	6.7	6.4	5.4	4.8	3.3	4.0	4.8	4.8	4.7	4.5	3.9	3.6	3.0
Sweden	8.7	8.5	8.9	10.8	10.9	11.5	12.3	11.7	12.0	10.6	10.5	9.7	9.3	9.3	7.5	6.5	6.5	5.8	4.4	5.4	4.5	4.1	3.9	3.7
Asia											1721				104									
China	2.5	2.7	2.5	2.8	2.1	1.6	1.8	2.1	1.0	0.7	0.1	0.2	0.0	-0.3	0.1	0.0	-0.2	-0.5	-0.3	-0.8	0.7	0.1	0.3	0.3
India	6.2	5.8	5.9	6.5	6.1	5.4	5.8	6.2	6.2	5.8	5.1	4.4	5.6	7.5	6.9	4.7	4.5	5.0	4.9	4.6	4.6	4.2	3.9	3.9
Indonesia	4.4	4.9	4.7	6.0	5.7	5.4	5.5	5.3	5.5	5.0	4,3	4.0	3.5	3.1	3.3	2.3	2.6	2.9	2.8	2.6	2.8	3.1	3.0	2.8
Malaysia	3.4	4.4	4.7	4.5	4.0	4.0	3.8	3.7	3.7	3.4	3.3	2.8	2.4	2.0	2.0	1.9	1.8	1.5	1.5	1.5	1.8	1.8	1.8	2.0
S Koreas	6.0	6.3	5.7	5.6	5.7	5.0	5.0	5.2	4.8	4.2	3.7	3.3	2.7	2.3	3.4	3.7	3.8	3.3	3.2	2.8	3.1	3.1	2.9	2.7
Taiwan	3.6	3.4	2.7	2.8	2.7	2.4	2.7	3.1	2.4	2.4	2.4	2.0	1.8	1.9	2.5	2.9	3.0	2.9	2.7	1.8	3.1	2.2	1.9	2.2
Latin America																								
Brazil	11.9	10.1	8.7	7.2	6.5	5.9	5.8	5.8	5.6	4.7	4.2	3.9	3.2	4.0	4.6	5.2	4.8	4.7	4.6	4.5	4.5	3.9	3.7	3.9
Chile	12.5	13.1	14.1	13.7	12.8	13.3	12.8	12.3	11.9	11.1	9.9	8.7	7.6	6.5	5.3	5.1	5.0	4.8	3.9	3.8	4.5	3.7	4.0	4.1
Colombia	9.7	10.2	10.8	11.4	12.2	12.5	13.1	13.3	13.3	13.3	12.8	12.4	12.1	11.8	11.4	11.0	10.5	10.2	9.3	8.4	7.7	7.4	7.2	7.2
Mexico	8.0	8.2	8.7	8.7	8.4	7.8	7.8	7.9	7.6	6.9	6.3	5.8	5.1	4.8	4.6	4.5	4.3	4.3	4.7	4.9	4.4	4.4	4.7	4.7

Clobal Headline CDL - Vear-over-Vear % Change

Inflation has eased in most countries, but many countries are seeing less progress (inflation stagnation) towards their central bank targets over the last six-months.



Source: Clearstead, Bloomberg.

### HEIGHTENED GEOPOLITICAL TENSION

### **Geopolitical Risk**

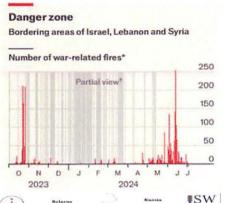
- Gaza war winding down, but Israel is on the precipice of a war with Hezbollah:
  - Kamikaze drones, mass blackouts, and potentially the largest missile barrage in history.
  - Israel is seeking a "security zone" that would, at minimum, a limited invasion of southern Lebanon.
- Ukrainian war largely at a stalemate, but Russia is still mounting targeted offensives.
  - Western aid to Ukraine set to arrive in critical mass throughout July—F16s as well.
  - Exhaustion/lack of reserves are real constraint on the Ukrainian army in H2-2024.
- China amping up the pressure on Taiwan.
  - China has seized several Taiwanese fishing vessels; increasing number of incursions into Taiwanese airspace.
  - Tensions in the Korean Peninsula remain at a multiyear high; N. Korea & Russia have signed a mutual aid agreement/security pact.

### Potential Market Impact

Commodity price volatility—oil, gas, grains, and select metals.

Energy price volatility; increased shipping costs to Europe; delayed/disrupted supply chains.

Increased US-China tension; more negative sentiment on select Chinese assets (equities)







Source: Clearstead, Economist, ISW, 6/30/2024





## **DEFINITIONS & DISCLOSURES**

### **DEFINITIONS & DISCLOSURES**

Information provided is general in nature, is provided for informational purposes only, and should not be construed as investment advice. Any views expressed are based upon the data available at the time the information was produced and are subject to change at any time based on market or other conditions. Clearstead disclaims any liability for any direct or incidental loss incurred by applying any of the information in this presentation. All investment decisions must be evaluated as to whether it is consistent with the entire investment objectives, risk tolerance, and financial situation.

Page performance is no guarantee of future results, limited press, including risk of loss. Diversification does not entire against loss.

All indices are unmanaged and performance of the indices includes remeasurement of dividends and interest income, unless otherwise noted. An investment cannot be made in any index.

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Stock markets respectably foreign markets are subject to interest-rate, currency-exchange-rate, economic, and political risks, all of which are magnified in emerging markets. The securities of smaller, less well-known companies can be more volatile than those of larger companies. Growth stocks can perform differently from the market as a whole and other types of stocks and can be more volatile than other types of stocks and can continue to be undervalued by the market for long periods of time.

The commodified industry can be synthasized, would events, import controls, worldwide competition, government regulations, and economic conditions.

Changes in real estate values or economic conditions can have a positive or negative or engative in the real estate a ledit or in the real estate and the real estate a ledit or in the real estate a ledit or i

### Index Definitions

The SAP 500 Index is a broad-based market index, comprised of 500 large-cap companies, generally considered representative of the stock market as a whole. The SAP 400 Index is an unmanaged index considered representative of mid-sized U.S. companies. The SAP 600 Index is a market value weighted index (shat consists of 600 small-cap U.S. stocks chosen for market size, liquidity and

incustry group representation.

Includes a comparison of the Russell 1000 Index and Russell 1000 Growth Index are indices that measure the performance of single-capitalization stocks and large-capitalization prowth stocks, respectively. The Russell 2000 Index and Russell 200

and Russell 2006 forwith Index in measure the performance of mail capitalization stocks and capitalization growth stocks, respectively. The Russell 2000 forwith index measure the performance of mail to mid-cap growth stocks, respectively, commonly referred to as "smirt" can Ji Fe Russell 2000 forwith index (asses) 20

The Bank of America ML U.S. High Vision to Ever a multi-vision in eyear annivers compared to meet year remaining term to maturity, are fixed coupon schedule and minimum outstanding of \$100 million.

The HRRI Funds of Funds Index, HRRI FOF) is an equal weighted index designed to measure the performance of hedge fund of fund managers. The more than 800 multi-strategy constituents are required to have at least \$50 million in assets under management and a trading track record spanning at least 12 months. The index includes both on and offshore funds and all returns are

reported in SulThe NCREIF Property Index (NPI) represents quarterly time senes composite total rate of return measure of a very large pool of individual commercial real estate properties acquired in the private market. The index represents apartments, hotels, industrial properties, office buildings and retail properties which are at least 60% occupied and owned or controlled, at least in part by tax exempt institutional investors or its designated agent. In addition these properties that are included must be investment grade, non-agricultural and income producing and all development projects are excluded. Constituents included in the NPI be valued at least quarterly, either infernally or externally, using standard commercial real estate appraisal methodology. Each property must be independently appraised a minimum of once every three years.

The FISE ARRIE II all REITs Index o a market captualisation -weighted index that is designed to measure the performance of all tax-qualified Real Estate Investment Trusts (REITs) that are listed on the New York Stock Exchange, or the American Stock Exchange, or the NASDAQ National Market List.

The Dow Jones U.S. Select Real Estate Securities Index is a float adjusted market capitalization-weighted index of publicly traded real estate securities such as real estate investment trusts (RETIS) and real estate operating companies (REO.S).
The Cambridge PE Index is a representation of returns for over 70% of the total gollars raised by U.S. leveraged buyout, subordinated debt and special situation managers from 1986 to December 2007. Returns are calculated based on the pooled time weighted return and are net of all fees. These pooled means represent the end to end rate of return calculated on the aggregate of all cash flows and market values reported by the general partners of the underlying constituents in the quarterly and annual reports.
The University of Michigan Consumer Sentiment Index is a consumer confidence index published monthly by the University of Michigan and Thomson Reuters. The index is normalized to have a value of 100 in December 1964.

The University of Ministry and Chistimer Sentiment in 1988 of a Chistimer Continence interest planstreat. TWI. The CBO (Valinity Index (VIX) is based on the prices of a chistimer in 1987 Sent Southern under put and call options. Gold – represented by the dollar spot price of one troy ounce. WIT Crude – West Texas Intermediate is a greate of rude oil used as a benchmark in oil pricing.

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The Consumer Price Index (CP) is an inflationary indicator that measures the change in the cost of a fixed basket of products and services, including housing, electricity, food, and transportation. The CPI is published monthly. Unless otherwise noted, the CPI figure is as of the date this report is created.

The Cradit States Leveraged to anniform is a ministranary indicator that measures the change in the cost of a fixed basket of products and services, including housing, electricity, food, and transportation. The CPIs published monthly, Unless Otherwise housing, electricity, food, and transportation. The CPIs published monthly, Unless Otherwise housing discharged load market.

The Down Jones-UBS Commodity Index measures the performance of the commodities market. It consists of exchange-traded futures contracts on physical commodities that are weighted to account for the economic significance and market liquidity index measures the performance of state contracts on physical commodities that are weighted to account for the economic significance and market liquidity index measures the performance of state contracts on physical commodities that are weighted index of a proper performance of ministration of proper performance of proper performance of ministration victor opposition of proper performance of proper performance of ministration victor opposition of proper performance of proper performance of proper performance of proper proper performance performance of proper performance performance of proper performance of proper performance performance of proper performance of proper performance performance of proper performance performance of proper performance performance of proper performance per



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The Wilshire 5000 Index represents the proadest index for the U.S. equity market, measuring the performance of all U.S. equity securities with readily available price data. The Wilshire 4500 Index is comprised of all stocks in the Wilshire 8000 Index comprised of all stocks in the Wilshire 8000 Index (RESI) is comprised of publically traded real estate equity securities.

The Wilshire 500 Index represents the transacts make for the U.S. equaly yearset, messally available price data. The Wilshire 600 minus the totals developed manage contributed for placing transport of all stocks in the Wilshire 600 minus the total dividend and manage of the transport of the total dividend amount distributed to persons residing in the country of the dividend paying company conspired of an extra fill of the total dividend amount distributed to persons residing in the country of the dividend paying company company conspired on measure global developed manage every performance. The MSC World Gross Index is designed to measure global emerging market equity performance, extra fill of the state of the country of the dividend paying company company conspired of the country of the dividend paying company company conspired of the country of the dividend paying company conspired of the country of the dividend paying company conspired of the country of the count

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The Cambridge U.S. Private Equity Index is a representation of returns for over 70% of the total dollars raised by U.S. leveraged buyout, subordinated debt and special situation managers from 1986 to December 2007. Returns are calculated based on the pooled time weighted return and are net of all fees. These pooled means represent the end to end rate of return calculated on the aggregate of all cash flows and market values reported by the general partners of the underlying constituents in the quarterly and annual reports. Please Note: the performance of this index lags by 1 quarter.

The Bank of America (BofA) Merrill Lynch (ML) 91-day 7-bill Index includes U.S. Treasury bills with new transfer of the performance of the perform

The Citi Select MLP Index is a USD denominated, price return index, comprised of the common units of up to 30 of the most liquid master limited partner ships in the Energy Sector. The Citigroup World Government Bond Index (WGBI) 1-5 Year Hedged USD Index is a comprehensive measure of the total return performance of the government bond markets of approximately 22 countries with maturaties ranging from one to five years. The Citigroup WGBI index is a market capitalization weighted bond index consisting of the government bond markets of the multiple countries. The Citigroup WGBI ex US Index is a market capitalization weighted bond index consisting of the government bond markets of the multiple countries. The Citigroup WGBI ex US Index is a market capitalization weighted bond index consisting of the government bond markets of the multiple countries. Month U.S. Treasury Bill Index performance is an average of the last 3-Month Treasury Bill issues.

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The JP Morgan Emerging Markets Bond Index Plus (EMBI+) Index tracks total returns for traded external debt instruments (external meaning foreign currency denominated fixed income) in the emerging markets. The JPMorgan GBI Global ex-US Index represents the total return performance of major non-U.S. bond markets.

The HF8L Funds of Funds index (HFRL FOF) is an equal weighted index designed to measure the performance of hedge fund of fund managers. The more than 800 multi-strategy constituents are required to have at least \$50 million in assets under management and a trading track record spanning at least 12 months. The index includes both on and offshore funds and all returns are reported in USD. HFR Relative Value Index tracks investment managers who maintain positions in which the investment theses, and security types range broadly across equity, fixed income, derivative or other security types. Fixed income strategies are typically quantitatively driven to measure the existing relationship between instruments and, in some cases, identify attractive positions in which the risk adjusted spread between these instruments represents an attractive opportunity for the investment missages. RN position may be involved in corporate transactions also, but as opposed to EU exposures, the relation of the investment missage is predicted on relation of the corporate transaction. HRI EU entire the composition of the corporate transaction in the corporate transaction. HRI EU entire the corporate transaction is predicted in dex representing funds or funds that invest with multiple managers focused on consistent performance and lower violatility via absolute strategies. HRI EU entire the corporate transaction. HRI EU entire the corporate transaction is equity and equity related instruments of companies which are currently engaged in a corporate transaction.

The FTSE All-World ex US index comprises large and midday stocks providing coverage of developed and emerging markets, excluding the US. The FTSE NARRIT Developed index is a global market capitalization weighted index composed of listed real estate securities from developed market countries in North America, Europe, and Asia. The FTSE NARRIT Developed ex U.S. Index is a market capitalization weighted index composed of listed real estate securities from developed market countries. In North America, Europe, and Asia, Europe, and Europe,

The Consumer Price Index (CPI) is an inflationary indicator that measures the change in the cost of a fixed basket of products and services; including housing, electricity, food, and transportation. The CPI is published monthly. Please Note: the performance of this index lags by I month.

The Credit Suisse Leveraged Loan Index is a market value-weighted index designed to represent the investable universe of the U.S. dollar-denominated leveraged loan market. The Dow Jones (DJ) US Commedity Index measures the performance of the commodities market. E consists of exchange-traded futures contracts on physical commodities that are weighted to account on the commodities market. E consists of exchange-traded futures contracts on physical commodities that are weighted to account on the commodities market. E consists of exchange-traded futures contracts on physical commodities that are weighted to account on the commodities of the Commoditi

The Dow Jones Target Date (Today, 2010, 2015, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2059, 2035, 2040, 2045, 2059, 2055) Indices were created to benchmark portfolios of stocks, bonds and cash. Each index is made up of composite indices representing these three asset classes. The asset classes indices are weighted differently within each target date index depending on the time horizon. Each month, the s among the asset class indices are rebalanced to reflect an increasingly conservative asset

The Morningstar Lifetime Allocation Index series consists of 13 indexes (Income, 2000, 2005, 2010, 2015, 2020, 2025, 2030, 2035, 2040, 2045, 2050, 2055) available in three risk profiles: aggressive, moderate, and conservative. The indexes are built on asset allocation methodologies developed by (boboson Associates, a leader in asset allocation freedom and Morningstar company since 2006. The Indexes provide pure asset class exposure to egiptable equities, global fixed-income, commodates, and Treasury Inflation-Protected Securities (TPS) by using existing Morningstar Indexes as allocation building blocks. On the portfolio allocations are held in protectors yet or protectors appropriate to the U.S. investors who are completable with every exposure to equity market volatility, respectively.

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Evaluation of investment managers covers both quantitative and qualitative aspects. In addition to the investment performance evaluation, we monitor ownership structure, track key employee information, and hold regular meetings with each investment management organization employed by our clients

The data presented in this report have been calculated on a time-weighted rate of return basis. All returns are net of investment advisory fees, but gross of Clearstead advisory fees and custodian fees, unless otherwise labeled. The deduction of Clearstead advisory fees and custodian fees would have the effect of decreasing the indicated investment approximate. The performance data shown represent past performance. Past performance is not indicative of future results. Current performance data may be lower or higher than the performance data presented.

Returns for periods longer than one year are annualized. Each number is independently rounded.

A current copy of Hartland & Co.'s ADV-Part 2 is available to all clients upon request.

