MWRA EMPLOYEES' RETIREMENT BOARD MEETING

AGENDA

Thursday, April 20, 2023 9:30 a.m.
MWRA, 2 Griffin Way
Chelsea, MA 02150

Item 1 9:30 a.m. Meeting called to order

OLD BUSINESS

Item 2 Standing Committee Reports

- i. By-Laws Committee: Member Kevin McKenna
- ii. Human Resources Committee: Member Frank Zecha
- iii. Special Committee, Stipend: Chair James M. Fleming, Member Kevin McKenna
- iv. Job Review Committee: Member James M. Fleming

Item 3 Standing Committees Appointments

NEW BUSINESS

Item 4 Approval of March 30, 2023 Minutes – VOTE

Item 5 Approval of Warrants – VOTE

- a) Warrant 4-2023
- b) Warrant 4-2023A – Payroll

Item 6 Approval of Monthly Transfers 4-2023 – VOTE

Item 7 Approval of 2 months creditable service for MWRA contract employment 10/6/2022 – 12/8/2022 re. Jessica Vorse – VOTE

Item 8 NEPC

- a) Flash Report as of 3/31/23
- b) Opportunistic Credit Search Review
- c) Rebalance Recommendation

Item 9 Manager Due Diligence Presentations

- 10:30 a.m. a) JF Lehman – Lou Mintz
- 10:50 a.m. b) Foundry – Brad Feld

Item 10 Legal Update

FOR YOUR INFORMATION and REVIEW

Item 99-1 PERAC MEMO #11/2023 – Extension of Open Meeting Law Waivers

Item 99-2 PERAC MEMO #12/2023 – Forfeiture of Retirement Allowance for Dereliction of Duty by Members

Item 99-3 Lord Abbett Personnel Update

The Board reserves the right to consider items on the agenda out of order. The listing of items is those reasonably anticipated by the Chair to be discussed received at least forty-eight (48) hours prior to the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law. Items identified for discussion in Executive Session may be conducted in open session, in addition to, or in lieu of discussion in Executive Session.

Date of next scheduled Retirement Board meeting is Thursday, May 25, 2023, 10:00 a.m., Chelsea

MASSACHUSETTS WATER RESOURCES AUTHORITY EMPLOYEES' RETIREMENTBOARD MEETING MARCH 30, 2023

A meeting of the MWRA Employees' Retirement Board was conducted in-person on Thursday, March 30, 2023. Remote access was provided to the public via Zoom, with call-in information provided on the official Meeting Notice posted to www.mwraretirement.com and the MA Secretary of State's website. Participating in the in-person meeting were Board members James Fleming, Matthew Horan, Kevin McKenna, and Frank Zecha, staff members Carolyn Russo, Julie McManus, and Danielle DiRuzza, and Sebastian Grzejka representing NEPC. Mr. Brian Peña from the MWRA Board of Directors was absent due to previously scheduled work-related travel. Members of the public also attended via remote access. Mr. Fleming called the meeting to order at 10:01 a.m.

1) Call the meeting to order-roll call of members: Mr. Horan, Mr. McKenna, Mr. Zecha, and Mr. Fleming present.

2) Standing Committee Reports
   i. By-Laws Committee: No report
   ii. Human Resources Committee: No report
   iii. Special Committee, Stipend: No report
   iv. Job Review Committee: No report

3) Standing Committee Appointments

   On a motion made by Mr. Horan and seconded by Mr. McKenna:
   VOTED
   to table the matter of the Standing Committee Appointments until the April meeting to allow Mr. Peña to participate. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

4) Acknowledgement of Election by Declaration Second Elected Member – VOTE

   The Retirement Coordinator, who served as Election Officer, reported to the Board that Mr. Kevin McKenna was the only candidate duly nominated to serve as the Second Elected Member.

   On a motion made by Mr. Zecha and seconded by Mr. Horan:
   VOTED
   to acknowledge the election by declaration of the sole candidate, Mr. Kevin McKenna, for a three-year term as the Second Elected Member.

3-0, with Mr. Horan voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes. Mr. McKenna is recorded as having abstained.

5) Approval of FY24 COLA – 3% on a maximum base of $17,000 – VOTE

On a motion made by Mr. McKenna and seconded by Mr. Zecha:
VOTED
to grant the FY24 COLA for retirees in the amount of 3% on a maximum base of $17,000. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

6) Approval of Minutes – VOTE

a) February 23, 2023 Minutes
b) February 23, 2023 Executive Session Minutes
c) March 9, 2023 Minutes

Mr. Horan noted a typographical error in the vote regarding the bank reconciliation on the February 23, 2023 Minutes, and suggested an amendment.

On a motion made by Mr. McKenna and seconded by Mr. Horan:
VOTED
to approve the minutes of the February 23, 2023 meeting as amended. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

On a motion made by Mr. Zecha and seconded by Mr. Horan:
VOTED
to approve the February 23, 2023 Executive Session minutes as submitted by the Executive Director. 4-0, roll call with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

On a motion made by Mr. Zecha and seconded by Mr. Horan:
VOTED
to approve the March 9, 2023 Special Meeting minutes as submitted by the Executive Director. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

7) Approval of Warrants – VOTE

a) Warrant 03-2023
b) Warrant 03-2023A – Payroll

On a motion made by Mr. Zecha and seconded by Mr. Horan:
VOTED

to approve Warrant 03-2023. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

On a motion made by Mr. Zecha and seconded by Mr. McKenna:
VOTED
to approve Warrant 03-2023A-Payroll. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

8) Approval of Monthly Transfers 03-2023

On a motion by Mr. Horan and seconded by Mr. Zecha:
VOTED
to approve the list of monthly transfers as presented and as recommended by NEPC. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

9) Acknowledgement of retirement applications under G.L. c. 32 §5 – VOTE

a)	Mark Mortali	DOR 3/3/3023
b)	Craig Simpson	DOR 3/4/2023
c)	Debra Farmelant	DOR 3/11/2023
d)	Yong Lao	DOR 3/11/2023

On a motion by Mr. McKenna and seconded by Mr. Zecha:
VOTED
to acknowledge the c. 32, § 5 retirements. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

Mr. McKenna recognized the extensive, long-term contributions of the retiring employees to MWRA.

10) Carolyn Fiore – request for creditable service pursuant to s. 4(1)(c) – VOTE

On a motion by Mr. Horan and seconded by Mr. McKenna:
VOTED
to grant the request of Ms. Carolyn Fiore for creditable service pursuant to s. 4(1)(c). 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

11) Approval of February 2023 Bank Reconciliation – VOTE

On a motion by Mr. Zecha and seconded by Mr. McKenna:
VOTED
to approve the February 2023 Bank reconciliation. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

12) Attendance at NCPERS Annual Conference & Exhibition, May 21 – 24, 2023, New Orleans – VOTE

On a motion made by Mr. McKenna and seconded by Mr. Zecha:
VOTED
to approve the travel of any Board or Staff Member who wishes to attend the NCPERS Annual Conference. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

13) Attendance at Opal Group Public Funds Summit East 2023, July 10 – 12, 2023, Newport – VOTE

On a motion made by Mr. McKenna and seconded by Mr. Zecha:
VOTED
to approve the travel of any Board or Staff Member who wishes to attend the Opal Group Public Funds Summit. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

14) Ms. Lisa VanDermark, FSA, MAAA, EA Segal Vice President and Consulting Actuary – preliminary discussion of assumptions for 1/1/2023 valuation & funding schedule guiding principles

At 10:14 a.m. Ms. VanDermark joined the call. She began by stating that the Valuation process is well underway. The Executive Director submitted the data early, Segal has submitted data questions and already received the responses, so the discussion will be relative to assumptions. Ms. VanDermark shared last year's Funding Schedule on the screen. Segal is not recommending any changes to the mortality assumption, and, as is routinely done, will adjust the Administrative Expense Assumption based on the Executive Director's report of expenses in the Annual Statement. The Investment Return Assumption is currently at 6.9%. Although Segal Marco and NEPC have reported that their expectations for long-term returns is somewhat higher, at 7.6% and 7.5% respectively, Segal does not recommend that the Board make any change to the return assumption at this time. Mr. McKenna asked to see results at 6.75% as well as at the current 6.9%. Ms. VanDermark commented that she had not yet reached that point in the discussion, but stated that the first schedule presented is always the updated version of the current schedule for comparison purposes. In this case, the prior schedule has full-funding of the Actuarial Accrued Liability by 2030, and 12.05% increases in amortization payments until the final year of the schedule. Ms. VanDermark noted that the year-over-year increases to the amortization piece are higher than the 22D or 22F permit. Mr. McKenna asked about the $62m in deferred gains as determined in the prior valuation. Ms. VanDermark noted that Segal needs the final asset value from the Annual Statement in order to complete the Valuation and make that determination. She noted that some of all of previously deferred gains may be depleted due to last year's investment performance. Mr. Horan asked to see what the impact would be of pushing back the full-funding date to 2032 with both 6.9% and 6.75% return assumptions. Ms. VanDermark noted that the Board is requesting 4 funding schedule proposals total. Mr. McKenna commented that the 12.05% increase is very high, and asked for that to be lowered. Ms. VanDermark stated she would be getting to that next. She stated that the 22F limit is 4% for funding past 2030. If the is an appropriation number that the Authority is proposing, the percentage increase would be backed into, based on that and the full-funding date, or that she could reach out to PERAC to discuss an appropriate target for MWRAERS's particular situation. Mr. McKenna reiterated that he would like to see the 12.05% lowered. Mr. Horan said he would first need to see the impact. Ms. VanDermark stated that the Board has requested 4 schedules so far, and asked in which Mr. McKenna would like to see the amortization increase reduced. Mr. McKenna, Mr. Horan and Mr. Fleming concurred that the request would be for the 6.9% return assumption schedule. Ms. VanDermark stated she would work with Mr. Horan and the Executive Director to solve for the minimum workable year-over-year amortization payment increase. Ms. VanDermark asked the Board if there were any changes expected to the current required FY25 appropriation that she should know about. Mr. Horan responded that the FY25 requirement should be assumed to remain at $14.068m, but that he hopes to secure additional funds to further the System's funded status. Ms. VanDermark asked if there have been or the Board expects to make any other changes, and Mr. McKenna responded that the Board recently approved the 5% COLA for FY23. Ms. VanDermark stated that would be included. She has been working with the Executive Director, and if the Executive Director can get the final Asset value to Segal by mid-April, Segal should be able to have preliminary numbers for mid-May. Ms. VanDermark asked if it would be the Board's preference to wait until the end of May to discuss the results, or whether the Board might want to convene a special meeting. Mr. Zecha responded that a special meeting would likely be convened. Mr. Fleming thanked Ms. VanDermark for her work on the System's behalf. Ms. VanDermark signed off at 10:33 a.m.

15) Manager Due Diligence Presentations

The following managers underwent an annual investment manager review pursuant to 840 CMR 16.07. The managers presented performance and investment reports detailing the manager's activities, which the Board reviewed.

a) TA Realty – Devin Sullivan and Sean Ruhmann
b) Invesco – De'Juan Collins and Alex Dodge

Mr. Devin Sullivan and Mr. Sean Ruhmann joined the meeting representing TA Realty. Mr. Grzejka stated that there are members of the public on the call and cautioned the presenters against disclosing any materials which may be considered proprietary. The presenters thanked the Board for their continued confidence in the firm. Fund X is nearly fully wound down. TA core fund has come in #1 among 26 funds as rated by NCREIF, which Mr. Ruhmann attributed to portfolio positioning. The Core Property Fund is focused on industrial and multifamily, while underweight in Office, with the lowest allocation in the ODCE. Office has been affected by remote work, economic uncertainty, and inflation growth. TA anticipates the allocation will continue to perform well. Leverage is low relative to peers, and the fund has not been affected by redemption requests. Debt is low, and the firm has excess capacity. Mr. Ruhmann commented that you don't want to lock in long-term debt in a high-rate environment. Mr. Sullivan reported that TA expects Fund XIII's final close in June. So far, acquisitions have been on the credit line, with calls expected to begin in July or August. MWRAERS has committed $8m. Mr. Ruhmann and Mr. Sullivan thanked the Board and signed off at 10:47 a.m.

Mr. Zecha recognized Mr. Gar Chung's attendance via remote access.

De'Juan Collins and Alex Dodge joined the call representing Invesco. Mr. Grzejka stated that there are members of the public on the call and cautioned the presenters against disclosing any materials which may be considered proprietary. Fund IV had its final close in 2020. Fund VI had its last sale in 2021, with one investment remaining. Mr. Grzejka asked when the fund would be winding down, and Mr. Dodge sated that Invesco has not yet made that determination. In regard to the Mortgage Recovery Funds IMRF and IMRF II, Mr. Collins thanked the Board for its investment. There have been no changes to the firm's senior leadership. Invesco manages $90b in assets world-wide. IMRF's wind-down is nearly complete. The System committed $3.2m to IMRF II, with $2.7 distributed and $855,000 remaining NAV. The fund was a 2014 vintage with a focus on opportunistic real estate in the US and Europe, with six properties in each. Nine of the twelve have already been realized. Mr. Collins directed the Board to page 1 for IMRF II performance with a since-inception IRR of 3.3%. Page 4 shows the realized and unrealized investments. The three remaining properties are Luhrs in Phoenix, Frascati in Dublin, and Emblem in Paris. Invesco is in the process of finding a buyer for Luhrs, and they hope to close on the property in Q2. Frascati is being marketed, and Invesco expects a Q3 sale. Improvements are being made to the Emblem property to position it for sale by year-end. Mr. Zecha asked what impact the realization of the final three properties is expected to have on IRR. Mr. Collins responded that the anticipated realizations are baked into the projected gross IRR of 2%-5% as shown on page 1. Mr. Dodge thanked the Board, and the representatives from Invesco signed off the call at 11:04 a.m.

Mr. Horan asked about the process when distributions are made for determining how the funds will be allocated. Mr. Zecha stated that the Board would decide based on the approved asset allocation. Mr. Zecha stated office exposure has hurt performance, and questioned whether the Board should pare back positions. Mr. Grzejka stated that other investors have already done so, and as a result the System's potential proceeds would likely be lower. Mr. Zecha asked whether we should “get in line” and Mr. Grzejka stated the System is already on the low end of the real estate target, but that TA Core is a possibility.

The Board determined each manager continues to operate in a manner represented when retained and outlined in the agreement between the Board and the manager.

16) Small Cap Growth Finalists Presentations

a) Axiom Investors – Megan Strater and David Kim
b) Westfield Capital Management – Ethan Myers and Justin Moscardelli
c) Loomis Sayles – John Slavik, Mark Burns, and Teresa Woo
d) Summit Creek – Joe Doctor, Adam Benson, and Steve Sorenson

At 11:07 a.m., Axiom representatives Megan Strater and David Kim joined the meeting. They thanked the Board for their partnership on the Emerging Markets investment. Mr. Grzejka stated that there are members of the public on the call and cautioned the presenters against disclosing any materials which may be considered proprietary. The firm is 100% employee-owned. Axiom has a single investment team which collaborates across multiple strategies, size, sectors, and geographies. The Small Cap Growth Fund’s relative performance is on page 11. Mr. Kim stated that a global view is necessary for success. He referred the Board to page 8 for a process overview. Selection is based on positive change, sustainable growth, and valuation. The investment process incorporates Acceleration, Analysis, Action and Adjustment. As shown on page 10, a risk rating is incorporated in the final analysis. Axiom’s team members are global experts in their respective fields, and use a disciplined, conviction-weighted portfolio construction process. The fund is currently underweight in energy, materials, biotech and pharma. Biotech and pharma are underweight because they have binary outcomes. New drugs and treatments are either approved or they’re not, so Axiom sees better opportunities elsewhere. The firm has inflation concerns but is excited about the opportunities for growth and differentiation the Small Cap Growth fund offers. Mr. Grzejka asked about operational due diligence and underwriting were there to be a “swan event.” Mr. Kim stated that he is more concerned about the impact of more rate increases, wage pressures, and SVB-like events, which no one anticipated. The quick response by other banks and the Federal Government may prevent “contagion.” Axiom looks at how an event affects companies’ capital plans. Will there be construction delays? How are the balance sheets affected by increasing rates? Are spending cuts being implemented? Mr. Zecha asked about YTD net of fees returns and index returns. Ms. Strater responded that the fund returned .97 YTD, and the benchmark returned 3.9%. Mr. Grzejka asked about fees, and Ms. Strater stated that the fees for the trust are 55bps all-in. The representatives from Axiom thanked the Board and signed off at 11:24 a.m.

At 11:26 a.m. Mr. Ethan Myers and Mr. Justin Moscardelli from Westfield Capital Management joined the meeting. Mr. Grzejka stated that there are members of the public on the call and cautioned the presenters against disclosing any materials which may be considered proprietary. Mr. Moscardelli thanked the Board for the opportunity. He stated that the market has changed, and what worked ten years ago may not work now. The firm is Boston-based with $14bn AUM, and $1.9bn in the Small Cap Growth strategy. The firm is 100% employee-owned. The Small Cap Growth fund has room to grow to about double before the firm will close it to new investors. The firm currently manages $2.5bn for public fund clients, including MA public funds such as Boston, New Bedford, and Plymouth. Mr. Myers referred the Board to page 5 for team details. The long experience of the team is due to the firm's reinvesting in talent in order to sustain growth. Mr. Myers stated that free money for all is at an end. During the pandemic, with zero interest rates plus stimulus money, small companies found it challenging to allocate funds. Westfield builds a portfolio of higher quality companies with sustainable growth prospects. Because inflation has been re-introduced, volatility has increased. Managers have gotten back to basics, and cash flow and balance sheets matter. The fund is well-positioned to move forward, with a consistent team, process, discipline and high conviction. They are seeking the best risk/reward among all investments. The "hot dots" will revert to the mean. Westfield's approach has remained steady, which will benefit investors if volatility increases, as is expected. Mr. Moscardelli suggested that Mr. Myers address risk management. Mr. Myers referred the Board to page 16 of the presentation. The firm did extensive research to address previous underperformance, and invested in the development of a risk management dashboard. All risk assumed in the portfolio is intentional, not incidental. They are betting only on their research team, not on sectors, geography, etc. The model provides responsible downside protection to perform better in down and volatile market environments. Mr. Zecha asked about YTD net of fees returns for the fund and the benchmark. Mr. Myers stated the fund returned 4.87% YTD and the benchmark returned 2.7%. Mr. Grzejka asked about fees. Mr. Moscardelli stated the fees as shown on page 26 are 100bps on the first $25m, but that a performance-based fee could be negotiated. Mr. Grzejka asked if that would be a rolling number based on the benchmark, and Mr. Moscardelli confirmed that it would. Mr. McKenna asked what it would be based on the last three years of outperformance, and Mr. Moscardelli responded it would be at the maximum. The presenters reiterated that the portfolio is well-positioned to move forward, and thanked the Board. The representatives from Westfield signed off at 11:46 a.m.

Mr. Fleming asked how they would report performance-based fees. Mr. Grzejka responded that it would be similar to Garcia Hamilton, base fee plus performance fee, and is becoming more common.

At 11:48 a.m., John Slavik, Mark Burns and Teresa Woo joined the meeting representing Loomis Sayles. Mr. Grzejka stated that there are members of the public on the call and cautioned the presenters against disclosing any materials which may be considered proprietary. Ms. Woo, the Relationship Manager, thanked the Board for its continued confidence in the firm. The firm is stable, as is parent company Nataxis. Loomis Sayles has specialized investment teams with long-term relationships with MACRS plans. Mr. Burns stated that Loomis Sayles first came to MWRAERS eighteen years ago, views MWRAERS as an important client, and appreciates the relationship. Page 7 provides a firm and fund overview. The Small Cap Growth strategy has $3.7bn AUM. Loomis Sayles closed the fund to new investors two years ago so that its size would not adversely impact performance for clients. The firm has scaled and added to the team consistently over time. Page 9 show the firm's philosophy of commitment to higher quality, which generates higher and more consistent returns. The strategy and discipline have remained the same. They seek firms with secular growth, and high quality under-exploited names. The valuation model identifies companies with the ability to generate cash flows, and eliminates poor allocators of capital. Risk is managed on a stock level up to the portfolio level. Stop-loss discipline lowers volatility and helps protect on the downside. Page 23 shows since-inception returns. Loomis Small Cap Growth is in the 16th percentile among their peers, with the risk-adjusted ranking coming in even higher. The process is disciplined, repeatable, consistent, and battle-tested over various market environments. Mr. Zecha asked for YTD net of fees returns for the fund and the index. Mr. Burns responded that the fund returned 2.7% and the index returned 3.9% YTD through March 29. Mr. Burns stated that the slight lag YTD is attributable to higher performance of low quality in January. Mr. Grzejka asked whether the fees would remain at 45bps, and Ms. Woo stated that they will. The representatives from Loomis Sayles thanked the Board and signed off the call at 12:05 p.m.

Mr. McKenna asked whether it would be difficult not to weed out Westfield on the basis of fees, and Mr. Grzejka concurred that Westfield cannot compete on a flat-fee basis. Mr. Zecha asked whether Loomis Sayles has underperformed, and Mr. Grzejka stated they had not, that the performance of all four finalists was similar. Axiom and Summit have performed better over the three-year period, but over the seven to ten-year period, all converge and perform as expected on an absolute basis, with Loomis Sayles outperforming in down markets.

Summit Creek representatives Joe Doctor, Adam Benson, and Steve Sorenson joined the call at 12:12 p.m. The presenters thanked the Board for the opportunity. Mr. Grzejka stated that there are members of the public on the call and cautioned the presenters against disclosing any material which may be considered proprietary. The firm is 100% employee-owned, with $1bn AUM. Clients consist of public funds, endowments, and high net worth individuals. PRIT is a client. The firm has both a small and a mid-cap strategy, with an ideal research environment. The Small Cap strategy has returned 11.7% over the long term, as compared with the benchmark's 7.2%, demonstrating long-term outperformance over several cycles. Mr. Benson described the screening process to pare down the universe to higher quality names. Mr. Doctor and Mr. Benson each manage half of the portfolio based on the specific areas of expertise. Selections must have at least a three to five year expectation of growth. Page 6 describes business traits of selected companies. They must be expected to meet double-digit growth prospects even in an inflationary environment. Summit seeks a 20% price discount, and takes advantage of temporary market pullbacks. 100 possible names are reduced to 50-55 holdings. The sell discipline is described on page 8. Positions must remain less than 5% of the portfolio. Turnover is about 40%, with half of those trades resulting from trimming the positions to meet the 5% requirement. Companies must show consistency of results with lower volatility to drive performance. Mr. Zecha asked about YTD performance for the fund and the index. Mr. Sorenson responded 2.1% and 3.9% respectively. Mr. Grzejka asked about fees. Mr. Doctor stated that the flat fee is 1%, but that a performance fee could be negotiated. The fund has outperformed in 12 of 16 years, but does not do as well in rapidly rising markets if driven by non-traditional or lower quality growth companies. The markets tend to return to more steady, traditional growth companies. Page 14 shows that the fund does not have a lot of energy or financials exposure because they don't meet the double-digit growth expectation screen. The fund may underweight, but will not exclude, entire sectors. Mr. Doctor stated that the firm has an ideal research environment, the team has been together a long time, and the results speak for themselves. Employee ownership aligns owners' interests with their clients'. Mr. Doctor and Mr. Benson own 90% of outstanding shares. The Summit Creek presenters signed off at 12:29 p.m.

Mr. Grzejka noted that the four finalist firms are similar, with nuances to targets and valuation screens. The Board has had a long-term relationship with Loomis Sayles, and they have provided long-term results. Fees have been a longstanding concern of the Board's, and Loomis Sayles offers the lowest among the finalists. Year-to-Date December 2022 performance had Axiom at (30.28%), Loomis Sayles at (23.04%), Summit Creek at (25.15%) and Westfield at (25.6%). The returns converge over the full market cycle. Loomis Sayles has less upside capture in some markets, but outperforms on the downside. Mr. Zecha stated that he will accept NEPC's recommendation, and will support the selection of Loomis Sayles based on better performance and lower fees. Mr. Fleming concurred.

> On a motion by Mr. McKenna and seconded by Mr. Horan:
> **VOTED**
> to select Loomis Sayles to manage the Small Cap Growth mandate. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

17) NEPC
   a) Flash Report as of 2/28/23
   b) Opportunistic Credit Search Review

c) Entrust Update
d) Garcia Hamilton Update

Mr. Zecha asked that the matter of Garcia Hamilton be taken out of order, since he would need to leave the meeting shortly and has some strong concerns. Mr. Grzejka explained the Gilbert Garcia has declared his candidacy for Mayor of Houston. Mr. Horan stated that to the “key people” point, he has concerns about the portfolio as well. Mr. Grzejka reported that NEPC has put Garcia Hamilton into “Hold” status, meaning they are not suggesting divestiture, but are not making recommendations for further investment either. If Mr. Garcia doesn’t make it through the primary, it becomes a moot point. If he does, the firm will be in an elevated watch category.

In regard to the preliminary responses to the opportunistic credit search, Mr. Grzejka reported that several of the submissions did not meet the search criteria. NEPC recommends, therefore, that Acres, Angelo Gordon, Astra, Constitution, Palisade, and Prime Meridian be eliminated, and that additional research be conducted on the remaining nine firms.

> On a motion by Mr. Zecha and seconded by Mr. Horan:
> **VOTED**
> to accept NEPC’s recommendation to eliminate from the Opportunistic Credit Search Acres, Angelo Gordon, Astra, Constitution, Palisade, and Prime Meridian, as not meeting the RFP criteria and to review NEPC’s deeper research on the remaining nine firms at the April meeting. 4-0, with Mr. Horan voting yes, Mr. McKenna voting yes, Mr. Zecha voting yes, and Mr. Fleming voting yes.

Mr. Zecha left the meeting at 12:45 p.m.

In regard to the flash report, Mr. Grzejka reported that February and March to date have been volatile. March may be flat or slightly positive. The portfolio got protection where expected. The Boston Partners portfolio was redeemed and invested with Mesirow in two tranches, with solid returns. The account will be left open temporarily to accept any residual income. Baillie Gifford has been strong over the long term but has struggled significantly over the short term. The Emerging Markets managers are starting to outperform. Fixed Income also outperformed slightly. The Hedge Fund portfolio continues to add value. The remaining investment in the Entrust Hedge Fund portfolio was marked down in accordance with the Peruvian Tribunal’s assigning a value of $100m to the asset. There is another proceeding scheduled to take place in France, which may address fees charged over the years while this process was ongoing. Entrust may also be looking for a buyer on the secondary market.

Mr. Grzejka noted that he will not be available for the April 27 meeting. The Board rescheduled the meeting for April 20.

18) 1:30 p.m. Legal Update

Unfortunately, Board Counsel had an unanticipated scheduling conflict, and asked that the Legal Update be deferred until the next meeting.

On a motion by Mr. McKenna and seconded by Mr. Horan:
VOTED
to adjourn the March 30, 2023 meeting of the MWRA Employees' Retirement Board. 3-0, roll call with Mr. Horan voting yes, Mr. McKenna voting yes, and Mr. Fleming voting yes. The meeting was adjourned at 12:52 p.m.

The following communications were distributed to the Board for review:
PERAC MEMO #6/2023 – Buyback and Make-up Repayment Worksheets
PERAC MEMO #9/2023 – Tobacco Company List
PERAC MEMO #10/2023 – Mandatory Retirement Board Member Training – 2nd Quarter 2023
PERAC Pension News March 2023

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Date of next scheduled Retirement Board meeting is Thursday, April 20, 2023, 9:30 a.m., Chelsea

James M. Fleming, Elected member

Matthew Horan, Appointed Member

Kevin McKenna, Elected Member

Brian Peña, Ex Officio Member

Frank Zecha, Fifth Member

MONTHLY PERFORMANCE REPORT

MWRA EMPLOYEES’ RETIREMENT SYSTEM

MARCH 31, 2023

GOALS & OBJECTIVES

Investment Return Objective

"Its primary goal is to provide promised benefits to participants and beneficiaries of the MWRA Employees' Retirement system. Plan assets should be equal to or greater than the present value of the projected benefit obligations ("fully funded"). When Plan assets are less than the present value of projected benefit obligations, a schedule will be established and a plan will be in place to meet a fully funded status. When achieving return objectives required to fully fund the system, the Board is intent on controlling risk. Consistency of returns and risk of loss are primary considerations. The Board has also determined that the annual performance of plan assets should not vary substantially from returns achieved by other public pension funds with similar goals and objectives."

Return Expectations

The investment growth should be maintained in such a manner that the minimum nominal rate of return does not cause a negative real rate of return over a full market cycle:

- **Time Horizon:** Return assumptions will be based on a ten-year time horizon with a detailed review and analysis to be made at least annually to monitor allocations and assumptions. Should a manager deviate from proscribed mandate or expected risk and return profile by a consequential degree, that manager may be reevaluated at any time.
- **Liquidity Needs:** Presently contributions exceed plan withdrawals to provide benefits, payouts, and/or plan expenses. Portfolio liquidity will be managed based on the cash flow needs of the System.
- **Regulatory Considerations:** Assets of this Fund shall be invested in a manner consistent with the fiduciary standards established under Code of Massachusetts Regulations 840 ("840 CMR"). The Board shall also use as precedent the Employee Retirement Income Security Act (ERISA).

EXECUTIVE SUMMARY

	Market Value ($)	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Composite	**646,914,988**	**1.5**	**3.8**	**-5.0**	**10.0**	**5.4**	**6.4**
Allocation Index		*1.3*	*3.5*	*-4.9*	*9.8*	*5.8*	*6.7*
Policy Index		*1.5*	*3.8*	*-5.1*	*10.9*	*6.4*	*6.9*

20 Years As of March 31, 2023				
	Return	Standard Deviation	Sharpe Ratio	Sortino Ratio
Composite	**7.4**	**8.5**	**0.7**	**1.1**
Allocation Index	*6.8*	*8.0*	*0.7*	*1.0*
Policy Index	*7.2*	*8.6*	*0.7*	*1.0*

Performance

- The Composite had a preliminary return of 1.5 (net) for the month, outpacing the Allocation Index (1.3%) and matching the Policy Index (1.5%).
- Equities got a boost as the central bank's actions eased the concerns of investors with markets pricing in lower interest rates in the future in anticipation of slowing consumer demand and moderating inflation. The S&P 500 Index gained 3.7% and the MSCI EAFE Index was up 2.5% in March. During the same period, emerging markets returned 3%, according to the MSCI EM Index. Growth equities outperformed value last month with the Russell 1000 Growth Index gaining 14.4% while the Russell 1000 Value Index was up 1%. The portfolio's Domestic Equity composite returned 1.7% (net) and the Non-US Equity composite was up 3.5% (net).
- In fixed income, returns were bolstered by the downward pressure on interest rates. Treasury yields moved lower with 10- and 30-year yields decreasing 42 and 24 basis points, respectively. The Fixed Income composite returned 2.1% (net) for the month while the Bloomberg Agg and the Bloomberg US HY returned 2.5% and 1.1%, respectively.
- This brings the total plan return for the trailing one-year period to -5.0% (net), while the Allocation Index and Policy Index returned -4.9% and -5.1%, respectively.

Returns for 20 years Risk/Return and Statistics Summary are gross of fees.
Since inception return is 8.2% gross of fees. Prior to 1999, performance history does not capture separate net and gross returns.

TOTAL FUND PERFORMANCE DETAIL (NET)

	Allocation			Performance (%)							
	Market Value ($)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Composite	**646,914,988**	**100.0**	**100.0**	**1.5**	**3.8**	**-5.0**	**10.0**	**5.4**	**6.4**	**6.7**	**Jan-86**
Allocation Index				*1.3*	*3.5*	*-4.9*	*9.8*	*5.8*	*6.7*		
Policy Index				*1.5*	*3.8*	*-5.1*	*10.9*	*6.4*	*6.9*		
Total Balanced	**4,981,751**	**0.8**	**0.0**	**0.0**	**2.5**	**-7.0**	**12.5**	**4.6**	**4.4**	**4.5**	**Dec-10**
PRIT Core Fund	4,981,751	0.8	0.0	0.0	2.5	-7.0	10.7	6.6	7.6	6.8	Apr-99
60% S&P 500 / 40% Bloomberg Aggregate				*3.2*	*5.7*	*-6.3*	*9.9*	*7.3*	*8.0*	*6.0*	
Total Domestic Equity	**200,164,649**	**30.9**	**31.0**	**1.7**	**5.8**	**-8.8**	**16.6**	**9.7**	**10.9**	**7.3**	**May-99**
Russell 3000 Index				*2.7*	*7.2*	*-8.6*	*18.5*	*10.5*	*11.7*	*7.0*	
Large Cap	**154,918,492**	**23.9**	**24.0**	**3.4**	**6.3**	**-9.5**	**15.3**	**10.7**	**11.4**	**12.0**	**Dec-10**
Rhumbline Advisors S&P 500 Index Fund	64,527,908	10.0	10.0	3.7	7.5	-7.7	18.5	11.1	12.1	8.8	Apr-97
S&P 500 Index				*3.7*	*7.5*	*-7.7*	*18.6*	*11.2*	*12.2*	*8.7*	
Coho Relative Value Equity	48,428,764	7.5	7.0	-0.5	-1.1	-3.3	14.8	9.3		10.1	Mar-16
Russell 1000 Value Index				*-0.5*	*1.0*	*-5.9*	*17.9*	*7.5*		*10.0*	
Polen Focused Growth	41,961,820	6.5	7.0	7.8	14.1	-18.4	10.4	11.1		12.5	Feb-16
Russell 1000 Growth Index				*6.8*	*14.4*	*-10.9*	*18.6*	*13.7*		*15.7*	
Small Cap	**45,246,156**	**7.0**	**7.0**	**-3.6**	**4.2**	**-6.6**	**20.8**	**7.1**	**9.6**	**10.8**	**Dec-10**
Boston Partners Small Cap Value	6,937	0.0									
Russell 2000 Value Index											
Loomis Sayles Small Cap Growth	22,264,769	3.4	3.5	-2.6	4.6	-6.7	16.7	8.2	11.0	6.6	Jan-97
Russell 2000 Growth Index				*-2.5*	*6.1*	*-10.6*	*13.4*	*4.3*	*8.5*	*6.5*	
Mesirow Small Cap Value Equity CIT - Founders Class	22,974,450	3.6	3.5								Apr-23
Russell 2000 Value Index											
Total Non-US Equity	**108,697,725**	**16.8**	**19.0**	**3.5**	**7.9**	**-8.3**	**8.5**	**0.2**	**3.4**	**3.8**	**Mar-99**
International Equity	**72,994,148**	**11.3**	**12.0**	**4.1**	**10.2**	**-4.4**	**11.2**	**2.6**	**4.6**	**3.6**	**Sep-05**
SEG Baxter Street	30,592,708	4.7	5.0	3.6	8.9	-4.4	8.7	3.5		6.5	May-16
MSCI AC World ex USA (Net)				*2.4*	*6.9*	*-5.1*	*11.8*	*2.5*		*5.5*	
Schroder International Alpha Trust Class 1	28,201,636	4.4	4.0	3.9	10.2	-3.9	16.0	6.0	6.5	6.6	Mar-12
MSCI AC World ex USA (Net)				*2.4*	*6.9*	*-5.1*	*11.8*	*2.5*	*4.2*	*4.4*	
Baillie Gifford International Growth Fund Class K	14,199,804	2.2	3.0	5.6	13.3	-5.1				-8.0	Oct-20
MSCI AC World ex USA (Net)				*2.4*	*6.9*	*-5.1*				*5.1*	

Since inception return is 8.2% gross of fees. Prior to 1999, performance history does not capture separate net and gross returns.
In November 2019, Loomis Sayles and Schroders transitioned from a mutual fund to a CIT structure. Performance prior to the transition to the CIT investment vehicle is linked to mutual fund performance history.
Preliminary performance is subject to change once finalized.
Mesirow Small Cap Value Equity CIT funded March 2023.
Boston Partners was terminated in March 2023.

TOTAL FUND PERFORMANCE DETAIL (NET)

	Allocation			Performance (%)							
	Market Value ($)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Emerging Markets Equity	**35,703,577**	**5.5**	**7.0**	**2.1**	**3.5**	**-15.5**				**-15.3**	**Mar-21**
Axiom Emerging Markets Trust Class 2	16,677,690	2.6	7.0	2.6	3.8	-19.4				-17.6	Mar-21
MSCI Emerging Markets (Net)				*3.0*	*4.0*	*-10.7*				*-11.3*	
ABS Emerging Markets MA Fund	19,025,887	2.9		1.7	3.3	-11.8				-14.5	Dec-21
MSCI Emerging Markets (Net)				*3.0*	*4.0*	*-10.7*				*-11.8*	
Total Fixed Income	**128,730,595**	**19.9**	**20.0**	**2.1**	**3.3**	**-4.0**	**0.7**	**2.0**	**2.6**	**5.7**	**Mar-99**
Garcia Hamilton Fixed Income Aggregate	32,776,465	5.1	6.0	2.9	3.5	-4.2	-1.7	0.9		0.9	Apr-18
Blmbg. U.S. Aggregate Index				*2.5*	*3.0*	*-4.8*	*-2.8*	*0.9*		*0.9*	
Lord Abbett Core Fixed Income	35,374,174	5.5	4.0	2.3	3.3	-5.1	-1.7	1.1		1.1	Apr-18
Blmbg. U.S. Aggregate Index				*2.5*	*3.0*	*-4.8*	*-2.8*	*0.9*		*0.9*	
Loomis Sayles Multisector Full Discretion Trust	48,280,678	7.5	8.0	2.0	3.3	-4.3	2.1	2.4	3.2	6.8	Mar-99
Blmbg. U.S. Aggregate Index				*2.5*	*3.0*	*-4.8*	*-2.8*	*0.9*	*1.4*	*3.9*	
Blmbg. U.S. Corp: High Yield Index				*1.1*	*3.6*	*-3.3*	*5.9*	*3.2*	*4.1*	*6.1*	
Octagon Senior Secured Credit Cayman Fund Ltd. - Class L Acc, Series 1	12,284,229	1.9	2.0	-0.2	2.6	0.7	6.5			2.8	Aug-19
Credit Suisse Leveraged Loan				*-0.1*	*3.1*	*2.1*	*8.4*			*3.3*	
Invesco Mortgage Recovery Loans Feeder Fund	15,048	0.0		0.0	0.0	-0.6	-0.4	1.9	6.0	9.7	Apr-10
Blmbg. U.S. Aggregate Index				*2.5*	*3.0*	*-4.8*	*-2.8*	*0.9*	*1.4*	*2.3*	
Total Hedge Fund	**40,450,410**	**6.3**	**6.0**	**-0.3**	**1.4**	**-2.0**	**7.1**	**3.7**	**3.3**	**3.3**	**Oct-06**
PRIM Portfolio Completion Strategies	13,351,427	2.1		0.0	2.4	-0.5	6.8	3.3	4.0	3.8	Oct-06
Corbin Pinehurst Partners	12,837,620	2.0		-1.2	2.0	-5.6	8.4			4.5	Nov-18
HFRI Fund of Funds Composite Index				*-0.7*	*0.7*	*-1.9*	*7.2*			*4.0*	
UBS Neutral Alpha Strategies	14,202,250	2.2		0.2	1.3	6.9	9.1			6.5	Nov-18
HFRI Fund of Funds Composite Index				*-0.7*	*0.7*	*-1.9*	*7.2*			*4.0*	
Entrust Peru Wind Down	59,113	0.0		0.0	-10.7	-92.0	-57.1	-41.3		-39.4	Dec-17
HFRI Fund of Funds Composite Index				*-0.7*	*0.7*	*-1.9*	*7.2*	*3.1*		*3.1*	
Other	**6,782,181**	**1.0**	**0.0**	**0.4**	**1.0**	**2.4**	**0.9**	**1.4**	**0.9**	**0.8**	**Dec-10**
Cash Account	6,782,181	1.0		0.4	1.0	2.4	0.9	1.4	0.9	1.8	Feb-00
90 Day U.S. Treasury Bill				*0.4*	*1.1*	*2.5*	*0.9*	*1.4*	*0.9*	*1.6*	

Importantly, all returns in this report, including those of the private markets managers, are based on a time weighted return calculation and not based on IRRs, which can result in return differences.

Preliminary performance is subject to change once finalized.

TOTAL FUND PERFORMANCE DETAIL (NET)

	Allocation			Performance (%)							
	Market Value ($)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Total Real Estate	**70,487,769**	**10.9**	**12.0**	**0.0**	**0.0**	**3.9**	**12.0**	**10.2**	**10.8**	**8.4**	**Apr-99**
NCREIF Property Index				*0.0*	*0.0*	*0.2*	*7.8*	*7.1*	*8.5*	*8.6*	
Morgan Stanley Prime Property ($2.8m commitment in '95)	25,979,519	4.0		0.0	0.0	-0.8	9.1	7.9	10.3	8.7	Sep-95
TA Realty Core Property Fund, LP ($15m commitment in '19)	26,506,164	4.1		0.0	0.0	0.6	13.6			12.1	Jun-19
Invesco Mortgage Recovery II ($3M commitment in '15)	921,638	0.1		0.0	0.0	-4.8	-20.4	-6.7		-1.9	Oct-15
Landmark VI ($2m commitment in '11)	6,499	0.0		0.0	0.0	0.7	-6.2	-8.4	-0.3	2.2	Jul-11
Landmark VIII ($4m commitment in '17)	2,105,498	0.3		0.0	0.0	7.6	18.3	13.5		18.8	Nov-17
StepStone Real Estate Fund II ($2m commitment in '11)	367,525	0.1		0.0	0.0	-2.8	-0.2	-0.9	5.1	2.0	May-12
Cerberus Institutional Real Estate Partners III ($1.5m commitment in '12)	471,529	0.1		0.0	0.0	-14.4	20.5	15.8		14.8	May-13
TA Realty Fund X LP ($3.5m commitment in '12)	3,889	0.0		0.0	0.0	16.0	5.5	7.6		8.8	May-13
TerraCap Partners III, LP ($2.6m commitment in '15)	1,610,352	0.2		0.0	0.0	19.4	9.6	7.6		10.9	Jul-15
TerraCap Partners IV, LP ($4m commitment in '17)	3,669,565	0.6		0.0	0.0	3.1	9.9	10.2		10.2	Nov-17
TerraCap Partners V, LP ($8m commitment in '22)	8,845,592	1.4		0.0	0.0					14.5	Jun-22
Total Private Equity and Debt	**86,619,909**	**13.4**	**12.0**	**0.0**	**-0.1**	**-1.3**	**21.1**	**13.6**	**14.3**	**10.2**	**Apr-99**
C|A US All PE				*0.0*	*0.0*	*-2.1*	*23.0*	*15.4*	*14.3*	*13.1*	
NASDAQ W/O Income				*6.7*	*16.8*	*-14.1*	*16.6*	*11.6*	*14.1*	*6.9*	
PRIM Vintage Year 2008 ($3m commitment in '08)	803,700	0.1		0.0	1.1	-3.6	14.0	13.2	17.7	9.8	Jun-08
PRIM Vintage Year 2009 ($1m commitment in '09)	65,241	0.0		0.0	-6.0	-25.0	32.2	29.1	24.5	13.5	Nov-09
PRIM Vintage Year 2010 ($1m commitment in '10)	484,106	0.1		0.0	7.6	-23.3	24.0	17.8	19.1	11.3	Jun-10
PRIM Vintage Year 2011 ($1.5m commitment in '11)	809,525	0.1		0.0	0.1	-10.9	29.1	23.4	21.9	9.7	May-11
PRIM Vintage Year 2012 ($1m commitment in '12)	467,559	0.1		0.0	0.6	-23.3	10.4	12.3	13.0	-9.1	Jun-12
PRIM Vintage Year 2014 ($2m commitment in '14)	2,150,940	0.3		0.0	-0.1	-8.1	21.0	21.9		8.2	Jun-14
PRIM Vintage Year 2017 ($2m commitment in '17)	2,566,275	0.4		0.0	0.1	-2.6	23.1	16.7		15.5	May-17
PRIM Vintage Year 2020 ($5m commitment in '20)	3,797,722	0.6		0.0	-2.2	-6.5	14.4			14.5	Mar-20
PRIM Vintage Year 2021 ($5m commitment in '21)	3,203,115	0.5		0.0	-0.4	-8.0				-1.1	Dec-20
PRIM Vintage Year 2022 ($7.5m commitment in '22)	1,159,969	0.2		0.0	0.0	-5.8				-5.8	Apr-22
Alcentra European DLF ($5m commitment in '14)	198,882	0.0		0.0	0.0	5.3	26.4	13.4		11.7	Jan-15
Ascent Fund IV-B ($1m commitment in '16)	40,322	0.0		0.0	0.0	-0.3	-13.4	-19.4		-14.4	Jul-16
Ascent Fund V ($2m commitment in '08)	1,262,271	0.2		0.0	0.0	-13.1	2.2	-2.1	2.1	3.9	Oct-08
Ascent VI ($3m commitment in '15)	3,257,757	0.5		0.0	0.0	-4.8	2.2	1.6		1.1	Dec-15
CVI Credit Value Fund IV A LP ($6m commitment in '17)	5,325,930	0.8		0.0	0.0	6.2	13.6	6.7		6.2	Dec-17
Invesco Fund VI ($5m commitment in '13)	837,127	0.1		0.0	0.0	-29.4	25.9	16.8		16.0	Jul-13

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TOTAL FUND PERFORMANCE DETAIL (NET)

	Allocation			Performance (%)							
	Market Value ($)	% of Portfolio	Policy(%)	1 Mo (%)	3 Mo (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Kayne Energy Fund VII ($5m commitment in '15)	2,857,362	0.4		0.0	0.0	-6.8	20.6	-16.3		-4.2	Jan-16
Foundry 2007 ($3m commitment in '07)	484,034	0.1		0.0	0.0	-2.5	31.6	1.7	11.6	19.5	Dec-07
Foundry 2010 ($3m commitment in '10)	5,956,413	0.9		0.0	0.0	-0.1	34.8	21.8	14.0	14.0	Feb-11
Foundry 2010 Annex ($0.4m commitment in '15)	1,105,234	0.2		0.0	0.0	-0.9	89.7	63.3		40.4	Sep-15
Pinebridge PEP V ($6m commitment in '07)	449,779	0.1		0.0	0.0	-5.5	15.0	3.7	8.2	7.8	Dec-10
Pinebridge (AIG) PEP V Asia ($6m commitment in '07)	32,657	0.0		0.0	0.0	-8.7	-4.5			-13.4	Oct-18
Pinebridge (AIG) PEP V Co-Investment ($6m commitment in '07)	90,621	0.0		0.0	0.0	-6.0	17.8			5.9	Oct-18
Pinebridge (AIG) PEP V Europe ($6m commitment in '07)	16,190	0.0		0.0	0.0	-16.6	202.1			111.9	Oct-18
Pinebridge (AIG) PEP V Large Market US Buyout ($6m commitment in '07)	74,199	0.0		0.0	0.0	-13.1	23.1			5.7	Oct-18
Pinebridge (AIG) PEP V Preferred Participation Fund ($6m commitment in '07)	75,737	0.0		0.0	0.0	-18.9	6.1			-3.7	Oct-18
Pinebridge (AIG) PEP V Secondary ($6m commitment in '07)	23,017	0.0		0.0	0.0	-7.2	-10.6	-12.1		-9.8	Jan-17
Pinebridge (AIG) PEP V Small-Mid Market US Buyout ($6m commitment in '07)	90,000	0.0		0.0	0.0	-0.4	24.4			14.8	Oct-18
Pinebridge (AIG) PEP V US Venture ($6m commitment in '07)	47,358	0.0		0.0	0.0	-2.1	7.3			-2.5	Oct-18
Landmark XV ($3m commitment in '13)	644,797	0.1		0.0	0.0	-13.2	4.8	6.0		10.5	Nov-13
JFL Equity Investors IV, L.P. ($6m commitment in '16)	1,752,050	0.3		0.0	0.0	10.7	34.6	41.4		35.6	Jan-17
Private Advisors Small Co. Coinvestment Fund, LP ($4m commitment in '17)	4,695,956	0.7		0.0	0.0	-0.6	20.7	20.7		18.5	Feb-17
Park Square Credit Opportunities III ($3m commitment in ’17)	2,801,373	0.4		0.0	0.0	4.8	6.9	8.1		6.7	Feb-18
Ironsides Constitution Opportunities ($3m commitment in '18)	1,701,871	0.3		0.0	0.0	1.5	12.4			11.1	Oct-18
HarbourVest Dover Street X ($9m commitment in '20)	6,515,460	1.0		0.0	0.0	-3.5				56.4	Jun-20
Hamilton Lane Secondary Fund V LP ($9m commitment in '20)	7,553,174	1.2		0.0	0.0	0.1				30.3	Jul-20
Constitution Ironsides Co-Investment Fund VI ($12m commitment in '21)	13,189,202	2.0		0.0	0.0	0.5				2.6	Nov-21
HarbourVest Co-Investment Fund VI ($8m commitment in '21)	2,648,598	0.4		0.0	0.0						Jan-22
JFL Equity Investors V, L.P. ($9m commitment in '20)	7,834,168	1.2		0.0	0.0	4.9				1.2	Sep-20

Importantly, all returns in this report, including those of the private markets managers, are based on a time weighted return calculation and not based on IRRs, which can result in return differences.

MWRA Employees' Retirement System

FEE SCHEDULE

Account Name	Fee Schedule	Market Value ($)	% of Portfolio	Estimated Annual Fee ($)	Estimated Annual Fee (%)
PRIT Core Fund	0.49 % of Assets	4,981,751	0.77	24,411	0.49
Rhumbline Advisors S&P 500 Index Fund	0.05 % of Assets	64,527,908	9.97	32,264	0.05
Coho Relative Value Equity	0.50 % of First $75 M 0.40 % of Next $75 M 0.35 % Thereafter	48,428,764	7.49	242,144	0.50
Polen Focused Growth	0.65 % of Assets	41,961,820	6.49	272,752	0.65
Boston Partners Small Cap Value	1.00 % of Assets	6,937	0.00	69	1.00
Loomis Sayles Small Cap Growth	0.45 % of Assets Minimum Fee: $45,000	22,264,769	3.44	100,191	0.45
SEG Baxter Street	1.00 % of Assets	30,592,708	4.73	305,927	1.00
Schroder International Alpha Trust Class 1	0.55 % of Assets	28,201,636	4.36	155,109	0.55
Baillie Gifford International Growth Fund Class K	0.60 % of Assets	14,199,804	2.20	85,199	0.60
Axiom Emerging Markets Trust Class 2	0.73 % of Assets	16,677,690	2.58	121,747	0.73
ABS Emerging Markets MA Fund	0.75 % of Assets	19,025,887	2.94	142,694	0.75
Garcia Hamilton Fixed Income Aggregate		32,776,465	5.07	40,971	0.13
Lord Abbett Core Fixed Income	0.19 % of Assets	35,374,174	5.47	67,211	0.19
Loomis Sayles Multisector Full Discretion Trust	0.50 % of First $20 M 0.40 % of Next $20 M 0.30 % Thereafter	48,280,678	7.46	204,842	0.42
Mesirow Small Cap Value Equity CIT - Founders Class	0.45 % of Assets	22,974,450	3.55	103,385	0.45
Octagon Senior Secured Credit Cayman Fund Ltd. - Class L Acc, Series 1	0.40 % of Assets	12,284,229	1.90	49,137	0.40
Invesco Mortgage Recovery Loans Feeder Fund		15,048	0.00		
PRIM Portfolio Completion Strategies		13,351,427	2.06		
Corbin Pinehurst Partners	0.85 % of Assets	12,837,620	1.98	109,120	0.85
UBS Neutral Alpha Strategies	0.90 % of Assets	14,202,250	2.20	127,820	0.90
Entrust Peru Wind Down	0.50 % of Assets	59,113	0.01	296	0.50
Cash Account		6,782,181	1.05		
Morgan Stanley Prime Property ($2.8m commitment in '95)		25,979,519	4.02		
TA Realty Core Property Fund, LP ($15m commitment in '19)		26,506,164	4.10		
Invesco Mortgage Recovery II ($3M commitment in '15)		921,638	0.14		
Landmark VI ($2m commitment in '11)		6,499	0.00		
Landmark VIII ($4m commitment in '17)		2,105,498	0.33		
StepStone Real Estate Fund II ($2m commitment in '11)		367,525	0.06		
Cerberus Institutional Real Estate Partners III ($1.5m commitment in '12)		471,529	0.07		

FEE SCHEDULE

Account Name	Fee Schedule	Market Value ($)	% of Portfolio	Estimated Annual Fee ($)	Estimated Annual Fee (%)
TA Realty Fund X LP ($3.5m commitment in '12)		3,889	0.00		
TerraCap Partners III, LP ($2.6m commitment in '15)		1,610,352	0.25		
TerraCap Partners IV, LP ($4m commitment in '17)		3,669,565	0.57		
TerraCap Partners V, LP ($8m commitment in '22)		8,845,592	1.37		
PRIM Vintage Year 2008 ($3m commitment in '08)		803,700	0.12		
PRIM Vintage Year 2009 ($1m commitment in '09)		65,241	0.01		
PRIM Vintage Year 2010 ($1m commitment in '10)		484,106	0.07		
PRIM Vintage Year 2011 ($1.5m commitment in '11)		809,525	0.13		
PRIM Vintage Year 2012 ($1m commitment in '12)		467,559	0.07		
PRIM Vintage Year 2014 ($2m commitment in '14)		2,150,940	0.33		
PRIM Vintage Year 2017 ($2m commitment in '17)		2,566,275	0.40		
PRIM Vintage Year 2020 ($5m commitment in '20)		3,797,722	0.59		
PRIM Vintage Year 2021 ($5m commitment in '21)		3,203,115	0.50		
PRIM Vintage Year 2022 ($7.5m commitment in '22)		1,159,969	0.18		
Alcentra European DLF ($5m commitment in '14)		198,882	0.03		
Ascent Fund IV-B ($1m commitment in '16)		40,322	0.01		
Ascent Fund V ($2m commitment in '08)		1,262,271	0.20		
Ascent VI ($3m commitment in '15)		3,257,757	0.50		
CVI Credit Value Fund IV A LP ($6m commitment in '17)		5,325,930	0.82		
Invesco Fund VI ($5m commitment in '13)		837,127	0.13		
Kayne Energy Fund VII ($5m commitment in '15)		2,857,362	0.44		
Foundry 2007 ($3m commitment in '07)		484,034	0.07		
Foundry 2010 ($3m commitment in '10)		5,956,413	0.92		
Foundry 2010 Annex ($0.4m commitment in '15)		1,105,234	0.17		
Pinebridge (AIG) PEP V Asia ($6m commitment in '07)		32,657	0.01		
Pinebridge (AIG) PEP V Co-Investment ($6m commitment in '07)		90,621	0.01		
Pinebridge (AIG) PEP V Europe ($6m commitment in '07)		16,190	0.00		
Pinebridge (AIG) PEP V Large Market US Buyout ($6m commitment in '07)		74,199	0.01		
Pinebridge (AIG) PEP V Preferred Participation Fund ($6m commitment in '07)		75,737	0.01		
Pinebridge (AIG) PEP V Secondary ($6m commitment in '07)		23,017	0.00		
Pinebridge (AIG) PEP V Small-Mid Market US Buyout ($6m commitment in '07)		90,000	0.01		
Pinebridge (AIG) PEP V US Venture ($6m commitment in '07)		47,358	0.01		
Landmark XV ($3m commitment in '13)		644,797	0.10		
JFL Equity Investors IV, L.P. ($6m commitment in '16)		1,752,050	0.27		

March 31, 2023

FEE SCHEDULE

Account Name	Fee Schedule	Market Value ($)	% of Portfolio	Estimated Annual Fee ($)	Estimated Annual Fee (%)
Private Advisors Small Co. Coinvestment Fund, LP ($4m commitment in '17)		4,695,956	0.73		
Park Square Credit Opportunities III ($3m commitment in ’17)		2,801,373	0.43		
Ironsides Constitution Opportunities ($3m commitment in '18)		1,701,871	0.26		
HarbourVest Dover Street X ($9m commitment in '20)		6,515,460	1.01		
Hamilton Lane Secondary Fund V LP ($9m commitment in '20)		7,553,174	1.17		
Constitution Ironsides Co-Investment Fund VI ($12m commitment in '21)		13,189,202	2.04		
JFL Equity Investors V, L.P. ($9m commitment in '20)		7,834,168	1.21		
HarbourVest Co-Investment Fund VI ($8m commitment in '21)		2,648,598	0.41		
Investment Management Fee		**646,914,988**	**100.00**	**2,185,288**	**0.33**

The estimated fee for private markets, inclusive of carried interest, is ~$3,541,145 annually, which brings the total expense ratio for privates to ~54 bps. This brings the total estimated expense ratio for MWRA to ~87 bps.

NOTES

1 - Results for periods longer than one year are annualized.

2 - Total Balances, Large Cap, Small Cap, and Other Composite performance starts 12/1/2010.

3 - Preliminary Total Composite net of fee since inception return is 6.7% for the current month.

4 - Preliminary Total Composite gross of fee since inception return is 8.2% for the current month.

5 - Targets, Allocation Index, and Policy Index have been updated to reflect new allocation of 02/01/2022.

6 - Policy Index changed from Nasdaq to Cambridge All PE to reflect as of 5/1/2012.

7 - Policy Index consists of: 24% S&P 500, 7% Russell 2000, 12% MSCI ACWI IMI, 7% MSCI Emerging Markets, 12% Bloomberg US Aggregate TR, 8% Bloomberg US Universal TR, 6% HFRI Fund of Funds Composite Index, 12% NCREIF Property Index, 12% C|A US All PE.

8 - Allocation Index consists of: Weighted index of underlying managers to their respective benchmark.

9 - All Private Market managers are final as of 12/31/22, except for all Landmark funds, StepStone II, all Invesco funds, all Foundry funds, all Pinebridge funds, JFL Equity V, Private Advisors, all HarbourVest funds, Hamilton Lane V, Ascent IV, and Constitution Ironsides VI which are final as of 9/30/22.PRIM is final as of 2/28/2023.

DISCLAIMERS & DISCLOSURES

Past performance is no guarantee of future results.

Returns for pooled funds, e.g. mutual funds and collective investment trusts, are collected from third parties; they are not generally calculated by NEPC. Returns for separate accounts, with some exceptions, are calculated by NEPC. Returns are reported net of manager fees unless otherwise noted.

A "since inception" return, if reported, begins with the first full month after funding, although actual inception dates (e.g. the middle of a month) and the timing of cash flows are taken into account in Composite return calculations.

NEPC's preferred data source is the plan's custodian bank or record-keeper. If data cannot be obtained from one of the preferred data sources, data provided by investment managers may be used. Information on market indices and security characteristics is received from additional providers. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within. In addition, some index returns displayed in this report or used in calculation of a policy index, allocation index or other custom benchmark may be preliminary and subject to change.

All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.

The opinions presented herein represent the good faith views of NEPC as of the date of this presentation and are subject to change at any time. Neither fund performance nor universe rankings contained in this report should be considered a recommendation by NEPC.

This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

Source of private fund performance benchmark data: Cambridge Associates, via Refinitiv

OPPORTUNISTIC CREDIT SEARCH REVIEW

MWRA RETIREMENT SYSTEM

APRIL 20, 2023

Sebastian Grzejka, CAIA, Partner
Kiley Fischer, Sr. Consulting Analyst

SUMMARY OF OPPORTUNISTIC CREDIT SEARCH

- **Target fund strategy**
  - Opportunistic Credit strategy
- **Advertised requirements for the search:**
  1. Candidates must have familiarity with and agree to comply (in writing) with Massachusetts G.L. Chapter 32 and Chapter 176 of the Acts of 2011. Additionally, candidates must have familiarity and agree to comply with the reporting and investment guidelines administered by PERAC.
  2. Candidates must read and agree to the attached side letter pertaining to mandatory contractual language, based on the guidelines above.
  3. Candidates must be registered with the SEC or Massachusetts Secretary of State.
  4. Preference will be given to candidates who have at least $500 million in assets in the fund that is being suggested, however, this is subject to the Board’s discretion.
  5. Preference will be given to Funds that have a live track record of at least three years, however, this is subject to the Board’s discretion
  6. Proposed strategy must have at least quarterly liquidity.
- **Responses were due on March 24, 2023 by 5:00 PM EST.**
  - A total of 15 managers responded

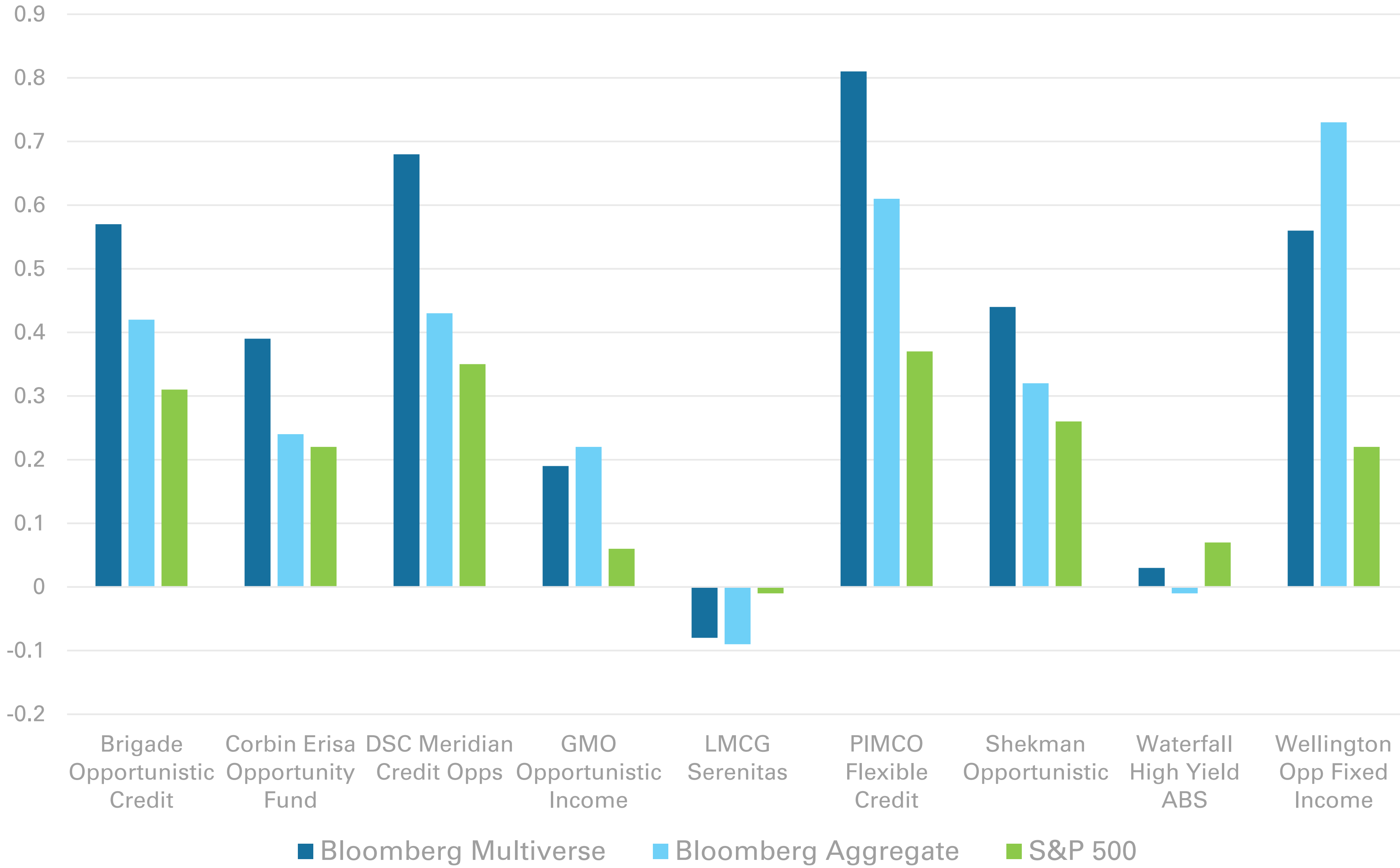
OPPORTUNISTIC CREDIT SEARCH RESPONDENTS

Firm	Fund	Vehicle	Fund AUM (MM)	Firm AUM (MM)	Track Record (Yrs)	Approach & Style	Liquidity Schedule For Contributions	Liquidity Schedule For Withdrawals	Proposed Fee Schedule	Agree to Side Letter Terms
Brigade Capital	Opportunistic Credit	CF	$ 1,883	$25,680	14	Diversified Credit	Monthly	Quarterly 60-day notice	0.70%	Yes*
Corbin Capital	ERISA Opportunity Fund	CF	$2,155	$8,214	6.5	Diversified Credit	Monthly	Quarterly	Cl. A/B: 1.25% Cl. C/D: 0.85% + 5% incentive fee	Yes*
DSC Meridian	Credit Opportunities	CF	$312	$694	4.8	Event Driven Corporate Credit	Monthly	Quarterly 1yr Soft Lock (5% penalty)	1.25% + 15% incentive fee	Yes
Grantham, Mayo, Van Otterloo	Opportunistic Income	MF	$1,057	$57,627	12	Securitized Credit Opportunities	Daily	Daily	GMOHX: 0.59%	Yes
LMCG	Serenitas Credit Gamma Fund	CF	$586	$3,786	10	Relative value corporate and mortgage credit	Monthly	Quarterly	1.5% + 20% perf. fee	Yes*
PIMCO	PIMCO Flexible Credit Income	Interval Fund	$2,724	$1.74T	6	Diversified Credit	Daily	Quarterly Only through fund offers to repurchase	2.09% Total Annual Expenses: 2.54%	Requires review*
Shenkman Capital	Opportunistic Credit Strategy	CF	$547	$28,842	5	Diversified Credit	Monthly	Quarterly	100 bps	Yes*
Waterfall	Waterfall Eden Fund	CF	$2,150	$11,600	18	Asset-Backed Credit	Monthly	Quarterly	1.5% + 17% Incentive Fee	Yes*
Wellington	Opportunistic Fixed Income	CF	$ 5,732	$1,1T	23	Diversified Credit	Daily	Daily	0.50% first $100M, 0.45% thereafter	Yes*

Yes* = Yes with Modifications

MANAGER REVIEWS

BETA COMPARISON – SINCE EACH STRATEGY INCEPTION



CORRELATION COMPARISON

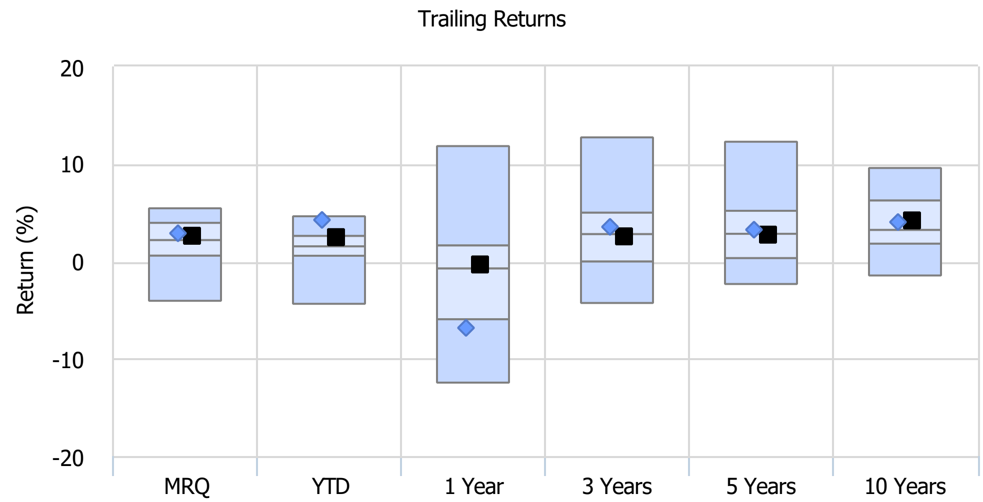
JUNE 2018 – JANUARY 2023*

	Brigade Opportunistic Credit	Corbin ERISA Opportunity Fund	DSC Meridian Credit Opportunities Master Fund LP	GMO Opportunistic Income Strategy	Serenitas Credit Gamma Master Fund	PIMCO Flexible Credit Income	Shenkman Capital Opportunistic Credit Fund	Waterfall Eden Fund (High Yield ABS)	Opportunistic Fixed Income	Bloomberg Multiverse	Bloomberg US Aggregate	HFN Fixed Income (non-arbitrage) Index	S&P 500
Brigade Opportunistic Credit	1.0												
Corbin ERISA Opportunity Fund	0.9	1.0											
DSC Meridian Credit Opportunities Master Fund LP	0.9	0.8	1.0										
GMO Opportunistic Income Strategy	0.8	0.8	0.6	1.0									
Serenitas Credit Gamma Master Fund	0.0	0.1	0.1	0.1	1.0								
PIMCO Flexible Credit Income	1.0	0.9	0.8	0.9	-0.1	1.0							
Shenkman Capital Opportunistic Credit Fund	0.9	0.8	0.8	0.7	0.1	0.9	1.0						
Waterfall Eden Fund (High Yield ABS)	0.8	0.8	0.6	0.8	-0.1	0.8	0.6	1.0					
Opportunistic Fixed Income	0.8	0.7	0.7	0.8	0.0	0.8	0.8	0.5	1.0				
Bloomberg Multiverse	0.4	0.4	0.4	0.5	-0.1	0.5	0.4	0.2	0.8	1.0			
Bloomberg US Aggregate	0.2	0.2	0.2	0.4	-0.1	0.3	0.2	0.0	0.7	0.9	1.0		
HFN Fixed Income (non-arbitrage) Index	1.0	0.9	0.8	0.9	0.0	1.0	0.8	0.9	0.8	0.4	0.3	1.0	
S&P 500	0.7	0.5	0.7	0.4	-0.2	0.6	0.7	0.3	0.7	0.5	0.4	0.6	1.0

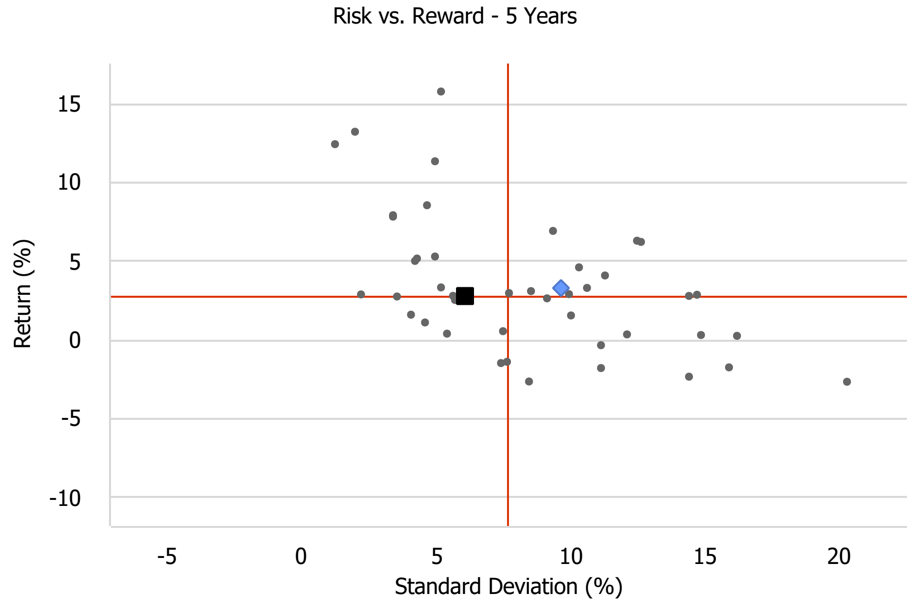
*Analysis based on Common time period, which is since inception of DSC Meridian

Brigade Capital Management, LP
Brigade Opportunistic Credit

Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	03/01/2009	Standard Deviation 5 Years	9.70
Primary Equity Style Emphasis	---	Tracking Error 5 Years	4.37
Primary Investment Approach	Fundamental	Annualized Alpha 5 Years	-0.70
Default Reporting Method	Gross of Fees	Beta 5 Years	1.52
Total AUM	---	Sharpe Ratio 5 Years	0.19
Total AUM	$25,662.27	Information Ratio 5 Years	0.12
		Upside Market Capture 5 Years	156.50
		Downside Market Capture 5 Years	163.52
		Max Drawdown 5 Years	17.74



	Brigade Opportunistic Credit	HFN Fixed Income (non-arbitrage) Index
Returns Month	0.7	0.5
Returns YTD	4.2	2.5
Returns 1 Year	-6.8	-0.3
Returns 3 Years	3.5	2.6
Returns 5 Years	3.2	2.7
Returns 10 Years	4.0	4.2



	RM	Return (%)	Standard Deviation (%)
Brigade Opportunistic Credit	NF	3.24	9.70
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

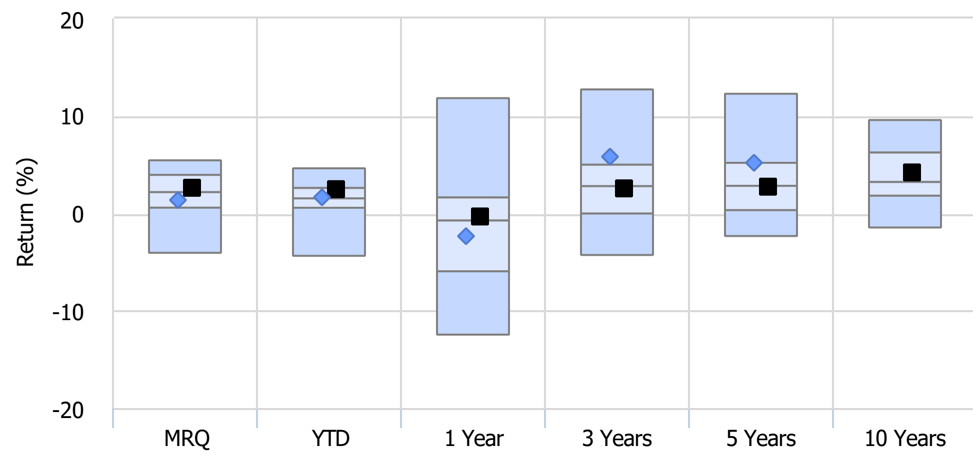
Calendar Year Returns

Product Name	Brigade Opportunistic Credit	HFN Fixed Income (non-arbitrage) Index
Returns 2016	22.6	8.1
Returns 2017	6.7	4.3
Returns 2018	-1.3	0.1
Returns 2019	9.7	6.3
Returns 2020	4.7	2.5
Returns 2021	13.2	6.6
Returns 2022	-11.3	-3.2

Corbin Capital Partners, L.P.
Corbin ERISA Opportunity Fund

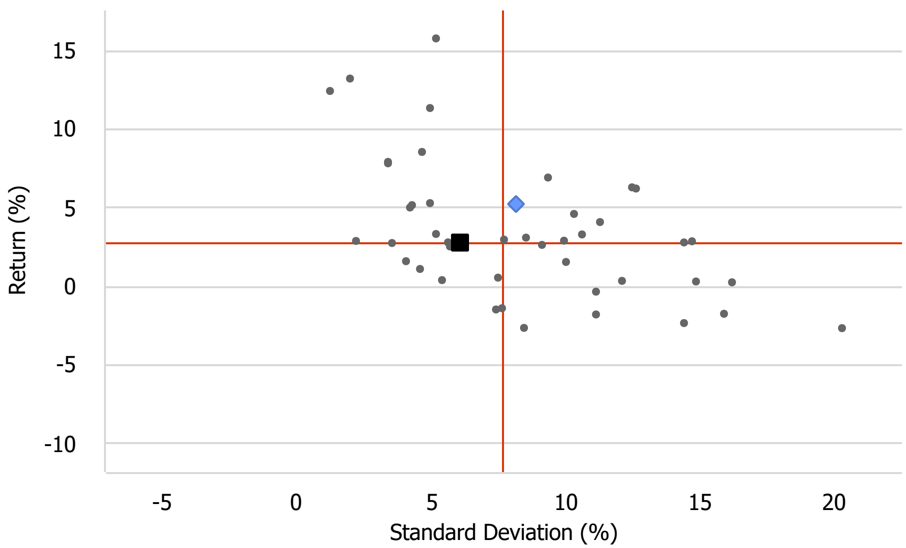
Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	07/01/2016	Standard Deviation 5 Years	8.17
Primary Equity Style Emphasis	Multi Strategy	Tracking Error 5 Years	3.54
Primary Investment Approach	Combined	Annualized Alpha 5 Years	1.86
Default Reporting Method	Net of Fees	Beta 5 Years	1.23
Total AUM	---	Sharpe Ratio 5 Years	0.47
Total AUM	---	Information Ratio 5 Years	0.69
		Upside Market Capture 5 Years	146.25
		Downside Market Capture 5 Years	113.82
		Max Drawdown 5 Years	14.10

Trailing Returns



	Corbin ERISA Opportunity Fund	HFN Fixed Income (non-arbitrage) In
Returns Month	0.0	0.5
Returns YTD	1.6	2.5
Returns 1 Year	-2.4	-0.3
Returns 3 Years	5.8	2.6
Returns 5 Years	5.2	2.7
Returns 10 Years	---	4.2

Risk vs. Reward - 5 Years



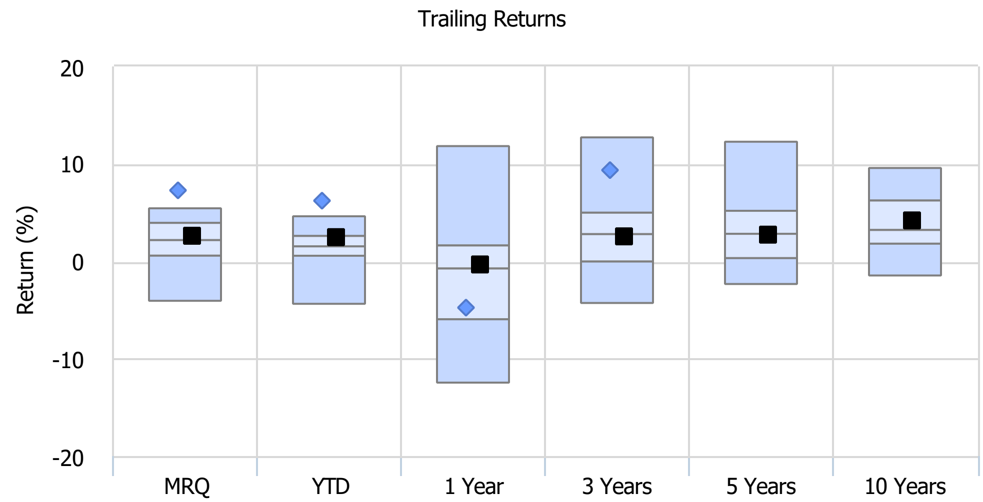
	RM	Return (%)	Standard Deviation (%)
Corbin ERISA Opportunity Fund	NF	5.18	8.17
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

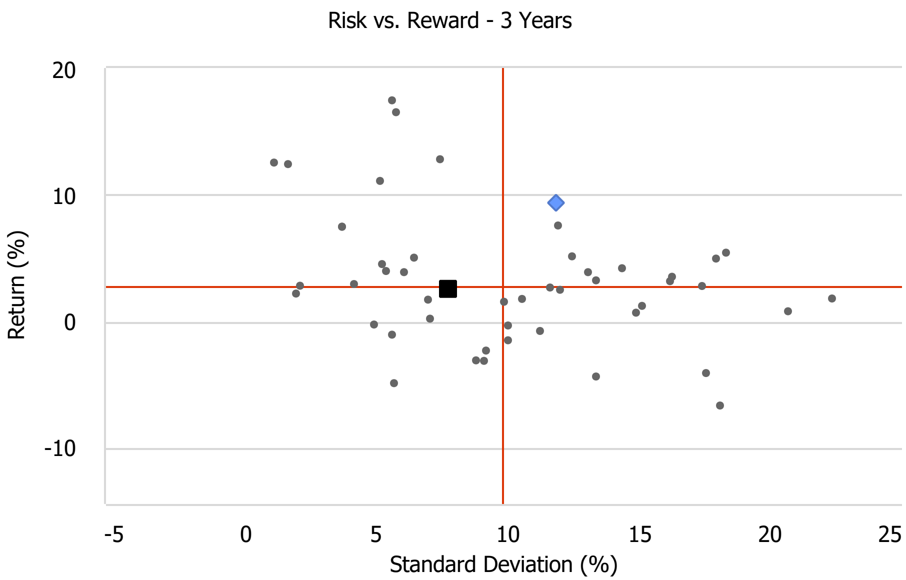
Calendar Year Returns

Product Name	Corbin ERISA Opportunity Fund	HFN Fixed Income (non-arbitrage) Index
Returns 2016	---	8.1
Returns 2017	8.2	4.3
Returns 2018	4.6	0.1
Returns 2019	5.1	6.3
Returns 2020	8.6	2.5
Returns 2021	12.4	6.6
Returns 2022	-4.6	-3.2

DSC Meridian Capital
DSC Meridian Credit Opportunities Master Fund LP

Product Characteristics		Risk (3-Yrs.)	
Product Inception Date	06/01/2018	Standard Deviation 3 Years	11.85
Primary Equity Style Emphasis	Multi Strategy	Tracking Error 3 Years	7.00
Primary Investment Approach	Discretionary	Annualized Alpha 3 Years	6.27
Default Reporting Method	Net of Fees	Beta 3 Years	1.26
Total AUM	$311.53	Sharpe Ratio 3 Years	0.72
Total AUM	$689.11	Information Ratio 3 Years	0.97
		Upside Market Capture 3 Years	210.92
		Downside Market Capture 3 Years	129.38
		Max Drawdown 3 Years	13.89





	RM	Return (%)	Standard Deviation (%)
DSC Meridian Credit Opportunities Master Fund LP	NF	9.35	11.85
HFN Fixed Income (non-arbitrage) Index	IX	2.55	7.74
Multi-Strategy Credit	---	2.78	9.85

	DSC Meridian Credit Opportunities Master Fund LP	HFN Fixed Income (non-arbitrage) Index
Returns Month	1.4	0.5
Returns YTD	6.2	2.5
Returns 1 Year	-4.8	-0.3
Returns 3 Years	9.4	2.6
Returns 5 Years	---	2.7
Returns 10 Years	---	4.2

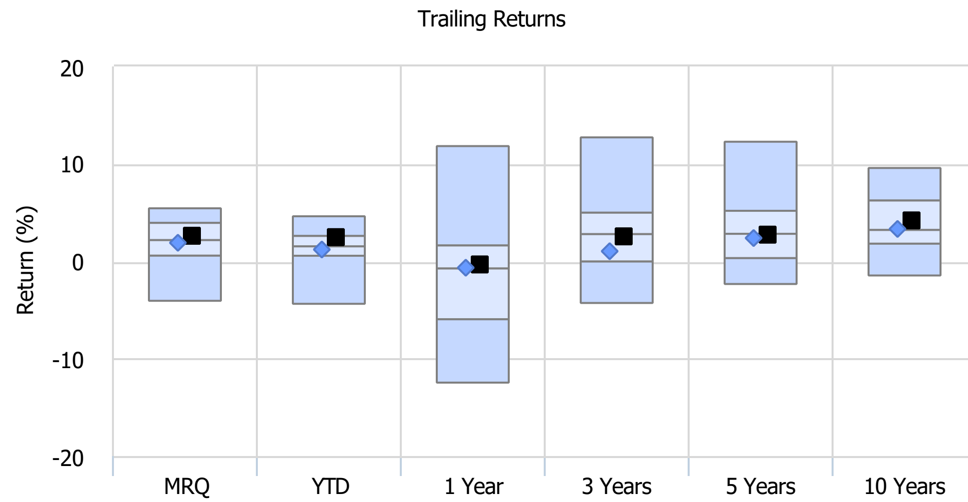
Calendar Year Returns

Product Name	DSC Meridian Credit Opportunities Master Fund LP	HFN Fixed Income (non-arbitrage) Index
Returns 2016	---	8.1
Returns 2017	---	4.3
Returns 2018	---	0.1
Returns 2019	5.1	6.3
Returns 2020	12.3	2.5
Returns 2021	19.7	6.6
Returns 2022	-9.2	-3.2

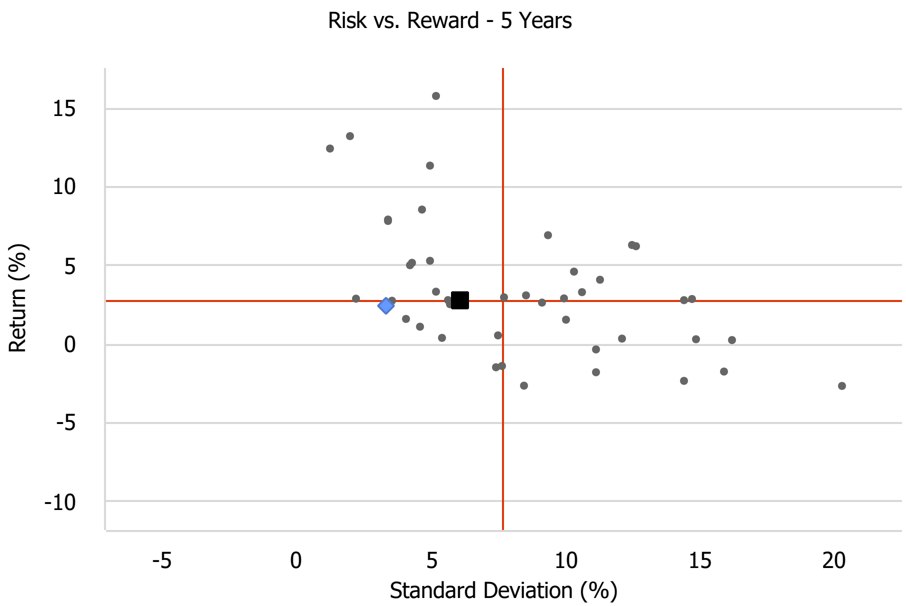
Grantham, Mayo, Van Otterloo & Co. LLC

GMO Opportunistic Income Strategy

Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	10/03/2011	Standard Deviation 5 Years	3.34
Primary Equity Style Emphasis	---	Tracking Error 5 Years	3.58
Primary Investment Approach	Fundamental	Annualized Alpha 5 Years	1.04
Default Reporting Method	Gross of Fees	Beta 5 Years	0.48
Total AUM	---	Sharpe Ratio 5 Years	0.31
Total AUM	---	Information Ratio 5 Years	-0.10
		Upside Market Capture 5 Years	46.99
		Downside Market Capture 5 Years	24.97
		Max Drawdown 5 Years	5.82



	GMO Opportunistic Income Strategy	HFN Fixed Income (non-arbitrag
Returns Month	-0.2	0.5
Returns YTD	1.2	2.5
Returns 1 Year	-0.7	-0.3
Returns 3 Years	1.0	2.6
Returns 5 Years	2.4	2.7
Returns 10 Years	3.3	4.2



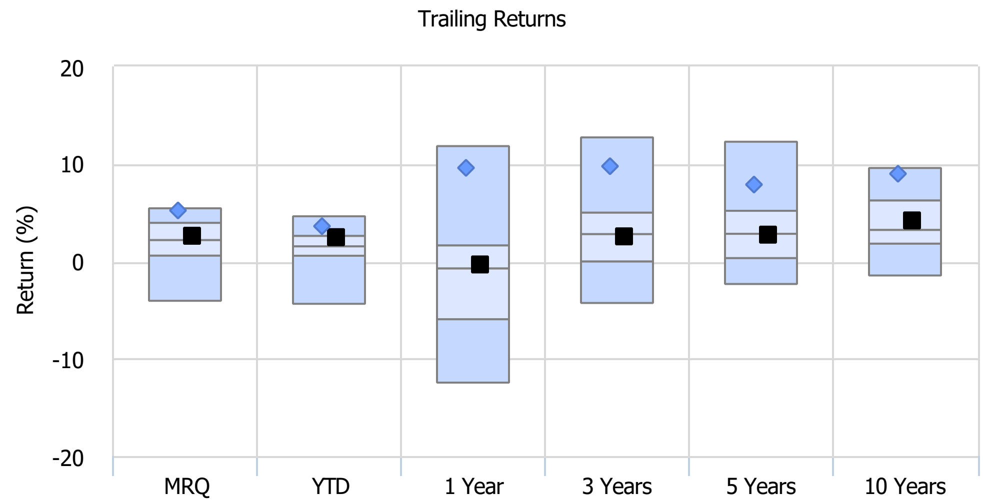
	RM	Return (%)	Standard Deviation (%)
GMO Opportunistic Income Strategy	NF	2.38	3.34
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

Calendar Year Returns

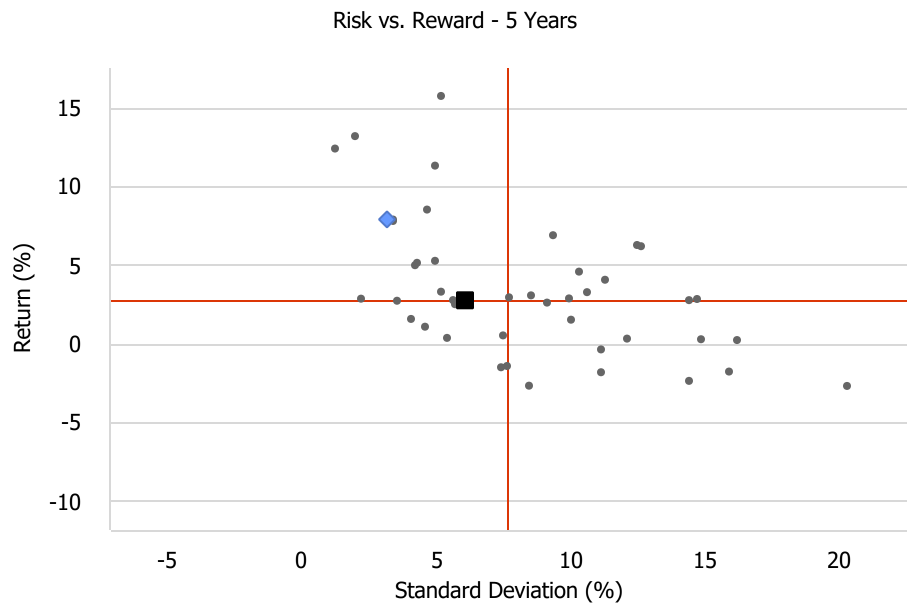
Product Name	GMO Opportunistic Income Strategy	HFN Fixed Income (non-arbitrage) In
Returns 2016	5.0	8.1
Returns 2017	6.3	4.3
Returns 2018	3.9	0.1
Returns 2019	3.8	6.3
Returns 2020	3.2	2.5
Returns 2021	2.8	6.6
Returns 2022	-2.2	-3.2

Serenitas Credit Gamma Master Fund

Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	01/15/2013	Standard Deviation 5 Years	3.21
Primary Equity Style Emphasis	Structured Credit-Market Neutral	Tracking Error 5 Years	6.87
		Annualized Alpha 5 Years	7.93
Primary Investment Approach	Discretionary	Beta 5 Years	0.00
		Sharpe Ratio 5 Years	2.03
Default Reporting Method	Net of Fees	Information Ratio 5 Years	0.75
Total AUM	$629.00	Upside Market Capture 5 Years	90.13
Total AUM	$3,900.00	Downside Market Capture 5 Years	-33.97
		Max Drawdown 5 Years	1.74



	Serenitas Credit Gamma Master Fund	HFN Fixed Income (non-arbitra
Returns Month	1.4	0.5
Returns YTD	3.6	2.5
Returns 1 Year	9.6	-0.3
Returns 3 Years	9.8	2.6
Returns 5 Years	7.9	2.7
Returns 10 Years	9.0	4.2



	RM	Return (%)	Standard Deviation (%)
Serenitas Credit Gamma Master Fund	NF	7.87	3.21
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

Calendar Year Returns

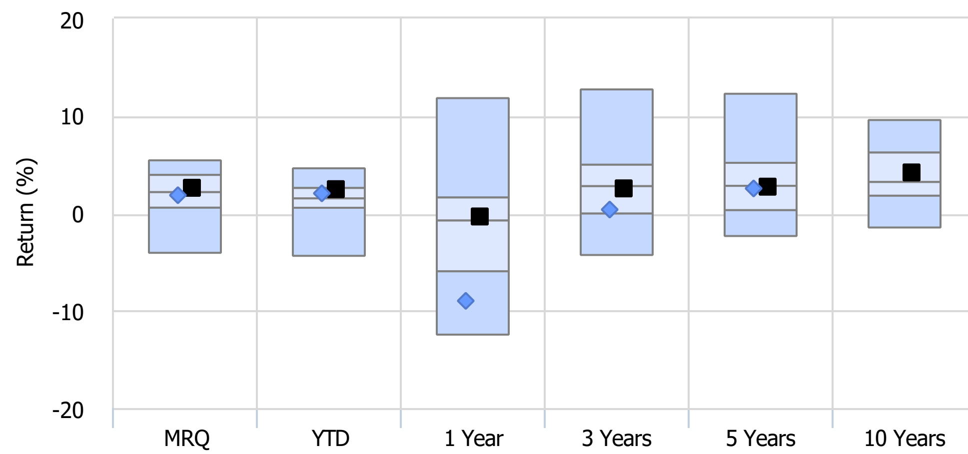
Product Name	Serenitas Credit Gamma Master Fund	HFN Fixed Income (non-arbitrage) I
Returns 2016	8.0	8.1
Returns 2017	14.8	4.3
Returns 2018	10.5	0.1
Returns 2019	1.6	6.3
Returns 2020	16.8	2.5
Returns 2021	2.6	6.6
Returns 2022	7.4	-3.2

PIMCO

PIMCO Flexible Credit Income

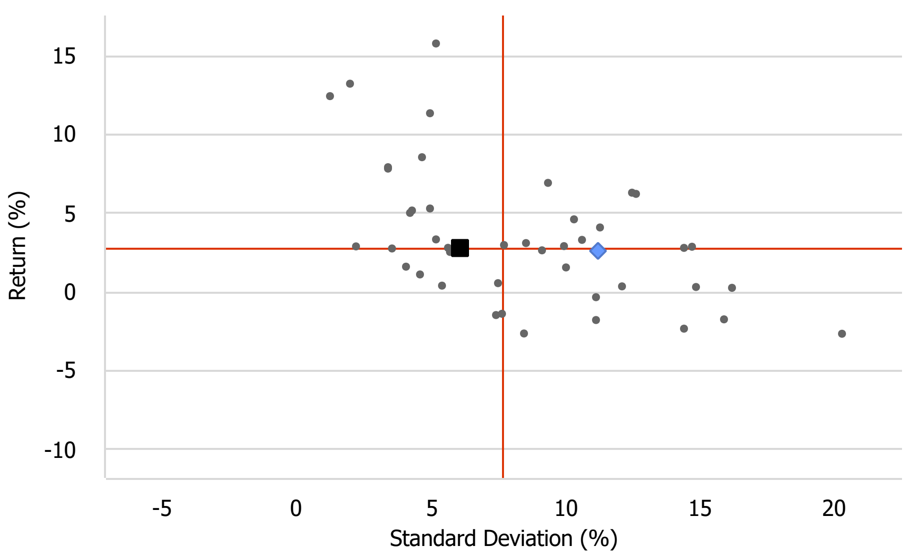
Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	02/22/2017	Standard Deviation 5 Years	11.22
Primary Equity Style Emphasis	---	Tracking Error 5 Years	5.61
Primary Investment Approach	Discretionary	Annualized Alpha 5 Years	-1.93
Default Reporting Method	Net of Fees	Beta 5 Years	1.78
Total AUM	$2,794.44	Sharpe Ratio 5 Years	0.11
Total AUM	---	Information Ratio 5 Years	-0.03
		Upside Market Capture 5 Years	156.49
		Downside Market Capture 5 Years	175.85
		Max Drawdown 5 Years	20.25

Trailing Returns



	PIMCO Flexible Credit Income	HFN Fixed Income (non-arbitrage) Inde
Returns Month	-0.8	0.5
Returns YTD	2.0	2.5
Returns 1 Year	-9.0	-0.3
Returns 3 Years	0.4	2.6
Returns 5 Years	2.5	2.7
Returns 10 Years	---	4.2

Risk vs. Reward - 5 Years



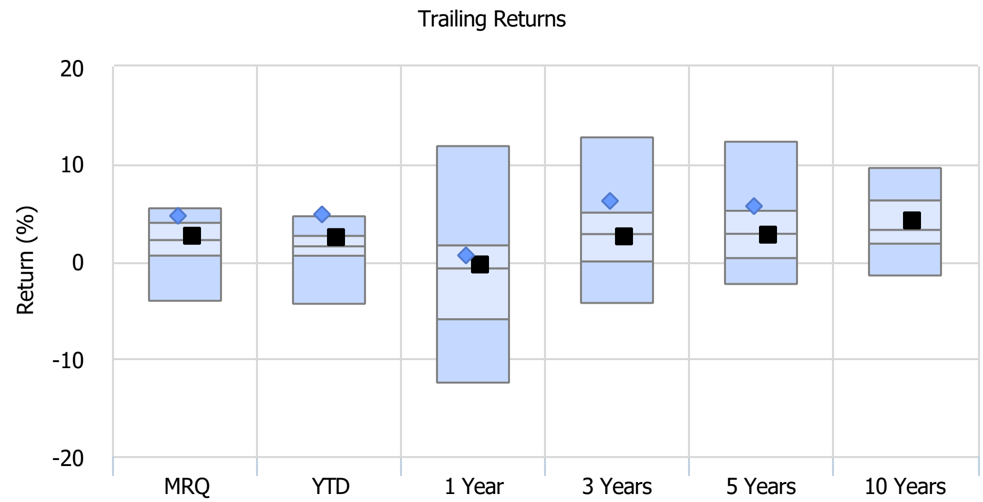
	RM	Return (%)	Standard Deviation (%)
PIMCO Flexible Credit Income	NF	2.55	11.22
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

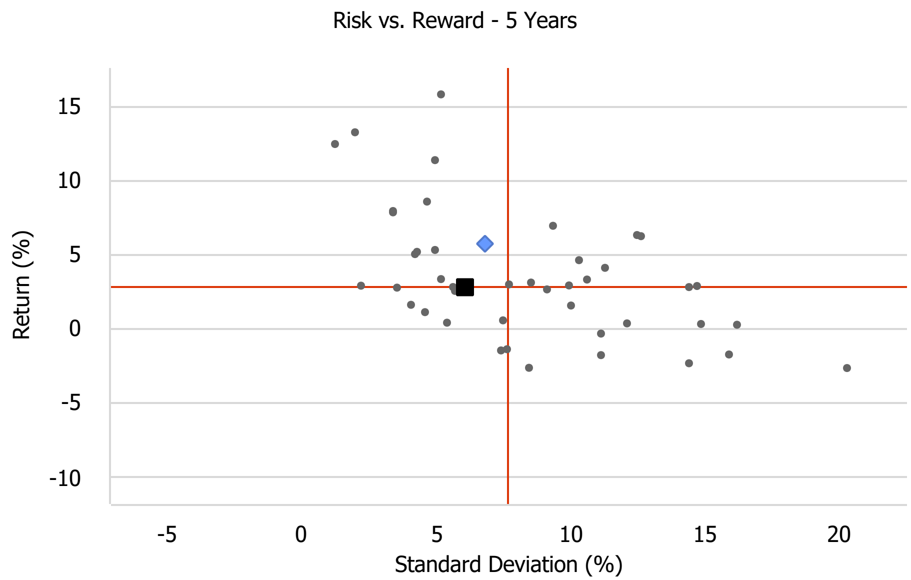
Calendar Year Returns

Product Name	PIMCO Flexible Credit Income	HFN Fixed Income (non-arbitrage) Index
Returns 2016	---	8.1
Returns 2017	---	4.3
Returns 2018	2.7	0.1
Returns 2019	10.5	6.3
Returns 2020	3.9	2.5
Returns 2021	11.2	6.6
Returns 2022	-13.7	-3.2

Shenkman Capital Management, Inc.
Shenkman Capital Opportunistic Credit Fund

Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	03/01/2018	Standard Deviation 5 Years	6.88
Primary Equity Style Emphasis	Multi Strategy	Tracking Error 5 Years	3.69
Primary Investment Approach	Discretionary	Annualized Alpha 5 Years	3.03
Default Reporting Method	Net of Fees	Beta 5 Years	0.96
Total AUM	---	Sharpe Ratio 5 Years	0.63
Total AUM	---	Information Ratio 5 Years	0.79
		Upside Market Capture 5 Years	157.47
		Downside Market Capture 5 Years	119.23
		Max Drawdown 5 Years	9.10





	Shenkman Capital Opportunistic Credit Fund	HFN Fixed Income (non-
Returns Month	1.5	0.5
Returns YTD	4.8	2.5
Returns 1 Year	0.6	-0.3
Returns 3 Years	6.2	2.6
Returns 5 Years	5.7	2.7
Returns 10 Years	---	4.2

	RM	Return (%)	Standard Deviation (%)
Shenkman Capital Opportunistic Credit Fund	NF	5.66	6.88
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

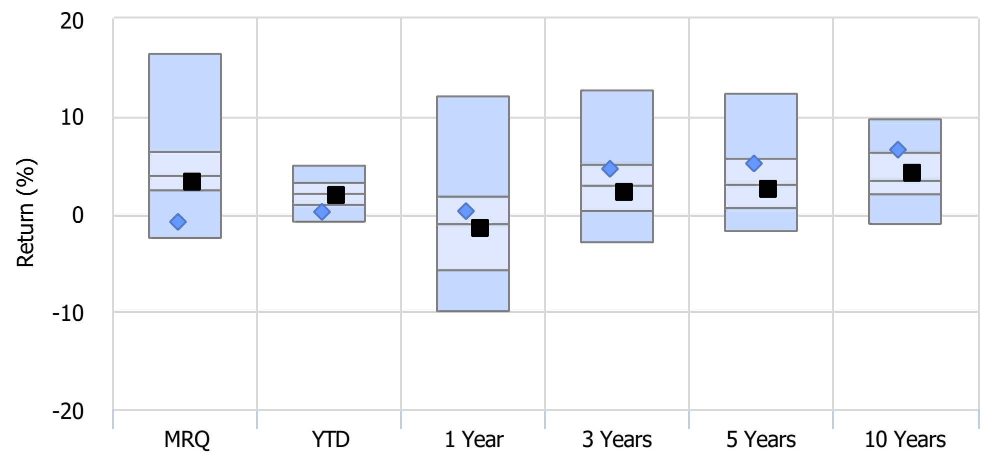
Calendar Year Returns

Product Name	Shenkman Capital Opportunistic Credit Fund	HFN Fixed Income (non-arbit
Returns 2016	---	8.1
Returns 2017	---	4.3
Returns 2018	---	0.1
Returns 2019	11.1	6.3
Returns 2020	12.5	2.5
Returns 2021	7.1	6.6
Returns 2022	-5.1	-3.2

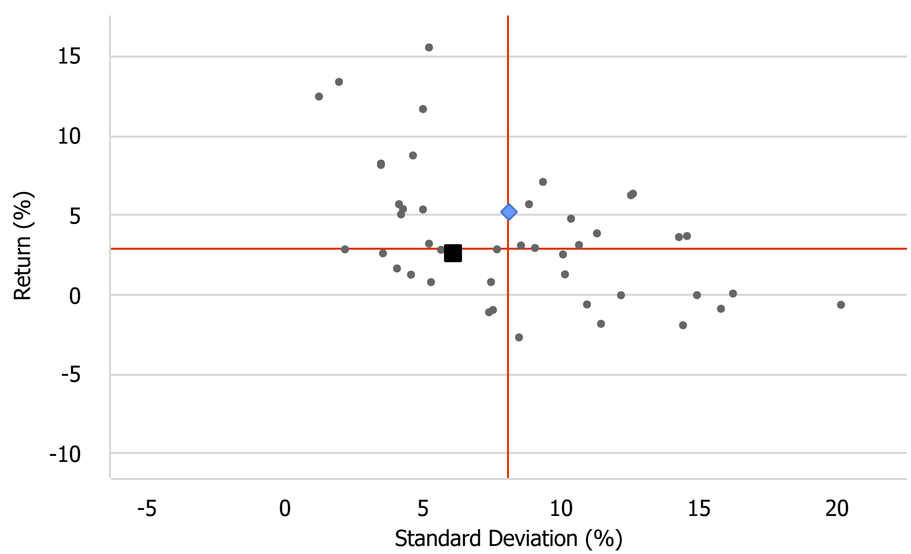
Waterfall Asset Management, LLC
Waterfall Eden Fund (High Yield ABS)

Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	09/01/2005	Standard Deviation 5 Years	8.14
Primary Equity Style Emphasis	Structured Credit	Tracking Error 5 Years	3.98
Primary Investment Approach	Combined	Annualized Alpha 5 Years	2.20
Default Reporting Method	Net of Fees	Beta 5 Years	1.18
Total AUM	---	Sharpe Ratio 5 Years	0.47
Total AUM	---	Information Ratio 5 Years	0.65
		Upside Market Capture 5 Years	112.92
		Downside Market Capture 5 Years	63.68
		Max Drawdown 5 Years	16.31

Trailing Returns



Risk vs. Reward - 3 Years



	RM	Return (%)	Standard Deviation (%)
Waterfall Eden Fund (High Yield ABS)	NF	5.15	8.14
HFN Fixed Income (non-arbitrage) Index	IX	2.56	6.08
Multi-Strategy Credit	---	2.96	8.10

	Waterfall Eden Fund (High Yield ABS)	HFN Fixed Income (non-arbitrage) Index
Returns Month	0.2	1.9
Returns YTD	0.2	1.9
Returns 1 Year	0.3	-1.4
Returns 3 Years	4.6	2.2
Returns 5 Years	5.1	2.6
Returns 10 Years	6.6	4.2

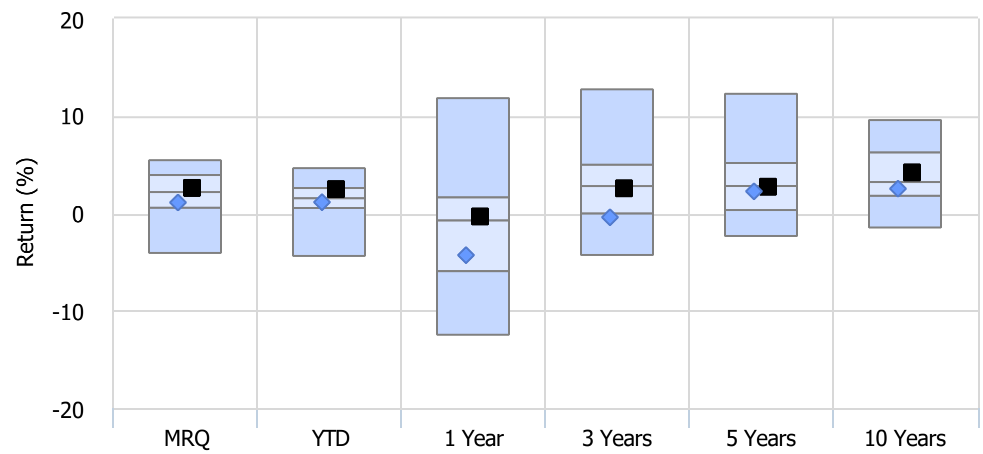
Calendar Year Returns

Product Name	Waterfall Eden Fund (High Yield ABS)	HFN Fixed Income (non-arbitrage) Index
Returns 2016	6.6	8.1
Returns 2017	11.2	4.3
Returns 2018	7.0	0.1
Returns 2019	5.8	6.3
Returns 2020	-4.0	2.5
Returns 2021	17.8	6.6
Returns 2022	1.5	-3.2

Wellington Management Company LLP
Opportunistic Fixed Income

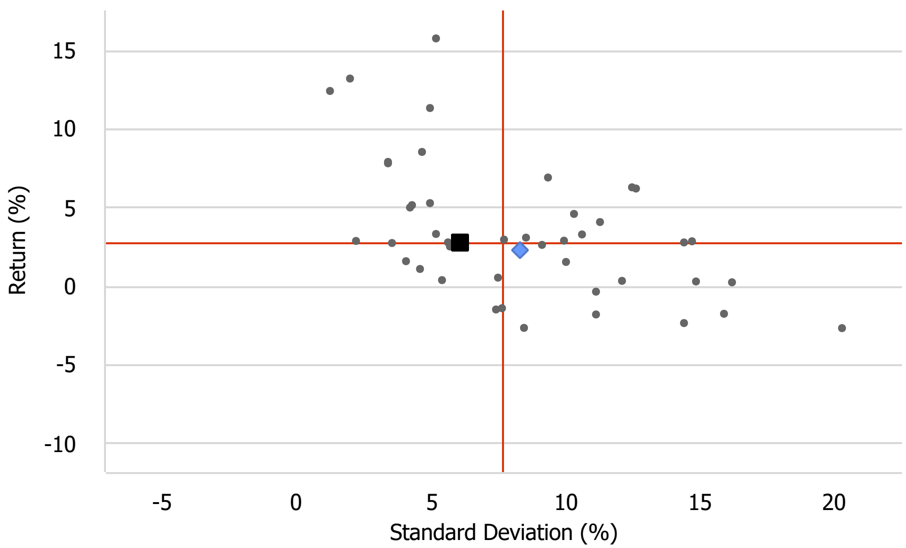
Product Characteristics		Risk (5-Yrs.)	
Product Inception Date	02/29/2000	Standard Deviation 5 Years	8.34
Primary Equity Style Emphasis	---	Tracking Error 5 Years	5.36
Primary Investment Approach	Fundamental	Annualized Alpha 5 Years	-0.47
Default Reporting Method	Gross of Fees	Beta 5 Years	1.05
Total AUM	---	Sharpe Ratio 5 Years	0.11
Total AUM	---	Information Ratio 5 Years	-0.09
		Upside Market Capture 5 Years	100.60
		Downside Market Capture 5 Years	110.78
		Max Drawdown 5 Years	16.72

Trailing Returns



	Opportunistic Fixed Income	HFN Fixed Income (non-arbitrage) Index
Returns Month	-2.8	0.5
Returns YTD	1.1	2.5
Returns 1 Year	-4.3	-0.3
Returns 3 Years	-0.4	2.6
Returns 5 Years	2.2	2.7
Returns 10 Years	2.5	4.2

Risk vs. Reward - 5 Years



	RM	Return (%)	Standard Deviation (%)
Opportunistic Fixed Income	NF	2.25	8.34
HFN Fixed Income (non-arbitrage) Index	IX	2.73	6.07
Multi-Strategy Credit	---	2.81	7.71

Calendar Year Returns

Product Name	Opportunistic Fixed Income	HFN Fixed Income (non-arbitrage) Index
Returns 2016	7.6	8.1
Returns 2017	5.7	4.3
Returns 2018	0.6	0.1
Returns 2019	10.5	6.3
Returns 2020	10.6	2.5
Returns 2021	-0.7	6.6
Returns 2022	-10.4	-3.2

APPENDIX

RESPONDENTS NOT INCLUDED IN REVIEW

Firm	Fund	Vehicle	Fund AUM (MM)	Firm AUM (MM)	Track Record (Yrs)	Approach & Style	Liquidity Schedule For Contributions	Liquidity Schedule For Withdrawals	Proposed Fee Schedule	Agree to Side Letter Terms
ACRES Capital	ACRES Mortgage Fund	CF	$748.5	$3,437	3	Commercial Real Estate Loans	Monthly	Quarterly	Mgmt Fee: 2.0% Service Fee: 0.15%	Yes
Angelo Gordon	AG Mortgage Value Partners	CF	$2,600	$53,000	13.8	Residential and Consumer Debt Securities	Monthly	Quarterly On 1/31, 3/31, 6/30, 9/30	Mgmt Fee: 1.50% Incentive Fee: 20%	Yes*
Astra	Astra Specialist Credit Investments	CF	$ 157	$438	10	Structured and Credit Opportunities	Not Provided	Any Redemption Day (90-day notice)	0.125% of NAV (before deducting mgmt fee & accrued Perf. Fee)	Yes
Constitution Capital	Ironsides Opportunities Fund II	CF	$133	$4,913	0.8	Draw Down Strategy	~66.7%- 80% called in first 2 years	N/A	1.5% on invested; 20% incentive fee	Yes*
Palisade Capital	Short Duration Convertible Bonds	SMA	$163	$4,160	7	Short Duration Convertible Bonds	N/A	N/A	First $50M: 0.70%, Next $50M: 0.65%, Thereafter: 0.55%	Yes
Prime Meridian	PM Special Opportunities	CF	$92.6	$230.3	4.5	Specialized Credit (Insurance linked, royalties)	Monthly	Quarterly	1% + 20% Performance Fee	Yes

Yes* = Yes with Modifications

NEPC DISCLOSURES

Past performance is no guarantee of future results.

All investments carry some level of risk. Diversification and other asset allocation techniques do not ensure profit or protect against losses.

Some of the information presented herein has been obtained from external sources NEPC believes to be reliable. While NEPC has exercised reasonable professional care in preparing this content, we cannot guarantee the accuracy of all source information contained within.

The opinions presented herein represent the good faith views of NEPC as of the publication date and are subject to change at any time.

This presentation contains summary information regarding the investment management approaches described herein but is not a complete description of the investment objectives, portfolio management and research that supports these approaches. This analysis does not constitute a recommendation to implement any of the aforementioned approaches.

MWRA Employees' Retirement System

Asset Allocation Rebalance Summary

April 17, 2023

	Market Value	Weight in Fund	Target Weight	Recommendation	New Market Value	New Weight
Composite	**$648,381,598**	**100.0%**	**100.0%**	**$0**	**$648,381,598**	**100.0%**
Total Balanced	**$4,981,751**	**0.8%**	**0.0%**	**$0**	**$4,981,751**	**0.8%**
PRIT Core Fund	$4,981,751	0.8%	0.0%	$0	$4,981,751	0.8%
Total Domestic Equity	**$201,444,668**	**31.1%**	**31.0%**	**$0**	**$201,444,668**	**31.1%**
Rhumbline Advisors S&P 500 Index Fund	$64,979,603	10.0%	10.0%	$0	$64,979,603	10.0%
Coho Relative Value	$49,019,592	7.6%	7.0%	$0	$49,019,592	7.6%
Polen Focused Growth	$41,971,439	6.5%	7.0%	$0	$41,971,439	6.5%
Mesirow Smcall Cap Value	$22,981,387	3.5%	3.5%	$0	$22,981,387	3.5%
Loomis Sayles Small Cap Growth	$22,492,647	3.5%	3.5%	$0	$22,492,647	3.5%
Total International Equity	**$110,510,268**	**17.0%**	**19.0%**	**$0**	**$110,510,268**	**17.0%**
SEG - Baxter Street Fund	$30,592,708	4.7%	5.0%	$0	$30,592,708	4.7%
Schroders International Alpha	$28,585,178	4.4%	4.0%	$0	$28,585,178	4.4%
Baillie Gifford	$14,128,805	2.2%	3.0%	$0	$14,128,805	2.2%
Axiom Emerging Markets	$18,177,690	2.8%	3.5%	$0	$18,177,690	2.8%
ABS Emering Markets Strategic Portfolio	$19,025,887	2.9%	3.5%	$0	$19,025,887	2.9%
Total Equity	**$311,954,936**	**48.1%**	**50.0%**	**$0**	**$311,954,936**	**48.1%**
Total Fixed Income	**$125,241,635**	**19.3%**	**20.0%**	**-$3,000,000**	**$122,241,635**	**18.9%**
Garcia Hamilton	$32,635,893	5.0%	6.0%	$0	$32,635,893	5.0%
Lord Abbett	$35,151,317	5.4%	6.0%	$0	$35,151,317	5.4%
Loomis Sayles Multi Sector Bonds	$48,155,148	7.4%	7.0%	-$3,000,000	$45,155,148	7.0%
Octagon Senior Secured Loans	$9,284,229	1.4%	1.0%	$0	$9,284,229	1.4%
Invesco Mortgage Recovery	$15,048	0.0%	0.0%	$0	$15,048	0.0%
Total Hedge Fund	**$40,450,410**	**6.2%**	**6.0%**	**$0**	**$40,450,410**	**6.2%**
PRIM Absolute Return Fund	$13,351,427	2.1%		$0	$13,351,427	2.1%
Corbin Pinehurst Partners	$12,837,620	2.0%		$0	$12,837,620	2.0%
UBS Neutral Alpha Strategies	$14,202,250	2.2%		$0	$14,202,250	2.2%
Entrust Peru Winddown	$59,113	0.0%		$0	$59,113	0.0%
Total Real Estate	**$70,487,769**	**10.9%**	**12.0%**	**$0**	**$70,487,769**	**10.9%**
TA Realty Core	$26,506,167	4.1%		$0	$26,506,167	4.1%
Morgan Stanley PPF	$25,979,519	4.0%		$0	$25,979,519	4.0%
Total Private Equity	**$86,619,909**	**13.4%**	**12.0%**	**$0**	**$86,619,909**	**13.4%**
Cash	**$8,645,188**	**1.3%**	**0.0%**	**$3,000,000**	**$11,645,188**	**1.8%**
Peoples United Cash	$8,645,188	1.3%	0.0%	$3,000,000	$11,645,188	1.8%

NEPC, LLC

Firm: J.F. Lehman & Company ("JFLCO", the "Firm" or the "Management Company")

Strategy/Product: JFL Equity Investors VI, L.P. ("Fund VI" or "the Fund")

Client: MWRA Employees' Retirement System

The following is as of December 31, 2022, unless otherwise noted.

NEPC Manager Due Diligence Questionnaire - Update

Instructions

In support of our upcoming meeting we ask that you please complete this due diligence questionnaire. Please provide your responses in the form of brief descriptions, lists or tables added directly to this Word document.

Thank you for taking the time to complete this questionnaire. Please note that all materials submitted in relation to MWRA Retirement System may be subject to disclosure consistent with Massachusetts Public Record laws.

Firm/Organization

1. Have there been any changes in ownership or management in the past year?

   Since inception, JFLCO has operated successfully as a consensus-driven organization led by no less than three partners; in addition, the firm has a demonstrated track record of transitioning leadership roles and providing pathways for emerging talent. Most recently, pursuant to a succession framework developed in 2015 and executed over the course of Fund IV, Dr. Lehman scaled back his day-to-day management responsibilities and economic ownership of the management company, formally transitioning them to Messrs. Mintz, Brooks and Harman. Dr. Lehman remains an investor in JFLCO-sponsored funds and continues to serve as Chairman, providing his deep sector experience, knowledge and network of relationships. Further augmentation of the leadership group began with the promotion of Mr. Shor to Partner in 2018. Mr. Shor is in the process of being formally transitioned into the ownership structure.

2. List firm AUM, net flows and accounts gained/lost for the past 5 years.

   As of December 31, 2022, the firm AUM is $4.2 billion.

3. Have there been any new or discontinued products in the past year?

   Not Applicable.

4. Are any products capacity constrained?

   No. The Partners believe JFLCO is well-positioned to successfully deploy the target capitalization for Fund VI given (i) investment activity evidenced by the deployment pacing of both its 2016- and 2020-vintage vehicles, JFL Equity Investors IV, L.P. ("Fund IV") and JFL Equity Investors V, L.P. ("Fund V"), (ii) a strong and active current pipeline, (iii) the large and dynamic markets targeted by JFLCO, and (iv) substantial investments to augment the Investment Team and other organizational infrastructure in recent years. The Partners also believe the firm's brand equity developed over decades of demonstrated performance as sector-focused specialists further enhances Fund VI's prospects for success.

   The target capitalization of Fund VI is largely based on the firm's recent investment activity and deployment pacing, including the initial investment period of Fund V. From 2017 through 2022, JFLCO deployed approximately $1.6 billion of fund capital across 15 platform investments and 24 add-ons – averaging nearly seven acquisitions per annum and approximately $300 million of fund capital per year.[1] The robust deployment pacing of Fund V – notwithstanding the backdrop of the global COVID-19 pandemic – also illustrates the strength of the firm's opportunity pipeline, which the Partners believe will produce a diverse portfolio of 10-12 investments for Fund VI within a typical five-year commitment period.

   Concurrent with this strong deployment activity, the firm has also demonstrated its ability to oversee and drive value creation across an active portfolio that typically includes 12-15 companies at any given time. The firm's exit activity in 2021 (together with additional exits in process) is expected to leave JFLCO with sufficient capacity to manage the companies that will be acquired by Fund VI.

   Perhaps most importantly, increased operational tempo in recent years has coincided with both performance[2] and substantial distributions to investors. Net distributions aggregated

[1] Figures as of 12/31/2022, pro forma for the acquisition of Trans Ash, which closed on 1/13/2023.

[2] Past performance is not a guarantee or indicator of future results and individual investment results are not representative of all investments made by JFLCO. See Section VI for a complete list of investments in addition to Notes to Investment Performance and the defined terms therein. For the latest performance detail, please refer to the JFL Fund VI GDDQ – Investment Performance Supplement and corresponding Notes to Investment Performance and the defined terms therein.

nearly $2.0 billion in 2020 and 2021 from JFLCO-sponsored funds over the same period. The sale of numerous asset positions from the Active Funds has created firm capacity to deploy Fund VI.

JFLCO's current momentum also reflects the firm's ongoing investment in human capital, contemporary IT solutions, enhanced business processes and other infrastructure improvement to support and deploy funds of this scale. The firm's current, 36-person Investment Team is supported by an nine-person operations and administration group (accounting/finance, human capital and administration); taken together, the current organization reflects over 50% growth in headcount over the last five years.

5. Describe any current or pending regulatory, compliance or litigation issues and the expected business impact.

   There are no current legal proceedings against any of JFLCO's funds, the firm or any of its Partners. The portfolio companies are parties to litigation in their ordinary course. The firm does not believe any such litigation is material.

6. Describe your diversity, equity and inclusion efforts with regard to the firm and its employees.

   The firm is committed to the belief that diversity and inclusivity are essential to success and strives to be more than an Equal Opportunity Employer. To achieve this commitment, the Partners are executing the strategy outlined in the Diversity & Inclusion Strategy Overview (available in the Intralinks Data Room) to accelerate efforts to seek and retain diverse talent, with a particular focus on underrepresented communities.

   JFLCO has established a Diversity & Inclusion Committee, consisting of Louis N. Mintz, Stephen L. Brooks, Lisa M. Steffens, and Megan E. Kanefsky. The intention of the committee is to oversee the execution of key initiatives with goals of advancing tangible, measurable actions that drive positive change. The following are select ongoing initiatives that the firm has implemented or is planning to introduce:

   - Reviewed all current recruitment, interviewing and hiring practices
     - Audited recruiting statistics to identify barriers
     - Augmented search providers to reach broader candidate pool

- Expand and continue direct-from-undergrad Analyst Program and Summer Analyst Program to increase our ability to identify and develop diverse talent at early stages of their career
  - First analyst onboarded in 2021
  - Second analyst onboarded in 2022
  - Completed two summer 2022 internships and identified 2023 interns
- Increasing panel participation and establishing ongoing sessions through leading diversity organizations
- Focusing on providing opportunities in finance to underrepresented students and expanding learning / development by offering networking opportunities and fostering connectivity
- Partnering with a comprehensive provider of diversity, equity and inclusion (DEI) services to stay ahead of best practices and insights for workplace diversity (including firmwide training, policy review, etc.)

We are currently engaging Diversity & Inclusion thought leaders to identify obstacles and further establish best practices for progress at the management company level.

Portfolio Management Team

1. Have there been any changes in the portfolio management team in the past year?

As of December 2022, the firm announced the following senior Investment Team promotions: Michael J. Greenspan to Principal, Tyler W. Creamer and Alfred E. Johansen to Vice President.

The firm also announced the additions of: Erik P. Toth, Kellan M. Strain and Rikke L. Gillespie to its Portfolio Operations team; Evan S. Lederman, Lionel Jolivot, Peter C. Kuper, Winfield S. Browning to its Investment Team and Ravi Patel and Mokhtar Akhtari to the Finance & Administration Team.

Please refer to the JFLCO website for press releases and biographical information.

2. Are there any expected changes to the team in the future (planned additions or departures)?

   The Firm continues to be opportunistic towards talent but does not currently expect any additions or senior level departures.

Process

1. Have there been significant changes in any of the areas below in the past year?
   - Identification of investment ideas
   - Process for exploring and vetting ideas
   - Portfolio trading practices including buy/sell rules
   - Approach to portfolio monitoring and risk management

   Not applicable.

Philosophy

1. Describe recent changes in investment philosophy, if any.

   Not applicable.

Portfolio

1. If not included in your meeting presentation, provide portfolio holdings, sector exposure, geographic exposure and common characteristics (yield, duration, market cap, P/E, etc.).

   JFLCO's established strategy seeks to primarily acquire control positions in high-quality companies in the target industries headquartered in the United States ("U.S."), Canada and the United Kingdom ("U.K.") and consider select investments in other allied countries. Consistent with the firm's investment program for recent funds, Fund VI will make equity investments, typically between \$50 million and \$350 million, in middle market companies with enterprise values generally ranging from \$100 million to \$1 billion, with larger transactions expected to be financed with equity co-investments.

2. List strategy AUM, net flows and accounts gained/lost for the past 5 years.

   Please refer to question 2 under Firm / Organization.

3. Describe investor concentration for the strategy and note the percent of AUM attributable to the top five investors.

   The investor composition is a diversified institutional base, with many advisors/consultants, public and private pensions, insurance companies, endowments/foundations, financial institutions and fund of funds. Of the funds where MWRA has interest: In Fund V, the five largest investors account for ~41% of NAV. In Fund IV, the five largest investors account for ~34% of AUM.

Performance / Market Outlook

1. If not included in your meeting presentation, provide trailing returns as of the most recent quarter-end and calendar year returns for the past 10 years, both relative to benchmark.

   The related presentation includes performance metrics. Additional details available upon request.

2. Briefly discuss recent performance trends and identify environments in which the strategy is likely to be in or out of favor.

   The firm's investment strategy is designed to be attractive and relevant across a wide variety of market, economic and geopolitical environments. The foundation of this strategy is a value-oriented, engineering-centric and operationally focused bias to investment selection – in comparison to short-term "momentum plays" based on a segment "du jour" or broader economic cycles.

   The strategy also prioritizes highly visible, recurring demand drivers for the products and services sold by target companies. This is most typically evidenced by either (i) established positions on "long life cycle" equipment like aircraft, ships and other complex systems and facilities with operational lives of 20-50+ years, or (ii) largely non-discretionary (and often regulatory mandated) demand drivers. Typical risks associated with broader economic cycles are often mitigated at these market participants by the (i) importance of the underlying equipment, (ii) length of the equipment's service lives (both absolute and relative to JFLCO's investment horizon), (iii) minimal switching risk faced by incumbent suppliers, and (iv) products and services in the form of maintenance and compliance requirements. Taken together, the differentiated technical capabilities, recurring demand drivers, value orientation and disciplined/flexible capital structures that comprise JFLCO's strategy are designed to support the execution of the firm's value-creation initiatives across a wide variety of macroeconomic cycles and geopolitical events.

The strategy's resiliency has been demonstrated over three decades, including the Global Financial Crisis (2008-09) and the ongoing COVID-19 global pandemic (2020-present). During these periods of significant market disruption and macroeconomic headwinds, JFLCO has been successful both deploying capital and driving value creation. Fund II, a 2005 vintage fund deployed partially during the Global Financial Crisis, generated a Gross MOIC of 2.0x (Net MOIC of 1.5x) and a Gross IRR of 35.3% (Net IRR of 19.6%), exceeding the upper quartile benchmark for 2005-vintage funds. Fund IV, a 2016 vintage partnership largely deployed prior to COVID-19, has weathered the impacts of the pandemic and continued to exhibit strong value creation. Net returns of 2.6x MOIC and 36.0% IRR as of December 31, 2022 place the partnership in the upper quartile for 2016-vintage funds.[3]

As a result, the Partners believe the market opportunity for Fund VI remains attractive and unlikely to require substantive changes in strategy relative to the firm's prior funds. Deal flow during the investment period for Fund VI is expected to continue to be generated as (i) prime contractors and other large industry participants reshape and rationalize their portfolios (as the constant cycle of aggregation and disaggregation continues), (ii) entrepreneurs seek retirement and a smooth ownership transition for the businesses they built, and (iii) entrepreneurs with growing companies look for partners with the specialized knowledge, relationships and resources to take full advantage of opportunities offered by an ever-evolving marketplace and regulatory environment. The Partners also believe the firm's brand equity developed over decades of demonstrated performance as sector-focused specialists further enhances the likelihood of attractive deal flow for Fund VI.

Of course, valuation levels continue to be a source of concern for all active buyers in the current market environment. Purchase multiples for U.S. middle market companies have increased significantly over the last decade, from an average of 8.2x EBITDA in 2011[4] to 12.9x in recent years[5], driven in part by (i) financial buyers with significant "dry powder"

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[3] Benchmark: Cambridge Associates Global Buyout September 30, 2022 (latest available). Past performance is not a guarantee or indicator of future results. See Notes to Investment Performance and the defined terms therein. For the latest performance detail, please refer to the JFL Fund VI GDDQ – Investment Performance Supplement and corresponding Notes to Investment Performance and the defined terms therein

[4] S&P Leveraged Commentary & Data Leveraged Buyout Review 4Q 2021

[5] JFLCO figures represent transactions from 1/1/2011 through 12/31/2022 in the Active Funds, pro forma for the acquisition of TransAsh, which closed on 1/13/2023, and exclude the Continuation Fund, as it is a single asset fund and not relevant; enterprise value ("EV") includes transaction costs and is net of acquired tax assets. 2011 – 2019 industry figures represent purchase price multiple for issuers with EBITDA less than or equal to $50 million from S&P Leveraged Commentary & Data Leveraged Buyout Review 4Q 2021. 2020 and 2021 figures not available. 2020, 2021 and 2022 industry figures represent rolling three-year median PE middle-market buyout multiples from the Pitchbook Annual US PE Middle Market Report, the latest industry figures available. Pitchbook defines Middle Market as US-based companies acquired through buyout transactions between $25 million and $1 billion. Reference to industry figures is used for comparative purposes only and were selected based on JFLCO's primary focus in the middle market. Comparisons have limitations as industry transactions may materially differ from a JFLCO

and readily available debt financing at attractive terms, and (ii) strategic buyers, many with strong cash positions. Notwithstanding this backdrop, JFLCO has demonstrated its ability to acquire companies at below-market valuations throughout multiple economic cycles. JFLCO believes this value discipline provides meaningful downside protection across its portfolio during weak macroeconomic backdrops and the potential to benefit from multiple expansion at exit after successfully executing the firm's investment strategy.

3. Describe your market outlook and how strategy positioning is impacted by your views.

JFLCO's target industries are large, complex and heavily regulated markets that have consistently expanded over time. The firm maintains macro views of these markets based on the experience of the Investment Team and the Operating Executive Board, primary research, direct feedback from portfolio company management and continuous dialogue with senior government officials, customers and industry executives.

The government and defense markets represent a significant portion of $1.4 trillion in annual U.S. federal "discretionary" spending, which excludes Social Security, Medicare and Medicaid, interest on the federal debt and other "mandatory" outlays.[6] This is further augmented by meaningful spending at state and local levels as well as in Canada, the U.K and other allied countries including members of the North Atlantic Treaty Organization ("NATO").

Global defense spending rose to nearly $2.0 trillion in 2020, with further growth expected as major world powers strengthen their militaries in response to current geopolitical tensions.[7] The U.S. and U.K. defense markets, which are joined by long-standing strategic and cultural alliances, together represent more than $800 billion[8] in current annual spending across thousands of companies.[9]

These large government "customers" are represented by a maze of entities, each with a distinct culture, budget and operational requirement; this customer base also extends to other allied nations, many of whom purchase U.S. and U.K. equipment and services for their own requirements. Together, these government customers fund a multitude of programs, ranging from leading-edge research and development initiatives to the

transaction. Investors should carefully consider these limitations and differences when evaluating the comparative data.

[6] Fairmont Consulting Group. U.S. Government Federal Agency Budgets (March 2022).

[7] Deloitte. 2022 Aerospace and Defense Industry Outlook.

[8] UK Government. Finance and Economics Annual Statistical Bulletin: International Defence 2021 (November 2021).

[9] Boeing. Diverse Suppliers Bring Big Value to Boeing and Their Communities (July 2020).

production of established systems that, once fielded, have typical service lives of 20 to 50+ years. The essential nature of these customers and programs allowed for operations to continue largely uninterrupted throughout the pandemic, and recently published budget requests by the U.S. DoD and U.K. Ministry of Defence indicate an uplift in spend in 2022 compared to 2021.[10] Beyond defense, U.S. federal, state and local governments purchase a wide variety of technical services from the private sector that facilitate the operations of most government agencies.

The adjacent commercial aviation and maritime markets are roughly equivalent in scale and are expected to continue to benefit from established secular growth trends over the long-term (and remain subject to increasing levels of regulation). The commercial aerospace supply chain of more than 12,000 companies[11] represents an estimated $328 billion market and is expected to grow to $430 billion in 2025.[12] Despite the deep disruption experienced during COVID-19, long-term demand drivers for air transportation remain unchanged, with average traffic projected to grow 4% annually from 2019 to 2040.[13] Continued growth is also expected in world seaborne trade and in turn the global commercial maritime market, where more than 50,000[14] vessels are responsible for transporting an estimated 90%[15] of international goods (as measured by tonnage) over the world's waterways.[16] Interconnection and global dependency was made even more evident during the recent pandemic, when the aerospace and maritime industries were deemed to be central to the global economy notwithstanding initial slowdowns and disruptions.

The related environmental and infrastructure ("E&I") markets are also sizable, with the environmental market alone representing approximately $420 billion per annum of government and commercial spending across thousands of companies.[17] In recent years, these markets have experienced strong growth that JFLCO expects will continue in light of increasingly stringent environmental and safety regulations, expanding industrial output and aging government and commercial infrastructure.

[10] Roland Berger. A Year on COVID-19 in the Aviation and Aerospace Industries (June 2021).
[11] McKinsey & Company. Why Now is the Time to Stress-Test your Industrial Supply Chain (July 2020).
[12] Global Market Report 2021: COVID-19 Impact and Recovery to 2030 (January 2021).
[13] Boeing. Commercial Market Outlook 2021 – 2040 (September 2021).
[14] United Nations Conference on Trade and Development. Fact Sheet 14: Merchant Fleet.
[15] NOAA. Fast Facts: Ports (March 2022).
[16] Clarkson Research (January 2019); International Maritime Organization (https://business.un.org/en/entities/13).
[17] EBJ. 2021 Environmental Industry Snapshot Survey (May 2021).

A wide variety of products and services are required to support each of these industries, ranging from everyday essentials (e.g., uniforms, airplane seatbelts, fire extinguishers, IT support) to highly technical service providers and sophisticated, high-value platforms such as commercial jets, aircraft carriers, reconnaissance satellites and power plants.

The supply chain responsible for developing, constructing and supporting these products and services is comprised of thousands of companies in a constant cycle of aggregation and disaggregation – ranging from well-known market leaders (e.g., The Boeing Company, Lockheed Martin Corporation and A.P. Moller – Maersk Group) to countless suppliers with revenues of less than $10 million.

The Partners believe specific segments of the firm's target markets are particularly well-suited for successful private equity investing – especially in instances where risk-averse and highly regulated customers support recurring revenue and attractive free cash flow conversion for suppliers with differentiated technical competencies. The Partners further believe these market niches share strong barriers to successful investing that JFLCO is well-suited to address given the breadth and depth of the firm's experience, including:

- Stringent customer and program qualifications and/or contracting and operating requirements;
- Extensive regulatory, government and certification standards and approvals;
- High levels of engineering and technical capabilities; and
- Complex interaction between government and commercial markets.

The firm's investment returns have been achieved by coupling this extensive industry knowledge with a value-oriented investment philosophy that utilizes the operational and financial expertise of the Investment Team. This demonstrated strategy centers on maximizing returns and effectively managing risk in each investment by:

- Investing exclusively in products and services serving the aerospace, defense, maritime, government and environmental markets that share key market and business attributes;
- Focusing on businesses with meaningful engineering and technical content that are not realizing their full potential but have well-established product and service offerings and market-leading positions;
- Investing at disciplined valuations with appropriate capital structures; and
- Leveraging JFLCO's industry knowledge and operating expertise to develop and execute

strategies that can translate into value for the firm's investors.

4. Could you please include a slide in your presentation that sows the MWRA's account history, initial contribution, cumulative subsequent contributions, cumulative subsequent distributions, gain/loss and current value.

   Please see the separately enclosed presentation.

Notes to Investment Performance

Disclaimer

JFLCO is an investment adviser registered with the Securities and Exchange Commission ("SEC") under the Investment Advisers Act of 1940, as amended (the "Advisers Act"). JFLCO serves as investment manager to JFL Equity Investors VI, L.P ("Fund VI"). JFLCO has engaged the services of Credit Suisse Securities (USA) LLC together with its affiliates ("CSS") to solicit prospective investors to acquire interests in Fund VI (each an "Interest").

Credit Suisse has introduced you to JFLCO in connection with a prospective investment in Fund VI. In connection with this introduction, Credit Suisse is not a current client of or investor in any product advised by JFLCO. Credit Suisse will receive compensation from JFLCO as a percentage of capital committed by investors that Credit Suisse introduces to JFLCO, generally calculated as a rate up to 2.50% of the aggregate principal amount of securities sold to such investor, plus in certain cases interest on unpaid fee balances at an annual interest rate generally equal to the 180-day average of the Secured Overnight Financing Rate plus 2.00%. Notwithstanding which party amongst Fund VI, the General Partner, or JFLCO ultimately actually pays such compensation to Credit Suisse, the investors in Fund VI do not bear and are not responsible for the economic impact of the Fee. The economic impact of such compensation is ultimately borne by Fund VI general partner and/or JFLCO. JFLCO also has agreed to reimburse Credit Suisse for reasonable out of pocket expenses and to indemnification consistent with engagements of this type.

General Notes and Terminology

Fund VI is a newly organized entity and has no prior operating history or track record for a prospective investor to consider. For JFLCOs active partnerships, the performance information contained herein is as of December 31, 2022 (although results are unaudited and subject to change) unless otherwise stated.

Funds II, III, IV and V performance includes all related Parallel Funds and Alternative Investment Funds (if any).

References to "Active Funds" mean collectively Funds III, IV and V, and excludes JFL-NG Continuation Fund, L.P (the "Continuation Fund"), the single asset continuation fund closed in October 2021. For additional detail, see Footnotes to Performance Table in Notes to Performance.

References to “Holding Period” mean the length of time the relevant fund has held a portfolio company based on the initial investment date; fund-level Holding Period is calculated using a weighted average based on each platform investment’s Holding Period and the amount of Fund Capital per investment.

References to “Fund Capital” mean the aggregate amount of capital invested in a portfolio company by the relevant funds (or, in the case of Pre-Fund Investments (as defined below), investors). Fund Capital excludes Bridge Investments and co-investments by selling shareholders, management, limited partners in JFLCO-sponsored funds, financing sources and other third-party investors.

References to “Fully/Substantially Realized” Investments mean investments that have been completely or partially exited to third parties.

References to “Active Investments” mean partially realized and unrealized investments, which as of December 31, 2022, consist of the following Fund III, Fund IV and Fund V investments: Trident Maritime (incorporating the merger of Fund III platform investments in US Joiner and IMECO), AGI, Lake Shore Systems, Inland Pipe Rehabilitation, CodeMettle, Integrated Global Services, Global Marine Group, Entact, CTS, Trillium, NorthStar Group and Narda-MITEQ.

References to “Environmental & Infrastructure Investments (or “E & I Investments or Portfolio”) mean investments in the Environmental & Infrastructure Subsector, which as of December 31, 2022, consist of the following Fund III, Fund IV and Fund V investments: National Response Corp., Sprint Energy Services, NRCG, NorthStar, WCS, Inland Pipe Rehabilitation, Lone Star Disposal, Integrated Global Services, Global Marine Group, Entact and NorthStar Group. NorthStar Group in the Continuation Fund is excluded. While JFLCO believes the designated E&I Investments have a positive effect on one or more environmental or social issues, such designation is not intended to suggest the primary purpose of any such investment was the environmental or social impact.

Reference to quartile performance is measured against Cambridge Associates Global Buyout Net IRR Benchmark as of September 30, 2022. The Cambridge Associates LLC Global Buyout and Growth Equity Index® is a horizon calculation based on data compiled from buyout and growth equity funds, including fully liquidated partnerships, formed between 1995 and 2022. Partnership financial statements and narratives are the primary source of information concerning cash flows and ending residual/net asset values (NAV) for both partnerships and portfolio company investments. This benchmark is a broad-based index which is used for comparative purposes only and has been selected as it is well known and easily recognizable by investors. Comparisons to benchmarks have limitations because benchmarks have material characteristics that may differ from a JFLCO-managed fund. For example, investments made for a JFLCO-managed fund may differ significantly in terms of security holdings, industry weightings and asset allocation from those of the benchmark. Accordingly, investment results of a JFLCO-managed fund may differ from those of the benchmark. Investors should carefully consider these limitations and differences when evaluating the comparative benchmark data performance.

References to Pitchbook and S&P middle-market industry figures are used for comparative purposes only and were selected based on JFLCO's primary focus in the middle market. Comparisons have limitations as industry transactions may materially differ from a JFLCO transaction. Investors should carefully consider these limitations and differences when evaluating the comparative data.

References to "Fund I & Predecessor Investments" includes the nine investments completed by members of the Investment Team and Operating Executive Board prior to the raising of Fund II in 2005-06. These include (i) the firm's initial investments as a "fundless sponsor" in Accudyne & Kilgore and Sperry Marine through special purpose entities formed specifically for each transaction (the "Pre-Fund Investments"), (ii) six investments in Fund I, a 1997 vintage partnership with $130.1 million in capital commitments, and (iii) J.F. Lehman Equity Investors I-A, L.P. ("Fund I-A"), a 2004 "annex" fund which raised $16.7 million in capital commitments from investors in Fund I in connection with the investment in Racal Acoustics.

References to "Non-Representative Investments" relate to five transactions since the firm's inception that the Partners believe are no longer consistent with JFLCO's core investment strategy including (i) three Fund I investments (Burke, Elgar and Special Devices) purchased in 1997 and 1998 where JFLCO employed aggressive leverage to purchase companies through highly competitive auctions for premium multiples during peaks in their respective market cycles, and (ii) two Fund II early stage investments (Hawaii Superferry and Defense Venture Group) that had limited or no operating history. "Representative Investments" refer to all other investments. Detailed case studies of each JFLCO investment are available upon request.

References to "Realized Value" represent cash distributions from portfolio companies and proceeds paid upon sale or other exit transactions (including cash dividends, interest, ordinary income, capital gains and return of capital).

References to “Total Value” represent the sum of Realized Value and Unrealized Value, which is the remaining value of a fund’s interest in an investment. Unrealized Value is based on JFLCO’s estimate of the fair market value of such interest in accordance with its valuation policy. In determining Unrealized Value, consideration is given to the financial condition and operating results of the portfolio company, the value of comparable companies and other relevant factors pursuant to JFLCO’s valuation policy. There can be no assurance that any Unrealized Value will be realized at the valuations shown, as actual realized returns will depend on, among other factors, future operating results, the value of the assets and market conditions at the time of disposition, any related transaction costs and the time and manner of sale, all of which may differ from the assumptions on which the valuations contained herein are based. Accordingly, the actual realized returns may differ materially from the returns indicated herein. Additional information regarding JFLCO’s valuation policy and current investment valuations is available upon request.

Gross Performance

References to “Gross MOIC” represent Total Value expressed as a multiple of the Fund Capital invested. All Gross MOIC amounts exclude the allocation of any fund-level fees and expenses, carried interest or taxes, which in the aggregate may be substantial. The calculation of Gross MOIC with respect to Active Investments is inclusive of Unrealized Value, which is based on JFLCO’s estimate of the fair market value of such investment in accordance with its valuation policy. Gross MOIC reflects a de minimis reinvestment of proceeds where applicable. Realized Gross MOIC represent the Gross MOIC for Fully/Substantially Realized Investments.

References to “Gross IRR” represent annual, compounded gross internal rates of return calculated based on capital inflows and outflows for each portfolio company. As it relates to capital calls for acquisitions and follow-on investments and distributions related to dividend recapitalizations or exits, Gross IRR reflects such capital inflows and outflows as if they occurred on the dates of such transaction. As it relates to other capital calls and distributions, Gross IRR generally reflects such inflows and outflows according to the actual dates of such inflows from and outflows to fund investors. All Gross IRR amounts exclude the allocation of any fund-level fees and expenses, carried interest or taxes, which in the aggregate may be substantial.

The calculation of Gross IRR is inclusive of Unrealized Value, which is based on JFLCO’s estimate of the fair market value of such investment in accordance with its valuation policy. Gross IRR reflects a de minimis reinvestment of proceeds where applicable. Realized Gross IRR represent the Gross IRR for Fully/Substantially Realized Investments.

Gross IRR for Fund I & Predecessor Investments assumes all investments were made as of a common start date ("Common Start Date Methodology"); Gross IRR based on capital inflows and outflows for these investments is 127.9% (Hypothetical Net IRR of 106.7%) for Fund I & Predecessor Representative Investments and 116.5% (Net IRR of 85.0%) for all Fund I & Predecessor Investments. These metrics are not considered meaningful nor accurately representative of performance.

The calculation of aggregate Gross IRR for portfolio companies acquired across different funds (e.g., Gross IRR Since Inception, Realized Gross IRR Since Inception, Gross IRR of E & I Investments and Realized Gross IRR of E & I Investments) is an estimate calculated utilizing the Common Start Date Methodology and does not represent actual returns to any investor. Gross IRR Since Inception includes each of the two Pre-Fund Investments, Fund I, Fund I-A, Fund II, Fund III, Fund IV and Fund V. Gross IRR Since Inception based on actual dates of capital inflows and outflows for each portfolio company is 116.5% for all Fully/Substantially Realized Investments, 16.8% for Active Investments and 116.5% for all JFLCO Investments (Hypothetical Net IRR of 87.0%, 12.9%, and 87.0%, respectively). These metrics are not considered meaningful nor accurately representative of performance. Gross IRR and Realized Gross IRR of E & I Investments based on actual dates of capital inflows and outflows for each portfolio company is 31.7% and 35.7% (Hypothetical Net IRR of 26.1% and 29.8%), respectively.

Gross Distributions to paid-in capital ("Gross DPI") is equal to total cash distributions from portfolio companies and proceeds paid upon sale or other exit transactions (including cash dividends, interest, ordinary income, capital gains and return of capital) divided by total fund capital.

Net Performance

References to "Net Performance" (Net MOIC and Net IRR) for both realized and unrealized amounts represent the deduction of any fund-level fees and expenses incurred, carried interest (whether accrued or paid) and taxes incurred that may be allocable to limited partners in such funds. Net IRR and Net MOIC reflect a de minimis reinvestment of proceeds where applicable.

Prior to Fund IV, JFLCO did not use subscription or capital call lines of credit. Fund IV and Fund V have a subscription line to allow for enhanced cash management and to provide short-term financing prior to the receipt of capital contributions. Fund VI expects to have a subscription line for similar uses. Net IRR in Fund IV and V include the benefits that result from utilizing subscription lines, including higher reported Net IRR figures than if a subscription line (or other leverage) had not been utilized.

Net IRR Since Inception is calculated utilizing the Common Start Date Methodology for each of the two Pre-Fund Investments, Fund I, Fund I-A, Fund II, Fund III, Fund IV and Fund V. Net Performance Since Inception is an estimate and does not represent actual returns to any investor. Net IRR Since Inception based on actual dates of capital inflows and outflows for these funds is 84.8%, and not considered meaningful nor accurately representative of performance. Net Performance for All Representative Investments is regarded as not meaningful.

Net IRR for Fund II, Fund III, Fund IV and Fund V represents the annual, compounded net internal rates of return calculated based on the actual dates and amounts of cash contributions from, and distributions or expected distributions to, the limited partners of such fund after the allocation of any fund-level fees and expenses incurred, carried interest (whether accrued or paid) and taxes incurred that may be allocable to limited partners.

Adjusted Net Performance for Fund III reflects illustrative cash flows assuming a 100% management fee offset for transaction and monitoring fees in lieu of the "budget based" offset provisions set forth in the limited partnership agreement governing Fund III. Add-back adjustments were made at mid-year points to approximate cash flows that would have occurred throughout the calendar year. Adjusted Net Performance does not represent actual returns to any investor.

Net IRR for Fund I & Predecessor Investments is calculated utilizing the Common Start Date Methodology for each of the two Pre-Fund Investments, Fund I and Fund I-A. Net IRR based on capital inflows and outflows for these investments is 85.0%, and not considered meaningful nor accurately representative of performance. Net IRR and Net MOIC for Fund I & Predecessor Investments include a pro forma management fee of 2% on Fund Capital and 20% carried interest for Pre-Fund Investments and Fund I-A. Net IRR for Fund I & Predecessor Investments also includes a $2.0 million investment in Redleaf Group ("Redleaf") completed by Fund I in 2000. Redleaf was a company that invests in venture capital opportunities and was not representative of JFLCO's investment strategy. The investment in Redleaf has been written down to zero and accounted for as a fund expense in the net return data for Fund I.

Net Distributions to paid-in capital ("Net DPI") is equal to total net distributions to limited partners divided by total paid-in capital (including fees and expenses and carried interest). Residual value to paid-in capital ("RVPI") is equal to the total Unrealized Value divided by total paid-in capital.

Hypothetical Net Performance

The calculation of "Hypothetical Net Performance" (Hypothetical Net MOIC and Hypothetical Net IRR) for individual portfolio companies, groups of portfolio companies within the same fund (e.g., Fully/Substantially Realized, Active) and groups of portfolio companies across different funds (e.g., Realized Since Inception, E & I Investments) represents the annual, compounded net internal rate of return for such investments based on:

- WITH RESPECT TO AMOUNTS: (a) the actual amounts of cash contributions of Fund Capital from limited partners, (b) Hypothetical F&E Allocations (as defined below), and (c) hypothetical distributions to limited partners adjusted for Hypothetical GP Carry (as defined below).
- WITH RESPECT TO DATES: (i) the actual dates of cash contributions of Fund Capital from limited partners, (ii) Hypothetical F&E Calls (as defined below), and (iii) the actual dates of distributions to limited partners.

Each investment within a fund has been allocated a pro rata share of that fund's total fees and expenses since inception based on the cost of such investment relative to the overall cost of all investments in that fund (such amount, the "Hypothetical F&E Allocations"). Each investment's allocable share of such fees and expenses are assumed to have occurred at the midpoint of its holding period (such points in time, the "Hypothetical F&E Calls").

Each investment generating a profit (realized or unrealized) assumes the General Partner receives 20% of such profit on the distribution or valuation date (such amounts, "Hypothetical GP Profits Interest"). Each investment generating a loss (realized or unrealized) assumes investors receive 20% of such loss from the General Partner on the distribution or valuation date (such amounts, "Hypothetical GP Clawback" and together with "Hypothetical GP Profits Interest", the "Hypothetical GP Carry"); provided, however, that no Hypothetical GP Clawback has been assumed for investments in Fund I that were not subject to aggregation. Please note that as a result of this methodology, certain investments may generate a higher Hypothetical Net MOIC than such investment's Gross MOIC.

References to Hypothetical Net Performance for groups of portfolio companies across different funds is calculated utilizing the Common Start Date Methodology.

All Hypothetical Net Performance metrics are not considered meaningful nor accurately representative of performance and do not represent actual returns to any investor.

Footnotes to Performance Tables

(1) Platform investments NorthStar and Waste Control Specialists ("WCS") were combined into NorthStar Group in November 2020. In accordance with procedures approved by Fund IV's Advisory Committee, NorthStar shareholders received 80% of the economic interests in NorthStar Group and WCS shareholders received the remaining 20%. The valuation of NorthStar Group beginning in December 2020 has been allocated to the original platform investments accordingly.

In October 2021, affiliates of Fund IV completed the sale of NorthStar Group via a single asset secondary transaction pursuant to a process approved by the Limited Partner Advisory Committees of both Fund IV and Fund V and affiliated investment vehicles. The transaction resulted in a full monetization of NorthStar Group for Fund IV investors; simultaneously, investment affiliates of JFLCO continued to control the company through investments by (i) a continuation vehicle backed by longstanding and new institutional partners, (ii) Fund V, and (iii) the rollover of significant interests from NorthStar Group's senior management, electing investors in Fund IV and the Fund IV General Partner. Importantly, the transaction is expected to provide the resources required to support the company's next phase of growth and drive incremental value creation.

(1a) NorthStar Group performance figures and financial metrics in Fund V and the Continuation Fund are pro forma for the acquisition of Trans Ash, which closed on 1/13/2023.

(2) Platform investments National Response Corporation ("NRC") and Sprint Energy Services ("Sprint") were combined into NRC Group Holdings, LLC ("NRCG") in June 2018. In accordance with procedures approved by Fund III's Advisory Committee, NRC shareholders received 65% of the economic interests in NRCG and Sprint shareholders received the remaining 35%. NRCG became publicly listed in October 2018 in connection with its sale to Hennessey Capital Acquisition Corp., a special purpose acquisition corporation. At that time, Fund IV acquired a modest structured equity position in the company in conjunction with the public listing. On November 1, 2019, NRCG closed its previously announced merger with US Ecology, Inc. ("US Ecology") (NASDAQ: ECOL). ECOL common stock was the basis for the valuations. On May 4, 2020, JFLCO completed the final in-kind distribution of shares of US Ecology common stock to investors.

(3) Platform investments American Scaffold ("ASI") and IMIA were combined into IMIA Group in April 2021. In accordance with procedures approved by Fund IV's Advisory Committee, ASI shareholders received 20% of the economic interests in IMIA Group and IMIA shareholders received the remaining 80%. The valuation of IMIA Group beginning in June 2021 has been allocated to the original platform investments accordingly.

(4) Fund III platform investment Trident Maritime Systems ("Trident") and Fund IV platform investment Lake Shore Systems ("Lake Shore") were combined into TMS Group in February 2021. In accordance with procedures approved by Fund III's and Fund IV's Advisory Committees, Trident shareholders received 85% of the economic interests in TMS Group and Lake Shore shareholders received the remaining 15%. The valuation of TMS Group beginning in March 2021 has been allocated to the original platform investments accordingly.

Fund III platform investment AGI Holdings LLC ("AGI") was merged into TMS Group in April 2022. In accordance with procedures approved by Fund III's and Fund IV's Advisory Committees, Trident shareholders received 72.25% of the economic interests in TMS Group, Lake Shore shareholders received 12.75% of the economic interests in TMS Group, and AGI shareholders received the remaining 15%. The valuation of TMS Group beginning in June 2022 has been allocated to the original platform investments accordingly.

J.F. Lehman & Company

MWRA EMPLOYEES' RETIREMENT SYSTEM

April 2023

For Professional / Qualified / Institutional Investors Only

DISCLAIMER

For Professional / Qualified / Institutional Investors Only

This Presentation is being furnished on a confidential basis for the purpose of providing information about JFLCO and its affiliated private equity investment vehicles (collectively the “Funds”) and does not constitute an offer to buy or sell interests in any of the Funds or any other securities. A private offering of interests in Fund VI will only be made pursuant to Fund VI’s confidential private placement memorandum (the “Memorandum”), subscription documents (the “Subscription Agreement”) and limited partnership agreement (the “Partnership Agreement”, and collectively with the Memorandum and Subscription Agreement, the “Offering Materials”), which will be furnished to qualified investors on a confidential basis at their request for their consideration in connection with such offering. The information contained herein will be qualified in its entirety by reference to the Offering Materials, which contain additional information about the investment objectives, terms and conditions of an investment in Fund VI and also contain tax information and risk disclosures that are important to any investment decision regarding Fund VI. No person has been authorized to make any statement concerning Fund VI other than as set forth in the Offering Materials and any such statements, if made, may not be relied upon. The information contained herein must be kept strictly confidential and may not be reproduced or redistributed in any format without the approval of JFLCO, whether within or outside of the United States of America. Notwithstanding the foregoing, each investor and prospective investor (and each employee, representative, or other agent thereof) may disclose to any and all persons, without limitation of any kind, the tax treatment and tax structure of Fund VI and its investments and all materials of any kind (including opinions or other tax analyses) that are provided to such investor or prospective investor relating to such tax treatment and tax structure; provided, however, that such disclosure shall not include the name (or other identifying information not relevant to the tax structure or tax treatment) of any person and shall not include information for which nondisclosure is reasonably necessary in order to comply with applicable securities laws. Please refer to the documents in the virtual data room, including but not limited to the Memorandum, for more detailed information on JFLCO and the Funds, including Fund VI.

By accepting delivery of this Presentation the recipient agrees to the foregoing. If you are requested or required by law (for example, pursuant to a Freedom of Information Act request) to disclose any of the information contained in this Presentation, please contact JFLCO as soon as possible after you receive notice of such request or requirement. An investment in Fund VI will involve significant risks, including loss of the entire investment. The interests in Fund VI will be illiquid, as there is no secondary market for interests in Fund VI and none is expected to develop. There will be restrictions on transferring interests in Fund VI, investments may be leveraged and the investment performance may be volatile. Before deciding to invest in Fund VI, prospective investors should read the Offering Materials and pay particular attention to the risk factors contained herein. The fees and expenses charged in connection with an investment in Fund VI may be higher than the fees and expenses of other investment alternatives and may offset profits. Investors should have the financial ability and willingness to accept the risk characteristics of Fund VI’s investments. Potential conflicts of interest may arise from the relationship between Credit Suisse Securities (USA) LLC and its affiliates, which is acting as Fund VI’s placement agent. Credit Suisse is not acting and will not act as a municipal advisor within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the rules and regulations promulgated thereunder (“Municipal Advisor Rule”).

Any services, materials or information that Credit Suisse provides to a municipal entity or obligated person as defined by the Municipal Advisor Rule ("Covered Party") are provided on an arm's length basis and not as an advisor or fiduciary to the Covered Party. Covered Parties should consult with their own internal and external advisors before taking action with respect to any services, materials or information provided to them by Credit Suisse. Credit Suisse also will not solicit a Covered Party for direct or indirect compensation on behalf of an unaffiliated investment adviser for the purpose of obtaining or retaining an engagement for that investment adviser by the Covered Party to provide investment advisory services to or on behalf of the Covered Party.

This Presentation includes select investment profiles of portfolio companies held by the Funds. All examples used in this Presentation are presented for illustrative purposes only and should not be relied upon as an indication of how JFLCO and its Funds have performed in the past or will perform in the future. Investment results for all Funds can be found in the Appendix of this Presentation.

In considering any performance data contained herein, prospective investors should bear in mind that past or targeted performance is not indicative of future results, and there can be no assurance that Fund VI will achieve comparable results or that target returns will be met.

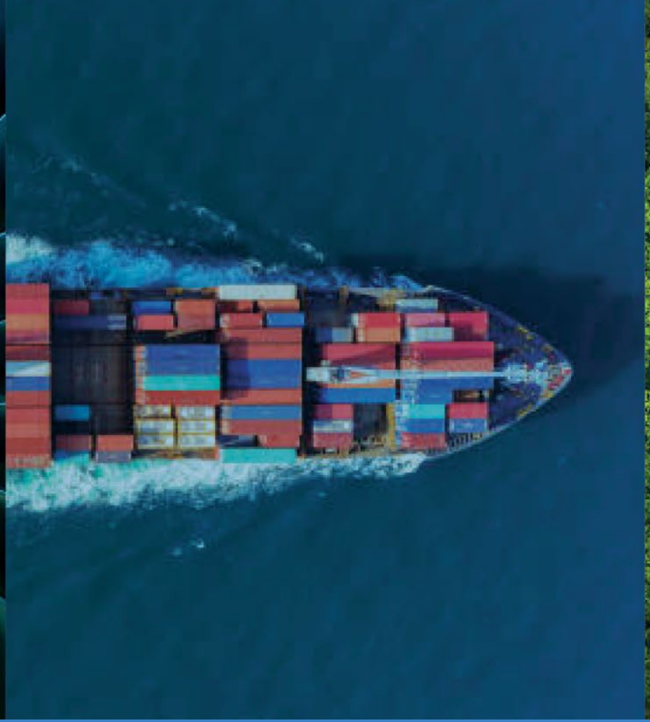
Prospective investors should also bear in mind that past or targeted portfolio characteristics are not indicative of future portfolio characteristics and there can be no assurance that a Fund will have comparable portfolio characteristics or that target portfolio characteristics will be achieved. In addition, there can be no assurance that unrealized investments will be realized at the valuations shown as actual realized returns will depend on, among other factors, future operating results, the value of the assets and market conditions at the time of disposition, any related transaction costs and the timing and manner of sale, all of which may differ from the assumptions on which the valuations contained herein are based. The IRRs and MOIC presented on a "Gross" basis do not reflect any management fees, carried interest, taxes and allocable expenses borne by investors, which in the aggregate may be substantial. Nothing contained herein should be deemed to be a prediction or projection of future performance of Fund VI. Prospective investors should make their own investigations and evaluations of the information contained herein. Each prospective investor should consult its own attorney, business adviser and tax adviser as to legal, business, tax and related matters concerning the information contained herein and such offering. Tax treatment depends on the individual circumstances of each client and may be subject to change in the future.

Except where otherwise indicated herein, the information provided herein is based on matters as they exist as of the date of preparation and not as of any future date and will not be updated or otherwise revised to reflect information that subsequently becomes available, or circumstances existing or changes occurring after the date hereof. For JFLCO's currently Active Funds, the performance information contained in this Presentation is December 31, 2022 unless otherwise noted.

Please refer to the Endnotes and Notes to Investment Performance and the defined terms therein for additional disclosures related to this Presentation.

Certain information contained in this Presentation constitutes “forward-looking statements,” which can be identified by the use of forward-looking terminology such as “may,” “will,” “should,” “expect,” “anticipate,” “target,” “project,” “estimate,” “intend,” “continue” or “believe,” or the negatives thereof or other variations thereon or comparable terminology. Due to various risks and uncertainties, actual events or results or the actual performance of Fund VI may differ materially from those reflected or contemplated in such forward-looking statements. Prospective investors in Fund VI should not rely on these forward-looking statements in deciding whether to invest in such Fund. The information contained in this Presentation has been obtained from sources outside of Credit Suisse.

While such information is believed to be reliable for the purposes used herein, neither Credit Suisse, nor any of its affiliates or partners, members or employees, assume any responsibility for the accuracy of such information. Additionally, certain of the information and data in this Presentation is based on or derived from information provided by independent third-party sources. Although JFLCO believes that such information is accurate and that the sources from which it has been obtained are reliable, JFLCO cannot guarantee the accuracy of such information and has not independently verified the assumptions on which such information is based.

Established Sector-Focused Investors

Founded 30 years ago, J.F. Lehman and Company is an established private equity firm that exclusively focuses on investing in the aerospace, defense, maritime, government and environmental industries and companies possessing the differentiated technical capabilities that originate from operating in these sectors. Led by an accomplished senior team with significant tenure, the firm's investment strategy and demonstrated track record reflect its deep experience in, and commitment to, these targeted sectors.

1997	2005	2011	2016	2020	2023
FUND I AND PREDECESSOR INVESTMENTS	FUND II	FUND III	FUND IV	FUND V	FUND VI
$168 million	$335 million	$576 million	$833 million	$1.35 billion	Targeting $1.6 billion

All Funds Since Inception

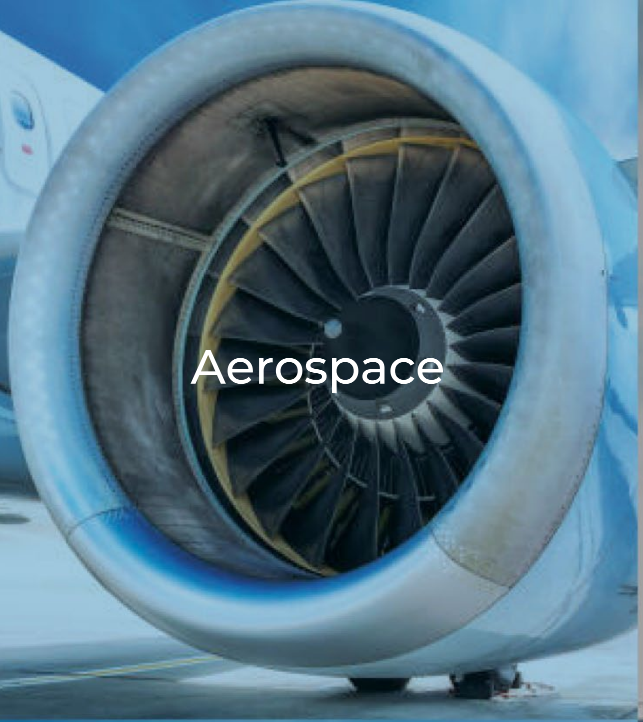
30.3% Gross IRR

22.8% Net IRR

As of 12/31/2022. Aggregate returns shown do not represent returns received by any particular investor as these represent all investments made by JFLCO-sponsored funds. Past performance is not a guarantee nor an indicator of future results. Please see Appendix for Endnotes & Disclaimers as well as complete performance information and Notes to Investment Performance for additional detail.

	# Platforms	# Add-Ons	Holding Period	Fund Capital	Realized Value	Unrealized Value	Total Value	Gross MOIC	Gross IRR	Hypothetical Net MOIC	Hypothetical Net IRR
Fully / Substantially Realized	27	27	4.1	$1,219.4	$3,448.5	$10.1	$3,458.6	2.8x	41.9%	2.2x	31.4%
Unrealized	13	19	3.3	1,343.7	177.4	2,012.3	2,189.8	1.6x	16.3%	1.4x	12.5%
Total	**40**	**46**	**3.7**	**$2,563.1**	**$3,625.9**	**$2,022.5**	**$5,648.4**	**2.2x**	**30.3%**		
							Net Performance	**1.8x**	**22.8%**		

As of 12/31/2022. Aggregate returns shown do not represent returns received by any particular investor as these represent all investments made by JFLCO-sponsored funds. Past performance is not a guarantee nor an indicator of future results. Please see Appendix for Endnotes & Disclaimers as well as complete performance information and Notes to Investment Performance for additional detail.



ESTABLISHED INVESTMENT CRITERIA

Target Company Attributes

Middle-market companies, typically $100 million to $1 billion EV

Demonstrated, market-leading engineering/technical capabilities often involving specialized, performance-critical products/services

Strict qualification and certification requirements for products and services addressing:

- High-value, long-life-cycle assets (e.g., aircraft, vessels, satellites, power plants, etc.)
- Government and commercial regulatory requirements

Established positions on long-life-cycle priority programs:

- Recurring and predictable customer demand
- Sole (or dual) source customer supply arrangements
- Balanced contract portfolios across the full program life cycle (development, production, aftermarket support)

Increasingly complex, stringent domestic and international regulatory frameworks creating non-discretionary, consistent demand

Multiple-use technologies/capabilities with government and commercial applications

Navigating Complexity Through Deep Sector and Operational Experience

Owner-Founder Dynamics	- Complex owner-founder transitions - Insufficient depth of management talent
Corporate Carve-Outs	- Multiple operating units loosely packaged for sale - Limited historical financial information/cash flow visibility - Often more reliant on existing parent infrastructure than seller appreciates - Limited / insufficient depth of leadership
Market Dynamics	- Specialized technologies, programs, customers and regulatory environments - News headlines and historical trends often misleading
Partial C-Level Suites	- Missing key members of the executive team - Divestitures often a graceful exit ramp for under-performers
Complex Trajectories	- Dynamic contract profiles and other company-specific complexities - Requires conviction beyond near-term contraction in financial performance - Broken balance sheet/overleveraged
Lack of Business-Development Engines	- Selling ownership often more focused on existing contract execution over growth - Limited appetite for risk (even with attractive risk-adjusted returns) - Often yields unexciting (or unbelievable) projections
Insufficient Systems & Processes	- Lack of organizational and reporting structure - Limited systems and consistent, uniform business processes - Poor data fidelity hinders due diligence

Play an active role in realization efforts, achieving success through various means of exit

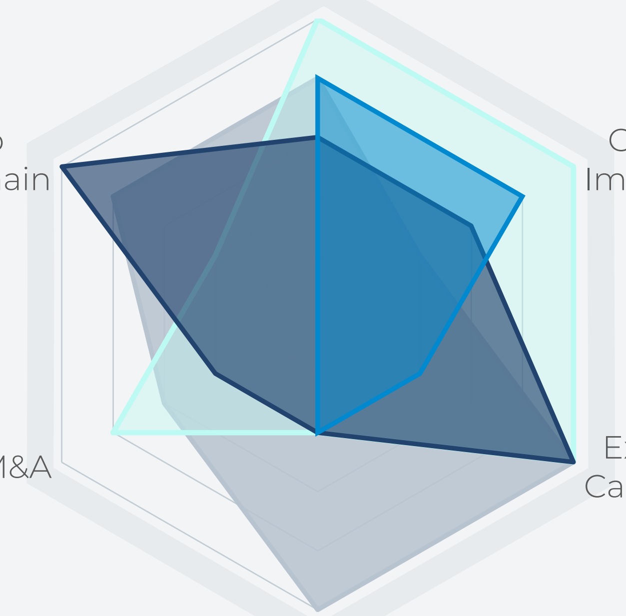
"Polished diamonds" provide multiple expansions – not typically driven by timing/market cycles

Focus on **improving performance** and strengthening balance sheet to support re-leveraging and de-risking equity

Operational Expertise and Growth Strategies Tailored to Company Needs

Value Creation Playbook

Realized Investments (since Jan-2021)



Holding Period		Gross MOIC	Gross IRR	Hypothetical Net MOIC	Hypothetical Net IRR
3.7yrs	IMIA	3.6x	45.7%	2.8x	38.9%
4.3yrs	BEI PRECISION	4.1x	45.9%	3.2x	39.0%
4.2yrs	NorthStar WCS	10.5x	85.6%	7.9x	76.6%
3.0yrs	Lone Star Disposal, LP	3.4x	48.6%	2.7x	39.8%

Past performance is not a guarantee nor an indicator of future results. Please see Appendix for Endnotes & Disclaimers as well as complete performance information and Notes to Investment Performance for additional detail.

Year Joined JFLCO

Partners and Senior Investment Professionals

Louis N. Mintz
Partner | 1997

Stephen L. Brooks
Partner | 1998

C. Alexander Harman
Partner | 1999

Glenn M. Shor
Partner | 2010

William J. Hanenberg
Managing Director | 2008

Michael S. Friedman
Managing Director | 2007

David F. Thomas
Managing Director | 2010

R. Benjamin Hatcher
Principal | 2013

Kevin Vallès
Principal | 2017

Supported by 16 Investment Professionals

Portfolio Operations (6 members)

Larry J. Phillips
Managing Director | 2018

Erik P. Toth
Managing Director | 2022

Michael J. Greenspan
Principal | 2019

Founding Partners & Operating Executive Board

Senior-level Executives and High-ranking Officers (16 Members)

Legal, Administration & Compliance

David L. Rattner
Managing Director | 2011

Fund Finance & Operations

Lisa M. Steffens
Managing Director | 2006

Finance & Accounting

Michael P. Leber
Director | 2018

Marketing & Investor Relations

Karina Perelmuter
Director | 2019

Human Capital

Megan E. Kanefsky
Vice President | 2021

Supported by 7 Additional Professionals

As of February 2023.

Deep Operational Insights Support Value Creation

As of February 2023

Portfolio Operations

Larry J. Phillips — 2018
Managing Director

Erik P. Toth — 2022
Managing Director

Michael J. Greenspan — 2019
Principal

Jason S. Reaves — 2020
Vice President

Kellan M. Strain — 2022
Vice President

Rikki L. Gillespie — 2023
Vice President

Founders & Operating Executive Board

John F. Lehman — 1992
Chairman, Founding Partner, JFLCO
Secretary of the U.S. Navy

Donald Glickman — 1992
Founding Partner, JFLCO
Principal, Peter J. Solomon Company

George A. Sawyer — 1992
Founding Partner, JFLCO
EVP, General Dynamics

James R. Baumgardner — 2018
Vice Chairman, IPR
Senior Executive at US Ecology, Peak Utility

Michael Bayer — 2011
Chairman, Defense Business Board
Chairman, Secretary, Air Force Advisory Group

Carol Bibb — 2018
MD Portfolio Operations, JFLCO
Senior Vice President, General Manager, Honeywell

Gen. John F. Campbell — 2016
Vice Chief of Staff, U.S. Army
Commander, Int'l Sec. Asst. Force

Allan Cook — 2010
Chief Executive, Cobham PLC
Senior Exec., GEC-Marconi, BAE Systems

Gen. John D. W. Corley — 2011
Vice Chief of Staff, U.S. Air Force
Commander, Air Combat Command

Michael V. Cuff — 2018
MD Portfolio Operations, JFLCO
VP, Helicopter & Surface Systems, Honeywell

T. Michael Dyer — 2014
Co-Chairman, Blank Rome
Leader in maritime law, government contracting

Adm. Thomas B. Fargo — 2008
Chairman, Huntington Ingalls
Commander-in-Chief, U.S. Pacific Fleet

Frederick J. Harris — 2017
President of General Dynamics Bath Iron Works and NASSCO

Adm. Paul D. Miller — 2005
CEO, Alliant Techsystems
Commander-in-Chief, U.S. Atlantic Command

Will Roper — 2022
Assistant Secretary of the Air Force
Founder, Strategic Capabilities Office within Office of the Secretary of Defense

John William Shirley — 2005
Program Manager, Seawolf and Virginia Class Nuclear Submarines

Year Joined JFLCO

Appendix

JFL Equity Investors IV, L.P. (2016 vintage)

(in US$)

Commitment Summary (as of 31-Mar-23)	Amount	% of Original Commitment
Original Committed Capital	$6,000,000	
Net Contributed Capital	5,883,400	
Remaining Available Capital [1]	$116,600	1.9%
Distribution Summary (as of 31-Dec-22)		
Cumulative Distributions	$13,591,901	
Capital Account Balance (as of 31-Dec-22)	$1,722,972	

Inception-to-Date Performance (as of 31-Dec-22)

	Gross	Net
IRR	44.6%	36.0%
TVPI	3.3x	2.6x
DPI	2.9x	2.2x

Past performance is not a guarantee nor an indicator of future results. Please see Notes to Investment Performance for additional detail.

(1) Excludes recyclable amounts

JFL Equity Investors V, L.P. (2020 vintage)

(in US$)

Commitment Summary (as of 31-Mar-23)	Amount	% of Original Commitment
Original Committed Capital	$9,000,000	
Net Contributed Capital	7,111,511	
Remaining Capital	$1,888,489	
Less MWRA's Share of JFL V LOC (1)	(1,167,194)	
Pro forma Est. Remaining Available Capital (2)	$721,295	8.0%
Distribution Summary (as of 31-Dec-22)		
Cumulative Distributions	-	
Capital Account Balance (as of 31-Dec-22)	$8,769,263	

Inception-to-Date Performance (as of 31-Dec-22)

	Gross	Net
IRR	18.8%	15.1%
TVPI	1.4x	1.2x
DPI	0.0x	0.0x

Past performance is not a guarantee nor an indicator of future results. Please see Notes to Investment Performance for additional detail.

(1) Represents MWRA's pro rata share of the $173.5 million estimated principal balance on JFL Fund V's capital call line of credit as of March 2023.
(2) Excludes recyclable amounts

ORGANIZATIONAL CHART

February 2023

Investment Professionals

- Louis N. Mintz, Partner
- Stephen L. Brooks, Partner
- C. Alexander Harman, Partner
- Glenn M. Shor, Partner
- John F. Lehman, Chairman, Founding Partner
- Donald Glickman, Founding Partner
- William J. Hanenberg, Managing Director
- Michael S. Friedman, Managing Director
- David F. Thomas, Managing Director
- R. Benjamin Hatcher, Principal
- Kevin Vallès, Principal
- Michael W. Cueter, Vice President
- Zachary R. Mattler, Vice President
- Alec M. Schmidt, Vice President
- Tyler W. Creamer, Vice President
- Alfred E. Johansen, Vice President
- Luke T. Zabinski, Senior Associate
- Bridget A. Harding, Senior Associate
- William P. Brown, Associate
- Nicholas J. Andonian, Associate
- James G. Dudzik, Associate
- Jake T. Korek, Associate
- Aidan A. Thomas, Associate
- Peter G. Kohler, Associate
- Cianan E. Moore, Associate
- Sam C. Mecha, Analyst
- Bailee D. Glass, Analyst

Portfolio Operations

- Larry J. Phillips, Managing Director, Portfolio Operations
- Erik P. Toth, Managing Director, Portfolio Operations
- Michael J. Greenspan, Principal, Portfolio Operations
- Jason S. Reaves, Vice President, Portfolio Operations
- Kellan M. Strain, Vice President, Portfolio Operations
- Rikke L. Gilespie, Vice President, Portfolio Operations

Operating Executive Board: 14 Senior-level Executives and High-ranking Officers

Finance & Administration

- Lisa M. Steffens, Managing Director, Fund Finance & Operations
- David L. Rattner, Managing Director, Legal, Administration & Compliance
- Karina Perelmuter, Director of Marketing & Investor Relations
- Megan E. Kanefsky, Vice President, Human Capital
- Michael P Leber, Director of Finance & Accounting
- Sarah J. Cabrera, Controller
- Yuan Maynard, Senior Accountant
- Stephanie Ng, Associate Director
- Tyrone Horton, Administration
- Michaela S Ng, Administration
- Sharnell Burgess, Administration
- Natalie Ramos, Administration

ENDNOTES & DISCLOSURES

pp.5: Three Decades of Discipline, Focus and Refinement

Fund I & Predecessor Investments. Represents the capital committed for the nine investments completed by members of the Investment Team and Operating Executive Board prior to the raising of Fund II in 2005-06. Please see Notes to Investment Performance for additional detail.

All Funds Since Inception. Figures exclude the Continuation Fund as it is a single asset fund and not relevant.

p.6: Track Record Since Inception

Add-ons. Unrealized and total add-ons are pro forma for the acquisition of TransAsh, which closed on 1/13/2023.

Figures. Figures represent all investments since inception, excluding the Continuation Fund as it is a single asset fund and not relevant.

Holding Period. Holding periods are calculated using a weighted average based on each investment's Holding Period and the amount of Fund Capital per investment.

Hypothetical Net Performance. Represents the hypothetical annual, compounded net internal rate of return for all investments excluding the Continuation Fund as it is a single asset fund and not relevant . Please see Notes to Investment Performance for additional detail.

p. 9: Value Creation & Exit

Value Creation Playbook. Chart represents select value creation initatives for recent realizations (including IMIA, BEI, NorthStar and Lone Star Disposal) for illustrative purposes only and should not be relied upon as the complete value creation playbook. Additional detail available upon requestion

Holding Period, MOIC and IRR. Platform investments American Scaffold ("ASI") and IMIA were combined into IMIA Group in April 2021; and platform investments NorthStar and Waste Control Specialists ("WCS") were combined into NorthStar Group in November 2020. Return figures represent aggregate returns for combined investments and holding periods are calculated using a weighted average based on each investment's Holding Period and the amount of Fund Capital per investment.

GENERAL NOTES AND TERMINOLOGY

JFLCO is an investment adviser registered with the Securities and Exchange Commission ("SEC") under the Investment Advisers Act of 1940, as amended (the "Advisers Act"). JFLCO serves as investment manager to JFL Equity Investors VI, L.P ("Fund VI"). JFLCO has engaged the services of Credit Suisse Securities (USA) LLC together with its affiliates ("CSS") to solicit prospective investors to acquire interests in Fund VI (each an "Interest").

Credit Suisse has introduced you to JFLCO in connection with a prospective investment in Fund VI. In connection with this introduction, Credit Suisse is not a current client of or investor in any product advised by JFLCO. Credit Suisse will receive compensation from JFLCO as a percentage of capital committed by investors that Credit Suisse introduces to JFLCO, generally calculated as a rate up to 2.50% of the aggregate principal amount of securities sold to such investor, plus in certain cases interest on unpaid fee balances at an annual interest rate generally equal to the 180-day average of the Secured Overnight Financing Rate plus 2.00%. Notwithstanding which party amongst Fund VI, the General Partner, or JFLCO ultimately actually pays such compensation to Credit Suisse, the investors in Fund VI do not bear and are not responsible for the economic impact of the Fee. The economic impact of such compensation is ultimately borne by Fund VI general partner and/or JFLCO. JFLCO also has agreed to reimburse Credit Suisse for reasonable out of pocket expenses and to indemnification consistent with engagements of this type.

Fund VI is a newly organized entity and has no prior operating history or track record for a prospective investor to consider. For JFLCOs active partnerships, the performance information contained herein is as of December 31, 2022 unless otherwise stated.

Funds II, III, IV and V performance includes all related Parallel Funds and Alternative Investment Funds (if any).

References to "Active Funds" mean collectively Funds III, IV and V, and excludes JFL-NG Continuation Fund, L.P (the "Continuation Fund"), the single asset continuation fund closed in October 2021. For additional detail, see Footnotes to Performance Table in Notes to Performance.

References to "Holding Period" mean the length of time the relevant fund has held a portfolio company based on the initial investment date; fund-level Holding Period is calculated using a weighted average based on each platform investment's Holding Period and the amount of Fund Capital per investment.

References to "Fund Capital" mean the aggregate amount of capital invested in a portfolio company by the relevant funds (or, in the case of Pre-Fund Investments (as defined below), investors). Fund Capital excludes Bridge Investments and co-investments by selling shareholders, management, limited partners in JFLCO-sponsored funds, financing sources and other third-party investors.

References to "Fully/Substantially Realized" Investments mean investments that have been completely or partially exited to third parties.

References to "Active Investments" mean partially realized and unrealized investments, which as of December 31, 2022, consist of the following Fund III, Fund IV and Fund V investments: Trident Maritime (incorporating the merger of Fund III platform investments in US Joiner and IMECO), AGI, Lake Shore Systems, Inland Pipe Rehabilitation, CodeMettle, Integrated Global Services, Global Marine Group, Entact, CTS, Trillium, NorthStar Group and Narda-MITEQ.

GENERAL NOTES AND TERMINOLOGY (cont'd)

References to "Environmental & Infrastructure Investments (or "E & I Investments or Portfolio") mean investments in the Environmental & Infrastructure Subsector, which as of December 31, 2022, consist of the following Fund III, Fund IV and Fund V investments: National Response Corp., Sprint Energy Services, NRCG, NorthStar, WCS, Inland Pipe Rehabilitation, Lone Star Disposal, Integrated Global Services, Global Marine Group, Entact and NorthStar Group. NorthStar Group in the Continuation Fund is excluded. While JFLCO believes the designated E&I Investments have a positive effect on one or more environmental or social issues, such designation is not intended to suggest the primary purpose of any such investment was the environmental or social impact.

Reference to quartile performance is measured against Cambridge Associates Global Buyout Net IRR Benchmark as of June 30, 2022. The Cambridge Associates LLC Global Buyout and Growth Equity Index® is a horizon calculation based on data compiled from buyout and growth equity funds, including fully liquidated partnerships, formed between 1995 and 2022. Partnership financial statements and narratives are the primary source of information concerning cash flows and ending residual/net asset values (NAV) for both partnerships and portfolio company investments. This benchmark is a broad-based index which is used for comparative purposes only and has been selected as it is well known and easily recognizable by investors. Comparisons to benchmarks have limitations because benchmarks have material characteristics that may differ from a JFLCO-managed fund. For example, investments made for a JFLCO-managed fund may differ significantly in terms of security holdings, industry weightings and asset allocation from those of the benchmark. Accordingly, investment results of a JFLCO-managed fund may differ from those of the benchmark. Investors should carefully consider these limitations and differences when evaluating the comparative benchmark data performance.

References to Pitchbook and S&P middle-market industry figures are used for comparative purposes only and were selected based on JFLCO's primary focus in the middle market. Comparisons have limitations as industry transactions may materially differ from a JFLCO transaction. Investors should carefully consider these limitations and differences when evaluating the comparative data.

References to "Fund I & Predecessor Investments" includes the nine investments completed by members of the Investment Team and Operating Executive Board prior to the raising of Fund II in 2005-06. These include (i) the firm's initial investments as a "fundless sponsor" in Accudyne & Kilgore and Sperry Marine through special purpose entities formed specifically for each transaction (the "Pre-Fund Investments"), (ii) six investments in Fund I, a 1997 vintage partnership with $130.1 million in capital commitments, and (iii) J.F. Lehman Equity Investors I-A, L.P. ("Fund I-A"), a 2004 "annex" fund which raised $16.7 million in capital commitments from investors in Fund I in connection with the investment in Racal Acoustics.

References to "Non-Representative Investments" relate to five transactions since the firm's inception that the Partners believe are no longer consistent with JFLCO's core investment strategy including (i) three Fund I investments (Burke, Elgar and Special Devices) purchased in 1997 and 1998 where JFLCO employed aggressive leverage to purchase companies through highly competitive auctions for premium multiples during peaks in their respective market cycles, and (ii) two Fund II early stage investments (Hawaii Superferry and Defense Venture Group) that had limited or no operating history. "Representative Investments" refer to all other investments. Detailed case studies of each JFLCO investment are available upon request.

References to "Realized Value" represent cash distributions from portfolio companies and proceeds paid upon sale or other exit transactions (including cash dividends, interest, ordinary income, capital gains and return of capital).

GENERAL NOTES AND TERMINOLOGY (cont'd)

References to "Total Value" represent the sum of Realized Value and Unrealized Value, which is the remaining value of a fund's interest in an investment. Unrealized Value is based on JFLCO's estimate of the fair market value of such interest in accordance with its valuation policy. In determining Unrealized Value, consideration is given to the financial condition and operating results of the portfolio company, the value of comparable companies and other relevant factors pursuant to JFLCO's valuation policy. There can be no assurance that any Unrealized Value will be realized at the valuations shown, as actual realized returns will depend on, among other factors, future operating results, the value of the assets and market conditions at the time of disposition, any related transaction costs and the time and manner of sale, all of which may differ from the assumptions on which the valuations contained herein are based. Accordingly, the actual realized returns may differ materially from the returns indicated herein. Additional information regarding JFLCO's valuation policy and current investment valuations is available upon request.

Gross Performance

References to "Gross MOIC" represent Total Value expressed as a multiple of the Fund Capital invested. All Gross MOIC amounts exclude the allocation of any fund-level fees and expenses, carried interest or taxes, which in the aggregate may be substantial. The calculation of Gross MOIC with respect to Active Investments is inclusive of Unrealized Value, which is based on JFLCO's estimate of the fair market value of such investment in accordance with its valuation policy. Gross MOIC reflects a de minimis reinvestment of proceeds where applicable. Realized Gross MOIC represent the Gross MOIC for Fully/Substantially Realized Investments.

References to "Gross IRR" represent annual, compounded gross internal rates of return calculated based on capital inflows and outflows for each portfolio company. As it relates to capital calls for acquisitions and follow-on investments and distributions related to dividend recapitalizations or exits, Gross IRR reflects such capital inflows and outflows as if they occurred on the dates of such transaction. As it relates to other capital calls and distributions, Gross IRR generally reflects such inflows and outflows according to the actual dates of such inflows from and outflows to fund investors. All Gross IRR amounts exclude the allocation of any fund-level fees and expenses, carried interest or taxes, which in the aggregate may be substantial.

The calculation of Gross IRR is inclusive of Unrealized Value, which is based on JFLCO's estimate of the fair market value of such investment in accordance with its valuation policy. Gross IRR reflects a de minimis reinvestment of proceeds where applicable. Realized Gross IRR represent the Gross IRR for Fully/Substantially Realized Investments.

Gross IRR for Fund I & Predecessor Investments assumes all investments were made as of a common start date ("Common Start Date Methodology"); Gross IRR based on capital inflows and outflows for these investments is 127.9% (Hypothetical Net IRR of 106.7%) for Fund I & Predecessor Representative Investments and 116.5% (Net IRR of 85.0%) for all Fund I & Predecessor Investments. These metrics are not considered meaningful nor accurately representative of performance.

The calculation of aggregate Gross IRR for portfolio companies acquired across different funds (e.g., Gross IRR Since Inception, Realized Gross IRR Since Inception, Gross IRR of E & I Investments and Realized Gross IRR of E & I Investments) is an estimate calculated utilizing the Common Start Date Methodology and does not represent actual returns to any investor. Gross IRR Since Inception includes each of the two Pre-Fund Investments, Fund I, Fund I-A, Fund II, Fund III, Fund IV and Fund V. Gross IRR Since Inception based on actual dates of capital inflows and outflows for each portfolio company is 116.5% for all Fully/Substantially Realized Investments, 16.8% for Active Investments and 116.5% for all JFLCO Investments (Hypothetical Net IRR of 87.0%, 12.9%, and 87.0%, respectively). These metrics are not considered meaningful nor accurately representative of performance. Gross IRR and Realized Gross IRR of E & I Investments based on actual dates of capital inflows and outflows for each portfolio company is 31.7% and 35.7% (Hypothetical Net IRR of 26.1% and 29.8%), respectively.

Gross Distributions to paid-in capital ("Gross DPI") is equal to total cash distributions from portfolio companies and proceeds paid upon sale or other exit transactions (including cash dividends, interest, ordinary income, capital gains and return of capital) divided by total fund capital.

GENERAL NOTES AND TERMINOLOGY (cont'd)

Net Performance

References to "Net Performance" (Net MOIC and Net IRR) for both realized and unrealized amounts represent the deduction of any fund-level fees and expenses incurred, carried interest (whether accrued or paid) and taxes incurred that may be allocable to limited partners in such funds. Net IRR and Net MOIC reflect a de minimis reinvestment of proceeds where applicable.

Prior to Fund IV, JFLCO did not use subscription or capital call lines of credit. Fund IV and Fund V have a subscription line to allow for enhanced cash management and to provide short-term financing prior to the receipt of capital contributions. Fund VI expects to have a subscription line for similar uses. Net IRR in Fund IV and V include the benefits that result from utilizing subscription lines, including higher reported Net IRR figures than if a subscription line (or other leverage) had not been utilized.

Net IRR Since Inception is calculated utilizing the Common Start Date Methodology for each of the two Pre-Fund Investments, Fund I, Fund I-A, Fund II, Fund III, Fund IV and Fund V. Net Performance Since Inception is an estimate and does not represent actual returns to any investor. Net IRR Since Inception based on actual dates of capital inflows and outflows for these funds is 84.8%, and not considered meaningful nor accurately representative of performance. Net Performance for All Representative Investments is regarded as not meaningful.

Net IRR for Fund II, Fund III, Fund IV and Fund V represents the annual, compounded net internal rates of return calculated based on the actual dates and amounts of cash contributions from, and distributions or expected distributions to, the limited partners of such fund after the allocation of any fund-level fees and expenses incurred, carried interest (whether accrued or paid) and taxes incurred that may be allocable to limited partners.

Adjusted Net Performance for Fund III reflects illustrative cash flows assuming a 100% management fee offset for transaction and monitoring fees in lieu of the "budget based" offset provisions set forth in the limited partnership agreement governing Fund III. Add-back adjustments were made at mid-year points to approximate cash flows that would have occurred throughout the calendar year. Adjusted Net Performance does not represent actual returns to any investor.

Net IRR for Fund I & Predecessor Investments is calculated utilizing the Common Start Date Methodology for each of the two Pre-Fund Investments, Fund I and Fund I-A. Net IRR based on capital inflows and outflows for these investments is 85.0%, and not considered meaningful nor accurately representative of performance. Net IRR and Net MOIC for Fund I & Predecessor Investments include a pro forma management fee of 2% on Fund Capital and 20% carried interest for Pre-Fund Investments and Fund I-A. Net IRR for Fund I & Predecessor Investments also includes a $2.0 million investment in Redleaf Group ("Redleaf") completed by Fund I in 2000. Redleaf was a company that invests in venture capital opportunities and was not representative of JFLCO's investment strategy. The investment in Redleaf has been written down to zero and accounted for as a fund expense in the net return data for Fund I.

Net Distributions to paid-in capital ("Net DPI") is equal to total net distributions to limited partners divided by total paid-in capital (including fees and expenses and carried interest). Residual value to paid-in capital ("RVPI") is equal to the total Unrealized Value divided by total paid-in capital.

GENERAL NOTES AND TERMINOLOGY (cont'd)

Hypothetical Net Performance

The calculation of "Hypothetical Net Performance" (Hypothetical Net MOIC and Hypothetical Net IRR) for individual portfolio companies, groups of portfolio companies within the same fund (e.g., Fully/Substantially Realized, Active) and groups of portfolio companies across different funds (e.g., Realized Since Inception, E & I Investments) represents the annual, compounded net internal rate of return for such investments based on:

- WITH RESPECT TO AMOUNTS: (a) the actual amounts of cash contributions of Fund Capital from limited partners, (b) Hypothetical F&E Allocations (as defined below), and (c) hypothetical distributions to limited partners adjusted for Hypothetical GP Carry (as defined below).
- WITH RESPECT TO DATES: (i) the actual dates of cash contributions of Fund Capital from limited partners, (ii) Hypothetical F&E Calls (as defined below), and (iii) the actual dates of distributions to limited partners.

Each investment within a fund has been allocated a pro rata share of that fund's total fees and expenses since inception based on the cost of such investment relative to the overall cost of all investments in that fund (such amount, the "Hypothetical F&E Allocations"). Each investment's allocable share of such fees and expenses are assumed to have occurred at the midpoint of its holding period (such points in time, the "Hypothetical F&E Calls").

Each investment generating a profit (realized or unrealized) assumes the General Partner receives 20% of such profit on the distribution or valuation date (such amounts, "Hypothetical GP Profits Interest"). Each investment generating a loss (realized or unrealized) assumes investors receive 20% of such loss from the General Partner on the distribution or valuation date (such amounts, "Hypothetical GP Clawback" and together with "Hypothetical GP Profits Interest", the "Hypothetical GP Carry"); provided, however, that no Hypothetical GP Clawback has been assumed for investments in Fund I that were not subject to aggregation. Please note that as a result of this methodology, certain investments may generate a higher Hypothetical Net MOIC than such investment's Gross MOIC.

References to Hypothetical Net Performance for groups of portfolio companies across different funds is calculated utilizing the Common Start Date Methodology.

All Hypothetical Net Performance metrics are not considered meaningful nor accurately representative of performance and do not represent actual returns to any investor.

FOOTNOTES TO PERFORMANCE TABLES

1) Platform investments NorthStar and Waste Control Specialists ("WCS") were combined into NorthStar Group in November 2020. In accordance with procedures approved by Fund IV's Advisory Committee, NorthStar shareholders received 80% of the economic interests in NorthStar Group and WCS shareholders received the remaining 20%. The valuation of NorthStar Group beginning in December 2020 has been allocated to the original platform investments accordingly.

   In October 2021, affiliates of Fund IV completed the sale of NorthStar Group via a single asset secondary transaction pursuant to a process approved by the Limited Partner Advisory Committees of both Fund IV and Fund V and affiliated investment vehicles. The transaction resulted in a full monetization of NorthStar Group for Fund IV investors; simultaneously, investment affiliates of JFLCO continued to control the company through investments by (i) a continuation vehicle backed by longstanding and new institutional partners, (ii) Fund V, and (iii) the rollover of significant interests from NorthStar Group's senior management, electing investors in Fund IV and the Fund IV General Partner. Importantly, the transaction is expected to provide the resources required to support the company's next phase of growth and drive incremental value creation

1a) NorthStar Group performance figures and financial metrics in Fund V and the Continuation Fund are pro forma for the acquisition of Trans Ash, which closed on 1/13/2023.

2) Platform investments National Response Corporation ("NRC") and Sprint Energy Services ("Sprint") were combined into NRC Group Holdings, LLC ("NRCG") in June 2018. In accordance with procedures approved by Fund III's Advisory Committee, NRC shareholders received 65% of the economic interests in NRCG and Sprint shareholders received the remaining 35%. NRCG became publicly listed in October 2018 in connection with its sale to Hennessey Capital Acquisition Corp., a special purpose acquisition corporation. At that time, Fund IV acquired a modest structured equity position in the company in conjunction with the public listing. On November 1, 2019, NRCG closed its previously announced merger with US Ecology, Inc. ("US Ecology") (NASDAQ: ECOL). ECOL common stock was the basis for the valuations. On May 4, 2020, JFLCO completed the final in-kind distribution of shares of US Ecology common stock to investors.

3) Platform investments American Scaffold ("ASI") and IMIA were combined into IMIA Group in April 2021. In accordance with procedures approved by Fund IV's Advisory Committee, ASI shareholders received 20% of the economic interests in IMIA Group and IMIA shareholders received the remaining 80%. The valuation of IMIA Group beginning in June 2021 has been allocated to the original platform investments accordingly.

4) Fund III platform investment Trident Maritime Systems ("Trident") and Fund IV platform investment Lake Shore Systems ("Lake Shore") were combined into TMS Group in February 2021. In accordance with procedures approved by Fund III's and Fund IV's Advisory Committees, Trident shareholders received 85% of the economic interests in TMS Group and Lake Shore shareholders received the remaining 15%. The valuation of TMS Group beginning in March 2021 has been allocated to the original platform investments accordingly.

   Fund III platform investment AGI Holdings LLC ("AGI") was merged into TMS Group in April 2022. In accordance with procedures approved by Fund III's and Fund IV's Advisory Committees, Trident shareholders received 72.25% of the economic interests in TMS Group, Lake Shore shareholders received 12.75% of the economic interests in TMS Group, and AGI shareholders received the remaining 15%. The valuation of TMS Group beginning in June 2022 has been allocated to the original platform investments accordingly.

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NEPC, LLC

Firm: **Foundry**

Strategy/Product: **Venture Capital**

Client: **MWRA**

<u>NEPC Manager Due Diligence Questionnaire - Update</u>

Instructions

In support of our upcoming meeting we ask that you please complete this due diligence questionnaire. Please provide your responses in the form of brief descriptions, lists or tables added directly to this Word document.

Thank you for taking the time to complete this questionnaire. Please note that all materials submitted in relation to MWRA Retirement System may be subject to disclosure consistent with Massachusetts Public Record laws.

Firm/Organization

1. Have there been any changes in ownership or management in the past year? No

2. List firm AUM, net flows and accounts gained/lost for the past 5 years. At 3/31/2023, firm AUM (total commitments) is $3.12b.

3. Have there been any new or discontinued products in the past year? Yes, Foundry raised a new fund – Foundry 2022, LP. Current commitment is $518.8m

4. Are any products capacity constrained? N/A

5. Describe any current or pending regulatory, compliance or litigation issues and the expected business impact. None

6. Describe your diversity, equity and inclusion efforts with regard to the firm and its employees. As a small, 16 person firm, we employ very few formal structures for our operations. We view DEI goals as collective goals and look for everyone at Foundry to contribute to progress in reaching DEI goals. The last two investment professionals we hired were women.

Portfolio Management Team

1. Have there been any changes in the portfolio management team in the past year? No portfolio management changes in MWRA associated funds.

2. Are there any expected changes to the team in the future (planned additions or departures)? No planned changes in MWRA associated funds.

Process

1. Have there been significant changes in any of the areas below in the past year?
   - Identification of investment ideas No
   - Process for exploring and vetting ideas No
   - Portfolio trading practices including buy/sell rules No
   - Approach to portfolio monitoring and risk management No

Philosophy

1. Describe recent changes in investment philosophy, if any. None

Portfolio

1. If not included in your meeting presentation, provide portfolio holdings, sector exposure, geographic exposure and common characteristics (yield, duration, market cap, P/E, etc.). See presentation

2. List strategy AUM, net flows and accounts gained/lost for the past 5 years. AUM (fund commitments) for MWRA associated funds in $485m.

3. Describe investor concentration for the strategy and note the percent of AUM attributable to the top five investors. N/A

Performance / Market Outlook

1. If not included in your meeting presentation, provide trailing returns as of the most recent quarter-end and calendar year returns for the past 10 years, both relative to benchmark. See attachment.

2. Briefly discuss recent performance trends and identify environments in which the strategy is likely to be in or out of favor.

3. Describe your market outlook and how strategy positioning is impacted by your views.

4. Could you please include a slide in your presentation that sows the MWRA's account history, initial contribution, cumulative subsequent contributions, cumulative subsequent distributions, gain/loss and current value.

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April 2023 | MWRA Update

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In considering any performance information contained herein, you should bear in mind that past or projected performance is not necessarily indicative of future results, and there can be no assurance that any entity referenced herein will achieve comparable results or that return objectives, if any, will be met. Additionally, the target or expected return information included is based on a set of assumptions that might not be realized, and actual result might materially differ.

"FMV" (Fair Market Value) refers to an investment's unrealized value calculated through the application of Foundry's valuation policy. Please note that the FMVs referenced herein are estimated as of December 31, 2022 and are inherently uncertain and subject to change. There is no guarantee that such value will be ultimately realized by the applicable Foundry fund and co-investors or that such value reflects the actual value of the investments. As a result, it is important to note that the ultimate realized returns of these investments may vary materially and negatively from the FMVs included herein. FMVs do not reflect the deduction of any applicable management fees, 'carried interest', taxes, and other expenses, including but not limited to any transaction costs in connection with the disposition of such investment, borne by limited partners and which will reduce returns.

"Net IRR" is an annualized since inception net internal rate of return of cash flows to and from the fund and the fund's residual value at the end of the measurement period. Net IRRs reflect returns to the limited partners. The cash flow dates used in the Net IRR calculations are based on the actual dates of the cash flows. The Net IRRs are calculated after giving effect to management fees, carried interest, as applicable, and other expenses. The funds may utilize a credit facility during the investment period and for general cash management purposes.

"Gross IRR" represents an annualized since inception gross internal rate of return of cash flows to and from the fund and the fund's residual value at the end of the measurement period. Gross IRR reflects returns to the fee-paying limited partners and, if applicable, excludes interests attributable to the non-fee paying limited partners and/or the general partner which does not pay management fees or carried interest. The cash flow dates used in the Gross IRR calculation are based on the actual dates of the cash flows. The Gross IRRs are calculated before giving effect to management fees, carried interest, other expenses and taxes, as applicable.

"Net DPI" represents all cumulative distributions to the limited partners as of period end divided by the cumulative limited partner contributions and shows the limited partners' investments realized return as a multiple of its cost basis. An individual investor's DPI may vary from the stated Fund DPI.

"Net TVPI" represents the overall realized return on an investment, which has been calculated using all limited partner cash flows (excluding general partner's capital) that are from capital called, distributed and the LP ending capital balance as of period end. It is the return that equates to all cumulative distributed returns and the residual value of the investment, divided by the limited partner contributions and shows the investments total value as a multiple of paid in capital. Net TVPI is calculated after the application of management fees, allocable fund expenses (including interest from the capital call credit facility) and carried interest. An individual investor's Net TVPI may vary from the stated Fund Net TVPI.

"Gross TVPI" represents the overall realized return on an investment, which has been calculated using the realized and unrealized value of the fund. It is that sum divided by the total cash contributions of the investment and shows the investments total value as a multiple of total paid in capital. Gross TVPI is calculated before the application of management fees, allocable fund expenses (including interest from the capital call credit facility) and carried interest. An individual investor's Gross TVPI may vary from the stated Fund Gross TVPI.

Logos of portfolio companies included on the fund investments slides are provided for illustrative purposes and do not include the logos of all portfolio companies.

The charts, tables, and graphs contained in this document are not intended to be used to assist the reader in determining which securities to buy or sell or when to buy or sell securities. Additional information is available upon request. Unless otherwise noted, the source of information for the charts, graphs, and other materials contained herein is Foundry.

Foundry Venture Capital 2007, L.P.

December 31, 2022

Fund Summary

Foundry Venture Capital 2007, L.P.

Key Metrics

Vintage	2007
Fund Capital	$232.0m
Capital Called | % of Total Fund	$228.5m | 98.5%
Capital Invested | % of Total Fund	$257.1m | 110.8%
Realized Value | Unrealized Value	$1,428.4m | $19.8m
% Invested + Reserved	110.8%
Gross TVPI | Net TVPI | Net DPI	6.5x | 5.0x | 4.9x
Gross IRR | Net IRR	56.1% | 42.8%

MWRA Summary

Foundry Venture Capital 2007, L.P.

Capital Commitment	$3,000,000
Capital Called | %	$2,955,000 | 98.5%
Initial Contribution | Follow-on Contributions	$285,000 | $2,670,000
Distributions	$14,537,349
NAV	$207,066
Net TVPI	5.0x
Net IRR	42.8%

Remaining portfolio

Material Positions

AppDirect	sovrn	sphero	Stocktwits
End-to-end cloud commerce platform for digital service delivery	Publisher platform offering data and insights to content creators	Programmable robots and STEAM-based educational tools	Financial communication platform
Cost | FMV: **$5.1m | $2.1m**	Cost | FMV: **$13.4m | $2.7m**	Cost | FMV: **$11.9m | $10.9m**	Cost | FMV: **$8.3m | $3.2m**
EV: **$741m**	EV: **$265m**	EV: **$178m**	EV: **$33m**
Ownership: **0.5%**	Ownership: **1.3%**	Ownership: **6.4%**	Ownership: **14.6%**
*from Standing Cloud	*from Lijit		

Foundry Venture Capital 2010, L.P.

December 31, 2022

Fund Summary

Foundry Venture Capital 2010, L.P.

Key Metrics

Vintage	2010
Fund Capital	$232.0m
Capital Called | % of Total Fund	$226.7m | 97.8%
Capital Invested | % of Total Fund	$249.7m | 107.7%
Realized Value | Unrealized Value	$337.7m | $567.0m
% Invested + Reserved	108.5%
Gross TVPI | Net TVPI | Net DPI	4.1x | 3.1x | 1.1x
Gross IRR | Net IRR	19.5% | 14.5%

MWRA Summary

Foundry Venture Capital 2010, L.P.

Capital Commitment	$3,000,000
Capital Called | %	$2,932,500 | 97.8%
Initial Contribution | Follow-on Contributions	$75,000 | $2,857,500
Distributions	$3,255,566
NAV	$5,902,784
Net TVPI	3.1x
Net IRR	14.5%

Key companies driving portfolio value

AIRSHIP

Multi-channel marketing platform for driving mobile engagement

Cost | FMV: **$16.8m | $38.0m**

EV: **$376m**

Ownership: **9.1%**

aUTHENTIC8

Virtual browser for web security

Cost | FMV: **$10.0m | $10.5m**

EV: **$117m**

Ownership: **7.5%**

jumpcloud

All-in-One User Access Control & Device Management

Current Cost | FMV: **$6.0m | $252.8m**

EV: **$2.6b**

Ownership: **9.3%**

Realized: **$31.9m**

PANTHEON

WebOps platform designed to develop professional websites

Cost | FMV: **$9.8m | $147.0m**

EV: **$1.2b**

Ownership: **12.3%**

SUZY

Consumer research software platform

Cost | FMV: **$15.3m | $55.3m**

EV: **$292m**

Ownership: **17.7%**

techstars_

Startup accelerator

Current Cost | FMV: **$0.1m | $33.5m**

EV: **$600m**

Ownership: **5.6%**

Realized: **$1.2m**

Foundry Venture Capital 2010 Annex, L.P.

December 31, 2022

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Proprietary and Confidential

Fund Summary

Foundry Venture Capital 2010 Annex, L.P.

Key Metrics

Vintage	2015
Fund Capital	$20.7m
Capital Called | % of Total Fund	$20.7m | 100%
Capital Invested | % of Total Fund	$20.5m | 98.9%
Realized Value | Unrealized Value	$34.3m | $106.3m
% Invested + Reserved	98.9%
Gross TVPI | Net TVPI | Net DPI	6.8x | 5.6x | 1.5x
Gross IRR | Net IRR	40.7% | 35.7%

MWRA Summary

Foundry Venture Capital 2010 Annex, L.P.

Capital Commitment	$268,205
Capital Called | %	$268,205 | 100%
Initial Contribution | Follow-on Contributions	$93,120 | $175,085
Distributions	$407,252
NAV	$1,100,553
Net TVPI	5.6x
Net IRR	35.7%

Remaining portfolio

aUTHENTIC8	jumpcloud	FullContact
Virtual browser for web security	All-in-One User Access Control & Device Management	All-in-One User Access Control & Device Management
Cost | FMV: **$2.0m | $2.0m**	Current Cost | FMV: **$3.1m | $103.7m**	Cost | FMV: **$2.0m | $0.6m**
EV: **$117m**	EV: **$2.6b**	EV: **$18m**
Ownership: **1.3%**	Ownership: **3.8%**	Ownership: **1.8%**
	Realized: **$13.1m**	

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Thank You

Q&A

Foundry Venture Capital 2007, LP
MWRA Employees' Retirement System
12/31/2022

	Date		
Initial Contribution	11/15/2007	$	285,000
Follow-on Contribution	1/23/2008	$	18,750
Follow-on Contribution	3/21/2008	$	30,000
Follow-on Contribution	4/17/2008	$	97,500
Follow-on Contribution	6/24/2008	$	195,000
Follow-on Contribution	7/16/2008	$	142,500
Follow-on Contribution	9/29/2008	$	7,500
Follow-on Contribution	10/16/2008	$	60,000
Follow-on Contribution	11/4/2008	$	22,500
Follow-on Contribution	12/9/2008	$	52,500
Follow-on Contribution	4/4/2009	$	97,500
Follow-on Contribution	4/30/2009	$	105,000
Follow-on Contribution	6/19/2009	$	60,000
Follow-on Contribution	8/20/2009	$	22,500
Follow-on Contribution	9/30/2009	$	37,500
Follow-on Contribution	10/15/2009	$	82,500
Follow-on Contribution	10/28/2009	$	30,000
Follow-on Contribution	3/16/2010	$	37,500
Follow-on Contribution	4/5/2010	$	67,500
Follow-on Contribution	4/30/2010	$	180,000
Follow-on Contribution	5/14/2010	$	22,500
Follow-on Contribution	5/25/2010	$	60,000
Follow-on Contribution	6/18/2010	$	105,000
Follow-on Contribution	8/3/2010	$	30,000
Follow-on Contribution	9/1/2010	$	75,000
Follow-on Contribution	9/22/2010	$	67,500
Follow-on Contribution	11/2/2010	$	52,500
Follow-on Contribution	11/30/2010	$	22,500
Follow-on Contribution	1/3/2011	$	22,500
Follow-on Contribution	2/22/2011	$	15,000
Follow-on Contribution	3/31/2011	$	75,000
Follow-on Contribution	4/19/2011	$	120,000
Follow-on Contribution	6/30/2011	$	30,000
Follow-on Contribution	8/16/2011	$	37,500
Follow-on Contribution	9/27/2011	$	157,500
Follow-on Contribution	12/14/2011	$	210,000
Follow-on Contribution	9/28/2012	$	45,000
Follow-on Contribution	11/30/2012	$	30,000
Follow-on Contribution	1/4/2013	$	22,500
Follow-on Contribution	3/28/2013	$	93,750
Follow-on Contribution	4/1/2014	$	30,000
		$	**2,955,000**
Distributions	2/12/2010	$	(145,016)
Distributions	7/13/2010	$	(194,778)
Distributions	2/17/2011	$	(158,101)
Distributions	3/22/2011	$	(266,376)
Distributions	12/13/2011	$	(905,333)
Distributions	5/29/2012	$	(2,697,729)
Distributions	5/23/2014	$	(340,466)
Distributions	10/31/2014	$	(109,954)
Distributions	6/24/2015	$	(1,787,428)
Distributions	7/21/2015	$	(108,918)
Distributions	11/19/2015	$	(1,072,433)
Distributions	12/10/2015	$	(358,709)
Distributions	2/11/2016	$	(1,007,539)
Distributions	3/30/2016	$	(968,040)
Distributions	5/3/2016	$	(1,233,331)
Distributions	9/28/2016	$	(411,154)
Distributions	12/16/2016	$	(333,783)
Distributions	2/9/2017	$	(230,771)
Distributions	2/14/2017	$	(186,240)
Distributions	4/13/2018	$	(495,333)
Distributions	7/9/2018	$	(484,843)
Distributions	9/13/2018	$	(275,421)
Distributions	9/18/2018	$	(734,614)
Distributions	9/2/2022	$	(31,040)
		$	**(14,537,349)**
Gains/(Losses)		$	11,789,415
Current Account Value		***$***	***207,066***

Foundry Venture Capital 2010, LP
MWRA Employees' Retirement System
12/31/2022

	Date		
Initial Contribution	10/12/2010	$	75,000
Follow-on Contribution	11/24/2010	$	75,000
Follow-on Contribution	12/28/2010	$	150,000
Follow-on Contribution	3/30/2011	$	60,000
Follow-on Contribution	5/5/2011	$	22,500
Follow-on Contribution	6/29/2011	$	150,000
Follow-on Contribution	7/22/2011	$	67,500
Follow-on Contribution	8/26/2011	$	67,500
Follow-on Contribution	9/30/2011	$	67,500
Follow-on Contribution	11/4/2011	$	60,000
Follow-on Contribution	12/7/2011	$	180,000
Follow-on Contribution	2/16/2012	$	37,500
Follow-on Contribution	3/26/2012	$	120,000
Follow-on Contribution	4/6/2012	$	262,500
Follow-on Contribution	5/17/2012	$	37,500
Follow-on Contribution	6/5/2012	$	105,000
Follow-on Contribution	6/28/2012	$	82,500
Follow-on Contribution	7/18/2012	$	37,500
Follow-on Contribution	9/4/2012	$	120,000
Follow-on Contribution	10/30/2012	$	172,500
Follow-on Contribution	12/6/2012	$	45,000
Follow-on Contribution	1/25/2013	$	45,000
Follow-on Contribution	2/14/2013	$	30,000
Follow-on Contribution	3/6/2013	$	30,000
Follow-on Contribution	4/26/2013	$	60,000
Follow-on Contribution	8/15/2013	$	37,500
Follow-on Contribution	8/22/2013	$	45,000
Follow-on Contribution	1/28/2014	$	60,000
Follow-on Contribution	3/21/2014	$	75,000
Follow-on Contribution	5/5/2014	$	60,000
Follow-on Contribution	9/2/2014	$	180,000
Follow-on Contribution	10/1/2014	$	30,000
Follow-on Contribution	3/5/2015	$	56,250
Follow-on Contribution	3/30/2015	$	52,500
Follow-on Contribution	6/16/2015	$	131,250
Follow-on Contribution	12/16/2016	$	45,000
		$	**2,932,500**
Distributions	9/11/2013	$	(516,984)
Distributions	11/21/2014	$	(258,667)
Distributions	7/3/2018	$	(262,479)
Distributions	8/30/2018	$	(133,333)
Distributions	11/16/2018	$	(200,000)
Distributions	6/11/2019	$	(285,621)
Distributions	2/7/2020	$	(77,600)
Distributions	6/23/2020	$	(12,933)
Distributions	1/21/2021	$	(200,467)
Distributions	6/28/2021	$	(256,581)
Distributions	12/21/2021	$	(973,301)
Distributions	6/21/2022	$	(77,600)
		$	**(3,255,566)**
Gains/(Losses)		$	6,225,850
Current Account Value		***$***	***5,902,784***

Foundry Venture Capital 2010 Annex, LP
MWRA Employees' Retirement System
12/31/2022

	Date		
Initial Contribution	8/25/2015	$	93,120
Follow-on Contribution	10/19/2015	$	70,810
Follow-on Contribution	11/24/2015	$	25,220
Follow-on Contribution	9/26/2016	$	51,895
Follow-on Contribution	12/16/2016	$	27,160
		$	**268,205**
Distributions	7/3/2018	$	(191,460)
Distributions	6/11/2019	$	(36,890)
Distributions	2/7/2020	$	(39,855)
Distributions	6/23/2020	$	(3,621)
Distributions	8/13/2021	$	(60,191)
Distributions	12/10/2021	$	(75,236)
		$	**(407,253)**
Gains/(Losses)		$	1,239,601
Current Account Value		***$***	***1,100,553***