

## NCREIF/CREFC Open-end Debt Fund Aggregate

Presented to Homer Hoyt Institute May 16, 2024



# Why create an "index" for private commercial real estate debt funds investing in real estate?

- \$6.5 U.S. Institutional investment in commercial real estate
- Private real estate debt accounts for 49% of institutional capital invested in U.S. real estate.
  - 22% public debt, 16% private equity & 13% public equity
- <u>There is no private debt fund level index to benchmark</u> <u>performance.</u>
- Managers, investors, consultants, etc. need and want a fund level private debt index.

Source: Pension Real Estate Association (PREA) 2021



# Benefits of a debt fund "aggregate"

- "Aggregate" of open-end debt funds with various styles ranging from Core to Value-add
- Will enhance investors' interest & understanding of the rewards and risk of private real estate debt funds.
- Increase availability and transparency of data to support existing debt investments and to evaluate debt fund performance.
- Potentially increase capital allocations to debt fund products.
- "Aggregate" is the first step in the process of creating a style/strategy- based index or benchmark, like NFI-ODCE.

# Benefits of a future fund level index

- Debt equivalent of NFI-ODCE
- Representative of an investable universe
- Actual limited partner returns experienced for certain strategies / styles of investing, therefore a good benchmark
- Includes the effects of leveraging investments
- Include fees and costs associated with investing
- Attribution of fund returns once loan level data is collected
- Loan level data can also be presented for the types of investments being made by funds during various market cycles



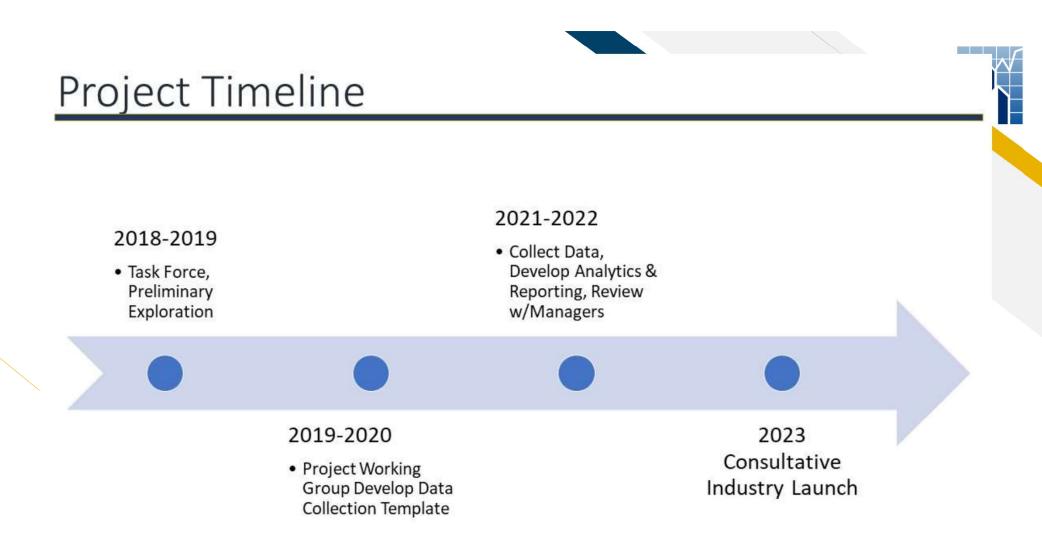
# The open-end debt funds aggregate...

- Is a work in progress.
- Contains open-end funds with various strategies and styles ranging from core to value-add.
- Is NOT an INDEX or a BENCHMARK, yet.
- Metrics are equal-weighted (for now).
- Individual fund metrics will NEVER be revealed.
- Is a project by the industry for the industry.
- Furthers NCREIF's and CREFC's mission.

# **NCREIF and CREFC**



- NCREIF is a member-driven, not-for-profit association that improves private real estate investment industry knowledge by providing transparent and consistent data, performance measurement, analytics, standards and education.
- CREFC is the trade association for the commercial real estate finance industry. CREFC promotes liquidity, transparency, and efficiency in the commercial real estate finance markets. It does this by acting as a legislative and regulatory advocate for the industry, playing a vital role in setting market standards and best practices, and providing education for market participants. Member firms include balance sheet and securitized lenders, loan and bond investors, private equity firms, servicers, and rating agencies, among others.
- NCREIF/PREA Reporting Standards. Debt Fund Reporting Manual is in progress.



Next Steps: Definitions of Styles, Loan Level Data Collection, Closed-end/SA collection



# Project Working Group

- Clarion Partners, Nuveen, Principal, UBS
- CREFC, NCREIF

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- ARES Management
- Trawler Capital Management
- Walton Street Capital

#### 2018 Task Force

AON, Clarion Partners, CBRE Global Investors, CREFC, Heitman, INVESCO, Mesa West, Met Life, NCREIF, PGIM, Principal, Quadrant RE Advisors, TH Real Estate, UBS, Voya

### **Participating funds**

Manager Name	Fund Name		
Ares Management	Ares Open-end Debt		
Ares Management	Fund - Levered		
Ares Management	Ares Open-end Debt		
Ares Management	Fund - Unlevered		
Barings LLC	Barings Real Estate Debt		
Barings LLC	Income Fund, LP		
CIM Group	CMMT Partners, L.P.		
CrossHarbor Capital	Strategic Debt Income		
Partners	Fund		
	Heitman Core Real		
Heitman	Estate Debt Income		
	Trust, L.P.		
	Invesco Commercial		
Invesco Real Estate	Mortgage Income - U.S.		
	Fund, L.P.		
MetLife Investment	MetLife Commercial		
Management	Mortgage Income Fund		

Manager Name	Fund Name
Nuveen Real Estate and	Core-Plus Real Estate
PCCP, LLC	Debt Fund LP
PGIM Real Estate	PGIM Real Estate U.S. Core Debt Fund
PGIM Real Estate	PGIM Real Estate U.S. Debt Fund, L.P.
Sound Mark Partners	Sound Mark Horizons Fund, LP
Third Point Private CRE Credit LLC	Third Point Private CRE Credit Fund LP
UBS Realty	Trumbull Property Income Fund
Voya Alternative Asset Management LLC	Voya Commercial Mortgage Lending Fund L.P.
Walton Street Capital	Walton Street Real Estate Debt Core Fund, L.P.

### **Quarterly reports – three versions**

### Data Contributor Report

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### Membership Report

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### Public Snapshot

#### NCREIF / CREFC Open-end Debt Fund Aggregate

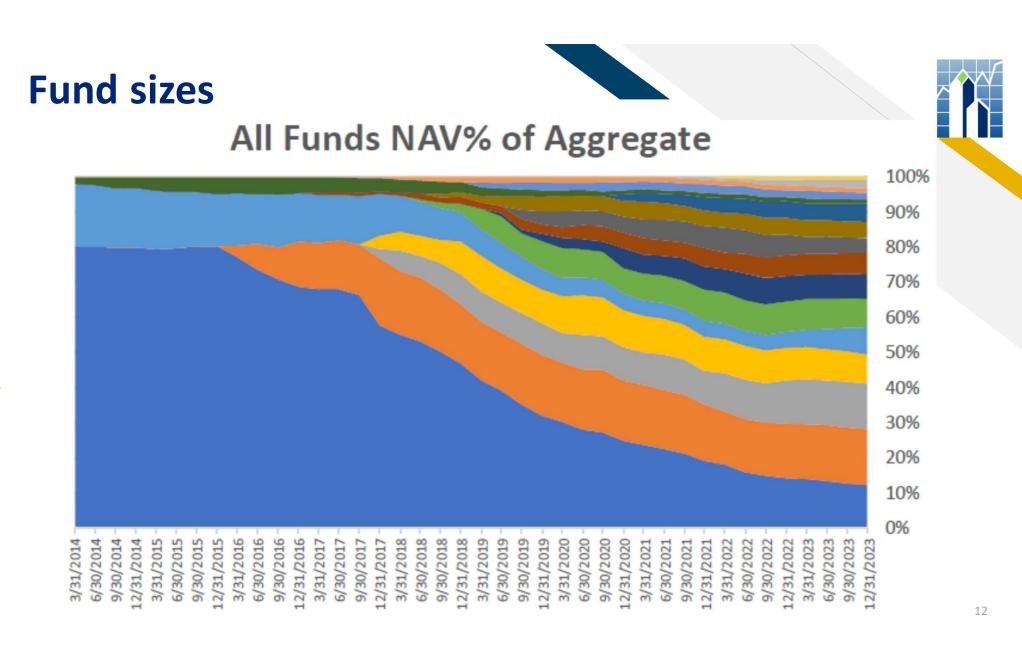
as of December 31, 2023

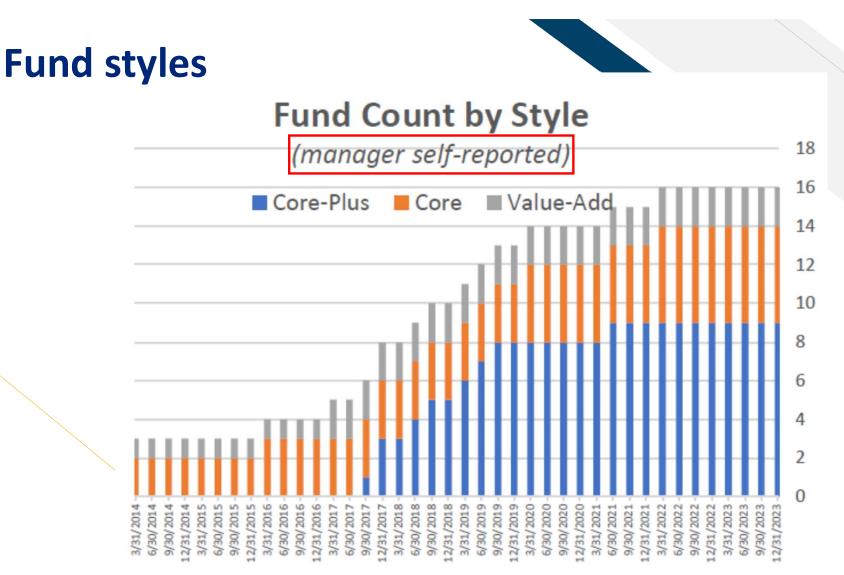
(\$millions)	Current Quarter	1 Year Trailing
Total Gross of Fee Return	0.27%	3.2%
Loan Investments at Fair Value	\$36,877	
Number of Loans	644	
Number of Active Funds	16	

### **Balance sheet**

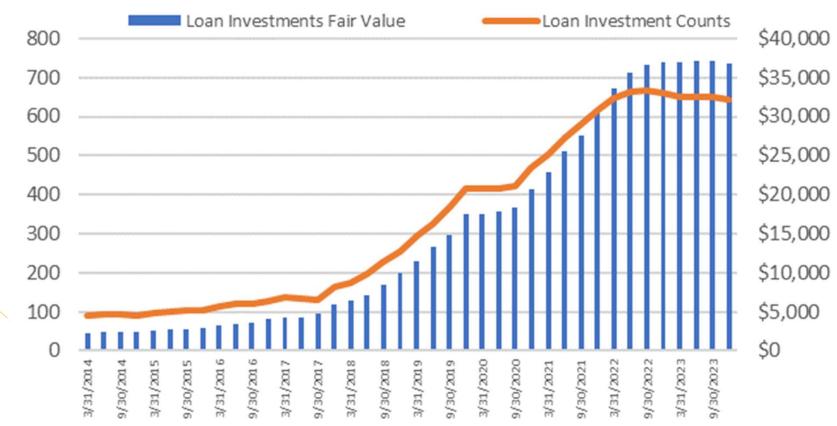


BALANCES (\$millions at fair value)	as of Quarter-end	
Cash	\$854	
Loan Investments	\$36,877	PBO is \$37.5
Total Assets	\$38,751	
Debt Payable	-\$18,090	
Financial Leverage (debt pay / tot assets)	46.7%	
Net Assets	\$19,242	
Contributions (quarter activity)	\$892	
Distributions & Redemptions (quarter activity)	-\$771	
Fund Count	16	

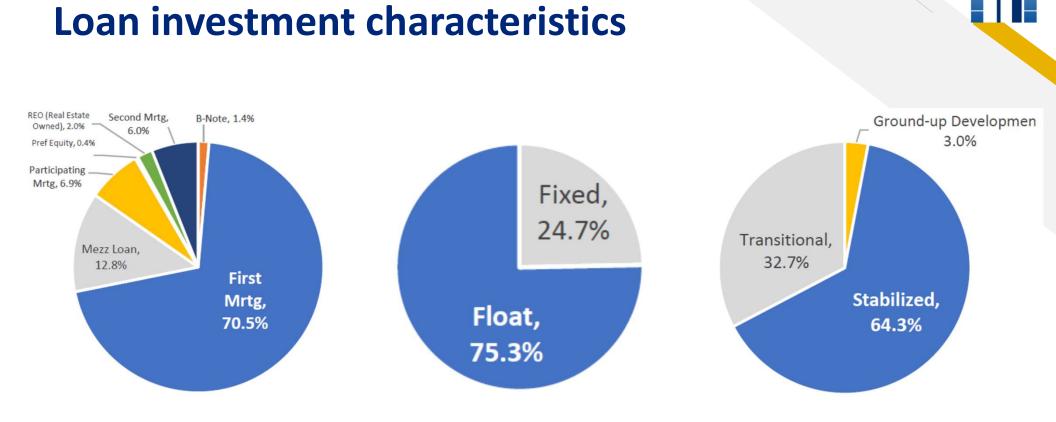




### Loan Investments



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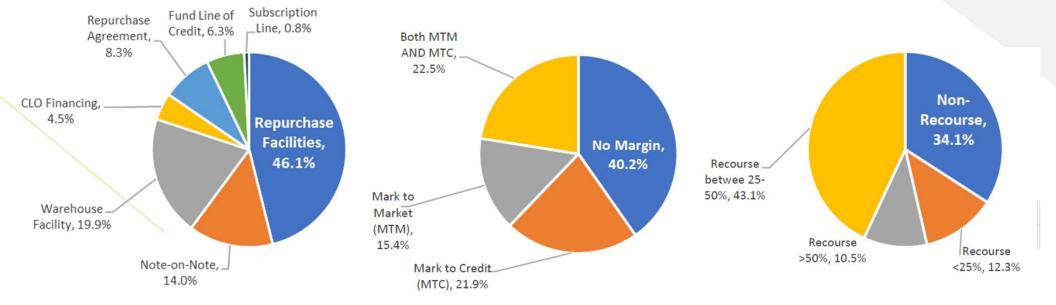


**Underlying Collateral** 48.9% **Property Type Allocations** (includes REO) 19.0% 11.4% 8.1% 4.0% 4.0% 1.7% 1.4% 1.1% 0.4% Office Hotel Retail Apartment & Student Seniors Housing Industrial Self Storage Other Property Type Mixed Use SFR & Manufactured Housing Housing Add a footer

LOAN INVESTMENT METRICS	
All-in Rate-Loan Investments (annualized)	8.8%
Wgt Avg Remaining Term (x/extensions)	2.1 yrs
First\$Risk LTV% (attach point of sub loans)	55.3%
Last\$Risk LTV% (detach point of sub loans)	74.7%
DSCR (NOI / [interest + principal])	1.0x
Debt Yield Annualized (noi / Ioan balance)	7.1%
Future Fundings % of Principal Outstanding	5.2%
# of Loan Investments	644
[metrics are equal-weighted across ALL funds]	

### **Debt payables**

	All Funds	Only funds w/
Quarter-end	(Unlev & Lev)	Leverage
12/31/2023	37.9%	50.6%





### Returns

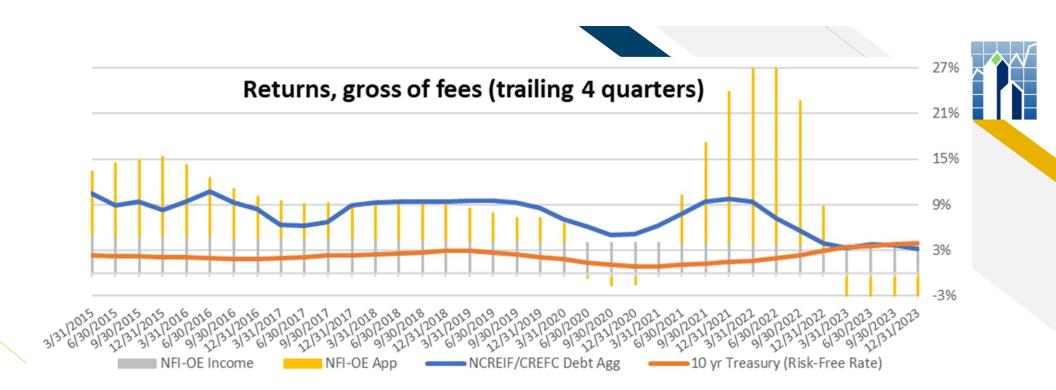
RETURNS (fund level)	Quarter-ended	1 yr	3 yr	5 yr	7 yr	10 yr
Income	2.26%	9.2%	8.3%	7.9%	8.0%	7.3%
Appreciation	-1.99%	-5.6%	-2.5%	-1.7%	-1.0%	0.2%
Total Gross of Fees	0.27%	3.2%	5.6%	6.1%	6.9%	<b>7.6</b> %
Total Net of Fees and Fund Costs	0.09%	2.4%	4.7%	5.1%	5.8%	6.1%
Fund Costs	-0.11%		[returns a	vailable si	ince 3/31/	/2014]
[returns are equal-weighted across ALL funds]						

#### Above is subject to change & not to be used as an index or benchmark.

Please read "About the Aggregate" and the Disclaimer.

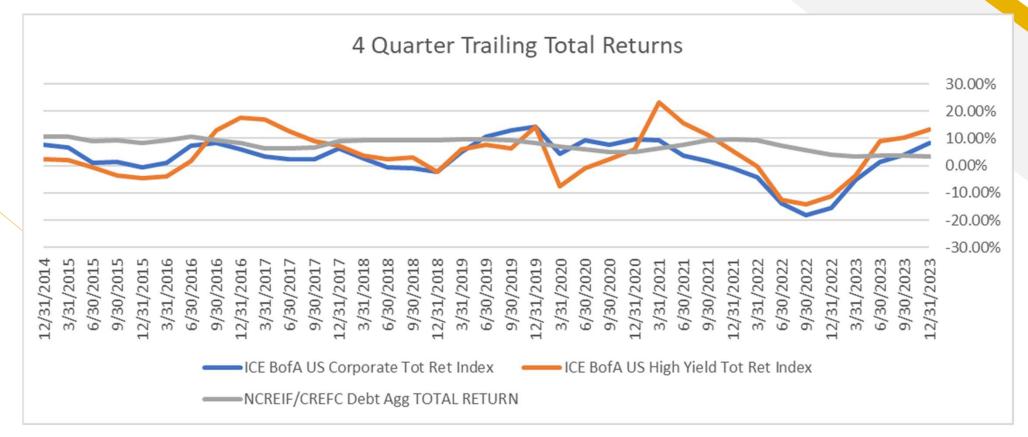






10 yrs analysis	NCREIF/CREFC Debt Agg	NFI-ÓE
Annualized Return	7.61%	8.20%
Avg Annl Excess Return	5.12%	5.83%
Std Dev Excess Return	1.7%	5.9%
Sharpe Ratio	3.0	1.0
Correlation	0.62	

# **Comparison to Third Party Benchmarks**



Source: Ice Data Indices, LLC, ICE BofA US Corporate Index Total Return Index Value [BAMLCC0A0CMTRIV], retrieved from FRED, Federal Reserve Bank of St. Louis; https://fred.stlouisfed.org/series/BAMLCC0A0CMTRIV, May 3, 2024.

### **Next Steps**

- Style index/benchmark creation
  - Core-plus
  - Index inclusion policies
    - Valuation is critical -- types and frequency
- Refinement of certain metrics like DSCR
- Loan-level data collection
- Debt reporting manual (Reporting Standards)
- Closed-end / Separate account high level data collection







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