

San Jose Police and Fire Department Retirement Plan

Private Markets Program Update

January 22, 2025

Private Markets Asset Classes

Buyout Venture Debt Real Estate Real Assets

Large Buyout

• Small-/Mid-Buyout

• Special Situations

Other

Equity investments in growing, established, and mature companies, with enterprise values generally ranging from \$20mm to \$20bn.

Early Stage

Mid Stage

Late Stage

Diversified

Primarily equity investments in start-ups and high growth companies.

Par Credit

Securitized

Stress/Distress

Other

Debt investments include credit expected to pay back original principal and interest (par credit), loans and bonds that have been packaged into special purpose vehicles (securitized), securities where the obligor is in a stressed or distressed financial situation (stress/distress), and unique strategies that have some or all the characteristics of debt investments.

· Value-Added

• Opportunistic

• Real Estate Debt

• Other

Equity and debt investments in operating companies and physical properties where the economic value is derived primarily through real estate-related activities. Value-added and opportunistic are distinguished by the level of risk associated with an investment.

Infrastructure

Energy

Natural Resources

Other

Investments in operating companies and physical assets where the economic value is derived primarily from the development, production, transport, or processing of natural resources, and the facilities supporting their downstream progress.

Objectives

Economic objectives leading to inclusion of private markets within the asset allocation

The purpose of Private Markets is to get exposure to investment strategies that are not available in public markets, thereby capturing an illiquidity premium. The factor exposures will be comparable to those of public markets – primarily growth, supplemented by credit and inflation. The sub-asset classes are Buyout, Venture Capital, Private Debt, Growth Real Estate, and Private Real Assets.

Quantified "absolute" objectives as a result of the asset allocation

- Be near target Net Asset Value for Private Markets and individual private asset classes.
- Achieve performance consistent with asset allocation assumptions:

Measurement Group	Net Return	Time Horizon and Methodology
Private Markets Program	10%	20Y, Meketa geometric expected return
Buyout	11%	
Venture	12%	
Debt	9%	
Real Estate	10%	
Real Assets	9%	

Quantified "relative" objectives as a result of asset class characteristics

- Achieve performance that justifies use of private markets versus public markets.
- Achieve performance that demonstrates a level of staff skill.

Measurement Group	Net Return	Time Horizon and Methodology
Private Markets Program	Global Equity + 100 bps	20Y, Meketa geometric expected return
Individual investments	1 st & 2 nd Quartile	Investments' peer groups, by vintage year

Key Elements of Private Markets Strategy

1. Ensure beta exposure above all else.

Failure to execute the pacing plan guarantees not meeting objectives envisioned within the asset allocation.

Implication is that consistent commitments and vintage diversification matter more than anything else, including manager selection.

2. Alpha is an outcome of process.

Sources of alpha can be picking: better sub-sectors (beta timing), managers who are better at choosing the right investments (security selection), manager who operate more effectively (value creation), capital structure optimization (risk decomposition).

Consistently harvesting alpha from those sources requires a competitive advantage relative to all sources of private capital, which must be deliberately developed and maintained.

3. Alignment of interests can overwhelm most other investment factors.

Long-term illiquid commitments require careful due diligence and selection of partners.

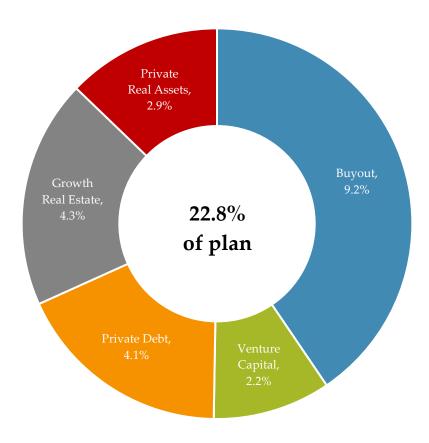
Agency conflicts increase with (a) distance from the asset and (b) dispersion of ownership.

Fees are the result of a buy-versus-build decision and market forces.

Private Markets Allocation Snapshot

	% of Plan	Target	Difference
Buyout	9.2%	10%	-0.8%
Venture Capital	2.2%	4.5%	-2.3%
Private Debt	4.1%	5%	-0.9%
Growth Real Estate	4.3%	4%	0.3%
Private Real Assets	2.9%	4%	-1.1%
Total Private Markets	22.8%	27.5%	-4.7 %

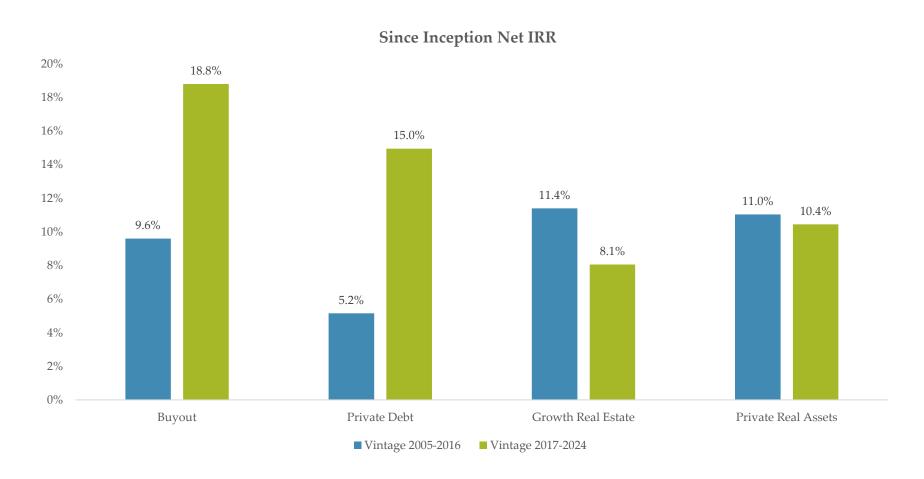
Pro Forma as of December 31, 2024



Post-2017 Commitments Generally Outperforming

Commitments in vintage years 2017-2024 are outperforming legacy commitments in vintage years 2005-2016 for Buyout and Private Debt.

A formal private markets investment strategy, team, and enhanced resources were put in place in 2017.



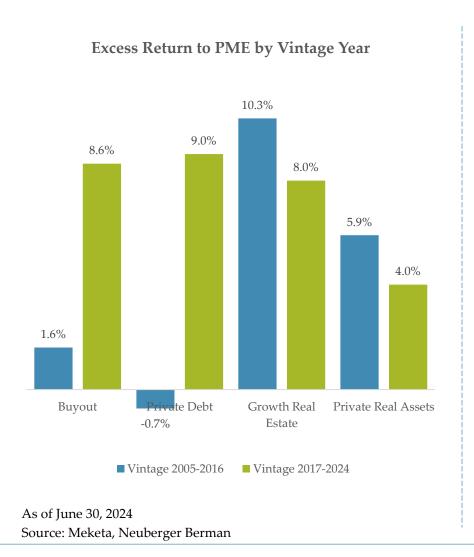
As of June 30, 2024

Source: Meketa, Neuberger Berman

Private Returns Relative to Public Markets

Commitments in vintage years 2017-2024 are outperforming legacy commitments in vintage years 2005-2016 except for Growth Real Estate and Private Real Assets.

The Private Markets portfolio is also exceeding the return of the MSCI ACWI IMI + 100 bps by 10 bps per year since July 2017.



Time-Weighted Net Returns 12.1% 11.5% 10.7% 10.6% Since Jul 2017 5-years ■ Private Markets ex Proxy ■ MSCI ACWI IMI + 100 bps

Source: Meketa, BNY Mellon

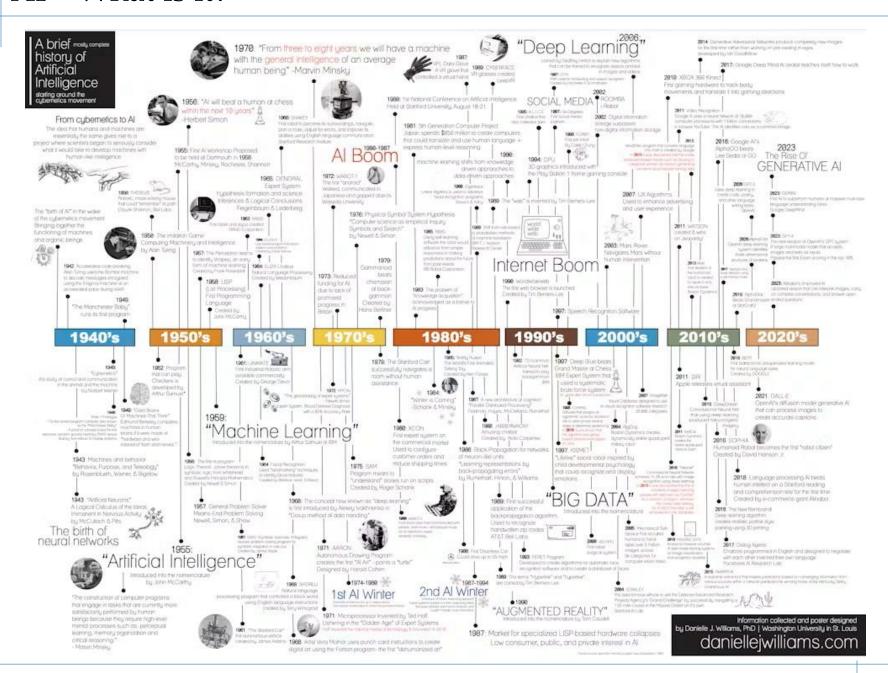
Pacing Plan Execution

92% of FY 2024-25 pacing plan committed (including closed and pending closes).

	Style	Date	Executed (\$mm)		nrget mm)	% of Target
Buyout			150	/	150	100%
PE Strategic Partnership SJPF	Fund-of-one	7/1/2024	150			
Venture Capital			28	/	35	80%
Tiger Iron SJPF	Fund-of-one	7/1/2024	10			
Friends & Family Capital III	Mid Stage	12/30/2024	3			
Lerer Hippeau IX	Early Stage	12/31/2024	5			
Expected to close soon	Early Stage	TBD	5			
Expected to close soon	Early Stage	TBD	5			
Private Debt			112	/	80	140%
Silver Point Specialty Credit Fund III	Par Credit	11/15/2024	28			
Arbour Lane Credit Opportunity Fund IV	Stress	12/9/2024	28			
Strategic Value Special Situations Fund VI	Stress	12/19/2024	28			
Expected to close soon	Stress	TBD	28			
Growth Real Estate			24	/	70	34%
IPI Partners Fund III	Value Added	12/11/2024	24			
Private Real Assets			48	/	60	80%
Primary Wave Music IP Fund 4	Infra	9/27/2024	18			
Pelican Energy Partners Base Zero	Energy	10/25/2024	18			
Lime Rock New Energy II	Infra	12/3/2024	12			
Total Private Markets			362	1	395	92%

ΑI

AI – What is it?



AI – What is it and why should we care?

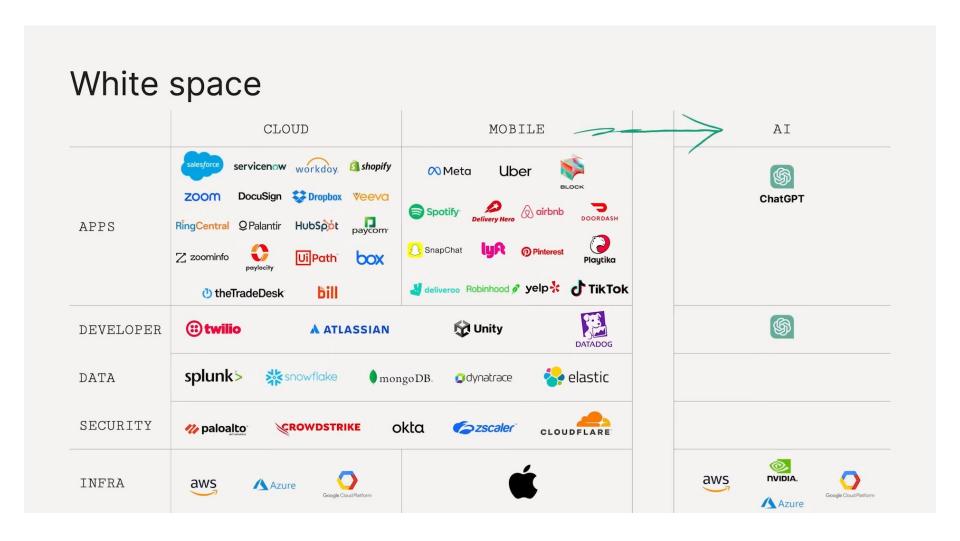
- AI is a concept that has been around since the 1940s
 - Any technology that allows a machine to simulate human cognition
- Sum of technological improvements and advancements in AI has created this immense investment opportunity today
 - Cheap and powerful compute
 - Efficient networks
 - Accessibility through mobile
 - Proliferation of data online
- Software is able to do things that was not possible before
 - *Create content (multimodal....text, video, music)*
 - Reason
 - Interact in a human capacity
- Allows software to address markets that were previously inaccessible

Enterprise AI Opportunity



Source: Gartner Market Databook 3Q24

AI – What does this opportunity look like?

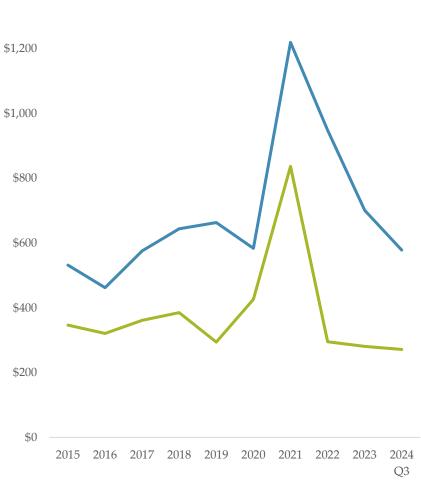


Buyout

Deal activity remains slow

U.S. Private Equity Deal Activity (\$ billions)

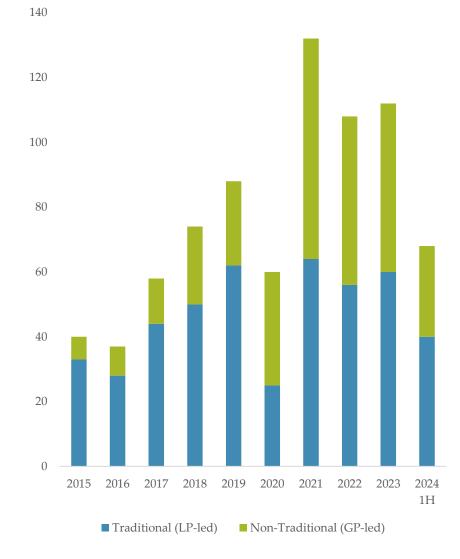
\$1,400



—Deal value —Exit value

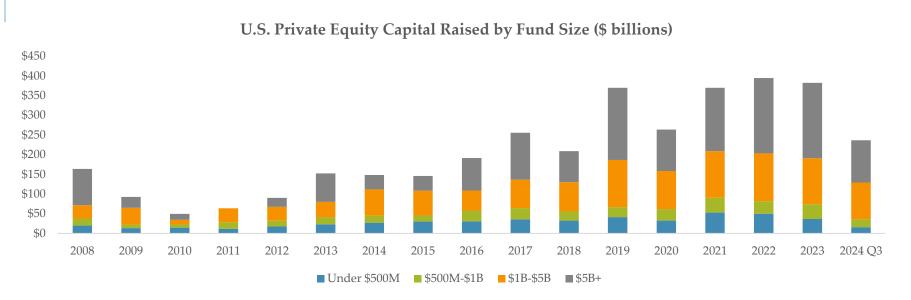
Source: Pitchbook, as of September 30, 2024

Secondary Transaction Volume (\$ billions)

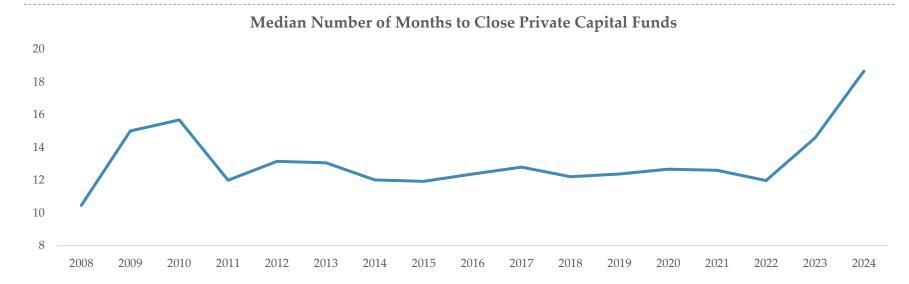


Source: Jefferies Global Secondary Market Review, as of June 30, 2024

Larger funds raising more capital and fundraising taking longer



Source: Pitchbook, as of September 30, 2024



Source: Pitchbook, as of September 30, 2024

Private valuations lagging public markets





Source: Bloomberg (MSCI ACWI IMI Index), Neuberger Berman (Buyout Funds), as of September 30, 2024

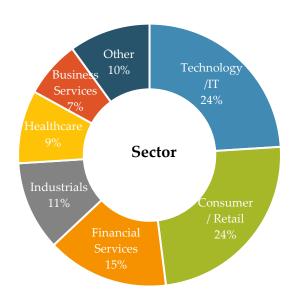
EV / EBITDA Multiple

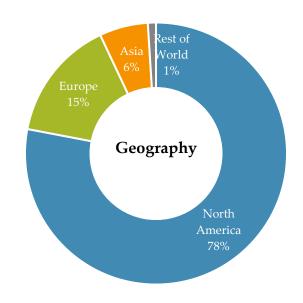


Source: Pitchbook LCD and S&P Capital IQ, as of September 30, 2024

Buyout Portfolio Update







Source: Neuberger Berman

As of June 30, 2024, values based on NAVs Only includes PE Strategic Partnership

Buyout Portfolio Update

Primary Fund Commitments	Status	Region	Strategy Type	\$ mm
Redacted Fund A	Committed	North America	Small/Mid-Cap Buyout	14.6
Redacted Fund B	Committed	Europe	Small/Mid-Cap Buyout	21.4
Redacted Fund C	Committed	North America	Small/Mid-Cap Buyout	24.9
Redacted Fund D	Model	North America	Small/Mid-Cap Buyout	24.9
Total – Primary Fund Commitments				85.7

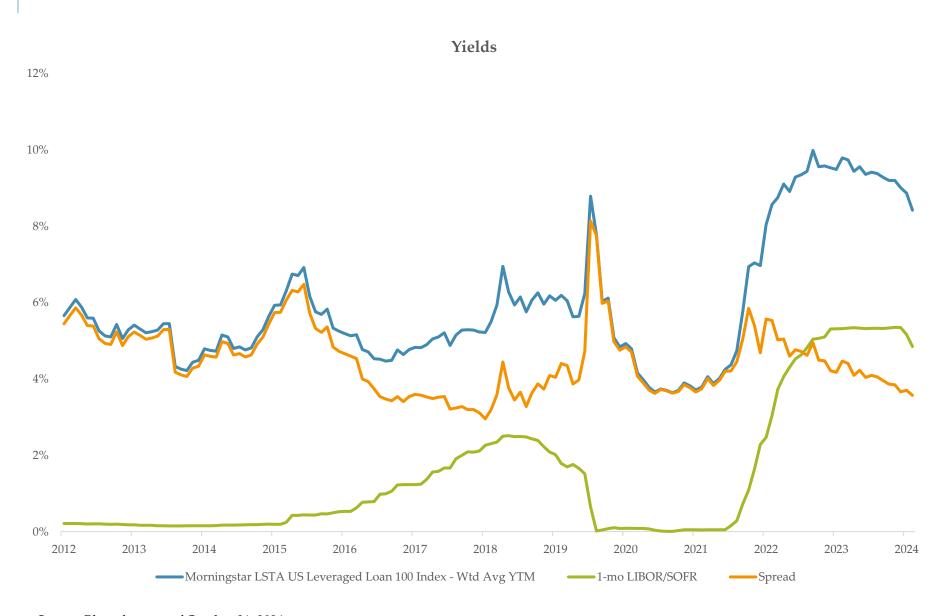
Co-Investments / Secondaries	Status	Region	Strategy Type	\$ mm	
Redacted Co-Investment A	Committed	North America	Small/Mid-Cap Buyout	2.3	
Redacted Co-Investment B	Committed	Asia	Small/Mid-Cap Buyout	5.1	
Redacted Co-Investment C	Committed	Europe	Small/Mid-Cap Buyout	5.9	
Redacted Co-Investment D	Committed	North America	Small/Mid-Cap Buyout	3.3	
Redacted Co-Investment E	Committed	North America	Large-Cap Buyout	4.3	
Redacted Co-Investment F	Committed	North America	Small/Mid-Cap Buyout	1.5	
Redacted Secondary G	Committed	North America	Small/Mid-Cap Buyout	6.8	
Unallocated Co-Investments / Secondaries	Model	n/a	n/a	42.9	
Total – Co-Investments / Secondaries				72.1	

Total	157.8
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Source: Neuberger Berman, as of November 30, 2024

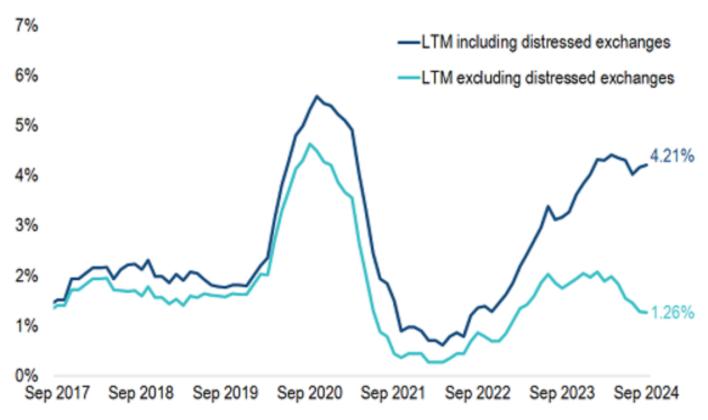
Private Debt

Yields remain elevated despite credit spreads tightening



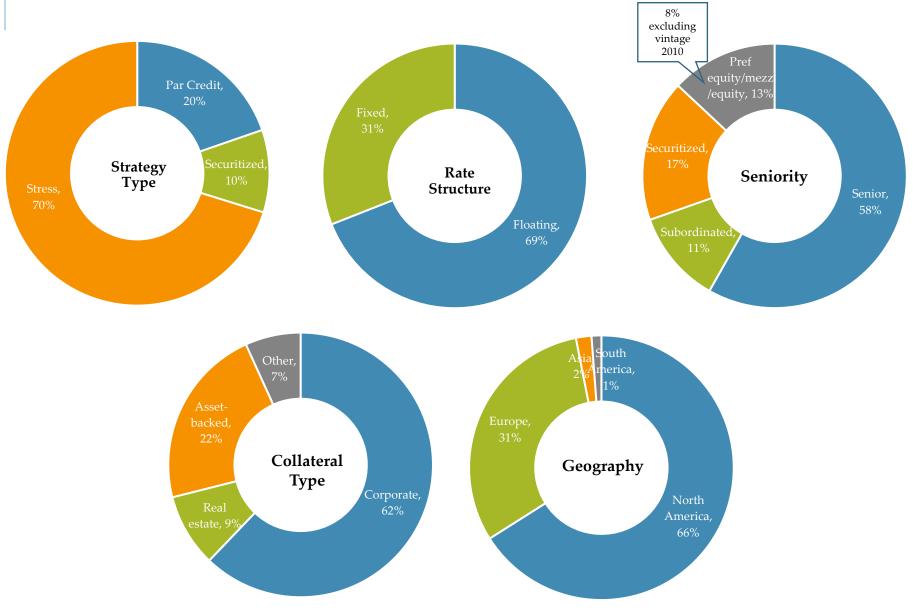
Defaults down, but distressed exchanges rise

Dual-track US loan default rate: issuer count



Sources: PitchBook | LCD; Morningstar LSTA US Leveraged Loan Index • Data through Sept. 30, 2024

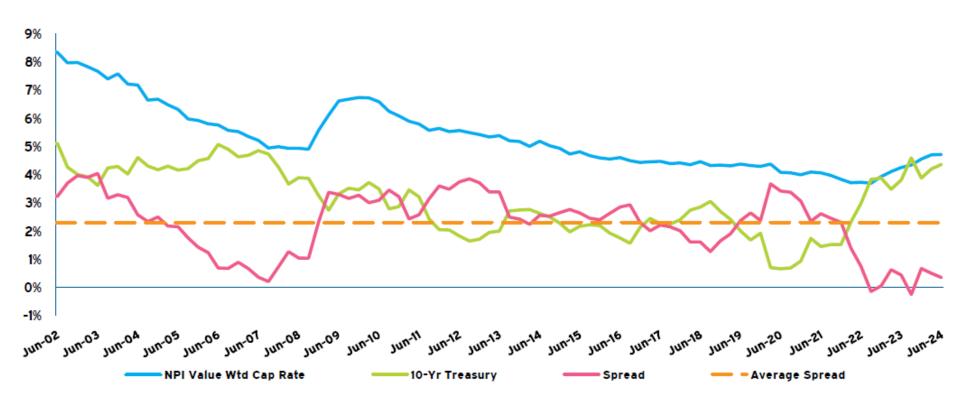
Private Debt Portfolio Update



Source: San Jose Staff, as of June 30, 2024 Values based on NAVs plus unfunded commitments

Growth Real Estate

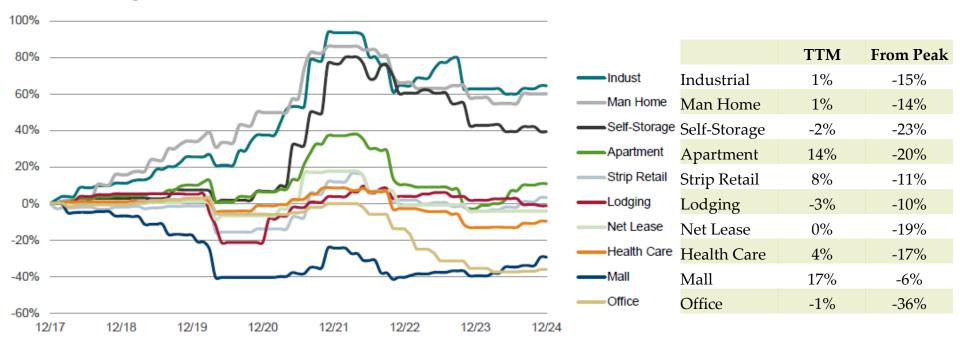
Cap rate spread to 10-Year Treasury remains flat



Valuations rising for transactions going into contract

Green Street's Commercial Property Price Index® is a time series of unleveraged U.S. commercial property values that captures the prices at which commercial real estate transactions are currently being negotiated and contracted.

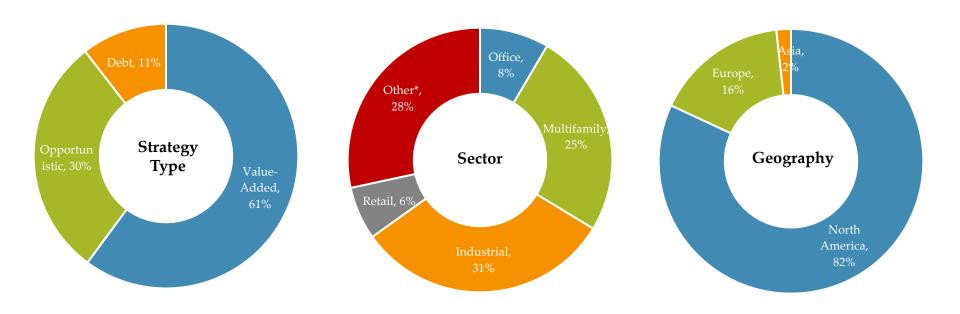
Cumulative Change in CPPI®: Past Seven Years



Source: Green Street Commercial Property Price Index®, as of January 7, 2025

TTM: Trailing twelve months

Growth Real Estate Portfolio Update



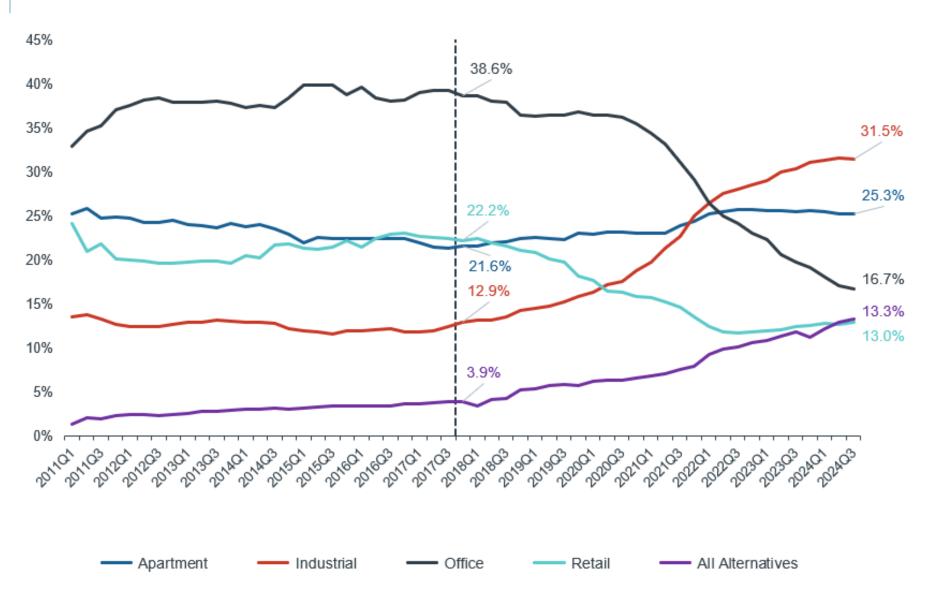
Source: San Jose Staff, as of June 30, 2024

Values based on NAVs plus unfunded commitments

^{*} Other Sector category includes 11% hospitality, 8% data centers, 5% self-storage, 2% each in single-family rentals, lab office, student housing

Core Real Estate

NCREIF ODCE Index Sector Allocations Shifting



Source: NCREIF, Clarion Partners Investment Research

Core Real Estate Portfolio Update

- The Pension and Health Care Trust closed their second secondary purchase of LP interests in TA Realty Core Property Fund on October 31, 2024 for \$9.5 million and \$1.9 million, respectively.
- The Pension and Health Care Trust committed \$49 million and \$9 million, respectively, to Kayne Anderson Core Real Estate on December 20, 2024.
- The Pension and Health Care Trust closed a secondary sale of all exposure in Clarion Lion Industrial Trust on January 6, 2025 for proceeds (excluding income) of \$17.9 million and \$2.4 million, respectively.

Core Real Estate Allocation	% of Plan	Target	Difference
Police & Fire Pension	4.7%	5%	-0.3%
Police & Fire Health Care Trust	10.8%	12%	-1.2%

Over \$21 million of alpha over 6 years

Core Real Estate Alpha (\$ millions)

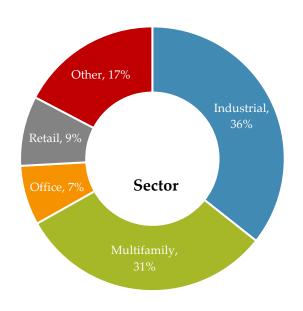
	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	6-years
Police & Fire Pension	\$2.2	\$3.8	\$2.3	\$2.3	\$9.9	\$0.1	\$20.7
Police & Fire Health Care Trust	n/a	n/a	n/a	n/a	n/a	n/a	\$1.1

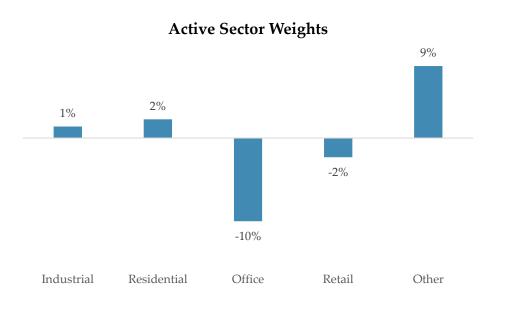
The Core Real Estate asset class manager lineup was restructured in 2019 and has generated meaningful alpha over the asset class benchmark (NCREIF ODCE Index).

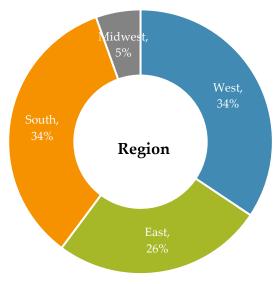
Source: Meketa, BNY Mellon

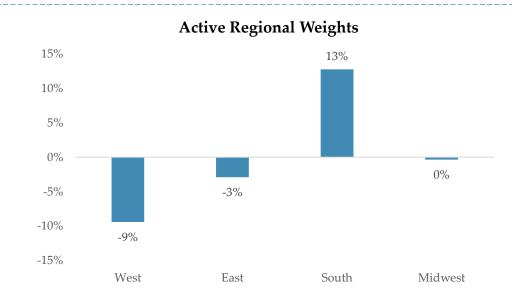
% of Plan is Pro Forma as of December 31, 2024

Core Real Estate Portfolio Update





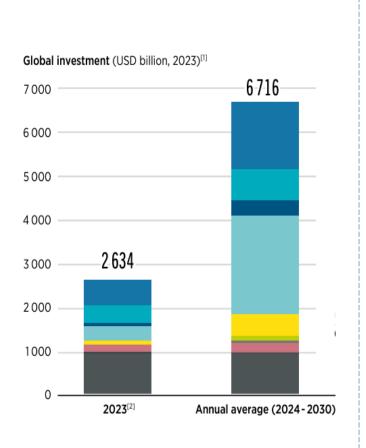


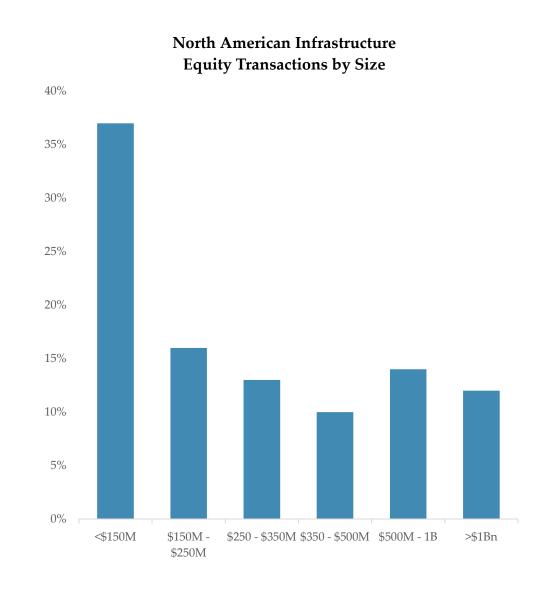


Pro Forma as of January 2025

Private Real Assets

More Real Assets Spending Needed

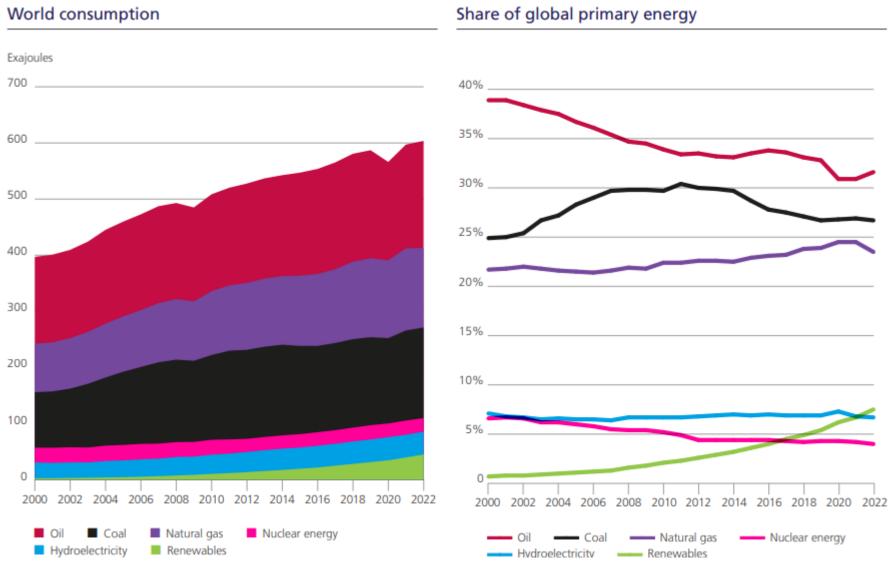




Source: Inframation, Ridgewood Infrastructure

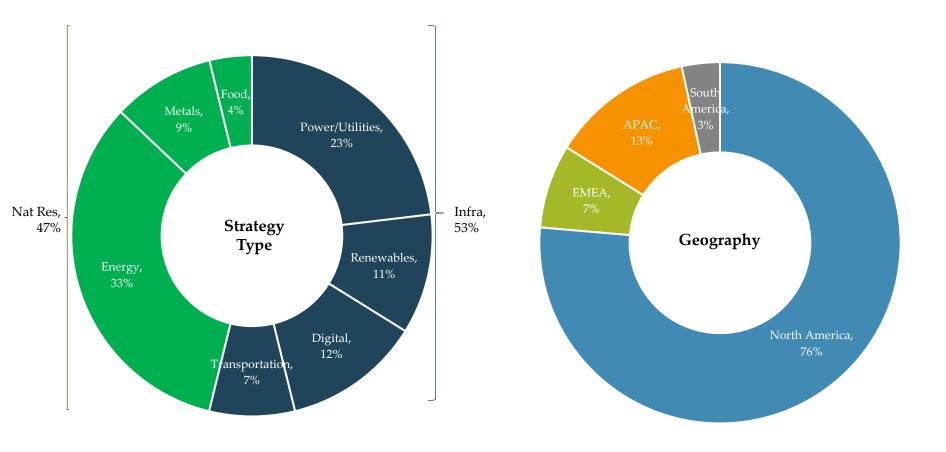
Source: IRENA World Energy Transitions Outlook

Hydrocarbons still account for over 80% of world energy consumption



Source: Energy Institute Statistical Review of World Energy, June 2023

Private Real Assets Portfolio Update

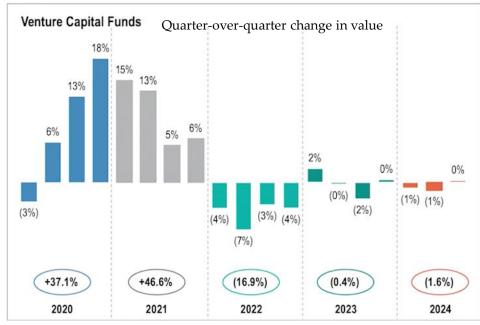


Source: San Jose Staff, as of June 30, 2024 $\,$

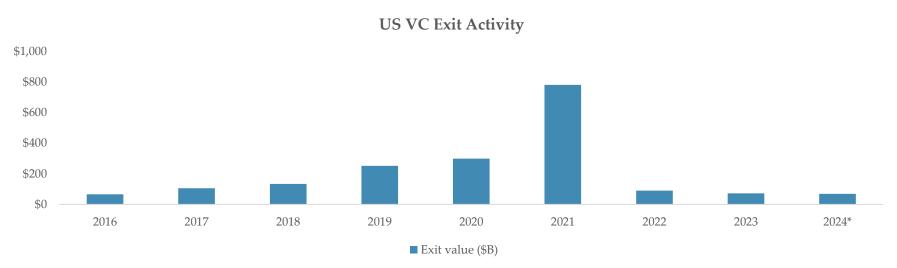
Values based on NAVs plus unfunded commitments

Venture Capital

Challenging period for VC – Poor returns coupled with a challenging exit environment

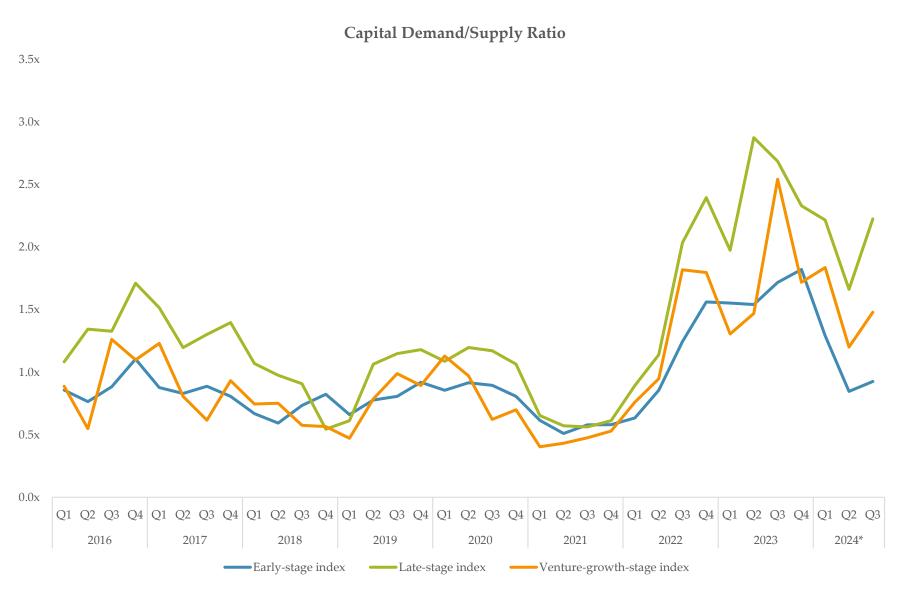


Source: Neuberger Berman Q3 2024 Valuation Summary

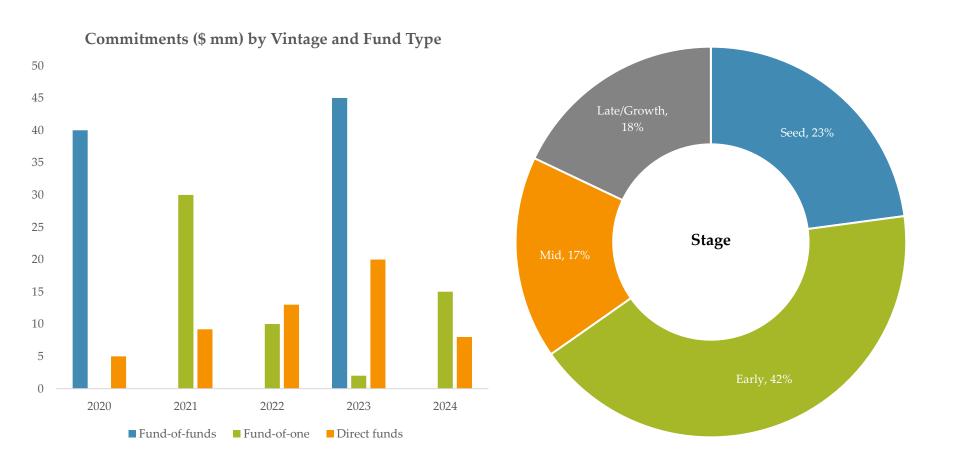


Source: Pitchbook, as of September 30, 2024

AI Optimism Driving Early Stage Investment Interest



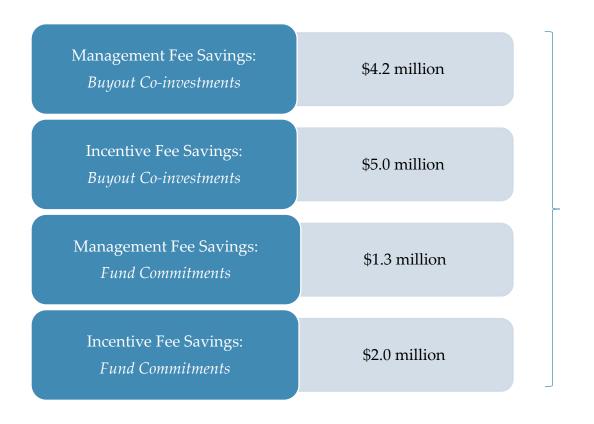
Venture Capital Portfolio Update



Source: San Jose Staff, as of June 30, 2024 Values based on committed capital

\$13.6mm estimated fee savings for CY 2023 investments

Estimated fee savings from commitments made in calendar year 2023 over the projected life of the investments for both San Jose Police and Fire and Federated plans:



\$13.6 million estimated fee savings

- Fund Commitments fee savings from Staff negotiations, early closing discounts, and volume discounts.
- Additional fee savings not modeled: fee structures of fund-of-ones compared to fund-of-funds alternative, upside performance of investments with incentive fee discounts, commitments to funds with standard fees below asset class averages, and fee savings from investments made prior to January 2023.