

**MercedCERA RETIREMENT BOARD AGENDA  
THURSDAY, NOVEMBER 10, 2022 – 8:15 A.M.  
MERCED COUNTY EMPLOYEES’ RETIREMENT ASSOCIATION**

**MERCED COUNTY ADMINISTRATION BUILDING  
2222 M STREET, MERCED  
LOS BANOS AND LIVINGSTON CONFERENCE ROOMS, BASEMENT  
ZOOM CONFERENCE**

<https://us06web.zoom.us/j/93030195748?pwd=NGhFeGltSVhaSTlsK2JGWE83TVFvdz09>  
**DIAL IN NUMBER: 669-900-6833, MEETING ID: 930 3019 5748, PASSCODE: 095484**  
(FOR USE ONLY IF ZOOM CONNECTION MALFUNCTIONS)  
TELEPHONE NUMBER: 1-310-372-7549, CONFERENCE CODE: 975839

**CALL TO ORDER** - 8:15 A.M.

**Important Notice Regarding SARS-COV-2**

In order to minimize the spread of COVID-19, the Board of Retirement is meeting at the County of Merced Administration Building conference center to provide for sufficient social distancing for the Board and members of the public. Additionally, members of the MercedCERA Board as well as members of the public may elect to participate in this meeting offsite via conference call. Members of the public may attend the meeting in person or listen to the meeting and offer public comment telephonically by calling into the telephone number provided above and entering the stated conference code. If you have any issues participating in the meeting telephonically or require reasonable accommodation for your participation, please contact MercedCERA staff at 209-726-2724. Please turn your cell phone or other electronic device to non-audible mode.

**ROLL CALL**

**APPROVAL OF MINUTES** – October 27, 2022

**PUBLIC COMMENT**

Members of the public may comment on any item under the Board’s jurisdiction including items on the Board’s agenda. Matters presented under this item will not be discussed or acted upon by the Board at this time. Persons addressing the Board will be limited to a maximum of five (5) minutes in total. Please state your name for the record.

**CONSENT CALENDAR**

Consent matters are expected to be routine and may be acted upon, without discussion, as one unit. If an item is taken off the Consent Calendar for discussion, it will be heard as the last item(s) of the Board Action/Discussion as appropriate.

**RETIREMENTS:** Pursuant to Govt. Code § 31663.25 or § 31672

All items of earnable compensation for service or disability retirements listed below are in compliance with the pay code schedule approved by the Board of Retirement. The retirement is authorized; however, administrative adjustments may be necessary to alter the amount due to: audit, late arrival of data, court order, etc.

- |                        |                |              |                 |
|------------------------|----------------|--------------|-----------------|
| a. Stephenson, Michael | D.P.W.         | 5 Yrs. Svc.  | Eff: 10/22/2022 |
| b. Duree, Karen        | Superior Court | 23 Yrs. Svc. | Eff: 10/29/2022 |

c. Les, Catherine	Library	3 Yrs. Svc.	Eff: 10/01/2022
d. Prouty, David	B.H.R.S.	1 Yrs. Svc.	Eff: 10/18/2022
e. Bower Sr., Steven	H.S.A.	24 Yrs. Svc.	Eff: 11/02/2022

YTD fiscal year 2022/2023 retirees: 21  
YTD fiscal year 2021/2022 retirees: 96  
YTD fiscal year 2020/2021 retirees: 89

**MONTHLY BUDGET REPORT:** Submitted.

**VIRTUAL MEETINGS:** Reaffirm the adoption of Merced County Employee’s Retirement Association Resolution No. 2021-02, and its findings that the Governor’s proclaimed state of emergency related to the COVID-19 pandemic remains active, that the state of emergency impacts the ability of the Trustees and public to safely meet in person, and state or local officials continue to impose or recommend measures to promote social distancing.

**CLOSED SESSION**

As provided in the Ralph M. Brown Act, Government Code sections 54950 et seq., the Board may meet in closed session with members of its staff, county employees and its attorneys. These sessions are not open to the public and may not be attended by members of the public. The matters the Board will meet on in closed session are identified below. Any public reports of action taken in the closed session will be made in accordance with Government Code sections 54957.1.

**(1) DISCUSSION AND POSSIBLE ACTION REGARDING INVESTMENTS IN RECOMMENDED FUNDS, ROLL CALL VOTE REQUIRED.**

(Govt. Code § 54956.81)

1. Cliffwater to recommend two funds for investment.

**(2) DISABILITY RETIREMENT APPLICATIONS: PERSONNEL EXCEPTION**

(Govt. Code § § 54957, 31532; Cal Const. art. I, § 1)

1. Disability Hearing:
  - a. Prock, Herman
2. Disability update and possible action:
  - a. Arroyo, Elizabeth
  - b. Brooks, Roland
  - c. Castillo, Araceli
  - d. Cureton, Michael
  - e. Elias, Robert
  - f. French, Deborah
  - g. Kayser, Esther
  - h. Xiong, Leslie

**RETURN TO OPEN SESSION**

Report on any action taken in closed session.

**BOARD ACTION/DISCUSSION**

1. Discussion on new IRS forms W-4P and W-4R and MercedCERA relevant withholding instructions – Staff.

2. Discussion and possible action to approve the Plan Administrator to obtain a credit card on behalf of MercedCERA - Staff.
3. Discussion and possible action to adopt proposed Bylaws – Staff.
4. Discussion of changes with virtual attendance of MercedCERA Board Meetings – Staff.
5. Discussion and possible action on monthly performance with possible action on any manager or funds – Meketa.
6. Review calendar of any training sessions and authorize expenditures for Trustees and Plan Administrator. Pursuant to Govt. Code § 31522.8 and MercedCERA’s Trustees Education and Training Policy requirements. Examples of upcoming training and educational sessions:
  - CALAPRS General Assembly, March 4 - 7, 2023 Monterey, CA (registration not currently open)

**INFORMATION ONLY**

**MercedCERA UPCOMING BOARD MEETINGS**

Please note: The MercedCERA Board Meeting and/or Education Day times and dates may be changed in accordance with the Ralph M. Brown Act by the MercedCERA Board as required.

- December 8, 2022

**ADJOURNMENT**

The Agenda and supporting documentation, including any material that was submitted to the Merced County Employees’ Retirement Association Board after the distribution of the Agenda, are available online at [www.co.merced.ca.us/retirement](http://www.co.merced.ca.us/retirement).

All supporting documentation for Agenda items, including any material that was submitted to the retirement board after the distribution of the Agenda, is also available for public inspection Monday through Friday from 8:00 a.m. to 5:00 p.m. at the administrative office for the Merced County Employees’ Retirement Association located at 3199 M Street, Merced, California 95348.

Persons who require accommodation for a disability in order to review an agenda, or to participate in a meeting of the Merced County Employees’ Retirement Association per the American Disabilities Act (ADA), may obtain assistance by requesting such accommodation in writing addressed to Merced County Employees’ Association, 3199 M Street, Merced, CA 95348 or telephonically by calling (209) 726-2724. Any such request for accommodation should be made at least 48 hours prior to the scheduled meeting for which assistance is requested.

Persons who require accommodation for any audio, visual or other disability or Spanish or Hmong interpretation in order to review an agenda, or to participate in a meeting of the Merced County Employees’ Retirement Association per the American Disabilities Act (ADA), may obtain assistance by requesting such accommodation. Please address your written request to Merced County Employees’ Association, 3199 M Street, Merced, CA 95348 or telephonically by calling (209) 726-2724. Any such request for accommodation should be made at least 48 hours prior to the scheduled meeting for which assistance is requested.

Spanish and Hmong interpreters are available.

Interpretes de espanol y hmong estan disponibles.

Peb muaj tug paab txhais lug Mev hab Hmoob.

**MercedCERA RETIREMENT BOARD MEETING MINUTES  
THURSDAY, OCTOBER 27, 2022 – 8:15 A.M.  
MERCED COUNTY EMPLOYEES' RETIREMENT ASSOCIATION**

**MERCED COUNTY ADMINISTRATION BUILDING  
2222 M STREET, MERCED  
MERCED CONFERENCE ROOM, BASEMENT  
ZOOM CONFERENCE**

<https://us06web.zoom.us/j/93030195748?pwd=NGhFeGltSVhaSTlsK2JGWE83TVFvdz09>

**DIAL IN NUMBER: 669-900-6833, MEETING ID: 930 3019 5748, PASSCODE: 095484**

**(FOR USE ONLY IF ZOOM CONNECTION MALFUNCTIONS)**

**TELEPHONE NUMBER: 1-310-372-7549, CONFERENCE CODE: 975839**

**CALL TO ORDER - 8:16 A.M.**

**ROLL CALL**

**Board Members Present:** Ryan Paskin, Dave Ness, Scott Silveira (left at 10:04 A.M.), Karen Adams, Alfonse Peterson, Scott Johnston, Mike Harris. **Absent:** Aaron Rosenberg and Janey Cabral. **Counsel:** Jeff Grant. **Staff:** Kristen Santos, Martha Sanchez Barboa, Brenda Mojica, Monica Gallegos, Sheri Villagrana, Mark Harman, Kenter Ludlow.

**APPROVAL OF MINUTES – October 13, 2022**

**The MercedCERA Board voted unanimously via roll call vote to approve the October 13, 2022 meeting minutes.**

**Johnston/Peterson U/A (7/0)**

**PUBLIC COMMENT**

***No comments from the public.***

**BOARD ACTION/DISCUSSION**

1. Discussion with MercedCERA's alternative investment consultant Cliffwater LLC to discuss public comment received on September 22, 2022 regarding KKR Global Infrastructure Investors IV and Refresco – Jamie Feidler, Cliffwater.

***No action taken.***

2. Discussion and possible action to adopt the proposed private asset capital budget update from Cliffwater – Jamie Feidler, Cliffwater.

**The MercedCERA Board voted unanimously via roll call vote to adopt the private assets capital budget as proposed from Cliffwater.**

**Adams/Johnston U/A (7-0)**

3. Discussion and possible action on quarterly and monthly performance – Meketa Group.

***No action taken.***

4. Discussion and possible action to approve changes to the Investment Policy Statement (IPS) regarding fixed income core bond composition – Staff.

**The MercedCERA Board voted unanimously via roll call vote to adopt the proposed changes to the IPS.**

**Adams/Silveira U/A (6-0), (Trustee Peterson stepped out during vote)**

5. Discussion and possible action to adopt proposed changes to the MercedCERA Bylaws as approved by the ad hoc Bylaws Subcommittee – Staff.

**The MercedCERA Board gave staff direction to bring the proposed bylaws to the November 10<sup>th</sup> meeting for possible approval.**

6. Discussion and possible action to adopt the SACRS proposed slate and recommendations for the SACRS Fall Conference – Staff.

**The MercedCERA Board voted unanimously via roll call vote to approve Monica Gallegos and back up designee Kenter Ludlow as the voting delegates for the SACRS Fall Conference. Johnston/Peterson (6-0)**

7. Review calendar of any training sessions and authorize expenditures for Trustees and Plan Administrator. Pursuant to Govt. Code § 31522.8 and MercedCERA’s Trustees Education and Training Policy requirements. Examples of upcoming training and educational sessions:

- Nossaman Forum, October 17-18, Los Angeles, CA.
- CALAPRS Virtual Trustee Roundtable, Friday, October 28, 2022 from 8:30AM to 12:30PM.
- SACRS Fall Conference, November 8 - 11, 2022, Long Beach, CA.
- CALAPRS General Assembly, March 4 - 7, 2023 Monterey, CA (registration not currently open).

**No action taken.**

**INFORMATION ONLY**

**Plan Administrator – reminder of meeting date changes in November (10<sup>th</sup>) and December (8<sup>th</sup>).**

**MercedCERA UPCOMING BOARD MEETINGS**

Please note: The MercedCERA Board Meeting and/or Education Day times and dates may be changed in accordance with the Ralph M. Brown Act by the MercedCERA Board as required.

- November 10, 2022
- December 8, 2022

**ADJOURNMENT**

The meeting adjourned at 10:07 A.M.

Accepted By,

Trustee Name/Position	Signature	Date
Ryan Paskin/ Chair		
Al Peterson/Secretary		

Non-Administrative Expenses	Original Projection	Current Projection	Expended 10/2022	Expended YTD	Bal Remaining	% Exp YTD
<b>21800 · Investment Expenses</b>	<b>3,160,000.00</b>	<b>3,160,000.00</b>	<b>246,209.95</b>	<b>435,699.96</b>	<b>2,724,300.04</b>	<b>14%</b>
10/07/2022 Golden Valley Engineering - Prof Svcs thru 2022-10-01			10,577.50			
10/07/2022 Cliffwater - 2022-09 Consulting Svcs			33,333.33			
10/13/2022 Mellon Dynamic - 2022-Q3 Mgt Fee			53,544.95			
10/13/2022 Driehaus - 2022-Q3 Mgt Fees			25,477.00			
10/13/2022 Meketa - 2022-Q3 Consulting Svcs			56,500.00			
10/19/2022 Mellon LC - 2022-Q3 Mgt Fees			11,602.67			
10/19/2022 Barrow Hanley - 2022-Q4 Mgt Fee			28,496.00			
10/19/2022 Barrow Hanley - 2022-Q3 Mgt Fee Adjustment			(652.00)			
10/31/2022 Golden Valley Engineering - Prof Svcs thru 2022-10-15			16,850.50			
10/31/2022 Golden Valley Engineering - Prof Svcs thru 2022-09-17			10,480.00			
Total 21800 · Investment Expenses			<b>246,209.95</b>			
<b>21802 · Actuarial Services</b>	<b>250,000.00</b>	<b>250,000.00</b>	<b>36,086.25</b>	<b>36,086.25</b>	<b>213,913.75</b>	<b>14%</b>
10/20/2022 Cheiron - 2022-Q3 Actuarial Svcs			36,086.25			
Total 21802 · Actuarial Services			<b>36,086.25</b>			
<b>21812 · Data Processing</b>	<b>90,000.00</b>	<b>90,000.00</b>	<b>5,103.27</b>	<b>17,376.18</b>	<b>72,623.82</b>	<b>19%</b>
10/07/2022 2022-09 IS Billing			4,550.20			
10/17/2022 2022-09 Cradlepoint Chgs			270.00			
10/25/2022 Comcast - 2022-10 Svcs			283.07			
Total 21812 · Data Processing			<b>5,103.27</b>			
<b>21834 · Legal Services</b>	<b>365,000.00</b>	<b>365,000.00</b>	<b>17,995.74</b>	<b>68,419.39</b>	<b>296,580.61</b>	<b>19%</b>
10/06/2022 2022-10 Cost Allocation - County Counsel			3,416.25			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			271.52			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			3,091.50			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			4,347.50			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			20.00			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			3,997.00			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			1,184.00			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			26.97			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			1,591.00			
10/20/2022 Ted Cabral - 2022-09 Legal Svcs			50.00			
Total 21834 · Legal Services			<b>17,995.74</b>			
<b>21840 · Custodial Banking Services</b>	<b>140,000.00</b>	<b>140,000.00</b>	<b>26,757.97</b>	<b>29,286.76</b>	<b>110,713.24</b>	<b>21%</b>
10/05/2022 2022-09 NT STIF Custodial Fee			1,302.97			
10/17/2022 2022-08 Wire Fees			165.00			
10/17/2022 2022-09 Wire Fees			165.00			
10/28/2022 Northern Trust - 2022-Q3 Custodial Fees			25,125.00			
Total 21840 · Custodial Banking Services			<b>26,757.97</b>			
<b>22350 · Software and Technology</b>	<b>400,000.00</b>	<b>400,000.00</b>	<b>2,941.66</b>	<b>198,663.30</b>	<b>201,336.70</b>	<b>50%</b>
10/07/2022 PensionX - 2022-10 SLA			900.00			
10/11/2022 Spriggs - 2022-Q4 Contract Base Rate			1,168.01			
10/17/2022 LexisNexis - 2022-09 Accurint & Batch Svcs			873.65			
Total 22350 · Software and Technology			<b>2,941.66</b>			
<b>Depreciation Expense</b>	<b>250,000.00</b>	<b>250,000.00</b>	<b>-</b>	<b>-</b>	<b>250,000.00</b>	
<b>Total Non-Administrative Items</b>	<b>4,655,000.00</b>	<b>4,655,000.00</b>	<b>335,094.84</b>	<b>785,531.84</b>	<b>3,869,468.16</b>	<b>17%</b>

**Merced County Employees' Retirement Association**  
**Non-Administrative Expenses Prev Year Comparison (Preliminary)**  
**10/31/2022**

Expense	<u>October 2022</u>	<u>October 2021</u>	<u>\$ Change</u>	<u>% Change</u>
<b>62025 · Non-Administrative Expenses</b>				
<b>21800 · Investment Expenses</b>	\$ 246,209.95	\$ 226,131.13	\$ 20,078.82	8.88%
<b>21802 · Actuarial Services</b>	36,086.25	1,001.25	35,085.00	3504.12%
<b>21812 · Data Processing</b>	5,103.27	5,069.81	33.46	0.66%
<b>21834 · Legal Services</b>	17,995.74	29,288.35	(11,292.61)	-38.56%
<b>21840 · Custodial Banking Services</b>	26,757.97	26,007.36	750.61	2.89%
<b>22350 · Software and Technology</b>	2,941.66	1,587.03	1,354.63	85.36%
<b>Total 62025 · Non-Administrative Expenses</b>	<u>\$ 335,094.84</u>	<u>\$ 289,084.93</u>	<u>\$ 46,009.91</u>	15.92%

**Merced County Employees' Retirement Association**  
**Capital Asset Expenditures Report (Preliminary)**  
**For the Month and Fiscal Year Ended October 31, 2022**

<b>Capital Assets Expenditures</b>	<b>Adopted</b>	<b>Current Budget</b>	<b>Expended 10/2022</b>	<b>Expended YTD</b>	<b>Bal Remaining</b>	<b>% Exp YTD</b>
81386 - Cubicle Expansion	27,384.43	27,384.43	-	27,304.24	80.19	100%
Total 81386 - Cubicle Expansion			-			
<b>Total Capital Assets Expenditures</b>	<u>27,384.43</u>	<u>27,384.43</u>	-	<u>27,304.24</u>	<u>80.19</u>	<u>100%</u>

Merced County Employees' Retirement Association  
Administrative Expenditures Report (Preliminary)  
For the Month and Fiscal Year Ended October 31, 2022

Administrative Budget	Adopted	Current Budget	Expended 10/2022	Expended YTD	Bal Remaining	% Exp YTD
<b>10110 · Salaries &amp; Wages</b>	<b>1,800,000.00</b>	<b>1,800,000.00</b>	<b>106,377.32</b>	<b>424,815.68</b>	<b>1,375,184.32</b>	<b>24%</b>
10/03/2022 2022-07 PARS			16.53			
10/14/2022 Office Payroll 2022 PP 21			54,207.35			
10/19/2022 2022-08 PARS			13.54			
10/28/2022 Office Payroll 2022 PP 22			52,139.90			
Total 10110 · Salaries & Wages			<b>106,377.32</b>			
<b>20600 · Communications</b>	<b>7,100.00</b>	<b>7,100.00</b>	<b>388.18</b>	<b>1,460.52</b>	<b>5,639.48</b>	<b>21%</b>
10/17/2022 2022-09 iPhone Chgs			149.00			
10/17/2022 2022-09 Comms Chgs			239.18			
Total 20600 · Communications			<b>388.18</b>			
<b>20900 · Household Expense</b>	<b>14,750.00</b>	<b>14,750.00</b>	<b>960.61</b>	<b>4,577.71</b>	<b>10,172.29</b>	<b>31%</b>
10/11/2022 Bob's Pest Control - 2022-09 Pest Control			40.00			
10/25/2022 Geil Enterprises - 2022-10 Custodial Svcs			831.00			
10/31/2022 ADT - 2022-11 Security Svc			89.61			
Total 20900 · Household Expense			<b>960.61</b>			
<b>21000 · Insurance - Other</b>	<b>100,000.00</b>	<b>100,000.00</b>	<b>-</b>	<b>99,177.00</b>	<b>823.00</b>	<b>99%</b>
Total 21000 · Insurance - Other			<b>-</b>			
<b>21301 · Maintenance Structure Improvement</b>	<b>15,000.00</b>	<b>15,000.00</b>	<b>502.50</b>	<b>3,669.91</b>	<b>11,330.09</b>	<b>24%</b>
10/28/2022 Yard Masters - 2022-08-29 Irrigation Svc Call			142.50			
10/31/2022 Yard Masters - 2022-10 Landscape Maint			360.00			
Total 21301 · Maintenance Structure Improvement			<b>502.50</b>			
<b>21500 · Membership</b>	<b>7,500.00</b>	<b>7,500.00</b>	<b>-</b>	<b>4,000.00</b>	<b>3,500.00</b>	<b>53%</b>
Total 21500 · Membership			<b>-</b>			
<b>21700 · Office Expense - General</b>	<b>18,000.00</b>	<b>18,000.00</b>	<b>598.50</b>	<b>7,622.11</b>	<b>10,377.89</b>	<b>42%</b>
10/17/2022 2022-09 Stores Billing			598.50			
Total 21700 · Office Expense - General			<b>598.50</b>			

Merced County Employees' Retirement Association  
Administrative Expenditures Report (Preliminary)  
For the Month and Fiscal Year Ended October 31, 2022

Administrative Budget	Adopted	Current Budget	Expended 10/2022	Expended YTD	Bal Remaining	% Exp YTD
<b>21710 · Office Expense - Postage</b>	<b>18,000.00</b>	<b>18,000.00</b>	<b>1,265.68</b>	<b>3,869.55</b>	<b>14,130.45</b>	<b>21%</b>
10/17/2022 2022-09 Mailroom Chgs			1,265.68			
Total 21710 · Office Expense - Postage			<u>1,265.68</u>			
<b>21805 · Audits</b>	<b>90,000.00</b>	<b>90,000.00</b>	<b>-</b>	<b>28,447.50</b>	<b>61,552.50</b>	<b>32%</b>
Total 21805 · Audits			<u>-</u>			
<b>21808 · Board Membership</b>	<b>18,000.00</b>	<b>18,000.00</b>	<b>1,200.00</b>	<b>3,000.00</b>	<b>15,000.00</b>	<b>17%</b>
10/28/2022 2022-09 Bd Mtgs			300.00			
10/28/2022 2022-09 Bd Mtgs			200.00			
10/28/2022 2022-09 Bd Mtgs			200.00			
10/28/2022 2022-09 Bd Mtgs			300.00			
10/28/2022 2022-09 Bd Mtgs			200.00			
Total 21808 · Board Membership			<u>1,200.00</u>			
<b>21811 · Court Reporters</b>	<b>2,000.00</b>	<b>2,000.00</b>	<b>-</b>	<b>-</b>	<b>2,000.00</b>	<b>0%</b>
Total 21811 · Court Reporters			<u>-</u>			
<b>21872 · Investigations</b>	<b>1,000.00</b>	<b>1,000.00</b>	<b>-</b>	<b>-</b>	<b>1,000.00</b>	<b>0%</b>
Total 21872 · Investigations			<u>-</u>			
<b>21900 · Publications &amp; Legal Notices</b>	<b>4,750.00</b>	<b>4,750.00</b>	<b>-</b>	<b>3,762.62</b>	<b>987.38</b>	<b>79%</b>
Total 21900 · Publications & Legal Notices			<u>-</u>			
<b>22300 · Spec Dept Exp - Other</b>	<b>500.00</b>	<b>500.00</b>	<b>-</b>	<b>-</b>	<b>500.00</b>	<b>0%</b>
Total 22300 · Spec Dept Exp - Other			<u>-</u>			
<b>22310 · Election Expense</b>	<b>20,000.00</b>	<b>20,000.00</b>	<b>8,512.41</b>	<b>8,512.41</b>	<b>11,487.59</b>	<b>43%</b>
10/31/2022 2022-10-04 General and Safety Elections			8,512.41			
Total 22310 · Election Expense			<u>8,512.41</u>			
<b>22327 · Spec Dept Exp - Cost Allocation</b>	<b>40,450.00</b>	<b>40,450.00</b>	<b>3,367.00</b>	<b>13,468.00</b>	<b>26,982.00</b>	<b>33%</b>
10/06/2022 2022-10 Cost Alloc			3,367.00			
Total 22327 · Spec Dept Exp - Cost Allocation			<u>3,367.00</u>			

Merced County Employees' Retirement Association  
Administrative Expenditures Report (Preliminary)  
For the Month and Fiscal Year Ended October 31, 2022

Administrative Budget	Adopted	Current Budget	Expended 10/2022	Expended YTD	Bal Remaining	% Exp YTD
<b>22500 · Transportation &amp; Travel</b>	<b>400.00</b>	<b>400.00</b>	-	<b>28.50</b>	<b>371.50</b>	<b>7%</b>
Total 22500 · Transportation & Travel			-			
<b>22505 · Trans &amp; Travel - Staff Development</b>	<b>4,000.00</b>	<b>4,000.00</b>	-	-	<b>4,000.00</b>	<b>0%</b>
Total 22505 · Trans & Travel - Staff Development			-			
<b>22515 · Trans &amp; Travel - In State</b>	<b>35,000.00</b>	<b>35,000.00</b>	<b>1,519.88</b>	<b>14,383.51</b>	<b>20,616.49</b>	<b>41%</b>
10/04/2022 Travel Reimb - CALAPRS - Principles of Pension Governance for Trustees			244.50			
10/06/2022 Airline Fee - CALAPRS - Administrators' Institute Travel			12.00			
10/07/2022 CALAPRS - Virtual Compliance Roundtable			50.00			
10/11/2022 Travel Reimb - LCW Trainings			84.00			
10/11/2022 CALAPRS - Intermediate Staff Training			500.00			
10/11/2022 CALAPRS - Advanced Staff Training			500.00			
10/20/2022 CALAPRS - Benefits Roundtable			50.00			
10/20/2022 Travel Reimb - LCW Trainings			79.38			
Total 22515 · Trans & Travel - In State			<b>1,519.88</b>			
<b>22516 · Trans &amp; Travel - Out of State</b>	<b>7,500.00</b>	<b>7,500.00</b>	-	-	<b>7,500.00</b>	<b>0%</b>
Total 22516 · Trans & Travel - Out of State			-			
<b>22600 · Utilities</b>	<b>18,500.00</b>	<b>18,500.00</b>	<b>1,925.54</b>	<b>5,775.00</b>	<b>12,725.00</b>	<b>31%</b>
10/04/2022 PG&E - 2022-09 Svcs			1,430.83			
10/17/2022 City of Merced - 2022-09 WS&G			494.71			
Total 22600 · Utilities			<b>1,925.54</b>			
<b>Depreciation Expense</b>	<b>25,000.00</b>	<b>25,000.00</b>	-	-	<b>25,000.00</b>	
<b>Total Administrative Budget</b>	<b>2,247,450.00</b>	<b>2,247,450.00</b>	<b>126,617.62</b>	<b>626,570.02</b>	<b>1,620,879.98</b>	<b>28%</b>



Merced County Employees' Retirement Association

**Date:** November 10, 2022

**To:** MercedCERA Board of Retirement

**From:** Martha Sanchez Barboa, Benefits and Administration Manager

**Subject:** Update on Tax Withholding Instructions

**Item Number:** 1

**Item Type:** Discussion

**Discussion:**

Retirees are required to provide the Merced County Employees' Retirement Association (MercedCERA) their federal and state withholding instructions at the time of their initial retirement. Updates to the withholding instructions could be made at any time by submitting a Federal and California State Tax Withholding Request Form (Attachment A) to MercedCERA staff. This form was created internally.

Due to changes in tax law, the IRS issued requirements for redesigned federal tax withholding forms to be used for both monthly pensions and one-time payments and rollovers. Attachment B, Withholding Certificate for Periodic Pension or Annuity Payments, is the 2022 version of the W-4P. Attachment C, Withholding Certificate for Nonperiodic Payments and Eligible Rollover Distributions is the 2022 version of the W-4R. These forms were required for use starting January 1, 2022, but the IRS postponed such requirement until January 1, 2023 to allow payors to update their pension systems. The new IRS W-4P form is far more complex than MercedCERA's form.

As part of the changes, payors **must** use the redesigned forms. If an internal form is created, it requires yearly IRS approval. Therefore, starting December 15, 2023, MercedCERA will no longer accept use of its internal withholding form and will require all federal withholding instructions be submitted via the IRS W-4P. Although there has been no mandate to use only the California Withholding Certificate for Pension or Annuity Payments form DE 4P (Attachment D), MercedCERA will no longer use its internal form and will thus require form DE 4P. For one-time payments and rollovers, form W-4R will be forwarded to members.

**Implementation Steps**

Since early 2022, MercedCERA staff have been working with our pension administration system, CPAS, to begin system programming changes. In July of 2022 CPAS updated the system to allow for tax withholding instructions to be updated when members chose to submit older versions of the W-4P form, which some members did. This allowed for staff and CPAS to complete system testing.

As 2023 draws near, we have moved forward with further implementations and actions:

- Staff have attended webinars, other pension system meetings and held several internal discussions on educating members regarding form use.
- The MercedCERA internal tax withholding form has been removed from distribution. However, members who were previously provided the form can submit it until December 15, 2022.
- The new forms have been added to the website and are available in the office.
- A message was added to the retirees' October earnings statements directing them to the website.
- We will work closely with REMCO to coordinate our communication efforts as well.

Again, these forms only need to be completed when members make changes to their federal or state withholdings. If a member does not make withholding changes they do not need to take any action. The CPAS system has been programmed to do a "bridge" calculation, per IRS direction, transitioning their prior federal tax instructions to the new 2023 requirements.



Merced County Employees' Retirement Association

## INSTRUCTIONS REGARDING FEDERAL AND CALIFORNIA STATE INCOME TAX WITHHOLDING ON RETIREMENT INCOME

You may elect to have federal and/or California state income taxes withheld from your monthly Merced County Employees' Retirement Association (MercedCERA) benefit at whatever rate you choose. You may elect one of the following options: 1) no tax withholding, 2) withholding based on federal and state tax tables, and/or 3) withholding a specific dollar or percentage amount.

To make an election, complete the Federal and California State Tax Withholding Request Form on the next page and return it to MercedCERA. The form includes several options for making federal and state of California withholding elections. MercedCERA will not withhold state taxes for any other state. Please consult with a tax professional to determine the California taxability of your retirement benefit.

You must file this elections form with your retirement application. Federal and California state taxes will be withheld from your retirement benefit, beginning with your first retirement payment.

If you decide to have federal or California state income tax withheld from your retirement benefit, it is your responsibility to make sure that your net benefit payment (i.e., after other deductions) is large enough to cover the amount you want withheld from taxes and other payroll deductions. If it is not sufficient, one or more of your other payroll deductions could be automatically discontinued.

Your tax withholding election will remain in effect until you revoke it. You may revoke your election or change the amount or percentage withheld by MercedCERA by completing a new Federal and California State Tax Withholding Request Form, available at [www.mercedcera.com](http://www.mercedcera.com). You can expect a short delay while MercedCERA processes your tax withholding request.

If you elect not to withhold federal or California state income tax from your retirement benefit or if you do not withhold enough tax, you may be responsible to pay estimated tax. Additionally, you may incur penalties under the estimated tax rules if your withholding and estimated tax payments are not sufficient. Any tax withheld by MercedCERA may not be refunded to you by MercedCERA.

MercedCERA cannot provide you with advice on federal or state tax withholding. Please contact your accountant or tax attorney, the California State Franchise Tax Board or the Internal Revue Service for information on your individual tax situation.

Please complete all the information on back of this page and return by mail, email or fax to:

MERCED COUNTY RETIREMENT OFFICE  
3199 M STREET  
MERCED, CA 95348  
Phone: (209) 726-2724  
Fax: (209) 725-3637  
[mcera@countyofmerced.com](mailto:mcera@countyofmerced.com)

FEDERAL AND CALIFORNIA STATE TAX WITHHOLDING REQUEST FORM

Please select from ONE of the THREE options below:

1) No Tax Deducted (MercedCERA will not withhold taxes from other states)

- I do not wish to have Federal withholding tax deducted from my MercedCERA benefit.
I do not wish to have California State withholding tax deducted from my MercedCERA benefit.

I understand that I am liable for payment of Federal and/or California State tax on the taxable portion of my pension and that I may be subject to tax penalties under the estimated tax payment rules if my payment of estimated tax and withholding are not adequate.

2) Fixed Amount

- I elect to have this exact amount of Federal withholding tax deducted: \$ \_\_\_\_\_ OR \_\_\_\_\_ %
I elect to have this exact amount of California State withholding tax deducted: \$ \_\_\_\_\_ OR \_\_\_\_\_ %

3) Tax Tables

- I elect to have my Federal and California State withholding tax computed using the number of allowances and marital status indicated below:

Federal Tax

California State Tax

- Married filing jointly
Single or Married filing separately

- Married filing jointly
Single or Married filing separately
Head of Household

Number of Allowances: \_\_\_\_\_

Number of Allowances: \_\_\_\_\_

- In addition to the tax computed via the tax table above, I elect to have this additional amount withheld:

Federal: \$ \_\_\_\_\_

California State: \$ \_\_\_\_\_

If you receive multiple pensions, please indicate which account you want to apply the changes:

- Member Beneficiary Ex-Spouse

I have reviewed the information on the back of this form and hereby submit this statement of preference regarding how my benefit is to be treated for purposes of Federal and California State income tax withholding.

Print Name: \_\_\_\_\_ Social Security #: \_\_\_\_\_

Address: \_\_\_\_\_ Phone #: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*\*\*\*This form replaces any prior withholding election filed with MercedCERA\*\*\*\*

MercedCERA USE ONLY

MKEY DATE ENTERED ENTERED BY DATE REVIEWED REVIEWED BY

\_\_\_\_\_

## Withholding Certificate for Periodic Pension or Annuity Payments

2022

▶ Give Form W-4P to the payer of your pension or annuity payments.

<b>Step 1:</b> <b>Enter Personal Information</b>	(a) First name and middle initial	Last name	(b) Social security number
	Address		
	City or town, state, and ZIP code		
	(c) <input type="checkbox"/> Single or Married filing separately <input type="checkbox"/> Married filing jointly or Qualifying widow(er) <input type="checkbox"/> Head of household (Check only if you're unmarried and pay more than half the costs of keeping up a home for yourself and a qualifying individual.)		

**Complete Steps 2-4 ONLY if they apply to you; otherwise, skip to Step 5.** See pages 2 and 3 for more information on each step and how to elect to have no federal income tax withheld (if permitted).

**Step 2: Income From a Job and/or Multiple Pensions/Annuities (Including a Spouse's Job/Pension/Annuity)**

Complete this step if you (1) have income from a job or more than one pension/annuity, or (2) are married filing jointly and your spouse receives income from a job or a pension/annuity. **See page 2 for examples on how to complete Step 2.**

Do **only one** of the following.

(a) Reserved for future use.

(b) Complete the items below.

(i) If you (and/or your spouse) have one or more jobs, then enter the total taxable annual pay from all jobs, plus any income entered on Form W-4, Step 4(a), for the jobs less the deductions entered on Form W-4, Step 4(b), for the jobs. Otherwise, enter "-0-" . . . ▶ \$ \_\_\_\_\_

(ii) If you (and/or your spouse) have any other pensions/annuities that pay less annually than this one, then enter the total annual taxable payments from all lower-paying pensions/annuities. Otherwise, enter "-0-" . . . ▶ \$ \_\_\_\_\_

(iii) Add the amounts from items (i) and (ii) and enter the **total** here . . . ▶ \$ \_\_\_\_\_

**TIP:** To be accurate, submit a 2022 Form W-4P for all other pensions/annuities. Submit a new Form W-4 for your job(s) if you have not updated your withholding since 2019. If you have self-employment income, see page 2.

If (b)(i) is blank and this pension/annuity pays the most annually, complete Steps 3-4(b) on this form. Otherwise, do not complete Steps 3-4(b) on this form.

<b>Step 3:</b> <b>Claim Dependent and Other Credits</b>	If your total income will be \$200,000 or less (\$400,000 or less if married filing jointly): Multiply the number of qualifying children under age 17 by \$2,000 ▶ \$ _____ Multiply the number of other dependents by \$500 . . . ▶ \$ _____ Add other credits, such as foreign tax credit and education tax credits ▶ \$ _____ Add the amounts for qualifying children, other dependents, and other credits and enter the total here . . . ▶ \$ _____	<b>3</b>	\$
<b>Step 4 (optional): Other Adjustments</b>	(a) <b>Other income (not from jobs or pension/annuity payments).</b> If you want tax withheld on other income you expect this year that won't have withholding, enter the amount of other income here. This may include interest, taxable social security, and dividends . . .	<b>4(a)</b>	\$
	(b) <b>Deductions.</b> If you expect to claim deductions other than the basic standard deduction and want to reduce your withholding, use the Deductions Worksheet on page 3 and enter the result here . . .	<b>4(b)</b>	\$
	(c) <b>Extra withholding.</b> Enter any additional tax you want withheld from <b>each</b> payment . . .	<b>4(c)</b>	\$

**Step 5: Sign Here**

▶ \_\_\_\_\_ ▶ \_\_\_\_\_  
 Your signature (This form is not valid unless you sign it.) Date

## General Instructions

Section references are to the Internal Revenue Code.

**Future developments.** For the latest information about any future developments related to Form W-4P, such as legislation enacted after it was published, go to [www.irs.gov/FormW4P](http://www.irs.gov/FormW4P).

**Purpose of form.** Complete Form W-4P to have payers withhold the correct amount of federal income tax from your periodic pension, annuity (including commercial annuities), profit-sharing and stock bonus plan, or IRA payments. Federal income tax withholding applies to the taxable part of these payments. Periodic payments are made in installments at regular intervals (for example, annually, quarterly, or monthly) over a period of more than 1 year. Don't use Form W-4P for a nonperiodic payment (note that distributions from an IRA that are payable on demand are treated as nonperiodic payments) or an eligible rollover distribution (including a lump-sum pension payment). Instead, use Form W-4R, Withholding Certificate for Nonperiodic Payments and Eligible Rollover Distributions, for these payments/distributions. For more information on withholding, see Pub. 505, Tax Withholding and Estimated Tax.

**Choosing not to have income tax withheld.** You can choose not to have federal income tax withheld from your payments by writing "No Withholding" on Form W-4P in the space below Step 4(c). Then, complete Steps 1a, 1b, and 5. Generally, if you are a U.S. citizen or a resident alien, you are not permitted to elect not to have federal income tax withheld on payments to be delivered outside the United States and its possessions.

**Caution:** If you have too little tax withheld, you will generally owe tax when you file your tax return and may owe a penalty unless you make timely payments of estimated tax. If too much tax is withheld, you will generally be due a refund when you file your tax return. If your tax situation changes, or you chose not to have federal income tax withheld and you now want withholding, you should submit a new Form W-4P.

**Self-employment.** Generally, you will owe both income and self-employment taxes on any self-employment income you (or you and your spouse) receive. If you do not have a job and want to pay these taxes through withholding from your payments, you should enter the self-employment income in Step 4(a). Then compute your self-employment tax, divide that tax by the number of payments remaining in the year, and include that resulting amount per payment in Step 4(c). You can also add half of the annual amount of self-employment tax to Step 4(b) as a deduction. To calculate self-employment tax, you generally multiply the self-employment income by 14.13% (this rate is a quick way to figure your self-employment tax and equals the sum of the 12.4% social security tax and the 2.9% Medicare tax multiplied by 0.9235). See Pub. 505 for more information, especially if your self-employment income multiplied by 0.9235 is over \$147,000.

**Payments to nonresident aliens and foreign estates.** Do not use Form W-4P. See Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities, and Pub. 519, U.S. Tax Guide for Aliens, for more information.

**Tax relief for victims of terrorist attacks.** If your disability payments for injuries incurred as a direct result of a terrorist attack are not taxable, write "No Withholding" in the space below Step 4(c). See Pub. 3920, Tax Relief for Victims of Terrorist Attacks, for more details.

## Specific Instructions

**Step 1(c).** Check your anticipated filing status. This will determine the standard deduction and tax rates used to compute your withholding.

**Step 2.** Use this step if you have at least one of the following: income from a job, income from more than one pension/annuity, and/or a spouse (if married filing jointly) that receives income from a job/pension/annuity. The following examples will assist you in completing Step 2.

**Example 1.** Bob, a single filer, is completing Form W-4P for a pension that pays \$50,000 a year. Bob also has a job that pays \$25,000 a year. Bob has no other pensions or annuities. Bob will enter \$25,000 in Step 2(b)(i) and in Step 2(b)(iii).

If Bob also has \$1,000 of interest income, which he entered on Form W-4, Step 4(a), then he will instead enter \$26,000 in Step 2(b)(i) and in Step 2(b)(iii). He will make no entries in Step 4(a) on this Form W-4P.

**Example 2.** Carol, a single filer, is completing Form W-4P for a pension that pays \$50,000 a year. Carol does not have a job, but she also receives another pension for \$25,000 a year (which pays less annually than the \$50,000 pension). Carol will enter \$25,000 in Step 2(b)(ii) and in Step 2(b)(iii).

If Carol also has \$1,000 of interest income, then she will enter \$1,000 in Step 4(a) of this Form W-4P.

**Example 3.** Don, a single filer, is completing Form W-4P for a pension that pays \$50,000 a year. Don does not have a job, but he receives another pension for \$75,000 a year (which pays more annually than the \$50,000 pension). Don will not enter any amounts in Step 2.

If Don also has \$1,000 of interest income, he won't enter that amount on this Form W-4P because he entered the \$1,000 on the Form W-4P for the higher paying \$75,000 pension.

**Example 4.** Ann, a single filer, is completing Form W-4P for a pension that pays \$50,000 a year. Ann also has a job that pays \$25,000 a year and another pension that pays \$20,000 a year. Ann will enter \$25,000 in Step 2(b)(i), \$20,000 in Step 2(b)(ii), and \$45,000 in Step 2(b)(iii).

If Ann also has \$1,000 of interest income, which she entered on Form W-4, Step 4(a), she will instead enter \$26,000 in Step 2(b)(i), leave Step 2(b)(ii) unchanged, and enter \$46,000 in Step 2(b)(iii). She will make no entries in Step 4(a) of this Form W-4P.

If you are married filing jointly, the entries described above do not change if your spouse is the one who has the job or the other pension/annuity instead of you.



**Multiple sources of pensions/annuities or jobs.** If you (or if married filing jointly, you and/or your spouse) have a job(s), do NOT complete Steps 3 through 4(b)

on Form W-4P. Instead, complete Steps 3 through 4(b) on the Form W-4 for the job. If you (or if married filing jointly, you and your spouse) do not have a job, complete Steps 3 through 4(b) on Form W-4P for **only** the pension/annuity that pays the most annually. Leave those steps blank for the other pensions/annuities.

**Step 3.** This step provides instructions for determining the amount of the child tax credit and the credit for other dependents that you may be able to claim when you file your tax return. To qualify for the child tax credit, the child must be under age 17 as of December 31, must be your dependent who generally lives with you for more than half the year, and must have the required social security number. You may be able to claim a credit for other dependents for whom a child tax credit can't be claimed, such as an older child or a qualifying relative. For additional eligibility requirements for these credits, see Pub. 501, Dependents, Standard Deduction, and Filing Information. You can also include **other tax credits** for which you are eligible in this step, such as the foreign tax credit and the education tax credits. Including these credits will increase your payments and reduce the amount of any refund you may receive when you file your tax return.

## Specific Instructions *(continued)*

### Step 4 (optional).

**Step 4(a).** Enter in this step the total of your other estimated income for the year, if any. You shouldn't include amounts from any job(s) or pension/annuity payments. If you complete Step 4(a), you likely won't have to make estimated tax payments for that income. If you prefer to pay estimated tax rather than having tax on other income withheld from your pension, see Form 1040-ES, Estimated Tax for Individuals.

**Step 4(b).** Enter in this step the amount from the Deductions Worksheet, line 6, if you expect to claim deductions other than the basic standard deduction on your 2022 tax return and want to reduce your withholding to account for these deductions. This includes itemized deductions, the additional standard

deduction for those 65 and over, and other deductions such as for student loan interest and IRAs.

**Step 4(c).** Enter in this step any additional tax you want withheld from **each payment**. Entering an amount here will reduce your payments and will either increase your refund or reduce any amount of tax that you owe.

**Note:** If you don't give Form W-4P to your payer, you don't provide an SSN, or the IRS notifies the payer that you gave an incorrect SSN, then the payer will withhold tax from your payments as if your filing status is single with no adjustments in Steps 2 through 4. For payments that began before 2022, your current withholding election (or your default rate) remains in effect unless you submit a new Form W-4P.

### Step 4(b) – Deductions Worksheet *(Keep for your records.)*



<b>1</b>	Enter an estimate of your 2022 itemized deductions (from Schedule A (Form 1040)). Such deductions may include qualifying home mortgage interest, charitable contributions, state and local taxes (up to \$10,000), and medical expenses in excess of 7.5% of your income . . . . .	<b>1</b>	\$ _____			
<b>2</b>	Enter: <table style="display: inline-table; vertical-align: middle;"> <tr> <td style="font-size: 3em; vertical-align: middle;">{</td> <td style="padding: 0 10px;"> <ul style="list-style-type: none"> <li>• \$25,900 if you're married filing jointly or qualifying widow(er)</li> <li>• \$19,400 if you're head of household</li> <li>• \$12,950 if you're single or married filing separately</li> </ul> </td> <td style="font-size: 3em; vertical-align: middle;">}</td> </tr> </table> . . . . .	{	<ul style="list-style-type: none"> <li>• \$25,900 if you're married filing jointly or qualifying widow(er)</li> <li>• \$19,400 if you're head of household</li> <li>• \$12,950 if you're single or married filing separately</li> </ul>	}	<b>2</b>	\$ _____
{	<ul style="list-style-type: none"> <li>• \$25,900 if you're married filing jointly or qualifying widow(er)</li> <li>• \$19,400 if you're head of household</li> <li>• \$12,950 if you're single or married filing separately</li> </ul>	}				
<b>3</b>	If line 1 is greater than line 2, subtract line 2 from line 1 and enter the result here. If line 2 is greater than line 1, enter "-0-" . . . . .	<b>3</b>	\$ _____			
<b>4</b>	If line 3 equals zero, and you (or your spouse) are 65 or older, enter: <ul style="list-style-type: none"> <li>• \$1,750 if you're single or head of household.</li> <li>• \$1,400 if you're a qualifying widow(er) or you're married and one of you is under age 65.</li> <li>• \$2,800 if you're married and both of you are age 65 or older.</li> </ul> Otherwise, enter "-0-". See Pub. 505 for more information . . . . .	<b>4</b>	\$ _____			
<b>5</b>	Enter an estimate of your student loan interest, deductible IRA contributions, and certain other adjustments (from Part II of Schedule 1 (Form 1040)). See Pub. 505 for more information . . . . .	<b>5</b>	\$ _____			
<b>6</b>	<b>Add</b> lines 3 through 5. Enter the result here and in <b>Step 4(b)</b> on Form W-4P . . . . .	<b>6</b>	\$ _____			

**Privacy Act and Paperwork Reduction Act Notice.** We ask for the information on this form to carry out the Internal Revenue laws of the United States. You are required to provide this information only if you want to (a) request federal income tax withholding from pension or annuity payments based on your filing status and adjustments; (b) request additional federal income tax withholding from your pension or annuity payments; (c) choose not to have federal income tax withheld, when permitted; or (d) change a previous Form W-4P. To do any of the aforementioned, you are required by sections 3405(e) and 6109 and their regulations to provide the information requested on this form. Failure to provide this information may result in inaccurate withholding on your payment(s). Failure to provide a properly completed form will result in your being treated as a single person with no other entries on the form; providing fraudulent information may subject you to penalties.

Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their tax laws. We may

also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by section 6103.

The average time and expenses required to complete and file this form will vary depending on individual circumstances. For estimated averages, see the instructions for your income tax return.

If you have suggestions for making this form simpler, we would be happy to hear from you. See the instructions for your income tax return.

**Withholding Certificate for Nonperiodic Payments and Eligible Rollover Distributions**

Department of the Treasury  
Internal Revenue Service

▶ Give Form W-4R to the payer of your retirement payments.

**2022**

1a First name and middle initial	Last name	1b Social security number
----------------------------------	-----------	---------------------------

Address \_\_\_\_\_

City or town, state, and ZIP code \_\_\_\_\_

Your withholding rate is determined by the type of payment you will receive.

- For nonperiodic payments, the default withholding rate is 10%. You can choose to have a different rate by entering a rate between 0% and 100% on line 2. Generally, you can't choose less than 10% for payments to be delivered outside the United States and its possessions.
- For an eligible rollover distribution, the default withholding rate is 20%. You can choose a rate greater than 20% by entering the rate on line 2. You may not choose a rate less than 20%.

See page 2 for more information.

2 Complete this line if you would like a rate of withholding that is different from the default withholding rate. See the instructions on page 2 and the Marginal Rate Tables below for additional information. Enter the rate as a whole number (no decimals) . . . . . ▶	<b>2</b>	%
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------	---

<b>Sign Here</b>	▶ _____ Your signature (This form is not valid unless you sign it.)	▶ _____ Date
------------------	------------------------------------------------------------------------	-----------------

**General Instructions**

Section references are to the Internal Revenue Code.

**Future developments.** For the latest information about any future developments related to Form W-4R, such as legislation enacted after it was published, go to [www.irs.gov/FormW4R](http://www.irs.gov/FormW4R).

**Purpose of form.** Complete Form W-4R to have payers withhold the correct amount of federal income tax from your nonperiodic payment or eligible rollover distribution from an employer retirement plan, annuity (including a commercial annuity), or individual retirement arrangement (IRA). See page 2 for the rules and options that are available for each type of payment. Don't use Form W-4R for periodic payments (payments made in installments at regular

intervals over a period of more than 1 year) from these plans or arrangements. Instead, use Form W-4P, Withholding Certificate for Periodic Pension or Annuity Payments. For more information on withholding, see Pub. 505, Tax Withholding and Estimated Tax.

**Caution:** If you have too little tax withheld, you will generally owe tax when you file your tax return and may owe a penalty unless you make timely payments of estimated tax. If too much tax is withheld, you will generally be due a refund when you file your tax return. Your withholding choice (or an election not to have withholding on a nonperiodic payment) will generally apply to any future payment from the same plan or IRA. Submit a new Form W-4R if you want to change your election.

**2022 Marginal Rate Tables**

You may use these tables to help you select the appropriate withholding rate for this payment or distribution. Add your income from all sources and use the column that matches your filing status to find the corresponding rate of withholding. See page 2 for more information on how to use this table.

Single or Married filing separately		Married filing jointly or Qualifying widow(er)		Head of household	
Total income over—	Tax rate for every dollar more	Total income over—	Tax rate for every dollar more	Total income over—	Tax rate for every dollar more
\$0	0%	\$0	0%	\$0	0%
12,950	10%	25,900	10%	19,400	10%
23,225	12%	46,450	12%	34,050	12%
54,725	22%	109,450	22%	75,300	22%
102,025	24%	204,050	24%	108,450	24%
183,000	32%	366,000	32%	189,450	32%
228,900	35%	457,800	35%	235,350	35%
552,850*	37%	673,750	37%	559,300	37%

\* If married filing separately, use \$336,875 instead for this 37% rate.

## General Instructions (continued)

**Nonperiodic payments—10% withholding.** Your payer must withhold at a default 10% rate from the taxable amount of nonperiodic payments **unless** you enter a different rate on line 2. Distributions from an IRA that are payable on demand are treated as nonperiodic payments. Note that the default rate of withholding may not be appropriate for your tax situation. You may choose to have no federal income tax withheld by entering “-0-” on line 2. See the specific instructions below for more information. Generally, you are not permitted to elect to have federal income tax withheld at a rate of less than 10% (including “-0-”) on any payments to be delivered outside the United States and its possessions.

**Note:** If you don't give Form W-4R to your payer, you don't provide an SSN, or the IRS notifies the payer that you gave an incorrect SSN, then the payer must withhold 10% of the payment for federal income tax and can't honor requests to have a lower (or no) amount withheld. Generally, for payments that began before 2022, your current withholding election (or your default rate) remains in effect unless you submit a Form W-4R.

**Eligible rollover distributions—20% withholding.** Distributions you receive from qualified retirement plans (for example, 401(k) plans and section 457(b) plans maintained by a governmental employer) or tax-sheltered annuities that are eligible to be rolled over to an IRA or qualified plan are subject to a 20% default rate of withholding on the taxable amount of the distribution. You can't choose withholding at a rate of less than 20% (including “-0-”). Note that the default rate of withholding may be too low for your tax situation. You may choose to enter a rate higher than 20% on line 2. Don't give Form W-4R to your payer unless you want more than 20% withheld.

Note that the following payments are **not** eligible rollover distributions: (a) qualifying “hardship” distributions, and (b) distributions required by federal law, such as required minimum distributions. See Pub. 505 for details. See also *Nonperiodic payments—10% withholding* above.

**Payments to nonresident aliens and foreign estates.** Do not use Form W-4R. See Pub. 515, Withholding of Tax on Nonresident Aliens and Foreign Entities, and Pub. 519, U.S. Tax Guide for Aliens, for more information.

**Tax relief for victims of terrorist attacks.** If your disability payments for injuries incurred as a direct result of a terrorist attack are not taxable, enter “-0-” on line 2. See Pub. 3920, Tax Relief for Victims of Terrorist Attacks, for more details.

## Specific Instructions

### Line 1b

For an estate, enter the estate's employer identification number (EIN) in the area reserved for “Social security number.”

### Line 2

**More withholding.** If you want more than the default rate withheld from your payment, you may enter a higher rate on line 2.

**Less withholding (nonperiodic payments only).** If permitted, you may enter a lower rate on line 2 (including “-0-”) if you want less than the 10% default rate withheld from your payment. If you have already paid, or plan to pay, your tax on this payment through other withholding or estimated tax payments, you may want to enter “-0-”.

**Suggestion for determining withholding.** Consider using the Marginal Rate Tables on page 1 to help you select the appropriate withholding rate for this payment or distribution. The tables are most accurate if the appropriate amount of tax on all other sources of income, deductions, and credits has been paid through other withholding or estimated tax payments. If the appropriate amount of tax on those sources of income has not been paid through other withholding or estimated tax payments, you can pay that tax through withholding on this payment by entering a rate that is greater than the rate in the Marginal Rate Tables.

The marginal tax rate is the rate of tax on each additional dollar of income you receive above a particular amount of income. You can use the table for your filing status as a guide to find a rate of withholding for amounts above the total income level in the table.

To determine the appropriate rate of withholding from the table, do the following. Step 1: Find the rate that corresponds with your total income not including the payment. Step 2: Add your total income and the taxable amount of the payment and find the corresponding rate.

If these two rates are the same, enter that rate on line 2. (See *Example 1* below.)

If the two rates differ, multiply (a) the amount in the lower rate bracket by the rate for that bracket, and (b) the amount in the higher rate bracket by the rate for that bracket. Add these two numbers; this is the expected tax for this payment. To get the rate to have withheld, divide this amount by the taxable amount of the payment. Round up to the next whole number and enter that rate on line 2. (See *Example 2* below.)

If you prefer a simpler approach (but one that may lead to overwithholding), find the rate that corresponds to your total income including the payment and enter that rate on line 2.

**Examples.** Assume the following facts for *Examples 1* and *2*. Your filing status is single. You expect the taxable amount of your payment to be \$20,000. Appropriate amounts have been withheld for all other sources of income and any deductions or credits.

**Example 1.** You expect your total income to be \$60,000 without the payment. Step 1: Because your total income without the payment, \$60,000, is greater than \$54,725 but less than \$102,025, the corresponding rate is 22%. Step 2: Because your total income with the payment, \$80,000, is greater than \$54,725 but less than \$102,025, the corresponding rate is 22%. Because these two rates are the same, enter “22” on line 2.

**Example 2.** You expect your total income to be \$42,500 without the payment. Step 1: Because your total income without the payment, \$42,500, is greater than \$23,225 but less than \$54,725, the corresponding rate is 12%. Step 2: Because your total income with the payment, \$62,500, is greater than \$54,725 but less than \$102,025, the corresponding rate is 22%. The two rates differ. \$12,225 of the \$20,000 payment is in the lower bracket (\$54,725 less your total income of \$42,500 without the payment), and \$7,775 is in the higher bracket (\$20,000 less the \$12,225 that is in the lower bracket). Multiply \$12,225 by 12% to get \$1,467. Multiply \$7,775 by 22% to get \$1,710.50. The sum of these two amounts is \$3,177.50. This is the estimated tax on your payment. This amount corresponds to 15.9% of the \$20,000 payment (\$3,177.50 divided by \$20,000). Rounding up to the next whole number, enter “16” on line 2.

**Privacy Act and Paperwork Reduction Act Notice.** We ask for the information on this form to carry out the Internal Revenue laws of the United States. You are required to provide this information only if you want to (a) request additional federal income tax withholding from your nonperiodic payment(s) or eligible rollover distribution(s); (b) choose not to have federal income tax withheld from your nonperiodic payment(s), when permitted; or (c) change a previous Form W-4R (or a previous Form W-4P that you completed with respect to your nonperiodic payments or eligible rollover distributions). To do any of the aforementioned, you are required by sections 3405(e) and 6109 and their regulations to provide the information requested on this form. Failure to provide this information may result in inaccurate withholding on your payment(s). Failure to provide a properly completed form will result in your payment(s) being subject to the default rate; providing fraudulent information may subject you to penalties.

Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation, and to cities, states, the District of Columbia, and U.S.

commonwealths and possessions for use in administering their tax laws. We may also disclose this information to other countries under a tax treaty, to federal and state agencies to enforce federal nontax criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism.

You are not required to provide the information requested on a form that is subject to the Paperwork Reduction Act unless the form displays a valid OMB control number. Books or records relating to a form or its instructions must be retained as long as their contents may become material in the administration of any Internal Revenue law. Generally, tax returns and return information are confidential, as required by section 6103.

The average time and expenses required to complete and file this form will vary depending on individual circumstances. For estimated averages, see the instructions for your income tax return.

If you have suggestions for making this form simpler, we would be happy to hear from you. See the instructions for your income tax return.

# Withholding Certificate for Pension or Annuity Payments

First, Middle, Last Name	Social Security Number
Home Address (Number and Street or Rural Route)	Claim or Identification Number (if any) of Your Pension or Annuity Contract
City, State and ZIP Code	

**Complete the following applicable lines:**

1. I elect not to have income tax withheld from my pension or annuity. (Do not complete lines 2, 3, or 4.)
2. I want my withholding from each pension or annuity payment to be figured using the number of allowances and marital status shown below:
  - a. Number of allowances you are claiming from the Regular Withholding Allowances (Worksheet A). ▶ 2a \_\_\_\_\_
  - b. Number of allowances from the Estimated Deductions (Worksheet B). ▶ 2b \_\_\_\_\_

SINGLE or MARRIED (with two or more incomes)     MARRIED (one income)     HEAD OF HOUSEHOLD
3. I want the following **additional** amount withheld from each pension or annuity payment. **Note:** You cannot enter an amount here without entering the number (including zero) of allowances on line 2b above ▶ \$ \_\_\_\_\_
4. I want this designated amount withheld from each pension or annuity payment. (Do not complete lines 1, 2, or 3.) ▶ \$ \_\_\_\_\_

Your Signature ▶ \_\_\_\_\_ Date ▶ \_\_\_\_\_

----- **Cut Here** -----

**Give the top part of this form to the payer of your pension or annuity; keep the lower part for your records.**

**Purpose of Form:** Unless you elect otherwise, state law requires that California Personal Income Tax (PIT) be withheld from payments of pensions and annuities. The marital status and the withholding allowance claimed on your federal Form W-4P can be used to figure your state tax withholding.

The DE 4P allows you to:

- (1) Claim a different number of allowances for California PIT withholding than for federal income tax withholding.
- (2) Elect not to have California PIT withheld from your periodic, or nonperiodic, pension or annuity payments.
- (3) Elect to have California PIT withheld on periodic or nonperiodic payments based on:
  - (a) The number of allowances and marital status specified.
  - (b) A designated dollar amount.
- (4) Change or revoke the DE 4P previously filed.

**Withholding from Pensions and Annuities:** Generally, withholding applies to payments made from pension, profit-sharing, stock bonus, annuity, and certain deferred compensation plans, from Individual Retirement Arrangements (IRA), and from commercial annuities. Withholding also applies to property other than cash distributed.

In compliance with federal law, California PIT is not to be withheld from pension recipients who reside outside of California.

Periodic and nonperiodic payments from all of the items above are treated as wages for the purpose of withholding.

A periodic payment is one that is includible in your income for tax purposes and that you receive in installments at regular intervals over a period of more than one full year from the starting date of the pension or annuity. The intervals can be annual, quarterly, monthly, etc. For example, if you receive a monthly pension or annuity payment and will continue to receive payments for more than a year, the payments are periodic. However, distributions from an IRA that are payable upon demand are treated as nonperiodic payments.

There are some kinds of periodic and nonperiodic payments for which you cannot use the DE 4P since they are already defined as wages subject to PIT withholding. Your payer should be able to tell you whether the DE 4P will apply.

Your certificate is usually effective 30 days after you file the form. The certificate stays in effect until you change or revoke it.

**Methods of Withholding:** The payer can use one of the following three methods:

- (1) An amount determined by using the California withholding schedules. Payee completes lines 2 and 3 above.
- (2) A dollar amount that you designate. Payee completes line 4 above.
- (3) Ten percent of the amount of federal withholding computed pursuant to section 3405 of the [Internal Revenue Code](http://www.law.cornell.edu/uscode/text/26) (law.cornell.edu/uscode/text/26). Payee completes line 4 above.

**Completing the Form:** Fill in your name, address, Social Security number, and the identification number (if any) of the pension or annuity.

**Line 1, Exemption from Withholding:** Check this box if you do not want any PIT withheld from your payment. You do not have to give a reason for claiming the exemption from withholding.

**Caution:** Remember that there are penalties for not paying enough tax during the year, either through withholding or estimated tax payments. You may be able to avoid paying quarterly estimated tax to the Franchise Tax Board (FTB) by having enough tax withheld from your pension or annuity using the DE 4P.

**Revoking the Exemption from Withholding:** If you want to revoke your previously filed exemption from withholding for periodic and nonperiodic payments, file another DE 4P completing lines 1, 2, 3, or 4.

**Line 2, Withholding Based on Specified Withholding**

**Allowances:** If you want withholding to be based on a specified number of allowances, write the number on this line and check the filing status box you want. The worksheets accompanying this form may be used to figure your withholding allowance.

**Line 3, Multiple Pensions/More than One Income:** Indicate additional amount to be withheld from each payment. You may use Worksheet C, accompanying this form, to determine the additional amount.

**Line 4, Withholding a Designated Dollar Amount:** Indicate dollar amount you want withheld on this line (in lieu of claiming withholding allowances).

## Instructions — 1 — Allowances\*

When determining your withholding allowances, you must consider your personal situation:

- Do you claim allowances for dependents or blindness?
- Will you itemize your deductions?
- Do you have more than one income coming into the household?

If you have a working spouse or more than one job or income, it would be best to figure the **total** number of allowances you are entitled to claim on all jobs using the worksheets from only one DE 4P. Allowances can then be claimed with one payer only, or split among payers.

### Worksheet A

### Regular Withholding Allowances

- |                                                                                               |           |
|-----------------------------------------------------------------------------------------------|-----------|
| A) Allowance for yourself — enter 1                                                           | (A) _____ |
| B) Allowance for your spouse (if not separately claimed by your spouse) — enter 1             | (B) _____ |
| C) Allowance for blindness — yourself — enter 1                                               | (C) _____ |
| D) Allowance for blindness — your spouse (if not separately claimed by your spouse) — enter 1 | (D) _____ |
| E) Allowance(s) for dependent(s) — do not include yourself or your spouse                     | (E) _____ |
| F) Total — add lines (A) through (E) above and enter on line 2a of the DE 4P                  | (F) _____ |

## Instructions — 2 — Additional Withholding Allowances

If you expect to itemize deductions on your California income tax return, you can claim additional withholding allowances. Use Worksheet B to determine whether your expected estimated deductions may entitle you to claim one or more additional withholding allowances. Use last year's FTB Form 540 as a model to calculate this year's withholding amounts.

You may reduce the amount of tax withheld from your wages by claiming one additional withholding allowance for each \$1,000, or fraction of \$1,000, by which you expect your estimated deductions for the year to exceed your allowable standard deduction.

### Worksheet B

### Estimated Deductions

- |                                                                                                                                                                                                                                                                                                                            |              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1. Enter an estimate of your itemized deductions for California taxes for this tax year as listed in the schedules in the FTB Form 540.                                                                                                                                                                                    | 1. \$ _____  |
| 2. Enter \$9,606 if unmarried head of household or qualifying widow(er) with dependent(s);<br>\$9,606 if married filing jointly with two or more allowances;<br>\$4,803 if single, dual income, married, or married with multiple employers;<br>\$4,803 if married filing separately or married with "0" or "1" allowance. | 2. \$ _____  |
| 3. Subtract line 2 from line 1, enter difference.                                                                                                                                                                                                                                                                          | 3. \$ _____  |
| 4. Enter an estimate of your adjustments to income (alimony payments, IRA deposits).                                                                                                                                                                                                                                       | 4. \$ _____  |
| 5. Add line 4 to line 3 and enter the sum.                                                                                                                                                                                                                                                                                 | 5. \$ _____  |
| 6. Enter an estimate of your nonwage income (dividends, interest income, alimony receipts).                                                                                                                                                                                                                                | 6. \$ _____  |
| 7. If line 5 is greater than line 6 (if less, see below [go to line 9]);<br>Subtract line 6 from line 5 and, enter the difference.                                                                                                                                                                                         | 7. \$ _____  |
| 8. Divide the amount on line 7 by \$1,000, round any fraction to the nearest whole number.<br>Enter this number on line 2b of the DE 4P. Complete Worksheet C, if needed.                                                                                                                                                  | 8. _____     |
| 9. If line 6 is greater than line 5;<br>Enter amount from line 6 (nonwage income).                                                                                                                                                                                                                                         | 9. \$ _____  |
| 10. Enter amount from line 5 (deductions).                                                                                                                                                                                                                                                                                 | 10. \$ _____ |
| 11. Subtract line 10 from line 9, enter difference.                                                                                                                                                                                                                                                                        | 11. \$ _____ |

## Complete Worksheet C

\*Wages paid to registered domestic partners will be treated the same for state income tax purposes as wages paid to spouses for California PIT withholding and PIT wages. This law does not impact federal income tax law. A registered domestic partner means an individual partner in a domestic partner relationship within the meaning of section 297 of the [Family Code](http://leginfo.ca.gov/faces/codes.xhtml) (leginfo.legislature.ca.gov/faces/codes.xhtml). For more information, please call our Taxpayer Assistance Center at 1-888-745-3886.

**Worksheet C**

**Tax Withholding and Estimated Tax**

1. Enter estimate of total wages for tax year 2022. 1. \_\_\_\_\_
2. Enter estimate of nonwage income on line 6 of Worksheet B. 2. \_\_\_\_\_
3. Add line 1 and line 2 and enter the sum. 3. \_\_\_\_\_
4. Enter itemized deductions or standard deduction on line 1 or 2 of Worksheet B, whichever is largest. 4. \_\_\_\_\_
5. Enter adjustments to income on line 4 of Worksheet B. 5. \_\_\_\_\_
6. Add line 4 and line 5 and enter the sum. 6. \_\_\_\_\_
7. Subtract line 6 from line 3 and enter the difference. 7. \_\_\_\_\_
8. Figure your tax liability for the amount on line 7 by using the 2022 tax rate schedules below. 8. \_\_\_\_\_
9. Enter personal exemptions on line F of Worksheet A x \$141.90. 9. \_\_\_\_\_
10. Subtract line 9 from line 8 and enter the difference. 10. \_\_\_\_\_
11. Enter any tax credits. (See FTB Form 540) 11. \_\_\_\_\_
12. Subtract line 11 from line 10 and enter the difference. (This is your total estimated tax liability). 12. \_\_\_\_\_
13. Calculate the tax withheld and estimated to be withheld during 2022. Contact the payer to request the amount that will be withheld on your wages based on the marital status and number of withholding allowances you will claim for 2022. Multiply the estimated amount to be withheld by the number of pay periods left in the year. Add the total to the amount already withheld for 2022 13. \_\_\_\_\_
14. Subtract line 13 from line 12. Enter difference. If this is less than zero, you do not need to have additional taxes withheld 14. \_\_\_\_\_
15. Divide line 14 by the number of pay periods remaining in the year and enter this figure on line 3 of the DE 4P 15. \_\_\_\_\_

**NOTE:** Your payer is not required to withhold the additional amount requested on line 3 of your DE 4P. If your payer does not agree to withhold the additional amount, you may increase your withholdings as much as possible by using the "single" status with "zero" allowances. If the amount withheld still results in an underpayment of state income taxes, you may need to file quarterly estimates on Form 540-ES with the FTB to avoid a penalty.

*These Tables are for Calculating Worksheet C and for 2022 Only*

**Single Persons, Dual Income  
Married with Multiple Employers**

IF THE TAXABLE INCOME IS		COMPUTED TAX IS		
OVER	BUT NOT OVER	OF AMOUNT OVER...	PLUS	
\$0	\$9,325	1.100%	\$0	\$0.00
\$9,325	\$22,107	2.200%	\$9,325	\$102.58
\$22,107	\$34,892	4.400%	\$22,107	\$383.78
\$34,892	\$48,435	6.600%	\$34,892	\$946.32
\$48,435	\$61,214	8.800%	\$48,435	\$1,840.16
\$61,214	\$312,686	10.230%	\$61,214	\$2,964.71
\$312,686	\$375,221	11.330%	\$312,686	\$28,690.30
\$375,221	\$625,369	12.430%	\$375,221	\$35,775.52
\$625,369	\$1,000,000	13.530%	\$625,369	\$66,868.92
\$1,000,000	and over	14.630%	\$1,000,000	\$117,556.49

**Married Persons**

IF THE TAXABLE INCOME IS		COMPUTED TAX IS		
OVER	BUT NOT OVER	OF AMOUNT OVER...	PLUS	
\$0	\$18,650	1.100%	\$0	\$0.00
\$18,650	\$44,214	2.200%	\$18,650	\$205.15
\$44,214	\$69,784	4.400%	\$44,214	\$767.56
\$69,784	\$96,870	6.600%	\$69,784	\$1,892.64
\$96,870	\$122,428	8.800%	\$96,870	\$3,680.32
\$122,428	\$625,372	10.230%	\$122,428	\$5,929.42
\$625,372	\$750,442	11.330%	\$625,372	\$57,380.59
\$750,442	\$1,000,000	12.430%	\$750,442	\$71,551.02
\$1,000,000	\$1,250,738	13.530%	\$1,000,000	\$102,571.08
\$1,250,738	and over	14.630%	\$1,250,738	\$136,495.93

**Unmarried Head of Household**

IF THE TAXABLE INCOME IS		COMPUTED TAX IS		
OVER	BUT NOT OVER	OF AMOUNT OVER...	PLUS	
\$0	\$18,663	1.100%	\$0	\$0.00
\$18,663	\$44,217	2.200%	\$18,663	\$205.29
\$44,217	\$56,999	4.400%	\$44,217	\$767.48
\$56,999	\$70,542	6.600%	\$56,999	\$1,329.89
\$70,542	\$83,324	8.800%	\$70,542	\$2,223.73
\$83,324	\$425,251	10.230%	\$83,324	\$3,348.55
\$425,251	\$510,303	11.330%	\$425,251	\$38,327.68
\$510,303	\$850,503	12.430%	\$510,303	\$47,964.07
\$850,503	\$1,000,000	13.530%	\$850,503	\$90,250.93
\$1,000,000	and over	14.630%	\$1,000,000	\$110,477.87

**If you need more detailed information, see the instructions that came with your last California resident income tax return or call the FTB:**

**If you are calling from within the United States**  
**1-800-852-5711 (Voice)**  
**1-800-822-6268 (TTY)**

**If you are calling from outside the United States**  
 1-916-845-6500 (Not Toll Free)

The DE 4P information is collected for purposes of administering the PIT law and under the authority of [Title 22, California Code of Regulations](#) (govt.westlaw.com/calregs/Search/Index), section 4340-1, and the [California Revenue and Taxation Code](#) (leginfo.legislature.ca.gov/faces/codes.xhtml), including section 18624. The Information Practices Act of 1977 requires that individuals be notified of how information they provide may be used. Further information is contained in the instructions that came with your last California resident income tax return.

**Example for Worksheet C for the Year 2022**

Payee estimates income from his or her pension to be \$1,500 a month and is claiming the standard deduction and single with one withholding allowance.

1. Estimate annualized income (\$1,500 a month x 12 months). Enter on line 1.	1. \$ 18,000.00
2. Estimated nonwage income.	2. \$ 8,000.00
3. Add lines 1 and 2 and enter total on line 3.	3. \$ 26,000.00
4. Enter amount for single from line 2 of Worksheet B.	4. \$ 4,803.00
5. Enter adjustments to income shown on line 4 of Worksheet B.	5. 0.00
6. Enter sum of lines 4 and 5.	6. \$ 4,803.00
7. Subtract line 6 from line 3 and enter difference on line 7.	7. \$ 21,197.00
8. Compute the tax liability for the amount on line 7. Use the 2022 tables for single from Worksheet C under the entry covering \$21,197 (over \$9,325 but not over \$22,107). Compute 2.200% of the amount over \$9,325 ([ $\$21,197 - \$9,325$ ] x 0.02200 = \$261.18).                      \$ 261.18 Additional (PLUS) tax amount. <u>\$102.58</u> Enter the total on line 13.                                                      Total <u>\$363.76</u>	8. \$ 363.76
9. Enter the amount for one personal exemption on line 9 (1 x \$141.90).	9. \$ 141.90
10. Subtract line 9 from line 8 and enter the difference on line 10.	10. \$ 221.86
11. Enter any tax credits that will be allowed for 2022 (see FTB Form 540).	11. 0.00
12. Subtract line 11 from line 10 and enter the difference on line 12. This is your total estimated tax liability.	12. \$ 221.86
13. Calculate the tax withheld and estimated to be withheld during 2022. Withholding on the pension of \$1,500 a month claiming single with one withholding allowance based on the California withholding schedule for 2022 is $\$4.90 \times 12 = \$58.80$ . Enter that amount on line 13.	13. \$ 58.80
14. Subtract line 13 from line 12. Enter difference on line 14.	14. \$ 163.06
15. Divide line 14 by the number of pay periods remaining in the year. ( $\$163.06 \div 12 = \$13.59$ )	15. <u>\$ 13.59</u>

Enter \$13.59 on line 3 of the DE 4P.



Merced County Employees' Retirement Association

**DATE:** November 10, 2022  
**TO:** MercedCERA Board of Retirement  
**FROM:** Kristie Santos, Plan Administrator  
**SUBJECT:** Obtaining a credit card on behalf of MercedCERA  
**ITEM NUMBER:** 2  
**ITEM TYPE:** Action

**DISCUSSION:**

MercedCERA relies heavily on the County of Merced for many services such as information technology, human resources and other administrative services. In the past, there was a reluctance on behalf of the County to grant a credit card (or purchase card) under the County's umbrella specifically for MercedCERA because of existing policies and controls.

MercedCERA currently relies upon the County's purchasing agent for items such as periodical subscriptions, travel and other items regularly charged to credit cards.

As with any invoice that is paid by MercedCERA, the proposed credit card will be paid and accounted for using the County's accounts payable process with the appropriate documentation and authorization(s). Authorized users of the card would be the Plan Administrator, the Finance Manager and the Benefits Manager.

The Plan Administrator is requesting an action by the Board to permit MercedCERA to obtain our own credit card with the Association's EIN.



Merced County Employees' Retirement Association

**DATE:** November 10, 2022

**TO:** MercedCERA Board of Retirement

**FROM:** Kristie Santos, Plan Administrator

**SUBJECT:** Review of Bylaws 2022

**ITEM NUMBER:** 3

**ITEM TYPE:** Action

**STAFF RECOMMENDATION:**

1. Adopt the proposed changes as recommended by the Ad Hoc Bylaws Board Subcommittee and direct Plan Administrator to submit to the Merced County Board of Supervisors for approval.

**DISCUSSION:**

The MercedCERA Board of Retirement Ad Hoc Bylaws Review Subcommittee and Association staff are proposing several major bylaw changes. Below is a list of the substantial changes;

- Delegation to Plan Administrator; adds language to delegate issuing subpoenas, released unclaimed funds, determine the date of a disability retirement based on the facts of the case, correct administrative errors and exercise authority in the approved delegation of authority policies.
- Plan Administrator and Chief Investment Officer oversight; reiterates the Board of Retirement has appointing, salary setting and oversight of the Plan Administrator and Chief Investment Officer positions.
- Meetings; as proposed by the Ad Hoc Bylaws Board Subcommittee to go to one meeting on the 4th Thursday of the month. Previously, two meetings were held on the 2nd and 4th Thursday of the month.
- Trainings; all trainings and associated travel will be scheduled by Association staff. The definition of training has been expanded to include due diligence trips and investor day presentations of funds and General Partners. A list of pre-approved trainings and conferences are now included in the Bylaws document and those on the list no longer need to be approved in open session by the Board. If items not on the list are requested, the training or conference item must be brought to the full board for approval prior to travel.
- Quorum; when or if only five members of the Board are present for a meeting which constitutes a quorum (except for disability hearings) a unanimous vote is needed for an item to pass. If there is not a unanimous vote, then the item must return to the full board for discussion and action.
- Meeting Minutes; board meetings will no longer be recorded, and recordings kept for 180 days. This will become effective when the bylaws are approved by the County Board of Supervisors.

3199 M Street • Merced, CA 95348 • (p) 209.726.2724 (f) 209.725.3637

[www.mercedcera.com](http://www.mercedcera.com) • [mcera@countyofmerced.com](mailto:mcera@countyofmerced.com)

- Meeting Agendas; meeting agenda content and items can be brought to the Board in various ways which include topics brought in open session as requested by the member of the Board, the public or staff. Items can be brought by the Plan Administrator with approval by the Chair and or Vice Chair. During public comment, a member of the public may request an item be agendaized at a later date.
- Travel; MercedCERA will generally follow the County's travel policy for ease except for the following; travel is approved by the Plan Administrator or the Board of Retirement instead of the County's CEO for all staff and Trustees; staff and Trustees will be reimbursed for actual costs with some exceptions as outlined in the Bylaws document, the Board may bring in candidates for the Plan Administrator and Chief Investment Officer position recruitments with costs paid by the Association.

Please note, the format has been updated and other changes has not substantially changed the content of the sections.

Recommendation: Adopt the proposed changes as recommended by the Ad Hoc Bylaws Board Subcommittee and direct Plan Administrator to submit to the Merced County Board of Supervisors for approval.

~~MERCED COUNTY  
EMPLOYEES' RETIREMENT  
ASSOCIATION~~

~~MERCED~~ CERA

Merced County Employees' Retirement Association

Board of Retirement Bylaws

December ~~2019~~2022



## Table of Contents

<b>Name</b> .....	4
<b>Purpose of Association</b> .....	4
<b>Definitions</b> .....	4
<b>Delegation to the Plan Administrator</b> .....	4
<b>Fiscal Year</b> .....	4
<b>Communication and Requests to the Board</b> .....	4
<b>Officers</b> .....	5
<b>Election and Appointment of Board Members</b> .....	5
<b>Plan Administrator</b> .....	6
<b>Chief Investment Officer</b> .....	6
<b>Regular Meetings</b> .....	6
<b>Special Meetings</b> .....	7
<b>Attendance</b> .....	7
<b>Board Education Hours</b> .....	7
<b>Training</b> .....	7
<b>Board Meeting Governance</b> .....	7
<b>Quorum</b> .....	7
<b>Minutes</b> .....	8
<b>Disability Retirement Hearings</b> .....	8
<b>Confidentiality</b> .....	8
<b>Meeting Agendas</b> .....	8
<b>Committees</b> .....	8
<b>Travel</b> .....	8
<b>Membership</b> .....	9
<b>Mandatory Membership</b> .....	9
<b>Exempt</b> .....	9
<b>Associations Normal Retirement Age and Employment Regulations</b> .....	10
<b>Evidence of Birth</b> .....	10
<b>Evidence of Beneficiary</b> .....	10
<b>Election of Benefits</b> .....	10
<b>Member Contributions</b> .....	11
<b>Refund of Contributions</b> .....	11
<b>Redeposits</b> .....	11

<b>Acceptance of Plan to Plan Transfers and Rollovers</b> .....	12
<b>True Up of Plan to Plan Transfers and Direct Rollovers</b> .....	12
<b>Correction of Errors or Omissions</b> .....	12
<b>Corrections to Employee Contributions</b> .....	13
<b>IRS Minimum Distribution Requirements</b> .....	13
<b>Appeals and Review of Benefit Calculations</b> .....	14
<b>Current Service</b> .....	14
<b>Compensation Earnable</b> .....	14
<b>Additional Contributions</b> .....	15
<b>Amendments of Bylaws</b> .....	15
<b>Repeals</b> .....	15
<b>Appendix A</b> .....	16
<b>Administration</b> .....	4
<b>Name</b> .....	4
<b>Purpose of Association</b> .....	4
<b>Definitions</b> .....	4
<b>Management</b> .....	4
<b>Communication and Requests to the Board</b> .....	4
<b>Officers</b> .....	4
<b>Election and Appointment of Board Members</b> .....	4
<b>Meetings</b> .....	5
<b>Regular Meetings</b> .....	5
<b>Special Meetings</b> .....	6
<b>Attendance</b> .....	6
<b>Training</b> .....	6
<b>Board Meeting Governance</b> .....	6
<b>Quorum</b> .....	6
<b>Minutes</b> .....	6
<b>Disability Hearings</b> .....	7
<b>Confidentiality</b> .....	7
<b>Meeting Agendas</b> .....	7
<b>Committees</b> .....	7
<b>Travel</b> .....	7

Membership .....	7
Mandatory Membership .....	7
Exempt .....	8
Eligibility for Service Retirement .....	8
Associations Normal Retirement Age and Employment Regulations .....	8
Evidence of Birth .....	8
Evidence of Beneficiary .....	9
Election of Benefits .....	9
Member Contributions .....	9
Member Contributions .....	9
Refund of Contributions .....	9
Redeposits .....	10
Acceptance of Plan to Plan Transfers and Rollovers .....	10
True up of Plan to Plan Transfers and Direct Rollovers .....	10
Correction of Errors or Omissions .....	11
Corrections to Employee Contributions .....	12
Appeals and Review of Benefit Calculations .....	12
Service .....	13
Current Service .....	13
Compensation Earnable .....	13
Additional Contributions .....	13
Amendments of Bylaws .....	13
Request for Delay or Rescheduling of Disability Hearing .....	14
Repeals .....	14

## **Administration**

### **Name**

The name of this association is the Merced County Employees' Retirement Association ("MercedCERA" or the "Association").

### **Purpose of Association**

This Association is established pursuant and subject to the County Employee's Retirement Law of 1937 ("CERL"), found at California Government Code Sections 31450 et seq. (CERL). ~~For the purposes of carrying out the provisions of CERL,~~ This Association is governed by the CERL as supplemented by these bylaws. These bylaws are intended to implement the CERL, ~~and~~ not to conflict with the CERL, and shall be interpreted accordingly. If any portions of these bylaws conflict with the CERL, the CERL shall prevail.

### **Definitions**

Words, terms, and phrases used in these bylaws that are defined in the CERL shall ~~be as defined in the CERL~~ have the meaning ascribed in the CERL, unless ~~otherwise~~ specified otherwise in these bylaws.

### **Management Delegation to the Plan Administrator**

The management of the Association shall be vested in the Board of Retirement ("Board"). The day to day operations of the Association is delegated to the Plan Administrator or designee. In addition to the normal duties required to administer the Association on a day to day basis, the Plan Administrator is authorized to perform the following duties which would otherwise be reserved for the Board:

- Under Government Code section 31535, issue subpoenas and subpoenas duces tecum.
- Under Government Section Code 31629, release unclaimed funds provided the claimant has adequately established their identity and makes application for funds.
- Under Government Section Code 31724, determine that the effective date of a member's disability retirement is a date earlier than the date the application was filed if the delay in filing was due to administrative oversight or inability to ascertain permanency of incapacity and where credible documentation exists to support such findings.
- Correct administrative error in the calculation of retirement benefits, with the issue of retroactive correction, reserved to the Board's discretion to be exercised in accordance with applicable law.
- Exercise the authority granted under the Board's "Delegation of Authority for Plan Administrator Policy" and "Investment Delegation of Authority Policy".

### **Fiscal Year**

MercedCERA's fiscal year shall be July 1 to June 30.

### **Communication and Requests to the Board**

Unless brought personally to the Board at its regular meeting, all communication and requests to the Board, whether addressed to the Chair or to any individual member, shall be in writing.

~~and such requests and actions of t~~The Board ~~in response~~ may respond to such communication if placed on the agenda for a Board Meeting. ~~shall be noted in the minutes.~~ Such ~~e~~Communications ~~to the Board~~ should be sent to Attention: Board of Retirement, 3199 M Street, Merced, California 95348.

## Officers

~~Board members are elected and appointed pursuant to Government Section 31520.1.~~ At the first regular meeting in July of each year, or as soon as practicable thereafter, the Board shall elect from its members a Chair, Vice Chair and Secretary, for a term of one (1) year or until the successor is duly elected. Should any officer fail for any reason to complete the term, the Board shall elect a successor for the balance of the unexpired term at its next regular meeting, or when practicable. Officers may be removed by a two-thirds vote of the entire Board.

## Election and Appointment of Board Members

Pursuant to Government Code ~~S~~section 31520.1, and ~~S~~section 31520.5, the Board shall be composed of nine (9) members, one alternate safety member and one alternate retired member.

The Board of Retirement seats are as follows;

Seat 1 – County Treasurer ~~appointed by Statute §31520.1~~

Seat 2 – Elected by general membership ~~(active employees)~~

Seat 3 – Elected by general membership ~~(active employees)~~

Seat 4 – Appointed by the Board of Supervisors

Seat 5 – Appointed by the Board of Supervisors (currently ~~to be~~ a Board of Supervisor)

Seat 6 – Appointed by ~~the~~ Board of Supervisors

Seat 7 – Elected by safety membership ~~(active employees)~~

~~Seat 8 – Elected by retired membership~~

Seat ~~8~~9 – Appointed by the Board of Supervisors

~~Seat 9 – Elected by retired membership~~

Alternate Safety ~~s~~Seat ~~(Seat 7a)~~ – Elected by safety membership (shall be a different county safety personnel classification than Seat 7 Trustee)

Alternate Retiree ~~s~~Seat ~~(Seat 8a)~~ – Elected by retired membership

The Board shall determine ~~by motion which the~~ procedure ~~shall be established to be used~~ for the election of the second, third, seventh, eighth, the alternate safety member, and the alternate retired member:

- a) The election may be conducted by the County Registrar of Voters who may establish the filing dates for candidates, the method of election, all election rules, the election date, and who ~~also~~ shall conduct the election and certify the results, or
- b) The election may be conducted by Association staff. The Plan Administrator will establish a procedure which will be brought to the Board for approval.

The candidate who receives the highest number of votes of the ballots ~~cast~~ for the ~~position seat cast~~ shall be declared the winner unless ~~otherwise determined by the CERL, the CERL requires~~ ~~otherwise~~. The newly elected ~~member of the Board~~ ~~member~~ may assume the seat

for which the candidate ran at the first Board meeting following the expiration of the term of the incumbent, or if the seat is vacant, may assume the seat at the ~~next-first~~ meeting ~~after following~~ the election if sworn in.

~~If only one candidate enters their name for the election once the final filing period has passed, t~~The Registrar of Voters or the Merced CERA Board of Retirement may appoint ~~the one-a~~ candidate to ~~the-a~~ seat in lieu of an election if only one candidate submits a declaration of candidacy for the seat.

Approval of these bylaws by the Board of Supervisors shall be deemed its approval of the election method for ~~members~~Board seats.

Pursuant to Government Code ~~S~~section 31521, the fourth, fifth, sixth, eighth, ninth and alternate retired members of the Board shall receive compensation at the rate of one hundred dollars (\$100) per meeting, limited to ~~three-no more than five~~ meetings per month. A Board member must be an appointed member of a committee or subcommittee to receive compensation for attendance at a committee or subcommittee meeting. Mileage and travel costs will not be reimbursed for attendance at Board meetings. The fifth seat (~~or~~ Seat 5), as an active member on the Board of Supervisor ~~for the County~~, receives a salary from the County and therefore all meeting stipends from the Association are waived to attend meetings.

Alternate trustees shall have the same access and rights as other Board members. Including, but not limited to, access to information, consultants, travel, conferences and trainings. The alternate retired member shall receive compensation for attending meetings regardless of eligibility to vote at the meetings.

### **Plan Administrator**

Under Government Code section 31522.2 the Plan Administrator is appointed by the Board of Retirement and is not subject to County civil service or merit system rules. The person appointed is a county employee and the position shall be included in the salary ordinance or salary resolutions adopted by the Board of Supervisors. The Plan Administrator shall be directed by, shall serve at the pleasure of and may be dismissed by the will of, the appointing Board. The Board shall deliver performance appraisals for and set the salary of the Plan Administrator.

### **Chief Investment Officer**

Under Government Code section 31522.3 the Chief Investment Officer is appointed by the Board of Retirement and is not subject to County civil service ~~or~~ merit system rules. The person appointed is a county employee and shall be included in the salary ordinance or salary resolution adopted by the Board of Supervisors. The Chief Investment Officer shall serve at the pleasure of, and may be dismissed at the will of the appointing Board. The Board shall deliver performance appraisals for and set the salary range of the Chief Investment Officer.

## **Meetings**

### **Regular Meetings**

~~Regular meetings of the Board shall be held on the second and fourth Thursday of each month~~

~~at 8:15AM at the Retirement Office located at 3199 M Street, Merced, CA 95348 unless the place and or dates of the meeting are changed by order of the Board and timely noticed. The first meeting of the month may be for administrative matters and the second meeting may be for investment matters, unless changed by order by the Chair or the Board. Meetings may be adjourned by a Board member if a quorum is not present to conduct the meeting. The Plan Administrator may cancel a meeting if it is confirmed in advance that a quorum will not be present to conduct Association business. Regular Board Meetings shall be held on the Fourth Thursday of each month at 8:1530AM except for meetings in November and December. Meetings in November and December will be scheduled to avoid any conflicts with holidays (usually the first or second Thursday of the month). Meetings will be held at the County Administrative Building, located at 2222 M Street, Merced, CA, basement Cconference rooms unless the place or dates of the meeting are changed by order of the Board and timely noticed. Meetings may be adjourned by a Board member or the Plan Administrator if a quorum is not present to conduct the meeting. The Plan Administrator may cancel a meeting if it is confirmed in advance that a quorum will not be present, or there is no need for the meeting due to lack of business to conduct.~~

### **Special Meetings**

Special meetings of the Board may be called in accordance with the Brown Act.

### **Attendance**

Attendance at Board meetings is expected by every Board member. Board member attendance ~~It is critical for the Association to conduct its business, and make improvements in the Association.~~ Without a quorum (five Mmembers) no business may be conducted. With less than all Mmembers attending, every Mmember's perspective is not included in all decisions. Every meeting is an opportunity, not only to conduct the Association's business, but to learn more about the Association's business and how to improve the Association.

### **Board Education Hours**

~~Board Members are expected to attend at least one MCERA supported education events each year to fulfill their statutory educational requirements. One hour of A Board Mmember may earn one hour of education credit monthly by attending the education will be provided each month by attending the MercedCERA Board Meetings, which allows a so that Board Mmembers to fulfill theirthe may fulfill their requirement of obtaining 24 hours of education for every two-year period served on the Board in two years as mandated by Government Code section 31522.8 requirement just by attending regular meetings.~~ Thirty minutes of education will be granted each month with the Association's subscription(s) of investment and economic periodicals such as the Wall Street Journal and Pension & Investments Online. Board Mmembers will be offered the subscription(s) with the expectation that Members-Trustees stay informed on current events impacting MercedCERA's investments. Board members are also expected to attend a minimum of one MercedCERA supported education event each year (see Appendix A for pre-approved events).

### **Training**

In addition to statutorily required education requirements, the~~The~~ Board recognizes the importance of training for all trustees to enable them to perform the duties of their position.

All Board members ~~may be~~ encouraged to attend training courses held annually that are sponsored by organizations such as, but not limited to, SACRS, CALAPRS, or other educational organizations. Trainings that involve travel (in state or out of state) will be scheduled by Association staff. The training budget for the Association is set by the Board of Retirement during the yearly budget process. Training classes may also include, but are not limited to, investment education trips and investor (education) days held by MercedCERA managers and General Partners. Items listed in Appendix A do not have to be requested in a public meeting and approved by the Board of Retirement. Any education or training trip not listed in Appendix A, will must be added to the agenda and approved by the Board of Retirement prior to Board member attendance. ~~One hour of Board member education shall be provided each month for meeting attendance and 30 minutes per month may be given for financial periodical subscriptions so that Board members may fulfill their 24 hours of education in two years as mandated by Government Code section 31522.8 by attending regular meetings and maintaining knowledge of current financial events.~~

### **Board Meeting Governance**

Rosenberg's Rules of Order, except as otherwise provided herein, may guide the Board in its proceedings. Further, the Ralph M. Brown Act shall govern the Board in its proceedings.

### **Quorum**

Five (5) members of the Board constitute a quorum, except for Disability Hearings where four (4) members constitute a quorum. An exception to the requirement for five (5) member quorum requirement, is in the case of hearings on Disability Hearings (formal or informal). The Regulations provide for four (4) members shall constitute a quorA decision made by the Board shall be effective with the vote of the greater of a majority of all members present. ~~or five (5) five (5) or more members~~For Disability Hearings, the vote required is set in the Board's Disability Retirement Handbook. ~~um.~~

In the event a majority of the Board ~~members find themselves attending~~ is at a purely social or ceremonial occasion, ~~such the~~ Board members in attendance shall not discuss among themselves business that is within the subject matter jurisdiction of the Board.

### **Minutes**

The Chair shall cause to be recorded in the minutes, the date, time and place of each meeting of the Board, the names of members present, all official acts of the Board, the motions and seconds, the votes given by Board members, except where the action is unanimous, and when requested, a member's dissent or approval with reasons, and shall cause the minutes to be written up and presented for approval at the next regular meeting. The minutes shall be submitted by the Plan Administrator and approved ~~or and~~ signed by the Chair and Secretary, and shall form part of the permanent records of the Board. ~~shall form part of the permanent records of the Board. Recordings of Board meetings will be kept for 180 days from the date of recording.~~

### **Disability Retirement Hearings**

~~Disability hearings shall be scheduled and conducted as provided under Disability Rules and Regulations. The minimum quorum requirement for a Board Disability Hearing (formal or informal) is four (4) voting members~~Disability retirement hearings shall be scheduled and

conducted as provided by the Board's Disability Retirement Handbook.

### **Confidentiality**

No Board member or staff shall publicly disclose any information received and discussed in a closed session, unless the information is authorized to be disclosed by law or by action of the Board. ~~Public or third party disclosure by a Board member or staff, either directly or indirectly, of any properly closed session confidential information obtained in closed session by a Board member or staff shall be subject to~~ shall be subject to, among other available remedies, disciplinary action or referral to a grand jury, sanctions as permitted by law against the person for willful misconduct in office, and/or other sanctions or disciplinary actions as permitted and deemed appropriate by the Board.

### **Meeting Agendas**

~~Items may be set on meeting agendas as follows:~~ Meeting agendas may be set by the

- ~~• By the~~ Plan Administrator with approval from the Chair and or Vice Chair.
- ~~• A Trustee, during an open session a Board meeting underwhen the regular agenda item of "Trustee Information" is addressed, may direct the Plan Administrator to place an item on a future agenda.~~
- ~~• Outside a Board meeting, a Any member of the public, consultant, or member of the Board may forward items shall forward items to be put on the agenda to to the Plan Administrator for possible inclusion on an agenda. and those items will be discussed and may be agendized with the Chair.~~
- ~~• Members of the public may appear at any open session of a Board meeting and during the "Public Comment" portion of the meeting request that an item be placed on a future agenda and that item may be included on the Agenda. and ask for an item to be placed on the agenda and the Board may direct the Plan Administrator to place an item on the meeting agenda to be heard at the next regular meeting, if appropriate.~~

### **Committees**

The Investment Committee and the Crisis Response Committees are permanent sub-committees. The Officers of the Board will operate as the Crisis Response Committee which will be the Chair, Vice Chair and Secretary. For all other committees, Board Members may be appointed by the Chair to committees of the Board as needed. These committees may be ad hoc in nature, ~~except the Investment Committee and Crisis Response Committee.~~

### **Travel**

~~All members of the Board members and the Plan Administrator staff may shall follow the County's travel policy for travel except for the following; Board and staff of MercedCERA shall receive reimbursement for actual, reasonable, and necessary travel expenses. Reasonable expenses may include airfare (must be refundable airfare as MercedCERA will not hold, pay for or reimburse for vouchers or coupons of canceled flights), train fare, mileage (IRS approved or Merced County approved rates), ferry, toll, parking, shuttle, taxi service (including tip), ride services such as Uber or Lyft (including tips), hotel lodging, meals including tips, necessary business calls or use of business centers for Association business, tips for portorage and other expenses which are incurred for MercedCERA travel. The traveler should present receipts for all items which are easily obtainable (such as lodging and meals), but may also claim amounts for such expenses as bridge toll, taxi service, or tips for~~

portorage for which receipts are not generally given. MercedCERA will not pay or reimburse for any costs of alcohol or any costs incurred by spouses, family members, or friends accompanying the staff, Trustee, or potential candidate unless explicitly approved by the Board of Retirement. If receipts are not presented, then MercedCERA will pay the County's per diem costs. consistent with the travel and reimbursement policy of the County of Merced for trainings or Board related business.

Board ~~m~~Members and ~~the Plan Administrator~~staff may have to travel on Board business which may not be defined under the procedures of the Merced County Travel Policy. If certain aspects of the travel do not fall within the County's policy (again followed for ease), the Plan Administrator may approve the travel cost or may place an agenda item for the Board's consideration of that travel cost.~~All travel that falls under this definition may be discussed and approved by the Board of Retirement prior to travel taking place, if possible. The Board and Association may use www.GSA.gov as a guide if the County's travel policy does not prevail.~~

If eligible Board Members travel as a result of subcommittee business, the Trustee may be eligible for the MercedCERA Meeting stipend as prescribed in the CERL in addition to travel reimbursement.

The Board may also bring potential candidates to meet the Board during the recruitment process for positions of the Plan Administrator or, Chief Investment Officer. Reimbursement of actual expenses of those candidates will be subject to the approval of the Plan Administrator, or, in the absence of a Plan Administrator, the Board.

## **Membership**

### **Membership**

Membership in the Association shall be as defined by the CERL and by the California Public Employees' Pension Reform Act of 2013 (PEPRA).

### **Mandatory Membership**

Any employee of the County of Merced, Merced County Superior Court, or of any special ~~D~~istrict included in the Association, who is eligible for membership, shall be considered to be a member on the first day of employment (as adopted by Board Resolution 98-02 in 1998). Newly hired employees who have attained the age of 60 and elected officials have the option of waiving membership. Employees hired prior to 1998 became members on the first day of the next payroll period following appointment to a full time permanent position. For members with incoming reciprocity, ~~T~~he Association may delay the effective start date of a member up to 12 weeks after the date of employment, or employment or may terminate credited service with the Association no earlier than 12 weeks prior to the member's termination from employment for the purpose of establishing reciprocity with another public retirement system as described in the CERL.

## Exempt

~~An employee who is classified by his department head in any one of the~~ The following classifications shall be exempt from membership in this Association:

- a) Extra Help
- b) Seasonal Employee
- c) Intermittent Employee
- d) Part Time Employees
- e) Student Intern/Assistant

## Eligibility for Service Retirement

~~In addition to the provisions of the CERL pertaining to service retirement, the Association references Government Section Code 31499.4 of the CERL.~~

## Association's Normal Retirement Age and Employment Regulations

The Board has adopted a policy defining normal retirement age as 50 for safety members and as age 60 for ~~miscellaneous~~ general members. The resolutions also require that a bona fide separation from service must occur before any retired member, who is younger than normal retirement age, can be employed as a retiree by an Association's employer. These regulations do not apply to a safety members 50 years or older or a retiring ~~miscellaneous~~ general member, 60 years or older.

## Evidence of Birth

~~Prior to the time that the first warrant is issued to any member for retirement allowance, every member of the Association shall be required to submit to the Plan Administrator a certified copy of a birth certificate.~~ Members are required to submit a copy of their birth certificate to the Plan Administrator before the Association issues a benefit payment. - If a birth certificate is not ~~attainable~~ available because such a record does not exist, then a member may submit one of the following: infant baptismal certificate, hospital birth record, current valid passport or valid passport card. If those ~~certifications-records could not be obtained~~ are not available, then the member may submit any two (different) of the following: a notarized affidavit by an older member of the family, ~~or~~ a certificate of military service, ~~or~~ a marriage certificate if age is shown on the certificate, a ~~or~~ naturalization certificates issued ~~the~~ by the United States government, ~~or~~ a child's birth certificate if the age of the member is shown on the certificate, or a current Real-California Real ID. ~~The A member's~~ failure to comply with this requirement shall give the Board the discretion to determine the rate of contribution.

In the event of a discrepancy of age, the latest birth date shall prevail. The evidence of birth shall be submitted to the Plan Administrator. If the evidence does not meet the criteria above or is not acceptable to the Plan Administrator, a request may be submitted to the Board to determine ~~whether-which~~ evidence of birth shall be accepted. Any member contribution shortfall that may arise from the difference in age, shall be paid by the member to the Association, prior to retirement.

## Evidence of Beneficiary

At the time of applying for a retirement benefit, the member shall provide evidence of marriage or Domestic Partner Registration if the designated beneficiary is a spouse or domestic partner. Evidence of birth as described above, shall be submitted for beneficiaries.

### **Election of Benefits**

Prior to the first warrant being issued to a member for a retirement allowance, such member shall be furnished with a statement indicating the amount of his or her retirement allowance, calculated in accordance with the unmodified and various optional modes of settlement. Such statement shall provide for the signature of the member, indicating the choice as to type of allowance selected and, when signed by the Plan Administrator or any other authorized retirement staff, shall constitute the annuity certificate provided for in Government Section Code 31760.

After the initial retirement payment is processed for payment (estimated 5 business days prior to actual receipt of payment by member) no changes shall be made to the option selected by the member. No changes shall be made to the beneficiary named by the member unless Option 1 (return of employee contributions) was selected.

Reciprocal members who are granted a disability retirement may be subject to an offset of their retirement allowance, in accordance with Government ~~Section C~~Code section 31838.5 ~~of the CERL.~~

### **Member Contributions**

Member contributions ~~rates~~ for Tiers 1, 2 and 3 shall be based on ~~the~~ compensation earnable and member age at entry into the Association and shall be deducted only for the pay periods during which service for compensation is rendered. Contributions for Tier 4 members shall be a flat rate based on plan type, safety or general.

### **Refund of Contributions**

- a) A member terminating membership and employment from the Association employer may receive a refund of contributions, including interest last credited, if any. The date of termination is the date the employee last received compensation on payroll. A request for a refund shall be made in writing and the Plan Administrator may make payment in whole, or in part withheld, for a period not to exceed six months after date of separation.
- b) A deferred member may receive a refund of contributions if not classified as an outgoing reciprocal member; an outgoing reciprocal member may receive a refund upon receipt of confirmation in writing from the reciprocal system that the member has terminated employment.
- c) At the Board meetings preceding June 30<sup>th</sup> and December 31<sup>st</sup> of each year, the Board will declare the rate of interest which shall be credited to the members' and employers' accounts prospectively in accordance with the Board's Interest Crediting Policy ~~in accordance with~~ as provided in the CERL.

## Redeposits

After a refund of contributions, if prior to filing an application for retirement, a member fails to redeposit ~~in cash~~ or communicate in writing to the Association, an intention to redeposit ~~in writing to the Association~~, the member forfeits credit for past service and the rate of contribution is then based on the member's age at the time of reentry into the Association, ~~per Government Section Codes 31652 and 31642.~~

An eligible member who wishes to redeposit the amount previously withdrawn plus interest may do so upon application to the Association. ~~In its discretion, the Board may delegate to the Plan Administrator and staff to allow a maximum period of up to five years. Under Per Government Code Section 31831.3,~~ the redeposit of contributions for service credit from a previous employment within a different benefit tier allows the member reentry into that former tier. If no request is made regarding a specific duration for repayment or if redeposit is not made in cash, the redeposit shall be made by means of increased contributions plus interest (see Board's Policy on Interest Crediting) until such redeposit has been completed, provided that this period shall not extend beyond five years after the date of reentrance into the Association. If a member terminates employment during a service purchase or redeposit, the remainder of payments must be made in a lump sum or service and contributions made toward the purchase or redeposit will be refunded.

~~Pursuant to Government Code Section 31831.3, a member may redeposit a refund of contributions while employed by a reciprocal system as a safety officer or if while employed by a reciprocal system seeks to redeposit contributions for past employment as a safety officer.~~

## Acceptance of Plan to Plan Transfers and Rollovers

For County of Merced and District 457(b) Plans, to the extent authorized by both federal and state law and the Merced County Board of Supervisors or the District Board of Directors, the Association shall accept plan to plan fund transfers and accept direct rollover funds from eligible 457(b) plans of the County of Merced and Districts to satisfy all or part of the payment of contributions for the limited purposes of redepositing withdrawn contributions and purchasing extra help or permanent time in a non-covered position, time as an elective officer with break in service, military service, and sick leave without pay. The amount transferred or rolled over shall not exceed the amount required for the applicable purpose. Further, all transfers must be timely made in the form and manner established by the Plan Administrator. No transfer or rollover shall be accepted if, or to the extent, that it does not comply with federal and state tax laws.

## True Up of Plan to Plan Transfers and Direct Rollovers

Effective on adoption of these bylaws, the Association will apply applicable interest on plan to plan transfers and direct rollovers based upon the date in which the funds were effectively received by the Association and the agreed upon date of transfer or rollover in the member's purchase agreement. If the member does not pay the amount owed for the applicable purpose by the date required by on the redeposit agreement, the Plan Administrator shall, as soon as reasonably possible, inform the member of the additional amount owed to complete the redeposit agreement. The member will have 30 days to pay the additional amount owed by ~~cash or personal check~~ or cashier's check. If ~~cash or a personal check~~ the deposit for the additional amount is not received by the Association within 30 working days after the date

that the Plan Administrator notifies the member of the additional amount owed, then all of the transferred or rolled over funds will be returned to the qualified 457(b) or 457 plan and the purchase will be voided and treated as never having occurred. However, ~~no cash or personal check~~ or cashier's check shall be accepted if, or to the extent, that it does not comply with federal tax law. If the member pays more than the amount owed for the applicable purpose by the date required by the redeposit or purchase agreement, the Association will return the excess amount immediately and directly to the transferring 457 plan.

### **Correction of Errors or Omissions**

Pursuant to Government Code ~~s~~Section ~~and~~ 31539, and for the purposes of payments into or out of the retirement fund for adjustments of errors or omissions:

- a) No action may be commenced by or against the Board or the Association more than ten (10) years after all obligations to or on behalf of the member, former member, beneficiary, or annuity beneficiary have been discharged.
- b) If the Association makes an error that results in incorrect payment to a member, former member, beneficiary, or annuity beneficiary, the Association's right to commence recovery shall expire ten (10) years from the date the incorrect payment was made or the error was discovered, whichever is later.
- c) If an incorrect payment is made due to lack of information or inaccurate information regarding the eligibility of a member, former member, beneficiary, or annuity beneficiary to receive benefits, the period of limitation shall commence with the discovery of the incorrect payment.
- d) Notwithstanding any other provision of this section, if an incorrect payment has been made on the basis of fraud or intentional misrepresentation by a member, beneficiary, annuity beneficiary, or other party in relation to or on behalf of a member, beneficiary, or annuity beneficiary, then the ~~b~~Board may commence an action up to 10 years from the date of the payment or upon discovery of the facts, fraud, or intentional misrepresentation, whichever is later.
- e) For overpayments less than \$100, the Plan Administrator shall make a request for payment, but if no payment is made, the Plan Administrator may write off the account.
- f) If the member is receiving an ongoing benefit and the Association, or employer error caused an overpayment in a benefit, then the Association may collect from the member's ongoing benefit-, until the overpayment is discharged.
- g) If the member is not receiving an ongoing benefit and has received an overpayment in a lump sum benefit of up to \$25,000, then the Plan Administrator shall have authority pursuant to these bylaws to take action to recover the overpayment. If the member is not receiving an ongoing benefit and has received an overpayment in a lump sum benefit of more than \$25,000, then the Plan Administrator will pursue collection efforts after consultation with the Board.

### **Corrections to Employee Contributions**

- a) The amount of any underpayment of employee contributions must be made to the Association prior to retirement through the employer's payroll system unless the Plan Administrator determines that the underpayment is de\_minimis

and cost of collection would exceed the benefit of recovery. If the underpayment of employee contributions is discovered at or after termination of service, the amount of the underpayment will be deducted from the member's monthly ~~retirement warrant~~benefit payment.

- b) In accordance with Title 26 of the U.S. Code, overpayment of employee contributions made on a pretax basis will be returned to the employee by the Association on separation from service with all employers that contribute to the Association or after the employee reaches normal retirement age. Prior to that time, the employer may correct the overpayment through its payroll system and the Association will credit the employer with the amount of the correction.
- c) In the collecting, withdrawing, redepositing, and returning of employee contributions, whether for mandatory or permissive employee contributions, the Association will act as an agent for the member's employer in arranging for the collection of employee contributions (and redeposits) that are made through the employer's payroll system.

### **IRS Minimum Distribution Requirements**

~~MCERA is required by~~ IRS Regulation 401(a)9 requires MercedCERA to reduce a beneficiary's monthly benefit if the beneficiary is a non-spouse beneficiary who is ten (10) or more years younger than- the member.

### **Appeals and Review of Benefit Calculations**

Requests for the review or change of pension benefits for which any member feels have been made in error by the Association shall be addressed in writing to the Plan Administrator within 90 days of the member's first monthly benefit payment. The Plan Administrator will review and provide a written response to the member on the calculations in question. The Plan Administrator has the authority to verify the calculations by the Association's actuary.

If the member disputes the Plan Administrator's review and outcome of the calculations, the member may request the Board to review the matter. The Board will review the matter at a regularly scheduled Board meeting in open session. The member may attend the Board meeting, and the Board, ~~in its discretion,~~ may invite the member to briefly address the issue, prior to its decision on the matter.

A decision by the Board is final. The Board will direct its Counsel to prepare a written decision to the member.

Judicial review of final Board of Retirement decisions shall be subject to Code of Civil Procedure sSection 1094.6, as provided by these ~~B~~by-laws. Following final decision on disputed matters, the Plan Administrator shall send to the member written notice as follows: "Pursuant to the Retirement Board's ~~B~~by-laws, action to seek judicial review of this decision is governed by the provisions of Section 1094.6 of the Code of Civil Procedure of the State of California. You are advised that any such petition must be filed no~~t~~ later than the ninetieth (90th) day following the date a decision becomes final."

## **Service**

### **Current Service**

Credit shall be given for each hour of service rendered for compensation after July 1, 1950, for which a contribution is made by the employee to the Association unless the member qualifies for a thirty (30) year exemption.

When computing service, such service shall be calculated by hours. No member shall be credited with more than 2,080 hours of service in any one year, unless there is a 27<sup>th</sup> pay period making the total hours 2160 hours in any one year.

A member may purchase and receive retirement service credit for any Association employer service that is rendered prior to becoming a member for which contributions were not made. Under certain conditions, military and medical leave without pay may also be purchased.

A member may pay for service credit purchases by a lump sum rollover of eligible funds or through payroll deductions. A purchase made through payroll deductions which is not completed in full requires Board approval to receive partial retirement service credit.

### **Compensation Earnable**

The Board will ~~make the determination of determine whether compensation qualifies as “Compensation Earnable” inclusion or exclusion in compensation earnable~~ at such time that additional items of compensation are made known to the Board. Additionally, in the event an Association employer alters the manner in which compensation is paid, the Board will consider whether the altered benefit continues to meet the definition of “Compensation Earnable” or “Pensionable Compensation”.

Pursuant to the CERL and PEPRA, the “Compensation Earnable” –or “Pensionable Compensation“ of a member shall include only those items indicated by their title and pay code for which a retirement contribution is calculated and as listed in the pay code schedule maintained by the Auditor and as periodically amended, entitled, “Merced County Human Resources Department, Personnel Table, Attendance Special Pay” and as approved by Resolution of the Board.

For the purpose of calculating a final average compensation, it will be calculated based on 26 consecutive biweekly pay periods for Tier 1 members and 78 consecutive biweekly periods for Tier 2, 3 and 4 members.

### **Additional Contributions**

No additional contributions in excess of those provided in the CERL or PEPRA can be made by any member of the Association.

## Amendments of Bylaws

The Board ~~as it deems necessary,~~ may amend these bylaws at any regular Board meeting by an affirmative vote of at least five (5) Board members, and amendments shall become effective immediately following approval by the Merced County Board of Supervisors. Bylaws ~~may should~~ be reviewed minimally every three years for amendments and or changes.

### **~~Request for Delay or Rescheduling of Disability Hearing~~**

~~The Board shall allow only two requests for a delay or a rescheduling of an informal or formal disability hearing. If a second request for a delay or rescheduling results in the applicant's medical records being 6 months old or older, the member may be sent to an independent medical examiner (IME) by the Plan Administrator. All request(s) for a delay or rescheduling must be made in writing to the Plan Administrator. After the second request is made, and if a member feels they have extenuating circumstances to request another (third request or beyond), the member may submit a request in writing to the Board. The Board may grant, deny or direct Plan Administrator to look into the member's circumstances and bring to the Board for consideration.~~

## Repeals

All former bylaws, regulations and resolutions of policy inconsistent with these regulations are hereby repealed.

The foregoing bylaws were adopted by the Merced County Employees' Retirement Association Board upon motion.

Approved by Board of Supervisors February 28, 2006

Approved by Board of Supervisors October 16, 2007

Approved by Board of Supervisors May 12, 2009

Approved by Board of Supervisors, September 28, 2010

Approved by Board of Supervisors, February 25, 2014

Approved by Board of Supervisors, November 8, 2016

Approved by Board of Supervisors, January 9, 2018

Approved by Board of Supervisors, (DATE)

## Appendix A

### **Pre-approved travel for all Trustees and Staff:**

- Committee meetings and/or Plan Administrator or Chief Investment Officer meetings of the organizations named below of which the Board and/or staff member has been appointed
- State Association of County Retirement Systems (SACRS) regular meetings
- National Conference on Public Employee Retirement Systems (NCPERS) annual conference, annual safety conference and annual legislative workshop
- CALAPRS sponsored meetings
- National Association of State Retirement Administrators (NASRA) conferences
- SACRS sponsored meetings
- Global Financial Markets Institute programs
- CSAC California State Association of Counties
- Institute of Fiduciary Education conferences
- International Institute for Research annual Public Funds conference
- Pension and Investments conferences
- Pacific Pension Institute conferences
- Institutional Investor forums
- Council of Institutional Investors conferences
- Opal Financial Group conferences
- CRCEA California Retired County Employees' Association
- The Pension Bridge conferences
- Conferences sponsored by the Board of Retirement's retained consultants, investment managers, and pension software vendor
- Public Pension Financial Forum (P2F2) annual conference
- Government Finance Officers Association (GFOA) conference and trainings
- Institutional Limited Partners Association (ILPA) conference
- Chartered Financial Analyst (CFA) trainings
- Chartered Alternative Investment Analyst (CAIA) conference and Prism training
- Education hosted by other 1937 Act Pension Systems, CalPERS or CalSTRS
- GIOA Conferences



Merced County Employees' Retirement Association

**Board of Retirement Bylaws  
December 2022**

## Table of Contents

<b>Name</b> .....	4
<b>Purpose of Association</b> .....	4
<b>Definitions</b> .....	4
<b>Delegation to the Plan Administrator</b> .....	4
<b>Fiscal Year</b> .....	4
<b>Communication and Requests to the Board</b> .....	4
<b>Officers</b> .....	5
<b>Election and Appointment of Board Members</b> .....	5
<b>Plan Administrator</b> .....	6
<b>Chief Investment Officer</b> .....	6
<b>Regular Meetings</b> .....	6
<b>Special Meetings</b> .....	7
<b>Attendance</b> .....	7
<b>Board Education Hours</b> .....	7
<b>Training</b> .....	7
<b>Board Meeting Governance</b> .....	7
<b>Quorum</b> .....	7
<b>Minutes</b> .....	8
<b>Disability Retirement Hearings</b> .....	8
<b>Confidentiality</b> .....	8
<b>Meeting Agendas</b> .....	8
<b>Committees</b> .....	8
<b>Travel</b> .....	8
<b>Membership</b> .....	9
<b>Mandatory Membership</b> .....	9
<b>Exempt</b> .....	9
<b>Associations Normal Retirement Age and Employment Regulations</b> .....	10
<b>Evidence of Birth</b> .....	10
<b>Evidence of Beneficiary</b> .....	10
<b>Election of Benefits</b> .....	10
<b>Member Contributions</b> .....	11
<b>Refund of Contributions</b> .....	11
<b>Redeposits</b> .....	11

<b>Acceptance of Plan to Plan Transfers and Rollovers.....</b>	<b>12</b>
<b>True Up of Plan to Plan Transfers and Direct Rollovers.....</b>	<b>12</b>
<b>Correction of Errors or Omissions .....</b>	<b>12</b>
<b>Corrections to Employee Contributions .....</b>	<b>13</b>
<b>IRS Minimum Distribution Requirements .....</b>	<b>13</b>
<b>Appeals and Review of Benefit Calculations.....</b>	<b>14</b>
<b>Current Service .....</b>	<b>14</b>
<b>Compensation Earnable .....</b>	<b>14</b>
<b>Additional Contributions .....</b>	<b>15</b>
<b>Amendments of Bylaws .....</b>	<b>15</b>
<b>Repeals .....</b>	<b>15</b>
<b>Appendix A .....</b>	<b>16</b>

**Name**

The name of this association is the Merced County Employees' Retirement Association ("MercedCERA" or "Association").

**Purpose of Association**

This Association is established pursuant and subject to the County Employees Retirement Law of 1937("CERL"), found at California Government Code section 31450 et seq. This Association is governed by the CERL as supplemented by these bylaws. These bylaws are intended to implement the CERL, not to conflict with the CERL, and shall be interpreted accordingly. If any portion of these bylaws conflict with the CERL, the CERL shall prevail.

**Definitions**

Words, terms, and phrases used in these bylaws that are defined in the CERL shall have the meaning ascribed in the CERL, unless specified otherwise in these bylaws.

**Delegation to the Plan Administrator**

The management of the Association shall be vested in the Board of Retirement ("Board"). The day to day operations of the Association is delegated to the Plan Administrator or designee. In addition to the normal duties required to administer the Association on a day to day basis, the Plan Administrator is authorized to perform the following duties which would otherwise be reserved for the Board:

- Under Government Code section 31535, issue subpoenas and subpoenas duces tecum.
- Under Government Section Code 31629, release unclaimed funds provided the claimant has adequately established their identity and makes application for funds.
- Under Government Section Code 31724, determine that the effective date of a member's disability retirement is a date earlier than the date the application was filed if the delay in filing was due to administrative oversight or inability to ascertain permanency of incapacity and where credible documentation exists to support such findings.
- Correct administrative error in the calculation of retirement benefits, with the issue of retroactive correction, reserved to the Board's discretion to be exercised in accordance with applicable law.
- Exercise the authority granted under the Board's "Delegation of Authority for Plan Administrator Policy" and "Investment Delegation of Authority Policy".

**Fiscal Year**

MercedCERA's fiscal year shall be July 1 to June 30.

**Communication and Requests to the Board**

Unless brought personally to the Board at its regular meeting, all communication and requests to the Board, whether addressed to the Chair or to any individual member, shall be in writing. The Board may respond to such communication if placed on the agenda for a Board Meeting. Communication to the Board should be sent to Attention: Board of Retirement, 3199 M Street,

Merced, California 95348.

### **Officers**

At the first regular meeting in July of each year, or as soon as practicable thereafter, the Board shall elect from its members a Chair, Vice Chair and Secretary, for a term of one (1) year or until the successor is duly elected. Should any officer fail for any reason to complete the term, the Board shall elect a successor for the balance of the unexpired term at its next regular meeting, or when practicable. Officers may be removed by a two-thirds vote of the entire Board.

### **Election and Appointment of Board Members**

Pursuant to Government Code section 31520.1, and section 31520.5, the Board shall be composed of nine (9) members, one alternate safety member and one alternate retired member.

The Board of Retirement seats are as follows;

Seat 1 – County Treasurer

Seat 2 – Elected by general membership (active employees)

Seat 3 – Elected by general membership (active employees)

Seat 4 – Appointed by the Board of Supervisors

Seat 5 – Appointed by the Board of Supervisors (currently a Board of Supervisor)

Seat 6 – Appointed by the Board of Supervisors

Seat 7 – Elected by safety membership (active employees)

Seat 8 – Elected by retired membership

Seat 9 – Appointed by the Board of Supervisors

Alternate Safety Seat (Seat 7a) – Elected by safety membership (shall be a different county safety personnel classification than Seat 7 Trustee)

Alternate Retiree Seat (Seat 8a) – Elected by retired membership

The Board shall determine the procedure to be used for the election of the second, third, seventh, eighth, the alternate safety member, and the alternate retired member:

- a) The election may be conducted by the County Registrar of Voters who may establish the filing dates for candidates, the method of election, all election rules, the election date, and who shall conduct the election and certify the results, or
- b) The election may be conducted by Association staff. The Plan Administrator will establish a procedure which will be brought to the Board for approval.

The candidate who receives the highest number of votes of the ballots cast for the seat shall be declared the winner unless the CERL requires otherwise. The newly elected Board member may assume the seat for which the candidate ran at the first Board meeting following the expiration of the term of the incumbent, or if the seat is vacant, may assume the seat at the first meeting following the election if sworn in.

The Registrar of Voters or the MercedCERA Board of Retirement may appoint a candidate to a seat in lieu of an election if only one candidate submits a declaration of candidacy for

the seat.

Approval of these bylaws by the Board of Supervisors shall be deemed its approval of the election method for Board seats.

Pursuant to Government Code section 31521, the fourth, fifth, sixth, eighth, ninth and alternate retired members of the Board shall receive compensation at the rate of one hundred dollars (\$100) per meeting, limited to no more than five meetings per month. A Board member must be an appointed member of a committee or subcommittee to receive compensation for attendance at a committee or subcommittee meeting. Mileage and travel costs will not be reimbursed for attendance at Board meetings. The fifth seat (Seat 5), as an active member on the Board of Supervisor, receives a salary from the County and therefore all meeting stipends from the Association are waived to attend meetings.

Alternate trustees shall have the same access and rights as other Board members. Including, but not limited to, access to information, consultants, travel, conferences and trainings. The alternate retired member shall receive compensation for attending meetings regardless of eligibility to vote at the meetings.

#### **Plan Administrator**

Under Government Code section 31522.2 the Plan Administrator is appointed by the Board of Retirement and is not subject to County civil service or merit system rules. The person appointed is a county employee and the position shall be included in the salary ordinance or salary resolutions adopted by the Board of Supervisors. The Plan Administrator shall be directed by, shall serve at the pleasure of and may be dismissed by the will of, the appointing Board. The Board shall deliver performance appraisals for and set the salary of the Plan Administrator.

#### **Chief Investment Officer**

Under Government Code section 31522.3 the Chief Investment Officer is appointed by the Board of Retirement and is not subject to County civil service or merit system rules. The person appointed is a county employee and shall be included in the salary ordinance or salary resolution adopted by the Board of Supervisors. The Chief Investment Officer shall serve at the pleasure of, and may be dismissed at the will of the appointing Board. The Board shall deliver performance appraisals for and set the salary range of the Chief Investment Officer.

#### **Regular Meetings**

Regular Board Meetings shall be held on the Fourth Thursday of each month at 8:30AM except for meetings in November and December. Meetings in November and December will be scheduled to avoid any conflicts with holidays (usually the first or second Thursday of the month). Meetings will be held at the County Administrative Building, located at 2222 M Street, Merced, CA, basement conference rooms unless the place or dates of the meeting are changed by order of the Board and timely noticed. Meetings may be adjourned by a Board member or the Plan Administrator if a quorum is not present to conduct the meeting. The Plan Administrator may cancel a meeting if it is confirmed in advance that a quorum will not be present, or there is no need for the meeting due to lack of business to conduct.

## **Special Meetings**

Special meetings of the Board may be called in accordance with the Brown Act.

## **Attendance**

Attendance at Board meetings is expected by every Board member. Board member attendance is critical for the Association to conduct its business. Without a quorum (five members) no business may be conducted. With less than all members attending, every member's perspective is not included in all decisions. Every meeting is an opportunity, not only to conduct the Association's business, but to learn more about the Association's business and how to improve the Association.

## **Board Education Hours**

A Board member may earn one hour of education credit monthly by attending the MercedCERA Board Meetings, which allows a Board member to fulfill the requirement of obtaining 24 hours of education for every two-year period served on the Board. Thirty minutes of education will be granted each month with the Association's subscription(s) of investment and economic periodicals such as the Wall Street Journal and Pension & Investments Online. Board members will be offered the subscription(s) with the expectation that Trustees stay informed on current events impacting MercedCERA's investments. Board members are also expected to attend a minimum of one MercedCERA supported education event each year (see Appendix A for pre-approved events).

## **Training**

In addition to statutorily required education requirements, the Board recognizes the importance of training for all trustees to enable them to perform the duties of their position. All Board members are encouraged to attend training courses held annually that are sponsored by organizations such as, but not limited to, SACRS, CALAPRS, or other educational organizations. Trainings that involve travel (in state or out of state) will be scheduled by Association staff. The training budget for the Association is set by the Board of Retirement during the yearly budget process. Training classes may also include, but are not limited to, investment education trips and investor (education) days held by MercedCERA managers and General Partners. Items listed in Appendix A do not have to be requested in a public meeting and approved by the Board of Retirement. Any education or training trip not listed in Appendix A, must be added to the agenda and approved by the Board of Retirement prior to Board member attendance.

## **Board Meeting Governance**

Rosenberg's Rules of Order, except as otherwise provided herein, may guide the Board in its proceedings. Further, the Ralph M. Brown Act shall govern the Board in its proceedings.

## **Quorum**

Five (5) members of the Board constitute a quorum, except for Disability Hearings where four (4) members constitute a quorum. A decision made by the Board shall be effective with the vote of the greater of a majority of all members present.

In the event a majority of the Board is at a purely social or ceremonial occasion, the Board members in attendance shall not discuss among themselves business that is within the subject matter jurisdiction of the Board.

### **Minutes**

The Chair shall cause to be recorded in the minutes, the date, time and place of each meeting of the Board, the names of members present, all official acts of the Board, the motions and seconds, the votes given by Board members, except where the action is unanimous, and when requested, a member's dissent or approval with reasons, and shall cause the minutes to be written up and presented for approval at the next regular meeting. The minutes shall be submitted by the Plan Administrator and approved and signed by the Chair and Secretary, and shall form part of the permanent records of the Board.

### **Disability Retirement Hearings**

Disability retirement hearings shall be scheduled and conducted as provided by the Board's Disability Retirement Handbook.

### **Confidentiality**

No Board member or staff shall publicly disclose any information received and discussed in a closed session, unless the information is authorized to be disclosed by law or by action of the Board. Disclosure by a Board member or staff, either directly or indirectly, of any confidential information obtained in closed session shall be subject to, among other available remedies, disciplinary action or referral to a grand jury.

### **Meeting Agendas**

Items may be set on meeting agendas as follows:

- By the Plan Administrator with approval from the Chair and or Vice Chair.
- A Trustee, during a Board meeting when the regular agenda item of "Trustee Information" is addressed, may direct the Plan Administrator to place an item on a future agenda.
- Outside a Board meeting, a member of the public, consultant, or member of the Board may forward items to the Plan Administrator for possible inclusion on an agenda.
- Members of the public may appear at any open session of a Board meeting and during the "Public Comment" portion of the meeting request that an item be placed on a future agenda and that item may be included on the Agenda.

### **Committees**

The Investment Committee and the Crisis Response Committees are permanent sub-committees. The Officers of the Board will operate as the Crisis Response Committee which will be the Chair, Vice Chair and Secretary. For all other committees, Board Members may be appointed by the Chair to committees of the Board as needed. These committees may be ad hoc in nature.

### **Travel**

Board members and staff shall follow the County's travel policy for travel except for the following; Board and staff of MercedCERA shall receive reimbursement for actual, reasonable, and necessary travel expenses. Reasonable expenses may include airfare (must

be refundable airfare as MercedCERA will not hold, pay for or reimburse for vouchers or coupons of canceled flights), train fare, mileage (IRS approved or Merced County approved rates), ferry, toll, parking, shuttle, taxi service (including tip), ride services such as Uber or Lyft (including tips), hotel lodging, meals including tips, necessary business calls or use of business centers for Association business, tips for portage and other expenses which are incurred for MercedCERA travel. The traveler should present receipts for all items which are easily obtainable (such as lodging and meals), but may also claim amounts for such expenses as bridge toll, taxi service, or tips for portage for which receipts are not generally given. MercedCERA will not pay or reimburse for any costs of alcohol or any costs incurred by spouses, family members, or friends accompanying the staff, Trustee, or potential candidate unless explicitly approved by the Board of Retirement. If receipts are not presented, then MercedCERA will pay the County's per diem costs.

Board Members and staff may have to travel on Board business which may not be defined under the procedures of the Merced County Travel Policy. If certain aspects of the travel do not fall within the County's policy (followed for ease), the Plan Administrator may approve the travel cost or may place an agenda item for the Board's consideration of that travel cost.

If eligible Board Members travel as a result of subcommittee business, the Trustee may be eligible for the MercedCERA Meeting stipend as prescribed in the CERL in addition to travel reimbursement.

The Board may also bring potential candidates to meet the Board during the recruitment process for positions of the Plan Administrator or Chief Investment Officer. Reimbursement of actual expenses of those candidates will be subject to the approval of the Plan Administrator, or in the absence of a Plan Administrator, the Board.

### **Membership**

Membership in the Association shall be as defined by the CERL and by the California Public Employees' Pension Reform Act of 2013 (PEPRA).

### **Mandatory Membership**

Any employee of the County of Merced, Merced County Superior Court, or of any special district included in the Association, who is eligible for membership, shall be considered to be a member on the first day of employment (as adopted by Board Resolution 98-02 in 1998). Newly hired employees who have attained the age of 60 and elected officials have the option of waiving membership. Employees hired prior to 1998 became members on the first day of the next payroll period following appointment to a full time permanent position. For members with incoming reciprocity, the Association may delay the effective start date of a member up to 12 weeks after the date of employment or may terminate credited service with the Association no earlier than 12 weeks prior to the member's termination from employment for the purpose of establishing reciprocity with another public retirement system as described in the CERL.

### **Exempt**

The following classifications shall be exempt from membership in this Association:

- a) Extra Help

- b) Seasonal Employee
- c) Intermittent Employee
- d) Part Time Employees
- e) Student Intern/Assistant

### **Association's Normal Retirement Age and Employment Regulations**

The Board has adopted a policy defining normal retirement age as 50 for safety members and as age 60 for general members. The resolutions also require that a bona fide separation from service must occur before any retired member, who is younger than normal retirement age, can be employed as a retiree by an Association's employer. These regulations do not apply to safety members 50 years or older or a retiring general member, 60 years or older.

### **Evidence of Birth**

Members are required to submit a copy of their birth certificate to the Plan Administrator before the Association issues a benefit payment. If a birth certificate is not available because such a record does not exist, then a member may submit one of the following: infant baptismal certificate, hospital birth record, current valid passport or valid passport card. If those records are not available, then the member may submit any two (different) of the following: a notarized affidavit by an older member of the family, a certificate of military service, a marriage certificate if age is shown on the certificate, a naturalization certificate issued by the United States government, a child's birth certificate if the age of the member is shown on the certificate, or a current California Real ID. A member's failure to comply with this requirement shall give the Board the discretion to determine the rate of contribution.

In the event of a discrepancy of age, the latest birth date shall prevail. The evidence of birth shall be submitted to the Plan Administrator. If the evidence does not meet the criteria above or is not acceptable to the Plan Administrator, a request may be submitted to the Board to determine which evidence of birth shall be accepted. Any member contribution shortfall that may arise from the difference in age, shall be paid by the member to the Association, prior to retirement.

### **Evidence of Beneficiary**

At the time of applying for a retirement benefit, the member shall provide evidence of marriage or Domestic Partner Registration if the designated beneficiary is a spouse or domestic partner. Evidence of birth as described above, shall be submitted for beneficiaries.

### **Election of Benefits**

Prior to the first warrant being issued to a member for a retirement allowance, such member shall be furnished with a statement indicating the amount of his or her retirement allowance, calculated in accordance with the unmodified and various optional modes of settlement. Such statement shall provide for the signature of the member, indicating the choice as to type of allowance selected and, when signed by the Plan Administrator or any other authorized retirement staff, shall constitute the annuity certificate provided for in Government Section Code 31760.

After the initial retirement payment is processed for payment (estimated 5 business days prior to actual receipt of payment by member) no changes shall be made to the option selected by

the member. No changes shall be made to the beneficiary named by the member unless Option 1 (return of employee contributions) was selected.

Reciprocal members who are granted a disability retirement may be subject to an offset of their retirement allowance, in accordance with Government Code section 31838.5.

### **Member Contributions**

Member contribution rates for Tiers 1, 2 and 3 shall be based on compensation earnable and member age at entry into the Association and shall be deducted only for the pay periods during which service for compensation is rendered. Contributions for Tier 4 members shall be a flat rate based on plan type, safety or general.

### **Refund of Contributions**

- a) A member terminating membership and employment from the Association employer may receive a refund of contributions, including interest last credited, if any. The date of termination is the date the employee last received compensation on payroll. A request for a refund shall be made in writing and the Plan Administrator may make payment in whole, or in part withheld, for a period not to exceed six months after date of separation.
- b) A deferred member may receive a refund of contributions if not classified as an outgoing reciprocal member; an outgoing reciprocal member may receive a refund upon receipt of confirmation in writing from the reciprocal system that the member has terminated employment.
- c) At the Board meetings preceding June 30<sup>th</sup> and December 31<sup>st</sup> of each year, the Board will declare the rate of interest which shall be credited to the members' and employers' accounts prospectively in accordance with the Board's Interest Crediting Policy as provided in the CERL.

### **Redeposits**

After a refund of contributions, if, prior to filing an application for retirement, a member fails to redeposit, or communicate in writing to the Association, an intent to redeposit, the member forfeits credit for past service and the rate of contribution is then based on the member's age at the time of reentry into the Association.

An eligible member who wishes to redeposit the amount previously withdrawn plus interest may do so upon application to the Association. Under Government Code section 31831.3, the redeposit of contributions for service credit from a previous employment within a different benefit tier allows the member reentry into that former tier. If no request is made regarding a specific duration for repayment or if redeposit is not made in cash, the redeposit shall be made by means of increased contributions plus interest (see Board's Policy on Interest Crediting) until such redeposit has been completed, provided that this period shall not extend beyond five years after the date of reentrance into the Association. If a member terminates employment during a service purchase or redeposit, the remainder of payments must be made in a lump sum or service and contributions made toward the purchase or redeposit will be refunded.

### **Acceptance of Plan to Plan Transfers and Rollovers**

For County of Merced and District 457(b) Plans, to the extent authorized by both federal and state law and the Merced County Board of Supervisors or the District Board of Directors, the Association shall accept plan to plan fund transfers and accept direct rollover funds from eligible 457(b) plans of the County of Merced and Districts to satisfy all or part of the payment of contributions for the limited purposes of redepositing withdrawn contributions and purchasing extra help or permanent time in a non-covered position, time as an elective officer with break in service, military service, and sick leave without pay. The amount transferred or rolled over shall not exceed the amount required for the applicable purpose. Further, all transfers must be timely made in the form and manner established by the Plan Administrator. No transfer or rollover shall be accepted if, or to the extent, that it does not comply with federal and state tax laws.

### **True Up of Plan to Plan Transfers and Direct Rollovers**

Effective on adoption of these bylaws, the Association will apply applicable interest on plan to plan transfers and direct rollovers based upon the date in which the funds were effectively received by the Association and the agreed upon date of transfer or rollover in the member's purchase agreement. If the member does not pay the amount owed for the applicable purpose by the date required on the redeposit agreement, the Plan Administrator shall, as soon as reasonably possible, inform the member of the additional amount owed to complete the redeposit agreement. The member will have 30 days to pay the additional amount owed by personal check or cashier's check. If the deposit for the additional amount is not received by the Association within 30 working days after the date that the Plan Administrator notifies the member of the additional amount owed, then all of the transferred or rolled over funds will be returned to the qualified 457(b) or 457 plan and the purchase will be voided and treated as never having occurred. However, personal check or cashier's check shall be accepted if, or to the extent, that it does not comply with federal tax law. If the member pays more than the amount owed for the applicable purpose by the date required by the redeposit or purchase agreement, the Association will return the excess amount immediately and directly to the transferring 457 plan.

### **Correction of Errors or Omissions**

Pursuant to Government Code section 31539, and for the purpose of payments into or out of the retirement fund for adjustments of errors or omissions:

- a) No action may be commenced by or against the Board or the Association more than ten (10) years after all obligations to or on behalf of the member, former member, beneficiary, or annuity beneficiary have been discharged.
- b) If the Association makes an error that results in incorrect payment to a member, former member, beneficiary, or annuity beneficiary, the Association's right to commence recovery shall expire ten (10) years from the date the incorrect payment was made or the error was discovered, whichever is later.
- c) If an incorrect payment is made due to lack of information or inaccurate information regarding the eligibility of a member, former member, beneficiary, or annuity beneficiary to receive benefits, the period of limitation shall commence with the discovery of the incorrect payment.
- d) Notwithstanding any other provision of this section, if an incorrect payment

has been made on the basis of fraud or intentional misrepresentation by a member, beneficiary, annuity beneficiary, or other party in relation to or on behalf of a member, beneficiary, or annuity beneficiary, then the Board may commence an action up to 10 years from the date of the payment or upon discovery of the facts, fraud, or intentional misrepresentation, whichever is later.

- e) For overpayments less than \$100, the Plan Administrator shall make a request for payment, but if no payment is made, the Plan Administrator may write off the account.
- f) If the member is receiving an ongoing benefit and the Association, or employer error caused an overpayment in a benefit, then the Association may collect from the member's ongoing benefit, until the overpayment is discharged.
- g) If the member is not receiving an ongoing benefit and has received an overpayment in a lump sum benefit of up to \$25,000, then the Plan Administrator shall have authority pursuant to these bylaws to take action to recover the overpayment. If the member is not receiving an ongoing benefit and has received an overpayment in a lump sum benefit of more than \$25,000, then the Plan Administrator will pursue collection efforts after consultation with the Board.

#### **Corrections to Employee Contributions**

- a) The amount of any underpayment of employee contributions must be made to the Association prior to retirement through the employer's payroll system unless the Plan Administrator determines that the underpayment is de minimis and cost of collection would exceed the benefit of recovery. If the underpayment of employee contributions is discovered at or after termination of service, the amount of the underpayment will be deducted from the member's monthly benefit payment.
- b) In accordance with Title 26 of the U.S. Code, overpayment of employee contributions made on a pretax basis will be returned to the employee by the Association on separation from service with all employers that contribute to the Association or after the employee reaches normal retirement age. Prior to that time, the employer may correct the overpayment through its payroll system and the Association will credit the employer with the amount of the correction.
- c) In the collecting, withdrawing, redepositing, and returning of employee contributions, whether for mandatory or permissive employee contributions, the Association will act as an agent for the member's employer in arranging for the collection of employee contributions (and redeposits) that are made through the employer's payroll system.

#### **IRS Minimum Distribution Requirements**

IRS Regulation 401(a)9 requires MercedCERA to reduce a beneficiary's monthly benefit if the beneficiary is a non-spouse beneficiary who is ten (10) or more years younger than the member.

### **Appeals and Review of Benefit Calculations**

Requests for the review or change of pension benefits for which any member feels have been made in error by the Association shall be addressed in writing to the Plan Administrator within 90 days of the member's first monthly benefit payment. The Plan Administrator will review and provide a written response to the member on the calculations in question. The Plan Administrator has the authority to verify the calculations by the Association's actuary.

If the member disputes the Plan Administrator's review and outcome of the calculations, the member may request the Board to review the matter. The Board will review the matter at a regularly scheduled Board meeting in open session. The member may attend the Board meeting, and the Board, may invite the member to briefly address the issue, prior to its decision on the matter.

A decision by the Board is final. The Board will direct its Counsel to prepare a written decision to the member.

Judicial review of final Board of Retirement decisions shall be subject to Code of Civil Procedure section 1094.6, as provided by these bylaws. Following final decision on disputed matters, the Plan Administrator shall send to the member written notice as follows: "Pursuant to the Retirement Board's bylaws, action to seek judicial review of this decision is governed by the provisions of Section 1094.6 of the Code of Civil Procedure of the State of California. You are advised that any such petition must be filed no later than the ninetieth (90th) day following the date a decision becomes final."

### **Current Service**

Credit shall be given for each hour of service rendered for compensation after July 1, 1950, for which a contribution is made by the employee to the Association unless the member qualifies for a thirty (30) year exemption.

When computing service, such service shall be calculated by hours. No member shall be credited with more than 2,080 hours of service in any one year, unless there is a 27<sup>th</sup> pay period making the total hours 2160 hours in any one year.

A member may purchase and receive retirement service credit for any Association employer service that is rendered prior to becoming a member for which contributions were not made. Under certain conditions, military and medical leave without pay may also be purchased.

A member may pay for service credit purchases by a lump sum rollover of eligible funds or through payroll deductions. A purchase made through payroll deductions which is not completed in full requires Board approval to receive partial retirement service credit.

### **Compensation Earnable**

The Board will determine whether compensation qualifies as "Compensation Earnable" at such time that additional items of compensation are made known to the Board. Additionally, in the event an Association employer alters the manner in which compensation is paid, the Board will consider whether the altered benefit continues to meet the definition of

“Compensation Earnable” or “Pensionable Compensation”.

Pursuant to the CERL and PEPRA, the “Compensation Earnable” or “Pensionable Compensation“ of a member shall include only those items indicated by their title and pay code for which a retirement contribution is calculated and as listed in the pay code schedule maintained by the Auditor and as periodically amended, entitled, “Merced County Human Resources Department, Personnel Table, Attendance Special Pay” and as approved by Resolution of the Board.

For the purpose of calculating a final average compensation, it will be calculated based on 26 consecutive biweekly pay periods for Tier 1 members and 78 consecutive biweekly periods for Tier 2, 3 and 4 members.

**Additional Contributions**

No additional contributions in excess of those provided in the CERL or PEPRA can be made by any member of the Association.

**Amendments of Bylaws**

The Board may amend these bylaws at any regular Board meeting by an affirmative vote of at least five (5) Board members, and amendments shall become effective immediately following approval by the Merced County Board of Supervisors. Bylaws should be reviewed minimally every three years for amendments and or changes.

**Repeals**

All former bylaws, regulations and resolutions of policy inconsistent with these regulations are hereby repealed.

The foregoing bylaws were adopted by the Merced County Employees’ Retirement Association Board upon motion.

Approved by Board of Supervisors February 28, 2006

Approved by Board of Supervisors October 16, 2007

Approved by Board of Supervisors May 12, 2009

Approved by Board of Supervisors, September 28, 2010

Approved by Board of Supervisors, February 25, 2014

Approved by Board of Supervisors, November 8, 2016

Approved by Board of Supervisors, January 9, 2018

Approved by Board of Supervisors, (DATE)

## **Appendix A**

### **Pre-approved travel for all Trustees and Staff:**

- Committee meetings and/or Plan Administrator or Chief Investment Officer meetings of the organizations named below of which the Board and/or staff member has been appointed
- State Association of County Retirement Systems (SACRS) regular meetings
- National Conference on Public Employee Retirement Systems (NCPERS) annual conference, annual safety conference and annual legislative workshop
- CALAPRS sponsored meetings
- National Association of State Retirement Administrators (NASRA) conferences
- SACRS sponsored meetings
- Global Financial Markets Institute programs
- CSAC California State Association of Counties
- Institute of Fiduciary Education conferences
- International Institute for Research annual Public Funds conference
- Pension and Investments conferences
- Pacific Pension Institute conferences
- Institutional Investor forums
- Council of Institutional Investors conferences
- Opal Financial Group conferences
- CRCEA California Retired County Employees' Association
- The Pension Bridge conferences
- Conferences sponsored by the Board of Retirement's retained consultants, investment managers, and pension software vendor
- Public Pension Financial Forum (P2F2) annual conference
- Government Finance Officers Association (GFOA) conference and trainings
- Institutional Limited Partners Association (ILPA) conference
- Chartered Financial Analyst (CFA) trainings
- Chartered Alternative Investment Analyst (CAIA) conference and Prism training
- Education hosted by other 1937 Act Pension Systems, CalPERS or CalSTRS
- GIOA Conferences



Merced County Employees' Retirement Association

**DATE:** November 10, 2022

**TO:** MercedCERA Board of Retirement

**FROM:** Kristie Santos, Plan Administrator

**SUBJECT:** Virtual Attendance by the Trustees of the MercedCERA Meetings

**ITEM NUMBER:** 4

**ITEM TYPE:** Info Only

**DISCUSSION:**

Nossaman sent out a very clear and well written article outlining the background and next steps that Boards and Trustees must take moving forward in regard to COVID-19 and virtual attendance of meetings.

On September 16, 2021, Governor Newsom signed Assembly Bill 361 (2021-2022) (AB 361), which incorporated into California state law some aspects of the teleconferencing rules that had applied by Executive Order to local public agencies during the COVID-19 pandemic. However, AB 361 provides that it sunsets on January 1, 2024.

Some of the benefits of operating under AB 361 during the COVID-19 pandemic, as opposed to under the normal open meeting laws, included the following:

- Agendas did not need to be posted at all teleconference locations;
- Each teleconference location did not need to be identified in the notice and agenda of the meeting;
- Each teleconference location did not need to be accessible to the public; and
- A quorum of the members of the legislative body did not need to participate in the meeting from locations within the boundaries of the territory over which the public agency exercises jurisdiction.

If the COVID-19 State of Emergency in fact ends on February 28, 2023, AB 361 may only continue to be invoked if:

- State or local officials have imposed or recommended measures to promote social distancing; and
- The Legislative Body has continuously made the 30-day renewal findings and continues to do so going forward.

Meanwhile, Governor Newsom signed Assembly Bill 2449 (2021-2022) (AB 2449) on September 16, 2022, and it amends the Brown Act further, effective from January 1, 2023 through the end of 2025. As of that date, its special teleconferencing rules are also repealed.

AB 2449 authorizes local public agencies to use teleconferencing under more rigorous requirements than under AB 361, but the rules are still more relaxed than prior to the COVID-19 pandemic. For example, under AB 2449, members of a public agency board may continue to use teleconferencing without complying with the requirements that: (1) the agency notice each teleconference location of each member who will be participating in the meeting; (2) each teleconference location be accessible to the public; and (3) members of the public be allowed to address the board at each teleconference location.

However, to use the AB 2449 teleconferencing rules, at least a quorum of the board members must be present together physically within the jurisdiction of the board. Also, a board member may teleconference only if there is “just cause” or an “emergency circumstance,” both of which are defined by law and outlined below. Further, unlike with “just cause,” the board must by majority vote affirm that an “emergency circumstance” situation does exist.

AB 2449 defines “**just cause**” as restricted to the following:

- A childcare or caregiving need of a child, parent, grandparent, grandchild, sibling, spouse or domestic partner that requires them to participate remotely;
- A contagious illness that prevents a member from attending in person;
- A need related to a physical or mental disability, as defined; or
- Travel while on official business of the board’s agency or another state or local agency.

In addition to meeting the statutorily required criteria, a board member who intends to participate via teleconference must notify the legislative body at the earliest opportunity possible, including at the start of a regular meeting, of the need to participate remotely for just cause and provide a general description of the circumstances relating to their need to appear remotely at the given meeting. AB 2449 prohibits a board member from participating via teleconference for “just cause” for more than two meetings in a calendar year.

AB 2449 defines an “**emergency circumstance**” as “a physical or family medical emergency that prevents a member from attending in person.” To invoke the “emergency circumstance” situation, the following procedural requirements must also be satisfied:

1. “The member requests the legislative body to allow them to participate in the meeting remotely due to emergency circumstances and the legislative body takes action to approve the request. The legislative body shall request a general description of the circumstances relating to their need to appear remotely at the

given meeting. A general description of an item generally need not exceed 20 words and shall not require the member to disclose any medical diagnosis or disability or any personal medical information that is already exempt under existing law . . . .”

2. A member shall make a request to participate remotely at a meeting pursuant to this clause as soon as possible. The member shall make a separate request for each meeting in which they seek to participate remotely.
3. The board must take action on a request to participate remotely at the earliest opportunity. If the request does not allow sufficient time to place the proposed action to such a request on the posted agenda for the meeting for which the request is made, the board may take action at the beginning of the meeting.

In addition, two other conditions apply under AB 2449 if a board member is permitted to teleconference for either “just cause” or “emergency circumstances”:

1. “The member shall publicly disclose at the meeting before any action is taken whether any other individuals 18 years of age or older are present in the room at the remote location with the member and the general nature of the member’s relationship with any such individuals.”
2. “The member shall participate **through both audio and visual technology.**” That is, a board member who attends by teleconference must be both audible and visible to those attending.

Further, AB 2449 does not permit its teleconferencing rules to be invoked by any board member for more than three consecutive months or 20 percent of the regular meetings of the board within a calendar year if the board meets at least 10 times per calendar year (in addition to the limitation on “just cause” exceptions invoked by a board member to no more than two meetings per calendar year).

Finally, to invoke AB 2449 teleconferencing rules, the agency must:

1. Provide at least one of the following means by which the public may remotely hear and visually observe the meeting and remotely address the board:
  - A two-way audiovisual platform
  - A two-way telephonic service and a live webcasting of the meeting;
2. In the agenda, identify how to provide public comment and identify and include an opportunity for all persons to attend and address the board directly “via a call-in option, via an internet-based service option and at the in-person location of the meeting”;
3. Pause the meeting when there is a teleconference disruption; and
4. Implement a procedure for receiving and swiftly resolving requests for reasonable accommodations for individuals with disabilities and provide notice of this procedure in notifications and agendas for the meeting.

As stated, the State of Emergency due to the COVID-19 pandemic is scheduled to end on February 28, 2023. This will significantly impact the ability for boards to continue to meet under the authorization and procedures established by AB 361 before it sunsets at the end of 2023. As such, public agencies should prepare to return to the boardroom and also evaluate their ability to comply with the new AB 2449 requirements should a board member need to participate via teleconference because there is “just cause” or an “emergency circumstance.”

MercedCERA will have a standing agenda item where any Trustee can request either “just cause” or an “emergency circumstance” to attend virtually. As specified by law, Trustees must be unmuted and their camera turned on to participate. If possible, please make your request in writing to the Plan Administrator prior to the meeting for tracking purposes, as “just cause” can only be used twice per calendar year and “emergency circumstances” only three consecutive months or 20% of MercedCERA Meetings.

**Merced County Employees'  
Retirement Association**

**November 10, 2022**

**September Performance**

- 1. Economic and Market Update as of September 30, 2022**
- 2. Q3 Executive Summary**
- 3. Q3 Performance Report**
- 4. Disclaimer, Glossary, and Notes**

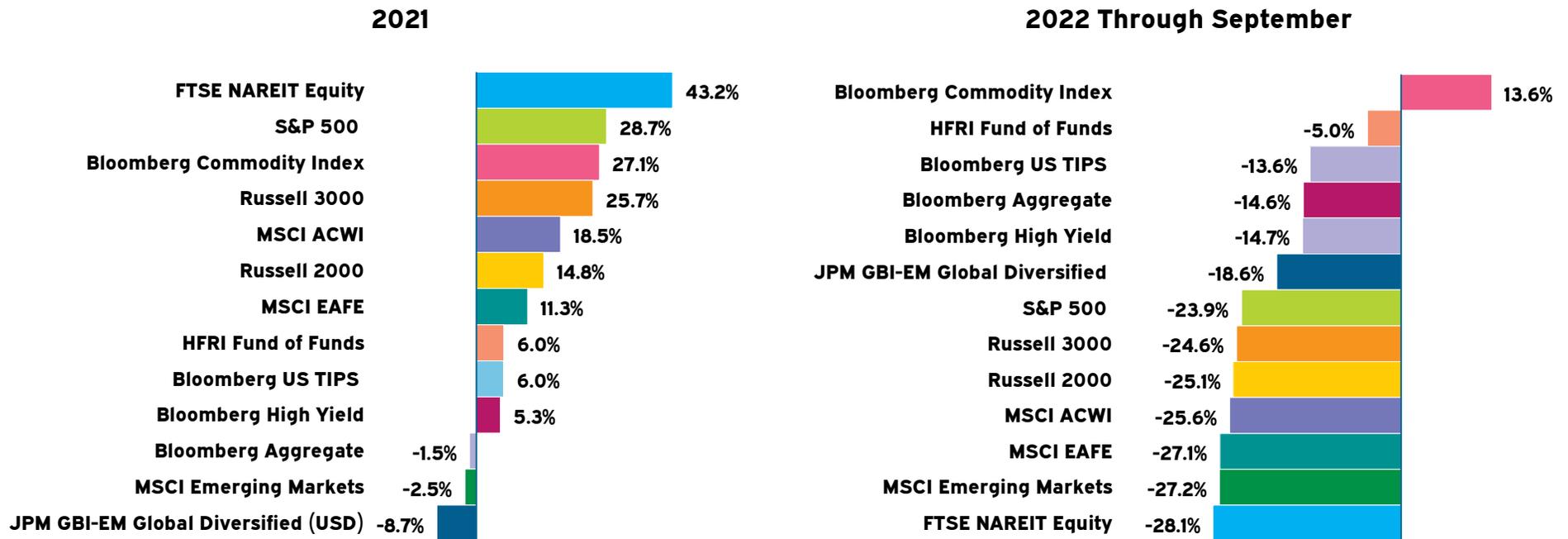
# **Economic and Market Update**

## Data as of September 30, 2022

## Commentary

- After a strong July, global markets sold off in August and September, leading to quarterly declines as slower growth and higher inflation weighed on sentiment.
- The Federal Reserve maintained its aggressive tightening campaign with future hikes expected as US inflation continues to surprise to the upside and labor markets remain tight.
  - In Europe, inflation hit a multi-decade high on energy prices. In the UK, Liz Truss became the new prime minister with her government quickly announcing a fiscal package in September. The proposal was poorly received by markets, as it undermined efforts of the central bank to lower inflation.
  - Equity markets significantly declined for the month leading to quarterly losses with international markets declining the most. The war in Ukraine has elevated prices in Europe, while tight COVID-19 policies, slowing growth, and property market issues have weighed on China. Continued US dollar strength has been a further headwind.
  - For the quarter, in a reversal of the prior trend, growth outpaced value across the capitalization spectrum but continued to trail year-to-date.
  - Interest rates rose significantly across the US yield curve for the month and quarter with the curve remaining inverted (ten-year yield minus the two-year yield) by 44 basis points. This is by far the worst start to a calendar year for bond investors.
- Persistently high inflation and the likely increased pace of the policy response, the war in Ukraine, lingering COVID-19 issues, and lockdowns in China will all have considerable consequences for the global economy.

### Index Returns<sup>1</sup>



→ Except for emerging markets and the broad US investment grade bond market (Bloomberg Aggregate), most asset classes appreciated in 2021.

→ After a brief rally in July most asset classes declined significantly in August and September as it became clear further policy tightening would be taken to try to control inflation. Except for commodities, all major assets classes have experienced significant declines year-to-date.

<sup>1</sup> Source: Bloomberg and FactSet. Data is as of September 30, 2022.

### Domestic Equity Returns<sup>1</sup>

Domestic Equity	September (%)	Q3 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
S&P 500	-9.2	-4.9	-23.9	-15.5	8.2	9.2	11.7
Russell 3000	-9.3	-4.5	-24.6	-17.6	7.7	8.6	11.4
Russell 1000	-9.3	-4.6	-24.6	-17.2	7.9	9.0	11.6
Russell 1000 Growth	-9.7	-3.6	-30.7	-22.6	10.7	12.2	13.7
Russell 1000 Value	-8.8	-5.6	-17.8	-11.4	4.4	5.3	9.2
Russell MidCap	-9.3	-3.4	-24.3	-19.4	5.2	6.5	10.3
Russell MidCap Growth	-8.5	-0.7	-31.5	-29.5	4.3	7.6	10.8
Russell MidCap Value	-9.7	-4.9	-20.4	-13.6	4.5	4.7	9.4
Russell 2000	-9.6	-2.2	-25.1	-23.5	4.3	3.6	8.5
Russell 2000 Growth	-9.0	0.2	-29.3	-29.3	2.9	3.6	8.8
Russell 2000 Value	-10.2	-4.6	-21.1	-17.7	4.7	2.9	7.9

#### US Equities: Russell 3000 Index fell 9.3% for September and 4.5% for the quarter.

- US stocks fell sharply during September and finished down for the third quarter.
- Each of the 11 sectors declined in September with six sectors (Real Estate, Communication Services, Technology, Utilities, Materials, and Industrials) falling by 10% or more. Health Care stocks fared best and declined 3.1%. For the quarter all sectors were down except for consumer discretionary and energy.
- For the second straight month, value stocks outperformed growth stocks in the large cap segment of the market, while the reverse was true in the small cap segment. The underperformance of technology stocks, which account for 43% of the large cap growth market, drove this dynamic.

<sup>1</sup> Source: Bloomberg. Data is as of September 30, 2022.

### Foreign Equity Returns<sup>1</sup>

Foreign Equity	September (%)	Q3 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)
MSCI ACWI ex. US	-10.0	-9.9	-26.5	-25.2	-1.5	-0.8	3.0
MSCI EAFE	-9.4	-9.4	-27.1	-25.1	-1.8	-0.8	3.7
MSCI EAFE (Local Currency)	-6.2	-3.6	-14.5	-11.1	2.5	2.8	7.4
MSCI EAFE Small Cap	-11.5	-9.8	-32.1	-32.1	-2.2	-1.8	5.3
MSCI Emerging Markets	-11.7	-11.6	-27.2	-28.1	-2.1	-1.8	1.0
MSCI Emerging Markets (Local Currency)	-9.4	-8.2	-20.8	-21.5	1.1	1.1	4.5
MSCI China	-14.6	-22.5	-31.2	-35.4	-7.2	-5.5	2.4

International equities (MSCI EAFE) fell 9.4%, while emerging markets (MSCI EM) returned -11.7% in September leading to quarterly declines of similar amounts.

- Non-US developed market stocks again broadly trailed the US for the month, leading to the steepest declines year-to-date. High inflation in Europe, particularly related to gas and electricity, the ongoing war in Ukraine, and relatively slower growth globally continue to weigh on sentiment.
- Emerging market equities were deep in the red for the month, driven by China’s (-14.6%) on-going property market issues and strict COVID-19 policies. The upcoming National Communist Party Congress in China in October is highly anticipated.
- The strength of the US dollar continued as a headwind to international equities for the month and year-to-date, both in developed and emerging markets.

<sup>1</sup> Source: Bloomberg. Data is as of September 30, 2022.

### Fixed Income Returns<sup>1</sup>

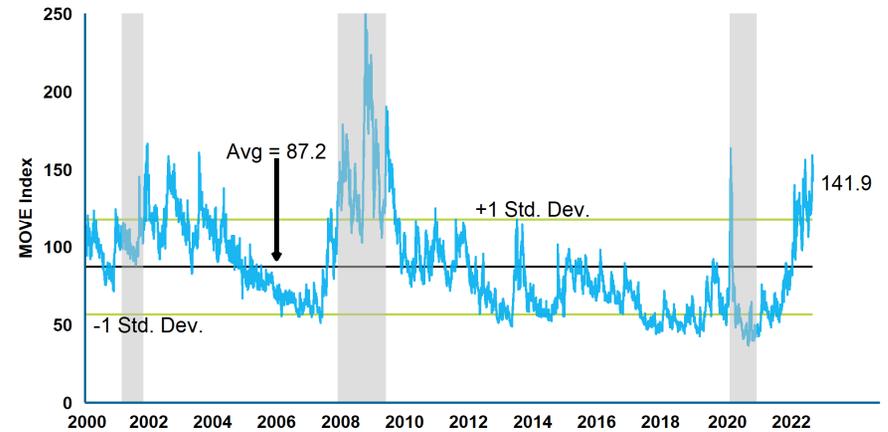
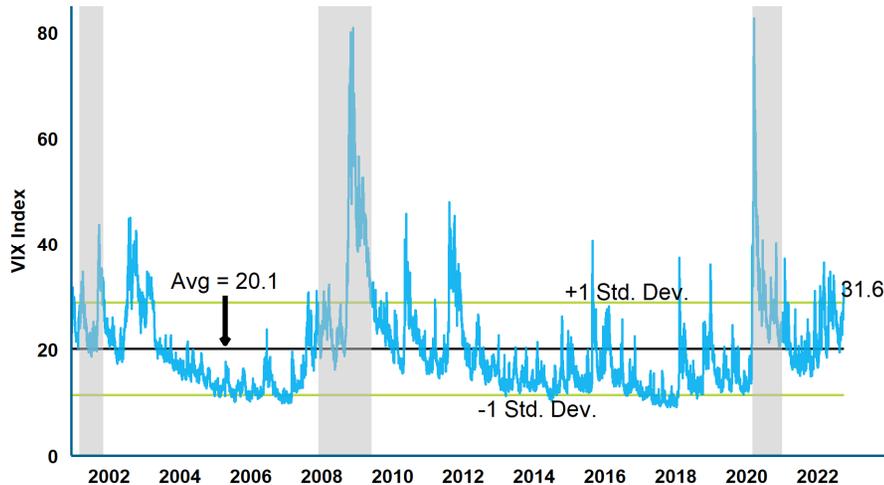
Fixed Income	September (%)	Q3 (%)	YTD (%)	1 YR (%)	3 YR (%)	5 YR (%)	10 YR (%)	Current Yield (%)	Duration (Years)
Bloomberg Universal	-4.3	-4.5	-14.9	-14.9	-3.1	-0.2	1.2	5.2	6.2
Bloomberg Aggregate	-4.3	-4.8	-14.6	-14.6	-3.3	-0.3	0.9	4.8	6.4
Bloomberg US TIPS	-6.6	-5.1	-13.6	-11.6	0.8	1.9	1.0	4.3	6.9
Bloomberg High Yield	-4.0	-0.6	-14.7	-14.1	-0.5	1.6	3.9	9.7	4.6
JPM GBI-EM Global Diversified (USD)	-4.9	-4.7	-18.6	-20.6	-7.1	-3.9	-2.4	7.6	4.8

#### Fixed Income: The Bloomberg Universal declined 4.3% in September and 4.5% for the quarter.

- A sharp rise in bond yields driven by central banks confirming commitments to fight inflation weighed on fixed income in September leading to declines for the quarter as well. Year-to-date the US bond market is off by far to its worst calendar year start on record.
- TIPS declined the most for the month and quarter as investors' confidence grew that tighter monetary policy would ultimately get inflation under control.
- Riskier US bonds declined the least with the high yield index falling slightly less than the broad US bond market (-4.0% versus -4.3%). Emerging market bonds finished down close to 5% for the month with significant declines year-to-date.

<sup>1</sup> Source: Bloomberg. JPM GBI-EM is from InvestorForce. Data is as of September 30, 2022.

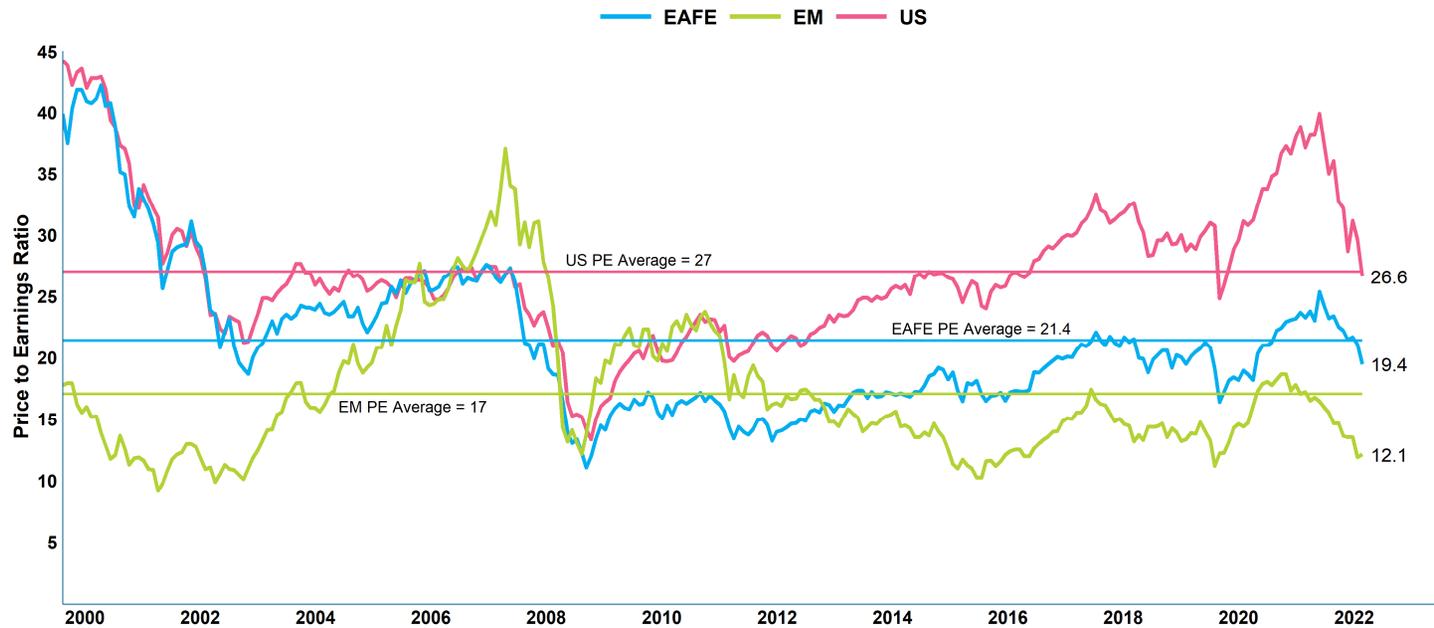
**Equity and Fixed Income Volatility<sup>1</sup>**



- Volatility in equities (VIX) and fixed income (MOVE) rose in September and finished higher overall for the quarter as the Federal Reserve and other central banks made it clear that they were committed to aggressively tightening monetary policy to fight high inflation.
- Fixed income volatility remains particularly high due to the uncertain path of short-term interest rates given stubbornly high inflation. Issues related to the UK’s announcement to offer tax breaks despite the central bank’s efforts to fight inflation also contributed to volatility in fixed income markets.

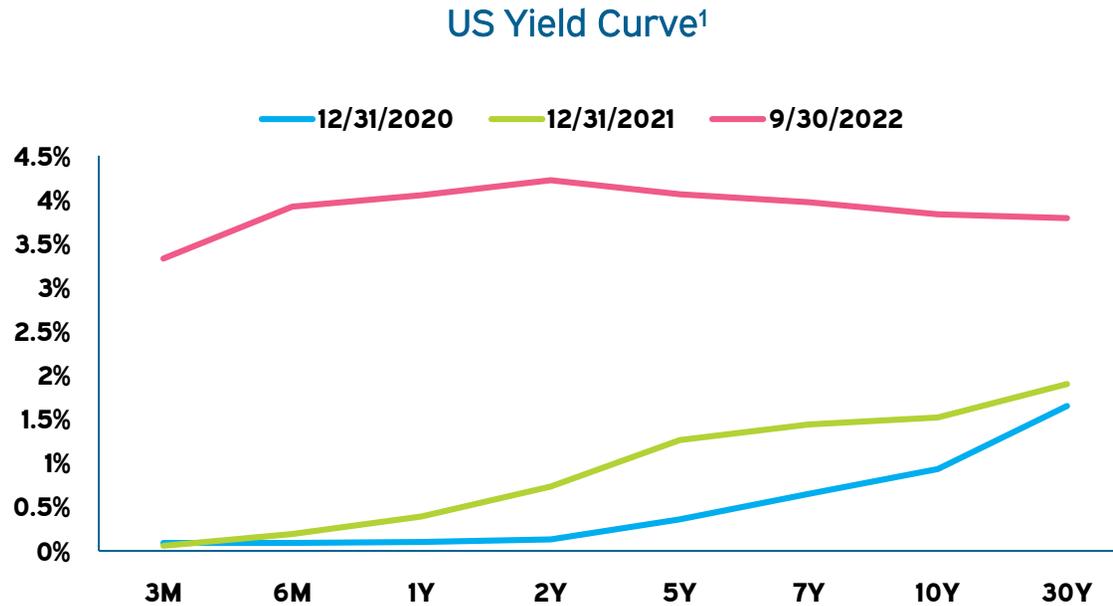
<sup>1</sup> Equity and Fixed Income Volatility – Source: Bloomberg. Implied volatility as measured using VIX Index for equity markets and the MOVE Index to measure interest rate volatility for fixed income markets. Data is as of September 2022. The average line indicated is the average of the VIX and MOVE values between January 2000 and the recent month-end respectively.

**Equity Cyclically Adjusted P/E Ratios<sup>1</sup>**



- September price declines brought US equity price-to-earnings ratios slightly below the long-term (21<sup>st</sup> Century) average.
- International developed market valuations remain below the US and are below their own long-term average, with those for emerging markets the lowest and well under the long-term average.

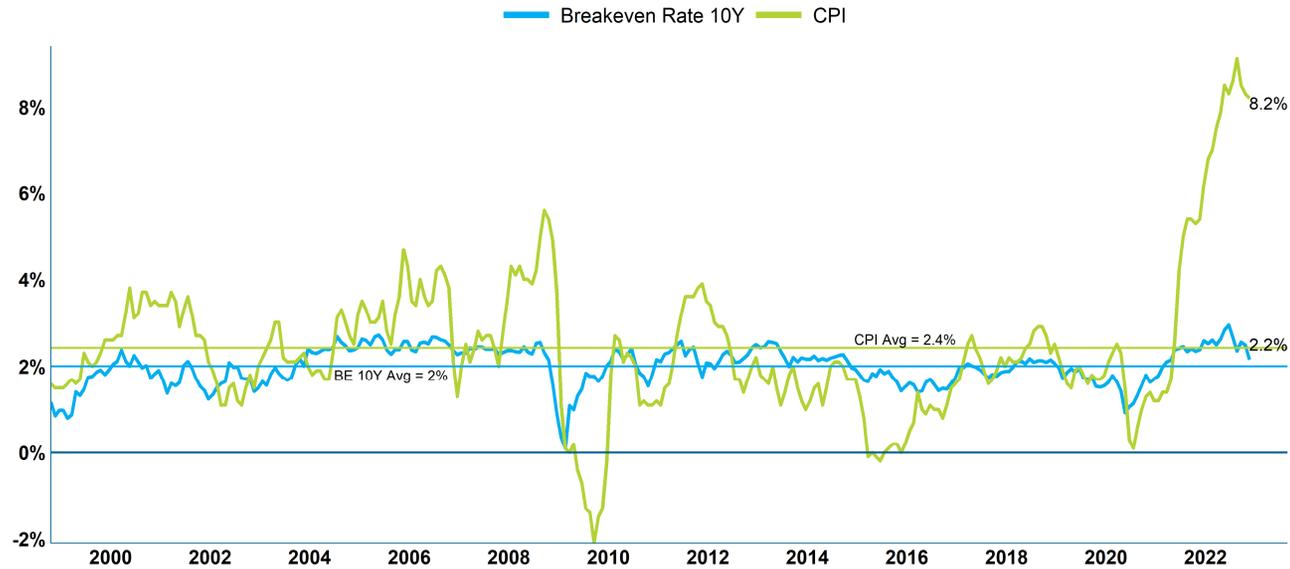
<sup>1</sup> US Equity Cyclically Adjusted P/E on S&P 500 Index. Source: Robert Shiller, Yale University, and Meketa Investment Group. Developed and Emerging Market Equity (MSCI EAFE and EM Index) Cyclically Adjusted P/E – Source: MSCI and Bloomberg. Earnings figures represent the average of monthly “as reported” earnings over the previous ten years. Data is as of September 30, 2022. The average line is the long-term average of the US, EM, and EAFE PE values from December 1999 to the recent month-end respectively.



- Rates across the yield curve remain far higher than at the start of the year.
- In September, rates rose across the yield curve, finishing the quarter significantly higher. Yields on two-year Treasuries increased 0.79% just in the month of September bring the quarterly increase to 1.32%, while ten-year Treasuries rose 0.64% for the month and 0.82% for the quarter.
- The Fed remains strongly committed to fighting inflation, as it increased rates another 75 basis points to a range of 3.0% and 3.25%. This was the fifth increase this year and the third consecutive increase of this amount.
- The yield spread between two-year and ten-year Treasuries remained negative, finishing September at -0.44%. Inversions in the yield curve have historically often preceded recessions.

<sup>1</sup> Source: Bloomberg. Data is as of September 30, 2022.

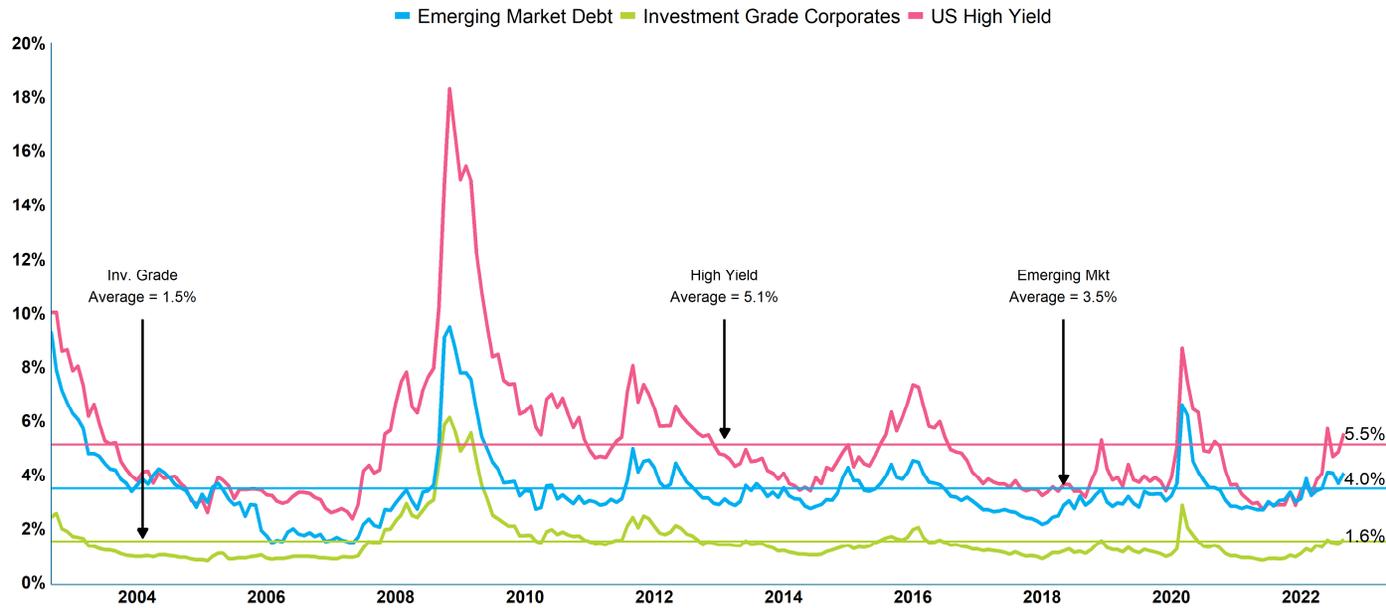
**Ten-Year Breakeven Inflation and CPI<sup>1</sup>**



- Inflation expectations (breakevens) declined for the month and finished the quarter slightly below the long-run average on the belief that tighter monetary policy would lower long-run inflation.
- Trailing twelve-month CPI declined in September (8.2% versus 8.3%) but surprised markets by coming in above expectations.
- Over the last year rising prices for energy (particularly oil), food, housing, and for new and used cars remain key drivers of inflation.

<sup>1</sup> Source: Bloomberg. Data is as of September 30, 2022. The CPI and 10 Year Breakeven average lines denote the average values from August 1998 to the present month-end respectively. Breakeven values represent month-end values for comparative purposes.

**Credit Spreads vs. US Treasury Bonds<sup>1</sup>**



- Credit spreads (the spread above a comparable maturity Treasury) widened in September, finishing the quarter above long-term averages. Fears related to the impact of tighter monetary policy on economic growth was a key driver of wider spreads.
- In the US, spreads for high yield increased sharply (5.5% versus 4.8%), with investment grade spreads rising more modestly (1.6% versus 1.4%). Emerging market spreads also increased (4.0% versus 3.6%).

<sup>1</sup> Sources: Bloomberg. Data is as of September 30, 2022. Average lines denote the average of the investment grade, high yield, and emerging market spread values from August 2000 to the recent month-end respectively.

### Global Economic Outlook

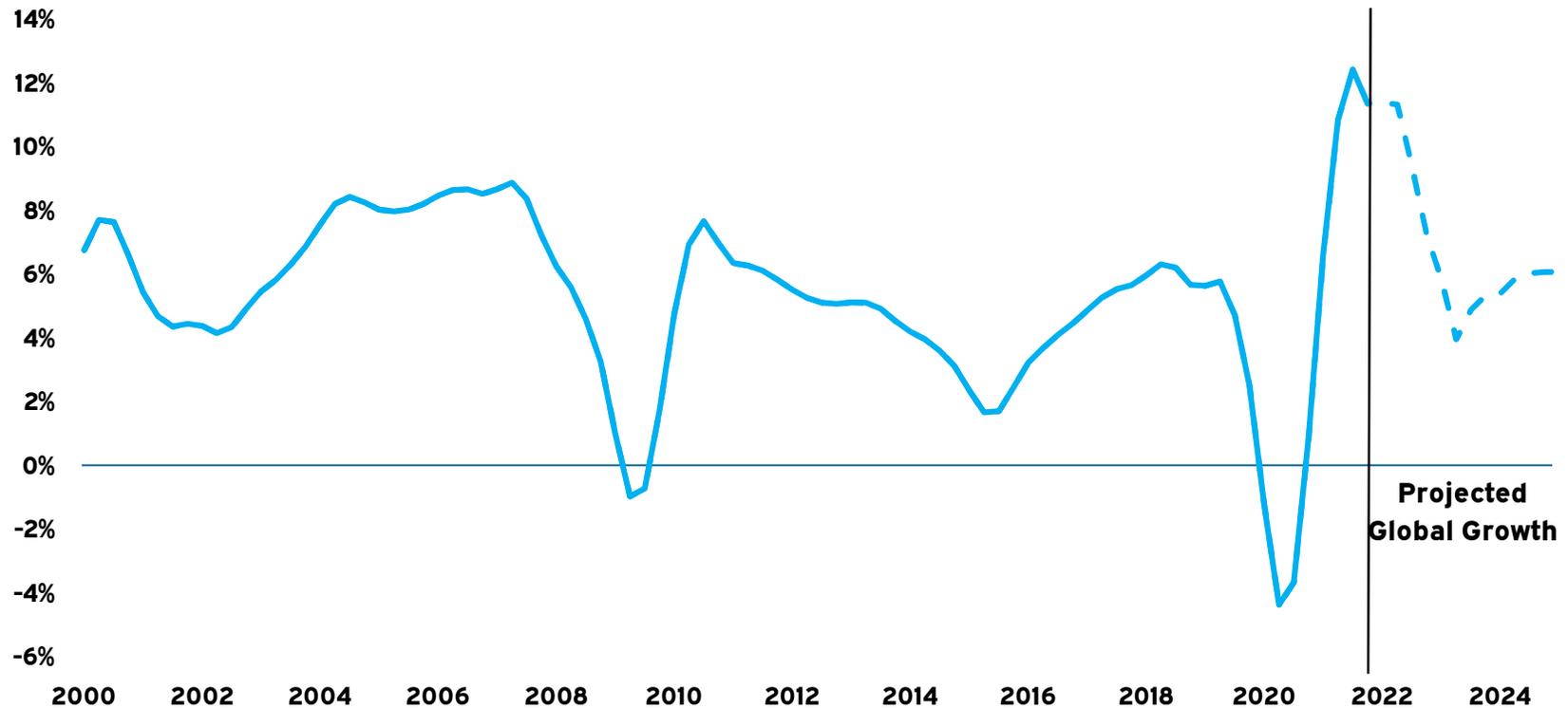
In their October update, the IMF maintained lowered global growth forecasts, driven by the economic impacts of persistent inflation and corresponding tighter policy, as well as issues related to the war in Ukraine and the lingering pandemic.

- The IMF forecasts global GDP growth to come in at 3.2% in 2022 (like the July estimate) and 2.7% in 2023 (0.2% below the prior estimate).
- In advanced economies, GDP is projected to grow 2.4% in 2022 and 1.1% in 2023. The US saw another downgrade in the 2022 (1.6% versus 2.3%) forecast largely due to accelerated policy tightening, given persistently high inflation. The euro area saw an upgrade in expected growth (3.1% versus 2.6%) on substantial fiscal stimulus in 2022 but a downgrade in 2023 (0.5% versus 1.2%) as rising energy prices weigh on the region that is a net importer of energy. The Japanese economy is expected to grow 1.7% this year and 1.6% in 2023.
- Growth projections for emerging markets are higher than developed markets, at 3.7% in 2022 and 2023. China’s growth was downgraded for 2022 (3.2% versus 3.3%) and 2023 (4.4% versus 4.6%) given tight COVID-19 restrictions and continued property sector problems.
- The global inflation forecast was significantly increased for 2022 (8.8% versus 7.4%).

	Real GDP (%) <sup>1</sup>			Inflation (%) <sup>1</sup>		
	IMF 2022 Forecast	IMF 2023 Forecast	Actual 10 Year Average	IMF 2022 Forecast	IMF 2023 Forecast	Actual 10 Year Average
World	3.2	2.7	3.2	8.8	6.5	3.6
Advanced Economies	2.4	1.1	1.6	7.2	4.3	1.6
US	1.6	1.0	2.1	8.1	3.5	2.0
Euro Area	3.1	0.5	1.0	8.3	5.7	1.3
Japan	1.7	1.6	0.8	2.0	1.4	0.4
Emerging Economies	3.7	3.7	4.4	9.9	8.1	5.3
China	3.2	4.4	7.3	2.2	2.2	2.4

<sup>1</sup> Source: IMF World Economic Outlook. Real GDP and Inflation forecasts from October 2022 Update. “Actual 10 Year Average” represents data from 2012 to 2021.

**Global Nominal Gross Domestic Product (GDP) Growth<sup>1</sup>**

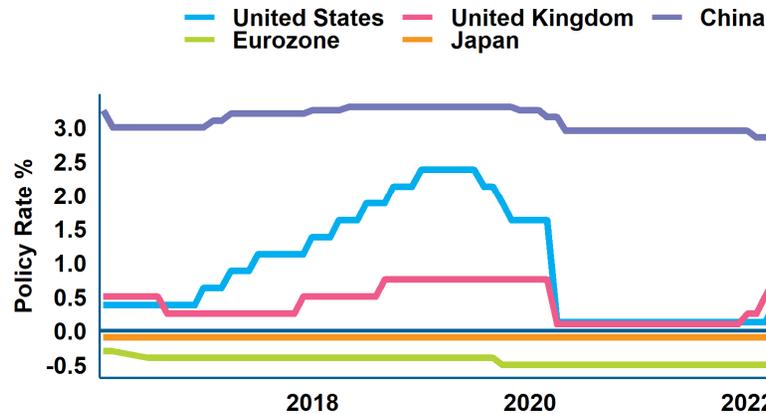


- Global economies are expected to slow in 2022 compared to 2021, with risks of recession increasing given persistently high inflation and related tighter monetary policy.
- The delicate balancing act of central banks trying to reduce inflation without dramatically impacting growth will remain key.

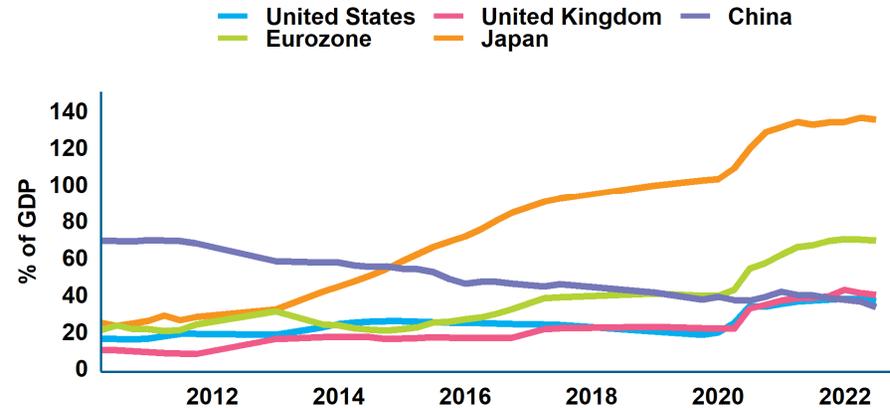
<sup>1</sup> Source: Oxford Economics (World GDP, US\$ prices & PPP exchange rate, nominal, % change YoY). Updated September 2022. Nominal expectations for GDP remain much higher than real GDP expectations given the elevated inflation levels.

### Central Bank Response<sup>1</sup>

#### Policy Rates



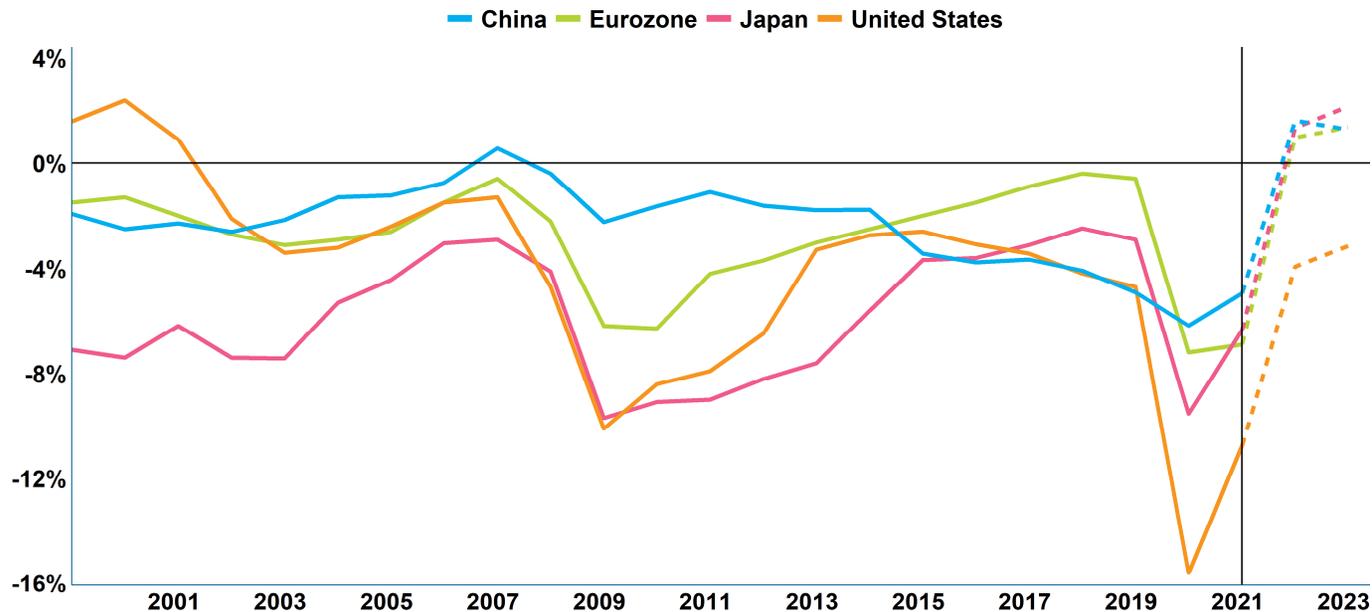
#### Balance Sheet as % of GDP



- After global central banks took extraordinary action to support economies during the pandemic, including policy rate cuts and emergency stimulus through quantitative easing (QE), many are now aggressively reducing support in the face of high inflation.
- The pace of withdrawing support varies across central banks with the US taking a more aggressive approach. The UK is also aggressively increasing rates, but recent talks of easing fiscal policy (this ultimately did not happen) created significant volatility that spilled over into other markets.
- The one notable central bank outlier is China, where the central bank has lowered rates and reserve requirements in response to slowing growth.
- The risk remains for a policy error, particularly overtightening, as record inflation, the war in Ukraine, and a tough COVID-19 policy in China could suppress global growth.

<sup>1</sup> Source: Bloomberg. Policy rate data is as of September 30, 2022. China policy rate is defined as the medium-term lending facility 1 year interest rate. Balance sheet as % of GDP is based on quarterly data and is as of June 30, 2022.

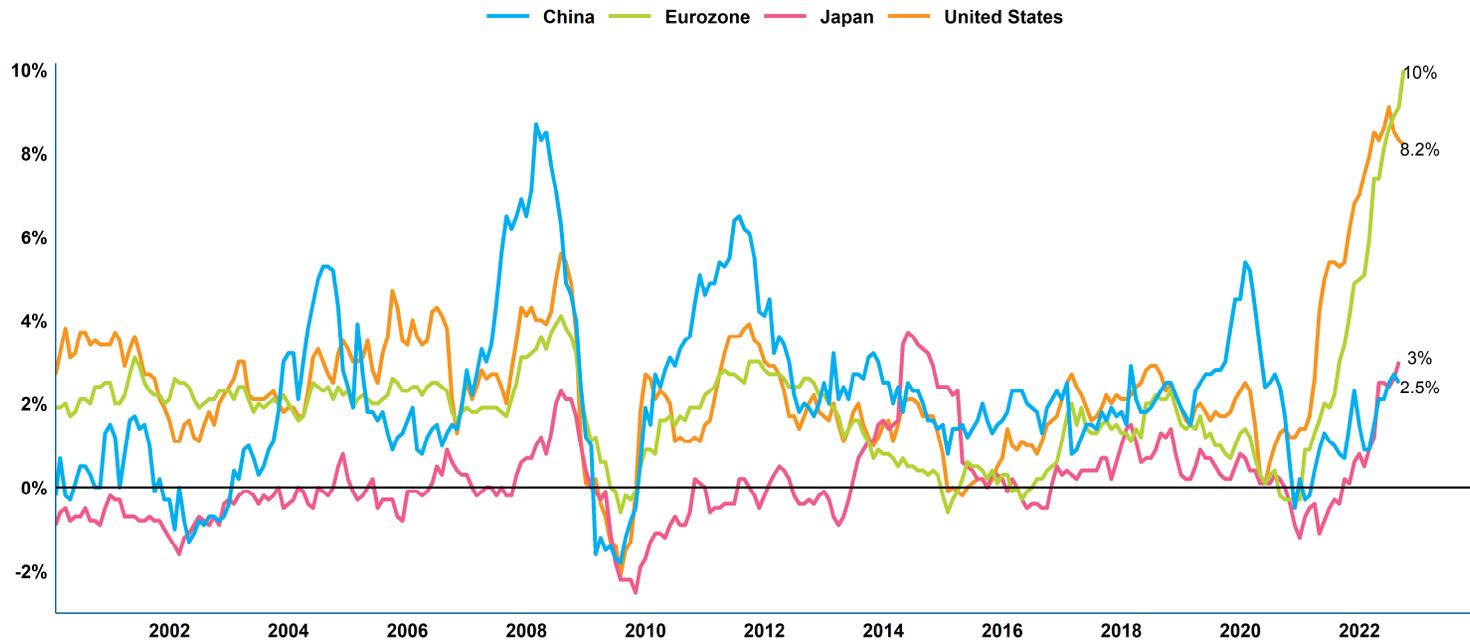
**Budget Surplus / Deficit as a Percentage of GDP<sup>1</sup>**



- Budget deficits as a percentage of GDP drastically increased for major world economies, particularly the US, due to massive fiscal support and the severe economic contraction's effect on tax revenue in 2020 and 2021.
- As fiscal stimulus programs end, and economic recoveries continue, deficits should improve.
- Questions remain about how some countries will respond fiscally as inflation, particularly energy prices, weigh on consumers. Policies that undermine central banks' efforts to fight inflation could lead to additional market volatility like was seen in the UK.

<sup>1</sup> Source: Bloomberg. Data is as of September 30, 2022. Projections via IMF Forecasts from October 2022 Report. Dotted lines represent 2022 and 2023 forecasts.

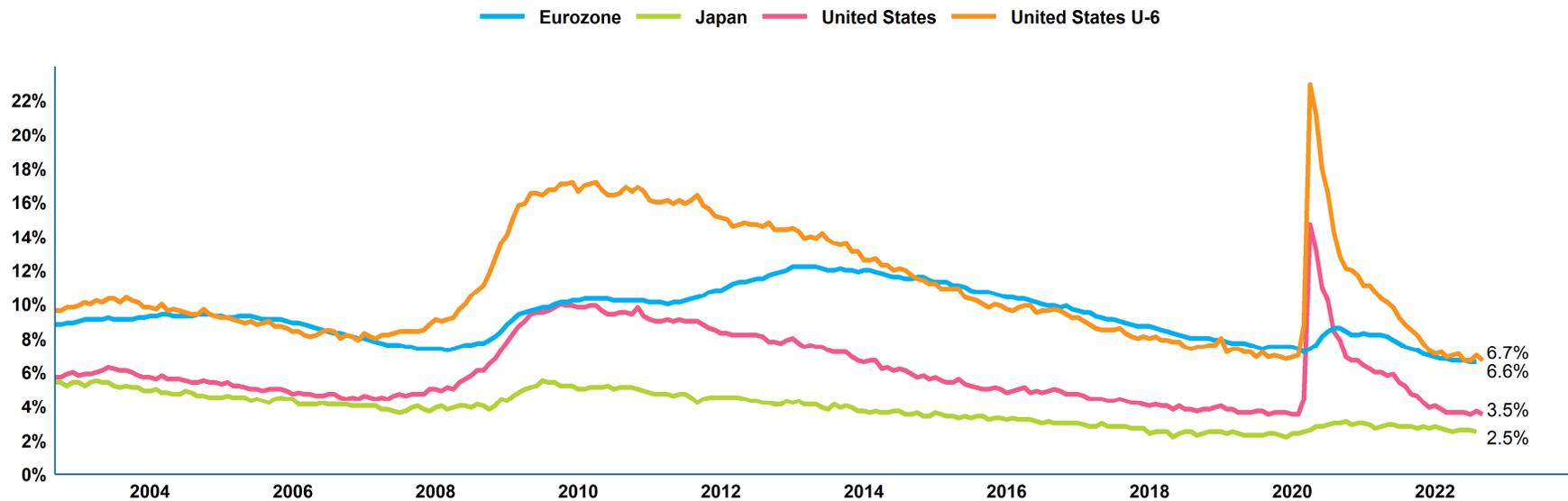
**Inflation (CPI Trailing Twelve Months)<sup>1</sup>**



- Inflation increased dramatically from the lows of the pandemic, particularly in the US and Eurozone where it has reached levels not seen in many decades.
- Supply issues related to the pandemic, record monetary and fiscal stimulus, strict COVID-19 restrictions in China, and higher prices in many commodities driven by the war in Ukraine have been key global drivers of inflation.

<sup>1</sup> Source: Bloomberg. Data is as of September 2022. The most recent data for Japan and China is as of August 31, 2022.

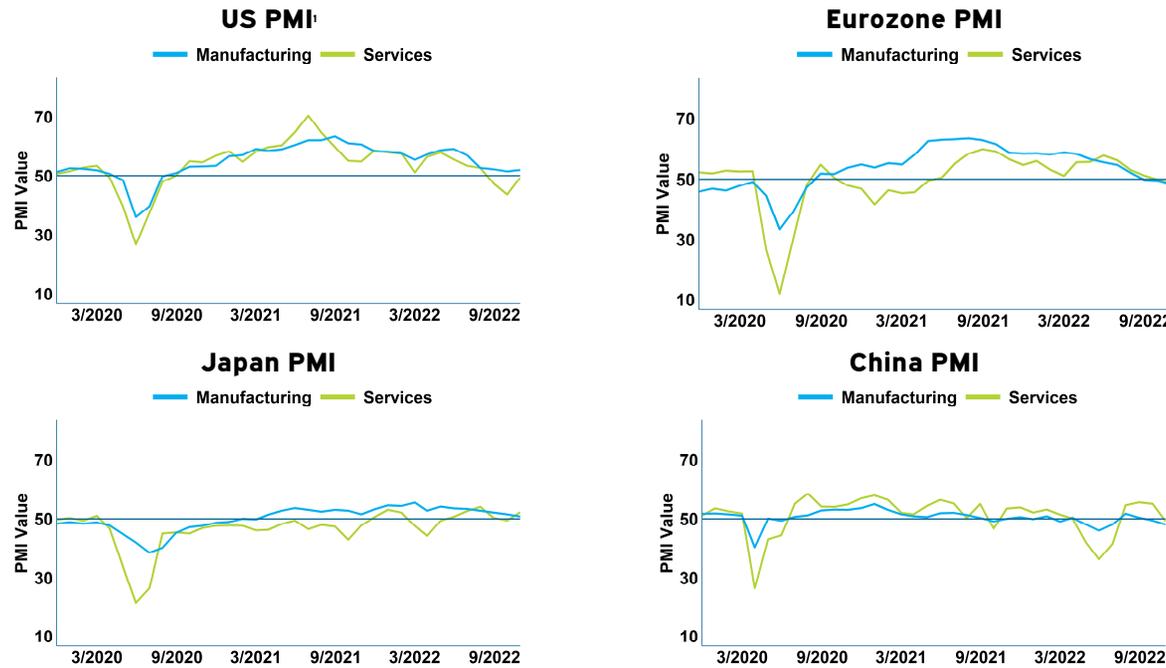
### Unemployment<sup>1</sup>



- As economies have largely reopened, helped by vaccines for the virus, improvements have been seen in the labor market.
- Despite slowing growth and high inflation the US labor market remains a bright spot. Unemployment in the US, which experienced the steepest rise from the pandemic, declined to pre-pandemic (3.5%) levels. The broader measure (U-6) that includes discouraged and underemployed workers declined but is much higher at 6.7%.
- The strong labor market and higher wages, although beneficial for workers, motivates the Fed's efforts to fight inflation, likely leading to eventually higher unemployment.

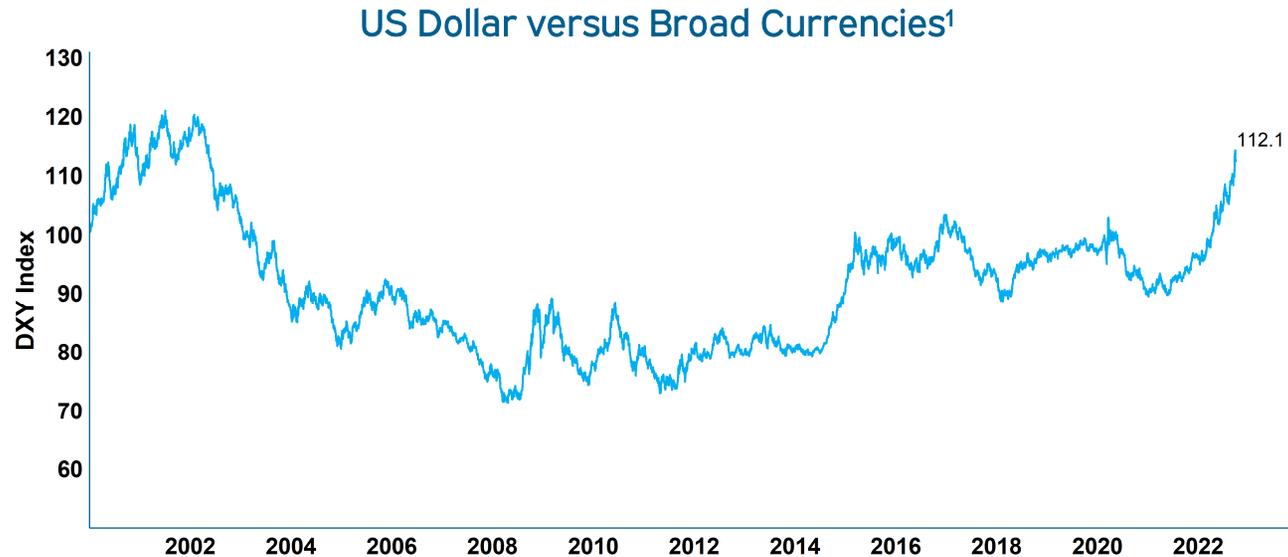
<sup>1</sup> Source: Bloomberg. Data is as of September 2022, for the US. The most recent data for Eurozone and Japanese unemployment is as of August 31, 2022.

### Global PMIs



- After improvements from the lows of the pandemic, Purchasing Managers Indices (PMI), based on surveys of private sector companies, have largely experienced downward pressure recently.
- Service sector PMIs, except Japan, are all in contraction territory. The US service sector recovered somewhat but remains in negative territory due to weak demand, a sharp decline in new orders, and softening employment.
- Manufacturing PMIs are also slowing across China and developed markets given declines in demand and inflationary pressures with the Eurozone and China in contraction territory.

<sup>1</sup> Source: Bloomberg. US Markit Services and Manufacturing PMI, Caixin Services and Manufacturing PMI, Eurozone Markit Services and Manufacturing PMI, Jibun Bank Services and Manufacturing PMI. Data is as of September 2022. Readings below 50 represent economic contractions.



- The US dollar continued to strengthen in September, increasing 7.1% overall for the quarter and reaching levels not seen in two decades.
- The increased pace of policy tightening, stronger relative growth, and safe-haven flows all contributed to the dollar’s strength this year.
- The euro, yen, pound, and yuan have all experienced significant declines versus the dollar this year, adding to inflation.

<sup>1</sup> Source: Bloomberg. Data as of September 30, 2022.

## Summary

### Key Trends in 2022:

- The impacts of record high inflation will remain key, with market volatility likely to remain high.
- The pace of monetary tightening globally will be faster than previously expected, with the risk of overtightening.
- Expect growth to slow globally in 2022 and into 2023 to the long-term trend or below. Inflation, monetary policy, and the war will all be key.
- In the US the end of many fiscal programs is expected to put the burden of continued growth on consumers. Higher energy and food prices will depress consumers' spending in other areas.
- Valuations have significantly declined in the US to below long-term averages.
- Outside the US, equity valuations remain lower in both emerging and developed markets, but major risks remain, including continued strength in the US dollar, higher inflation particularly weighing on Europe, and China maintaining its restrictive COVID-19 policies.

## **Q3 Executive Summary**

Performance Overview – Q3 2022

Total Market Value		Q3 Results		QTD Relative Results	
Q3 2022	\$991,272,770	MercedCERA	-3.2%	MercedCERA vs Policy Benchmark	2.8%
Q2 2022	\$1,058,082,954	Policy Benchmark	-6.0%		

As of September 30, 2022, the value of the Fund's assets was \$991 million.

- The MercedCERA portfolio returned -3.2% for the quarter. This translates to annualized returns of 6.4%, 6.0% and 7.3% over the three, five and ten-year trailing periods. The portfolio's since inception annualized return is 7.7%.
- The portfolio outpaced the policy benchmark by 280 basis points over the quarter, returning -3.2% net of fees versus -6.0% for the policy index.
- Real Assets had the strongest returns for the quarter, with Hedge Funds closely following, with returns of 1.4% and 1.2% for the quarter, respectively. Direct Lending had a positive return on an absolute basis, returning 0.2% for the period. International Equities posted the worst absolute returns, with -9.5% over the period. Developed and Emerging markets both struggled, though EM outpaced its benchmark by 2.0%. US Equities, the largest allocation by asset class, also struggled, posting -4.4% for the Quarter and bringing year to date returns to -25.9%. US Fixed Income also saw negative performance, returning -4.3%. Opportunistic Credit returned -0.7% over the period, outpacing its benchmark by 150 bps.
- Relative to policy targets, the underweight position in Private Equity detracted from performance, while the underweight allocation to Emerging Markets lessened the impact of the worst performing sub-asset class.

### Public Manager Highlights Q3 2022

8 out of 12 Public Active Managers<sup>1</sup> either outperformed or matched their respective benchmarks for Q3 2022.

#### Total Equity (Active)

- US Equity, returning -4.4%, marginally outpaced its benchmark by 10 basis points. BNY Mellon Newton Dynamic US Equity, MercedCERA's active US large cap manager, returned -5.0%, trailing their benchmark by 10 basis points. Champlain Small Cap, the portfolio's small cap active manager, returned -1.4%, outperforming the benchmark return of -2.2%.
- Developed International Equity returned -9.3%, trailing its benchmark by 10 basis points. GQG International, the largest position in this sleeve, returned -10.3%, trailing its benchmark by 40 basis points. First International Value returned -8.5%, though it beat its benchmark by 90 basis points. Acadian returned -7.8%, beating its benchmark by 60 basis points. Driehaus returned -9.5% and had the worst performance relative to benchmark, trailing by 150 basis points.
- Artisan & RWC, the two managers in the Emerging Markets space posted returns of -8.7% & -11.0% respectively. Both outperformed vs. their benchmark (MSCI Emerging Markets Index) which returned -11.6%.

---

<sup>1</sup> Excludes Public Managers that do not have a full quarter of performance, Private Markets and Hedge Fund Managers.

### Public Manager Highlights Q3 2022 (Continued)

#### Total Fixed Income (Active)

- US Fixed Income returned -4.3%, outpacing the benchmark return of -4.8%.
- Opportunistic Credit returned -0.7%, outpacing the benchmark return of -2.2%. GoldenTree was the only manager with positive returns, posting 0.4% for the period. Sculptor posted -0.8%, trailing its benchmark by 110 basis points, whereas the PIMCO Fund returned -1.9%, outpacing its benchmark return of -4.8%.

### Manager Updates

→ MercedCERA Board voted to remove Barrow Hanley from the US Fixed Income Sleeve. Contracts are currently pending. In addition, the US Fixed Income sleeve has been recategorized for the following substyles (with underlying managers):

### Core Fixed Income Targeted Breakdown

Substyle/ Underlying Managers	Core Fixed Income (%)	Active (%)	Passive (%)	Functional Role
<b>Active Duration ("Core Plus")</b>	<b>30</b>	<b>100</b>		<b>Risk mitigating and incremental alpha</b>
Brandywine	30	100		
<b>Short Duration</b>	<b>10</b>	<b>75</b>	<b>25</b>	<b>Risk mitigating and incremental alpha thru active mgmt</b>
Payden & Ragel	7.5	75		
Vanguard ST Treasury	2.5		25	This allocation could be easily substituted with active, if desired
<b>Core Bond</b>	<b>60</b>	<b>75</b>	<b>25</b>	<b>Risk mitigating and incremental alpha thru active mgmt</b>
Wellington	45	75		
Vanguard Total Bond Index	15		25	

### Fixed Income Policy Exposures

Asset Class	Policy Target	Primary Functional Role
Core Fixed Income	11	Risk Mitigating
Opportunistic Credit	5	Return Seeking

Active Manager Expectations

Manager	Strategy Description	Beta (High/Neutral/Low)	Tracking Error Range (bps)	Environments Manager Underperforms
<b>Domestic Equity</b>				
Champlain Small Cap	Moderately diversified small cap portfolio.	Low	4.0% to 7.0%	In low quality rallies.
Newton/Mellon Capital MCM Dynamic US Equity	Very diversified, quantitative, large cap core portfolio. Also has exposure to fixed income assets.	Neutral (higher in more recent periods)	2.5% to 5.0%	When investors misprice forward looking return/risk characteristics; when returns are concentrated in one sector.
<b>Developed Markets Equity (Non-US)</b>				
Driehaus International Small Cap Growth	Diversified growth manager that seeks to invest in companies experiencing positive growth inflections, using a combination of fundamental and macroeconomic analysis.	Low	4.0% to 7.0%	At market inflection points, with abrupt leadership change. Deep value, low quality market environments.
Acadian ACWI ex US Small Cap Equity	Very diversified international small cap portfolio, employing highly adaptive quantitative models.	Neutral	2.5% to 4.5%	During narrow markets, abrupt changes in leadership. In "value" challenged periods.
First Eagle International Value Fund	Benchmark agnostic, diversified international value manager with strategic gold allocation and willingness to utilize cash when valuations are elevated across the market.	Low	5.0% to 10.0%	In growth- and momentum-led rallies, where value discipline and an allocation to cash will be headwinds, and if physical gold underperforms.
GQG International Equity	Benchmark agnostic, concentrated international quality-growth equity manager with valuation discipline and macro awareness. Willing to invest in US-listed companies.	Low	5.0% to 10.0%	In cyclical recoveries where deep value, asset-heavy, smaller cap stocks rally.

Active Manager Expectations (Continued)

Manager	Strategy Description	Beta (High/Neutral/Low)	Tracking Error Range (bps)	Environments Manager Underperforms
<b>Emerging Markets Equity</b>				
Artisan Developing World	Concentrated, benchmark agnostic emerging markets strategy focused on high quality companies, overlaid with top-down macro (currency) awareness.	Neutral	5.0% to 10.0%	During cyclical rallies concentrated in deeper value, smaller cap stocks.
RWC Emerging Markets	Concentrated, growth-at-a-reasonable-price emerging markets equity strategy focused on mid cap stocks.	High	6.0% to 10.0%	Narrow rallies in large cap stocks where small and mid-caps lag, periods of heightened market volatility, deep drawdowns in asset-heavy cyclicals.
<b>Investment Grade Bonds</b>				
Barrow Hanley Core Fixed Income	Conservative, low tracking-error core strategy focused on bottom-up security selection.	Neutral	0.2% to 0.7%	At market inflection points, but should track the index very closely.
<b>Opportunistic Credit</b>				
PIMCO Income	Global multi-sector, benchmark agnostic approach, utilizing firm's resources to identify best income ideas while staying senior in the capital structure.	Low	1.5% to 3.5%	During periods of lower quality bond rallies and volatility in interest rates and certain currencies.
GoldenTree Multi-Sector Credit	Bottom-up security selection, managing risk and adding value through credit sector rotation.	Low	2.5% to 4.5%	During initial periods of economic recovery and rapid spread tightening.

Manager Monitor

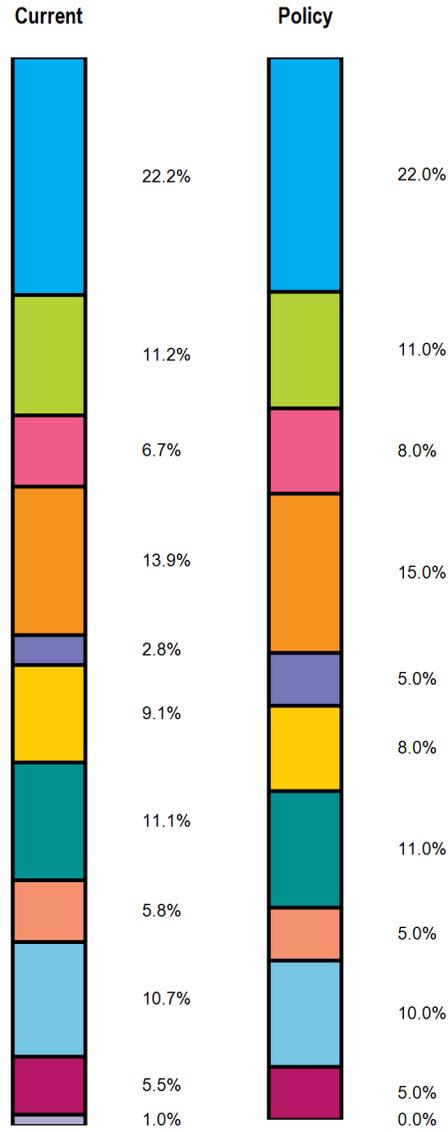
Manager	Significant Events (Yes/No)	Last Meeting w Board of Retirement	Last Meeting with MIG	Comments
<b>Domestic Equity Assets</b>				
BNY Mellon Newton Dynamic US Equity Fund	No	-	June-22	Strategy Update and discussion on current market environment.
BNY Mellon Large Cap Stock Index Fund	No	-	June-22	Merger of smaller boutiques – Met Mellon in March 2017 to go over HY Beta Strategy & conference call for Carbon Efficiency strategy.
Champlain Small Cap	No	-	Jan-22	Review of organizational changes, no changes to conviction level.
<b>Developed Markets Equity (Non-US) Assets</b>				
Driehaus International Small Cap Growth	No	-	Jun-21	Review of strategy, no changes to conviction level.
Acadian ACWI ex US Small Cap Equity	No	-	Jun-20	Review of strategy, no changes to conviction level.
First Eagle International Value Fund			May-22	Review of Senior Loans strategy, no changes to conviction level.
GQG International Equity	No	-	Mar-21	Review of strategy, no changes to conviction level.
<b>Emerging Markets Equity Assets</b>				
Artisan Developing World			Feb-20	Review of strategy, no changes to conviction level.
RWC Emerging Markets	No	-	Sept-21	CEO stepping down. Meketa remains comfortable.
<b>US Fixed Income Assets</b>				
Barrow Hanley Core Fixed Income Fund	No	Apr-19	Aug-22	Review of strategy resulted in termination of this active core bond manager.
<b>Opportunistic Credit</b>				
PIMCO Income Fund	No	-	May-22	Regular high-level meeting discussing positioning and detractors for Global IGB strategy.
GoldenTree Multi-Sector Credit	No	-	Aug-21	Review of strategy, no changes to conviction level.
Sculptor Opportunistic Credit	No		Feb-22	CEO compensation package discussion after controversial comments made by departing Director. No concerns after review.
<b>Private Equity Program</b>	N/A	N/A	N/A	Oversight by Cliffwater.
<b>Real Assets Program</b>	N/A	N/A	N/A	Oversight by Cliffwater.
<b>Hedge Fund Program</b>	N/A	N/A	N/A	Oversight by Cliffwater.

**Active Manager Peer Rankings<sup>1</sup>**

Investment Managers	Product	Peer Group	Market Value (\$M)					Client Inception	Years in Portfolio
			1YR	3YR	5YR	10YR			
Champlain	Small Cap Fund	US Small Cap Core	24	81	86	45	30	Nov-20	1.9
Mellon Capital	Dynamic US Equity Strategy	US Large Cap Core	44	72	31	14	-	Dec-12	9.8
Acadian	All-Country World ex US Small Cap	Non-US Div Small Cap	12	9	1	6	1	May-19	3.4
Driehaus	International Small Cap Growth	ACWI ex US Small Cap Growth	11	53	29	12	16	May-19	3.4
GQG	International Equity	All ACWI ex US Equity	46	10	58	60	-	Dec-19	2.8
First Eagle	International Value	EAFE Value Equity	42	27	90	80	92	Dec-19	2.8
Artisan	Developing World	Emerging Markets	44	99	23	8	-	Dec-19	2.8
RWC	Emerging Markets	Emerging Markets	23	71	32	61	11	Dec-19	2.8
Barrow Hanley	Core Fixed Income	US Core Fixed Income	38	80	70	71	78	Mar-10	12.6
PIMCO	Income Fund	Global Multi-Sector Fixed Income	17	35	30	46	28	May-19	3.5
GoldenTree	Multi-Sector Credit Strategy	Global Multi-Sector Fixed Income	22	18	10	11	17	Jun-19	3.3

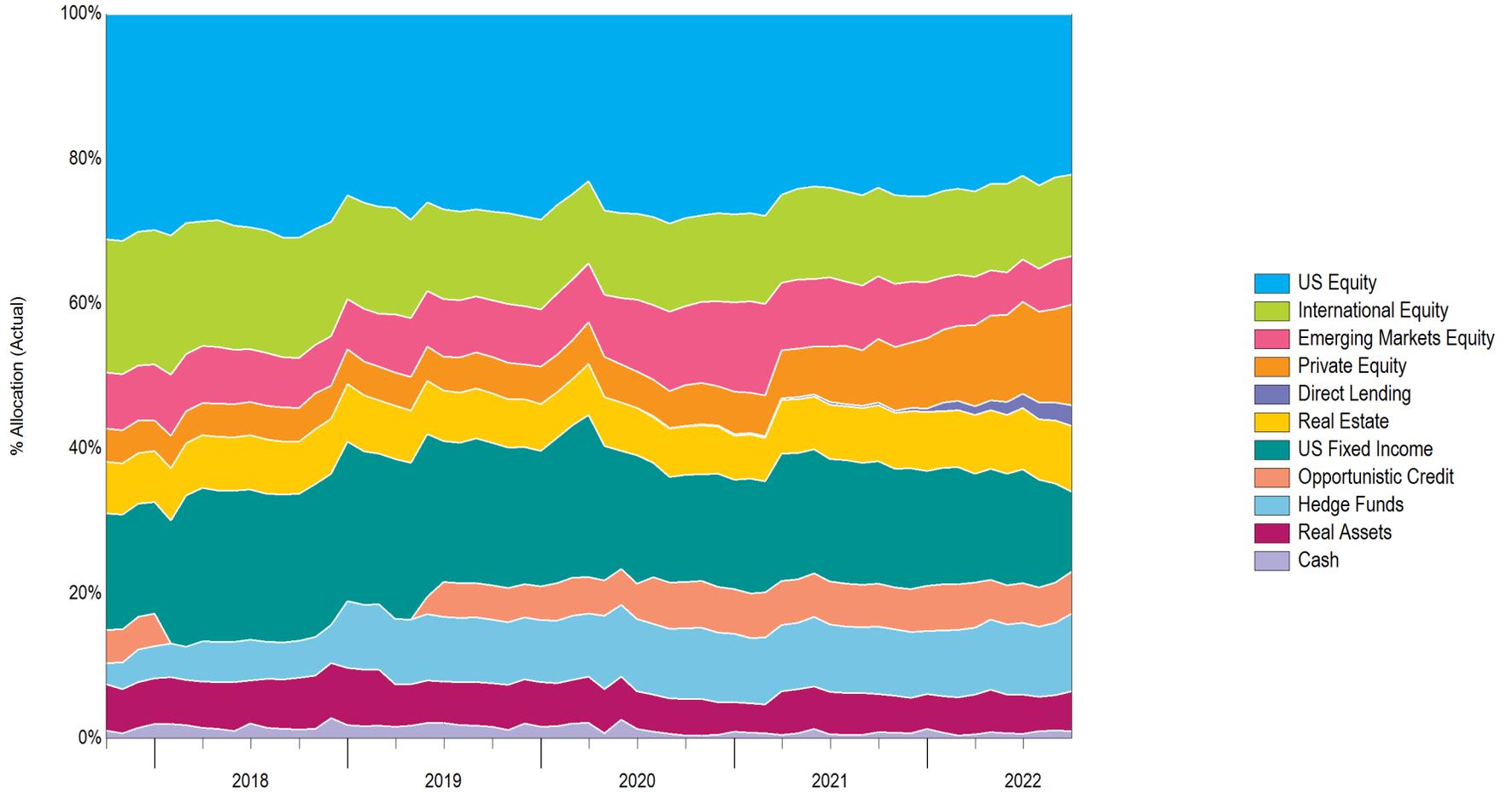
<sup>1</sup> Source: eVestment. Ranks are greyed out for periods before Merced CERA was invested.

## **Q3 Performance Report**



Allocation vs. Targets and Policy							
	Current Balance	Current Allocation	Policy	Difference	Policy Range	Within IPS Range?	
US Equity	\$219,927,140	22.2%	22.0%	0.2%	16.0% - 27.0%	Yes	
International Equity	\$111,474,161	11.2%	11.0%	0.2%	6.0% - 16.0%	Yes	
Emerging Markets Equity	\$66,396,457	6.7%	8.0%	-1.3%	4.0% - 12.0%	Yes	
Private Equity	\$137,932,693	13.9%	15.0%	-1.1%	5.0% - 20.0%	Yes	
Direct Lending	\$27,718,829	2.8%	5.0%	-2.2%	0.0% - 10.0%	Yes	
Real Estate	\$90,113,183	9.1%	8.0%	1.1%	6.0% - 10.0%	Yes	
US Fixed Income	\$109,744,080	11.1%	11.0%	0.1%	6.0% - 16.0%	Yes	
Opportunistic Credit	\$57,105,127	5.8%	5.0%	0.8%	3.0% - 7.0%	Yes	
Hedge Funds	\$106,502,378	10.7%	10.0%	0.7%	5.0% - 15.0%	Yes	
Real Assets	\$54,058,362	5.5%	5.0%	0.5%	3.0% - 7.0%	Yes	
Cash	\$10,300,361	1.0%	0.0%	1.0%	0.0% - 5.0%	Yes	
<b>Total</b>	<b>\$991,272,770</b>	<b>100.0%</b>	<b>100.0%</b>				

Asset Allocation History  
5 Years Ending September 30, 2022



Asset Class Performance Summary										
	Market Value (\$)	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Total Fund (Net)*</b>	<b>991,272,770</b>	<b>100.0</b>	<b>-3.2</b>	<b>-13.8</b>	<b>-10.3</b>	<b>6.4</b>	<b>6.0</b>	<b>7.3</b>	<b>7.7</b>	<b>Dec-94</b>
<b>Total Fund (Gross)*</b>			<b>-3.1</b>	<b>-13.6</b>	<b>-10.0</b>	<b>6.8</b>	<b>6.3</b>	<b>7.7</b>	<b>7.9</b>	
<i>Policy Index</i>			<i>-6.0</i>	<i>-15.1</i>	<i>-12.7</i>	<i>5.1</i>	<i>5.3</i>	<i>7.2</i>	<i>5.9</i>	<i>Dec-94</i>
<b>Total Fund w/o Alternatives (Net)</b>	<b>564,646,965</b>	<b>57.0</b>	<b>-5.6</b>	<b>-22.8</b>	<b>-20.1</b>	<b>3.2</b>	<b>4.0</b>	<b>6.5</b>	<b>--</b>	<b>Dec-94</b>
<b>Total Fund w/o Alternatives (Gross)</b>			<b>-5.5</b>	<b>-22.5</b>	<b>-19.7</b>	<b>3.6</b>	<b>4.3</b>	<b>6.8</b>	<b>--</b>	
<i>Policy Index w/o AI</i>			<i>-6.0</i>	<i>-21.7</i>	<i>-19.1</i>	<i>1.8</i>	<i>3.1</i>	<i>5.7</i>	<i>--</i>	<i>Dec-94</i>
<b>US Equity (Net)</b>	<b>219,927,140</b>	<b>22.2</b>	<b>-4.4</b>	<b>-25.9</b>	<b>-18.0</b>	<b>6.7</b>	<b>8.1</b>	<b>11.8</b>	<b>9.6</b>	<b>Dec-94</b>
<b>US Equity (Gross)</b>			<b>-4.3</b>	<b>-25.7</b>	<b>-17.8</b>	<b>7.0</b>	<b>8.4</b>	<b>12.1</b>	<b>9.7</b>	
<i>Russell 3000</i>			<i>-4.5</i>	<i>-24.6</i>	<i>-17.6</i>	<i>7.7</i>	<i>8.2</i>	<i>11.2</i>	<i>9.6</i>	<i>Dec-94</i>
<b>International Equity (Net)</b>	<b>177,870,618</b>	<b>17.9</b>	<b>-9.5</b>	<b>-29.4</b>	<b>-30.1</b>	<b>2.9</b>	<b>1.8</b>	<b>4.6</b>	<b>4.8</b>	<b>Dec-98</b>
<b>International Equity (Gross)</b>			<b>-9.3</b>	<b>-29.0</b>	<b>-29.5</b>	<b>3.6</b>	<b>2.4</b>	<b>5.3</b>	<b>5.1</b>	
<i>International Equity Custom</i>			<i>-10.2</i>	<i>-26.7</i>	<i>-26.0</i>	<i>-1.4</i>	<i>-0.8</i>	<i>3.6</i>	<i>3.4</i>	<i>Dec-98</i>
<b>Developed International Equity (Net)</b>	<b>111,474,161</b>	<b>11.2</b>	<b>-9.3</b>	<b>-22.1</b>	<b>-20.5</b>	<b>2.3</b>	<b>1.5</b>	<b>4.7</b>	<b>2.9</b>	<b>Jan-08</b>
<b>Developed International Equity (Gross)</b>			<b>-9.1</b>	<b>-21.7</b>	<b>-19.9</b>	<b>3.0</b>	<b>1.9</b>	<b>5.2</b>	<b>3.4</b>	
<i>Custom Blended Developed International Equity BM</i>			<i>-9.2</i>	<i>-27.5</i>	<i>-25.9</i>	<i>-1.5</i>	<i>-0.7</i>	<i>3.8</i>	<i>1.5</i>	<i>Jan-08</i>
<b>Emerging Markets Equity (Net)</b>	<b>66,396,457</b>	<b>6.7</b>	<b>-9.6</b>	<b>-40.2</b>	<b>-43.5</b>	<b>1.4</b>	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>Apr-12</b>
<b>Emerging Markets Equity (Gross)</b>			<b>-9.4</b>	<b>-39.8</b>	<b>-42.9</b>	<b>2.3</b>	<b>1.9</b>	<b>3.8</b>	<b>3.6</b>	
<i>Custom Blended Emerging Markets Benchmark</i>			<i>-11.6</i>	<i>-27.2</i>	<i>-28.1</i>	<i>-2.0</i>	<i>-1.6</i>	<i>1.3</i>	<i>1.2</i>	<i>Apr-12</i>
<b>US Fixed Income (Net)</b>	<b>109,744,080</b>	<b>11.1</b>	<b>-4.3</b>	<b>-14.1</b>	<b>-14.2</b>	<b>-3.1</b>	<b>-0.4</b>	<b>1.2</b>	<b>4.4</b>	<b>Dec-94</b>
<b>US Fixed Income (Gross)</b>			<b>-4.3</b>	<b>-14.0</b>	<b>-14.1</b>	<b>-3.0</b>	<b>-0.2</b>	<b>1.4</b>	<b>4.5</b>	
<i>BBgBarc US Aggregate TR</i>			<i>-4.8</i>	<i>-14.6</i>	<i>-14.6</i>	<i>-3.2</i>	<i>-0.3</i>	<i>1.1</i>	<i>4.7</i>	<i>Dec-94</i>
<b>Opportunistic Credit (Net)</b>	<b>57,105,127</b>	<b>5.8</b>	<b>-0.7</b>	<b>-8.4</b>	<b>-7.4</b>	<b>2.4</b>	<b>--</b>	<b>--</b>	<b>2.6</b>	<b>May-19</b>
<b>Opportunistic Credit (Gross)</b>			<b>-0.6</b>	<b>-8.1</b>	<b>-6.9</b>	<b>2.8</b>	<b>--</b>	<b>--</b>	<b>3.0</b>	
<i>50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans</i>			<i>-2.2</i>	<i>-11.9</i>	<i>-11.5</i>	<i>-1.1</i>	<i>--</i>	<i>--</i>	<i>0.0</i>	<i>May-19</i>

The current US Fixed Income benchmark is the Barclays US Agg. Please refer to the benchmark history for the composition of the US Fixed Income benchmark in earlier periods.

Data prior to March 2018 provided by prior consultant.

	Market Value (\$)	% of Portfolio	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Real Estate (Net)</b>	<b>90,113,183</b>	<b>9.1</b>	<b>-0.7</b>	<b>-1.6</b>	<b>5.6</b>	<b>5.2</b>	<b>5.5</b>	<b>6.7</b>	<b>--</b>	<b>Mar-99</b>
<b>Real Estate (Gross)</b>			<b>-0.7</b>	<b>-1.6</b>	<b>5.6</b>	<b>5.2</b>	<b>5.5</b>	<b>7.3</b>	<b>8.0</b>	
<i>Custom Blended Real Estate Benchmark</i>			<i>0.5</i>	<i>13.1</i>	<i>22.1</i>	<i>12.1</i>	<i>9.7</i>	<i>10.1</i>	<i>8.0</i>	<i>Mar-99</i>
<i>CPI + 5% (Seasonally Adjusted)</i>			<i>1.7</i>	<i>9.9</i>	<i>13.6</i>	<i>10.2</i>	<i>9.0</i>	<i>7.7</i>	<i>--</i>	<i>Mar-99</i>
<b>Private Real Estate (Net)</b>	<b>70,266,142</b>	<b>7.1</b>	<b>2.9</b>	<b>10.6</b>	<b>15.6</b>	<b>7.4</b>	<b>6.8</b>	<b>7.4</b>	<b>--</b>	<b>Mar-99</b>
<b>Private Real Estate (Gross)</b>			<b>2.9</b>	<b>10.6</b>	<b>15.6</b>	<b>7.4</b>	<b>6.9</b>	<b>8.0</b>	<b>8.3</b>	
<i>Custom Blended Real Estate Benchmark</i>			<i>0.5</i>	<i>13.1</i>	<i>22.1</i>	<i>12.1</i>	<i>9.7</i>	<i>10.1</i>	<i>8.0</i>	<i>Mar-99</i>
<b>Private Equity (Net)</b>	<b>137,932,693</b>	<b>13.9</b>	<b>-0.2</b>	<b>8.1</b>	<b>19.6</b>	<b>23.9</b>	<b>20.3</b>	<b>13.1</b>	<b>10.7</b>	<b>Jun-05</b>
<b>Private Equity (Gross)</b>			<b>-0.2</b>	<b>8.1</b>	<b>19.6</b>	<b>24.0</b>	<b>20.3</b>	<b>13.2</b>	<b>10.9</b>	
<i>Custom Private Equity Benchmark</i>			<i>-15.1</i>	<i>-12.7</i>	<i>-12.7</i>	<i>15.1</i>	<i>15.9</i>	<i>17.3</i>	<i>--</i>	<i>Jun-05</i>
<b>Direct Lending (Net)</b>	<b>27,718,829</b>	<b>2.8</b>	<b>0.2</b>	<b>2.7</b>	<b>3.4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10.3</b>	<b>Jul-20</b>
<b>Direct Lending (Gross)</b>			<b>0.2</b>	<b>2.7</b>	<b>3.4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10.3</b>	
<i>S&amp;P LSTA Leverage Loan Index + 2%</i>			<i>1.9</i>	<i>-1.7</i>	<i>-0.5</i>	<i>4.4</i>	<i>5.1</i>	<i>5.6</i>	<i>6.4</i>	<i>Jul-20</i>
<b>Hedge Fund (Net)</b>	<b>106,502,378</b>	<b>10.7</b>	<b>1.2</b>	<b>0.2</b>	<b>0.0</b>	<b>5.6</b>	<b>4.6</b>	<b>--</b>	<b>4.3</b>	<b>Jun-14</b>
<b>Hedge Fund (Gross)</b>			<b>1.4</b>	<b>0.9</b>	<b>0.8</b>	<b>6.6</b>	<b>5.2</b>	<b>--</b>	<b>4.7</b>	
<i>Custom Blended Hedge Fund Benchmark</i>			<i>-0.4</i>	<i>-7.0</i>	<i>-6.6</i>	<i>4.1</i>	<i>3.1</i>	<i>--</i>	<i>3.1</i>	<i>Jun-14</i>
<b>Real Assets (Net)</b>	<b>54,058,362</b>	<b>5.5</b>	<b>1.4</b>	<b>9.7</b>	<b>14.5</b>	<b>11.3</b>	<b>10.0</b>	<b>9.0</b>	<b>--</b>	<b>Mar-99</b>
<b>Real Assets (Gross)</b>			<b>1.4</b>	<b>9.8</b>	<b>14.6</b>	<b>11.5</b>	<b>10.1</b>	<b>9.6</b>	<b>--</b>	
<i>Custom Blended Real Assets Benchmark</i>			<i>-7.1</i>	<i>-7.9</i>	<i>-7.9</i>	<i>2.1</i>	<i>4.5</i>	<i>--</i>	<i>--</i>	<i>Mar-99</i>
<i>CPI + 5% (Seasonally Adjusted)</i>			<i>1.7</i>	<i>9.9</i>	<i>13.6</i>	<i>10.2</i>	<i>9.0</i>	<i>7.7</i>	<i>--</i>	<i>Mar-99</i>
<b>Private Infrastructure (Net)</b>	<b>25,628,831</b>	<b>2.6</b>	<b>2.3</b>	<b>7.9</b>	<b>11.1</b>	<b>13.3</b>	<b>12.8</b>	<b>--</b>	<b>9.8</b>	<b>Dec-14</b>
<b>Private Infrastructure (Gross)</b>			<b>2.3</b>	<b>7.9</b>	<b>11.1</b>	<b>13.6</b>	<b>12.9</b>	<b>--</b>	<b>9.9</b>	
<i>S&amp;P Global Infrastructure TR USD</i>			<i>-9.6</i>	<i>-10.1</i>	<i>-6.0</i>	<i>-0.1</i>	<i>2.1</i>	<i>5.7</i>	<i>3.5</i>	<i>Dec-14</i>
<b>Private Natural Resources (Net)</b>	<b>15,854,811</b>	<b>1.6</b>	<b>5.4</b>	<b>29.6</b>	<b>38.0</b>	<b>13.7</b>	<b>12.7</b>	<b>--</b>	<b>15.5</b>	<b>Sep-15</b>
<b>Private Natural Resources (Gross)</b>			<b>5.4</b>	<b>29.6</b>	<b>38.0</b>	<b>13.7</b>	<b>12.7</b>	<b>--</b>	<b>15.5</b>	
<i>S&amp;P Global Natural Resources Index TR USD</i>			<i>-4.6</i>	<i>-5.9</i>	<i>1.0</i>	<i>9.1</i>	<i>5.7</i>	<i>3.4</i>	<i>10.3</i>	<i>Sep-15</i>
<b>Cash (Net)</b>	<b>10,300,361</b>	<b>1.0</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	
<b>Cash (Gross)</b>			<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	

\*One or more accounts have been excluded from the composite for the purposes of performance calculations and market value.

Private Markets values are cash flow adjusted from 6/30/2022 NAVs. Real Assets includes State Street Real Asset NL Fund.

Trailing Net Performance											
	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Total Fund*</b>	<b>991,272,770</b>	<b>100.0</b>	<b>--</b>	<b>-3.2</b>	<b>-13.8</b>	<b>-10.3</b>	<b>6.4</b>	<b>6.0</b>	<b>7.3</b>	<b>7.7</b>	<b>Dec-94</b>
<i>Policy Index</i>				-6.0	-15.1	-12.7	5.1	5.3	7.2	5.9	Dec-94
<i>InvMetrics Public DB \$250mm-\$1B Net Median</i>				-4.3	-18.5	-15.0	3.7	4.5	6.4	7.7	Dec-94
<i>InvMetrics Public DB \$250mm-\$1B Net Rank</i>				9	8	5	3	7	15	33	Dec-94
<b>Total Fund w/o Alternatives</b>	<b>564,646,965</b>	<b>57.0</b>	<b>57.0</b>	<b>-5.6</b>	<b>-22.8</b>	<b>-20.1</b>	<b>3.2</b>	<b>4.0</b>	<b>6.5</b>	<b>--</b>	<b>Dec-94</b>
<i>Policy Index w/o AI</i>				-6.0	-21.7	-19.1	1.8	3.1	5.7	--	Dec-94
<i>InvMetrics Public DB \$250mm-\$1B Net Median</i>				-4.3	-18.5	-15.0	3.7	4.5	6.4	7.7	Dec-94
<i>InvMetrics Public DB \$250mm-\$1B Net Rank</i>				95	94	95	64	61	48	--	Dec-94
<b>US Equity</b>	<b>219,927,140</b>	<b>22.2</b>	<b>38.9</b>	<b>-4.4</b>	<b>-25.9</b>	<b>-18.0</b>	<b>6.7</b>	<b>8.1</b>	<b>11.8</b>	<b>9.6</b>	<b>Dec-94</b>
<i>Russell 3000</i>				-4.5	-24.6	-17.6	7.7	8.2	11.2	9.6	Dec-94
<i>InvMetrics All DB US Eq Net Median</i>				-4.5	-24.2	-17.4	7.1	7.9	10.6	9.1	Dec-94
<i>InvMetrics All DB US Eq Net Rank</i>				34	85	61	61	39	4	14	Dec-94
<b>BNY Mellon Large Cap</b>	<b>151,831,173</b>	<b>15.3</b>	<b>69.0</b>	<b>-4.6</b>	<b>-24.6</b>	<b>-17.2</b>	<b>8.0</b>	<b>9.0</b>	<b>--</b>	<b>10.8</b>	<b>Mar-16</b>
<i>Russell 1000</i>				-4.6	-24.6	-17.2	7.9	9.0	11.6	10.8	Mar-16
<i>eV US Large Cap Core Equity Net Median</i>				-5.1	-23.1	-15.6	6.9	8.1	10.7	9.8	Mar-16
<i>eV US Large Cap Core Equity Net Rank</i>				33	66	69	27	30	--	24	Mar-16
<b>BNY Mellon Newton Dynamic US Equity</b>	<b>44,225,383</b>	<b>4.5</b>	<b>20.1</b>	<b>-5.0</b>	<b>-26.9</b>	<b>-17.5</b>	<b>7.8</b>	<b>9.9</b>	<b>--</b>	<b>14.1</b>	<b>Dec-12</b>
<i>S&amp;P 500</i>				-4.9	-23.9	-15.5	8.2	9.2	11.7	12.1	Dec-12
<i>eV US Large Cap Core Equity Net Median</i>				-5.1	-23.1	-15.6	6.9	8.1	10.7	11.0	Dec-12
<i>eV US Large Cap Core Equity Net Rank</i>				46	90	72	31	14	--	1	Dec-12
<b>Champlain Small Cap</b>	<b>23,870,584</b>	<b>2.4</b>	<b>10.9</b>	<b>-1.4</b>	<b>-27.0</b>	<b>-23.3</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1.2</b>	<b>Nov-20</b>
<i>Russell 2000</i>				-2.2	-25.1	-23.5	4.3	3.6	8.6	5.4	Nov-20
<i>eV US Small Cap Core Equity Net Median</i>				-3.2	-23.9	-19.5	6.1	5.4	9.4	8.7	Nov-20
<i>eV US Small Cap Core Equity Net Rank</i>				14	81	81	--	--	--	94	Nov-20

Historical returns for the US Equity Composite prior to January 2012 and for the International Equity Composite prior to December 2010 are gross only.

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>International Equity</b>	<b>177,870,618</b>	<b>17.9</b>	<b>31.5</b>	<b>-9.5</b>	<b>-29.4</b>	<b>-30.1</b>	<b>2.9</b>	<b>1.8</b>	<b>4.6</b>	<b>4.8</b>	<b>Dec-98</b>
<i>International Equity Custom</i>				-10.2	-26.7	-26.0	-1.4	-0.8	3.6	3.4	Dec-98
<i>InvMetrics All DB ex-US Eq Net Median</i>				-10.0	-27.5	-26.4	-1.2	-0.8	3.4	4.1	Dec-98
<i>InvMetrics All DB ex-US Eq Net Rank</i>				31	77	86	4	5	9	32	Dec-98
<b>Developed International Equity</b>	<b>111,474,161</b>	<b>11.2</b>	<b>62.7</b>	<b>-9.3</b>	<b>-22.1</b>	<b>-20.5</b>	<b>2.3</b>	<b>1.5</b>	<b>4.7</b>	<b>2.9</b>	<b>Jan-08</b>
<i>Custom Blended Developed International Equity BM</i>				-9.2	-27.5	-25.9	-1.5	-0.7	3.8	1.5	Jan-08
GQG International Equity	46,108,057	4.7	41.4	-10.3	-22.0	-20.3	--	--	--	0.8	Dec-19
<i>MSCI ACWI ex USA</i>				-9.9	-26.5	-25.2	-1.5	-0.8	3.0	-3.1	Dec-19
<i>eV Global Growth Equity Net Median</i>				-5.8	-33.3	-30.7	4.4	6.5	8.8	2.3	Dec-19
<i>eV Global Growth Equity Net Rank</i>				99	5	10	--	--	--	70	Dec-19
First Eagle International Value Fund	42,020,606	4.2	37.7	-8.5	-17.4	-15.5	--	--	--	-2.4	Dec-19
<i>MSCI EAFE</i>				-9.4	-27.1	-25.1	-1.8	-0.8	3.7	-3.5	Dec-19
<i>MSCI World ex USA</i>				-9.2	-26.2	-23.9	-1.2	-0.4	3.6	-2.8	Dec-19
<i>eV Global Value Equity Net Median</i>				-8.9	-21.8	-18.3	2.3	1.7	6.0	0.4	Dec-19
<i>eV Global Value Equity Net Rank</i>				44	15	27	--	--	--	88	Dec-19
Acadian ACWI ex U.S. Small Cap Equity	11,974,552	1.2	10.7	-7.8	-24.2	-22.0	6.6	--	--	4.8	May-19
<i>MSCI ACWI ex US Small Cap</i>				-8.4	-29.4	-28.9	0.4	-0.6	4.4	-0.3	May-19
<i>eV ACWI ex-US Small Cap Equity Net Median</i>				-8.9	-33.1	-31.7	0.4	-0.6	5.6	-0.5	May-19
<i>eV ACWI ex-US Small Cap Equity Net Rank</i>				25	17	9	1	--	--	1	May-19
Driehaus International Small Cap Growth	11,370,946	1.1	10.2	-9.5	-34.4	-34.0	2.1	--	--	2.7	May-19
<i>MSCI ACWI ex US Small Cap Growth NR USD</i>				-8.0	-33.9	-33.4	0.5	-0.1	4.5	-0.2	May-19
<i>eV ACWI ex-US Small Cap Equity Net Median</i>				-8.9	-33.1	-31.7	0.4	-0.6	5.6	-0.5	May-19
<i>eV ACWI ex-US Small Cap Equity Net Rank</i>				62	55	53	29	--	--	14	May-19

Developed International Equity and Emerging Markets Equity composites were only reported as one composite prior to March 2018.

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Emerging Markets Equity</b>	<b>66,396,457</b>	<b>6.7</b>	<b>37.3</b>	<b>-9.6</b>	<b>-40.2</b>	<b>-43.5</b>	<b>1.4</b>	<b>1.0</b>	<b>2.9</b>	<b>2.7</b>	<b>Apr-12</b>
<i>Custom Blended Emerging Markets Benchmark</i>				-11.6	-27.2	-28.1	-2.0	-1.6	1.3	1.2	Apr-12
Artisan Developing World TR	43,660,426	4.4	65.8	-8.7	-44.3	-48.2	--	--	--	-3.1	Dec-19
<i>MSCI Emerging Markets</i>				-11.6	-27.2	-28.1	-2.1	-1.8	1.0	-3.6	Dec-19
<i>eV Emg Mkts Equity Net Median</i>				-10.2	-27.3	-28.1	-1.4	-1.6	1.5	-2.7	Dec-19
<i>eV Emg Mkts Equity Net Rank</i>				37	99	99	--	--	--	54	Dec-19
RWC	22,736,031	2.3	34.2	-11.0	-30.5	-31.5	--	--	--	-3.7	Dec-19
<i>MSCI Emerging Markets</i>				-11.6	-27.2	-28.1	-2.1	-1.8	1.0	-3.6	Dec-19
<i>eV Emg Mkts Equity Net Median</i>				-10.2	-27.3	-28.1	-1.4	-1.6	1.5	-2.7	Dec-19
<i>eV Emg Mkts Equity Net Rank</i>				65	73	71	--	--	--	62	Dec-19
<b>US Fixed Income</b>	<b>109,744,080</b>	<b>11.1</b>	<b>19.4</b>	<b>-4.3</b>	<b>-14.1</b>	<b>-14.2</b>	<b>-3.1</b>	<b>-0.4</b>	<b>1.2</b>	<b>4.4</b>	<b>Dec-94</b>
<i>BBgBarc US Aggregate TR</i>				-4.8	-14.6	-14.6	-3.2	-0.3	1.1	4.7	Dec-94
<i>InvMetrics All DB US Fix Inc Net Median</i>				-3.7	-13.1	-13.1	-1.9	0.4	1.4	4.8	Dec-94
<i>InvMetrics All DB US Fix Inc Net Rank</i>				61	57	57	70	78	62	91	Dec-94
Vanguard Short-Term Treasury Index Fund	42,770,656	4.3	39.0	-1.6	-4.5	-5.1	-0.6	--	--	0.7	Feb-18
<i>Bloomberg US Govt 1-3 Yr TR</i>				-1.5	-4.5	-5.1	-0.5	0.5	0.6	0.7	Feb-18
<i>Bloomberg US Govt 1-5 Yr TR</i>				-2.2	-6.3	-7.0	-1.0	0.4	0.6	0.6	Feb-18
<i>eV US Short Duration Fixed Inc Net Median</i>				-1.3	-4.8	-5.3	-0.4	0.8	0.9	0.9	Feb-18
<i>eV US Short Duration Fixed Inc Net Rank</i>				67	39	40	66	--	--	80	Feb-18
Barrow Hanley	38,313,444	3.9	34.9	-4.9	-15.2	-15.3	-3.2	-0.2	0.9	2.0	Mar-10
<i>Bloomberg US Aggregate TR</i>				-4.8	-14.6	-14.6	-3.3	-0.3	0.9	2.0	Mar-10
<i>eV US Core Fixed Inc Net Median</i>				-4.6	-14.6	-14.6	-3.0	0.0	1.1	2.3	Mar-10
<i>eV US Core Fixed Inc Net Rank</i>				85	78	80	70	71	78	79	Mar-10
Vanguard Total Bond Market Index Fund	28,659,980	2.9	26.1	-4.6	-14.6	-14.6	-3.3	--	--	-1.3	May-19
<i>Bloomberg US Aggregate TR</i>				-4.8	-14.6	-14.6	-3.3	-0.3	0.9	-1.4	May-19
<i>eV US Core Fixed Inc Net Median</i>				-4.6	-14.6	-14.6	-3.0	0.0	1.1	-1.1	May-19
<i>eV US Core Fixed Inc Net Rank</i>				63	51	54	74	--	--	74	May-19

Historical returns for the US Fixed Income Composite prior to December 2010 and for Barrow Hanley prior to June 2010 are gross only.

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Opportunistic Credit</b>	<b>57,105,127</b>	<b>5.8</b>	<b>10.1</b>	<b>-0.7</b>	<b>-8.4</b>	<b>-7.4</b>	<b>2.4</b>	<b>--</b>	<b>--</b>	<b>2.6</b>	<b>May-19</b>
<i>50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans</i>				-2.2	-11.9	-11.5	-1.1	--	--	0.0	May-19
GoldenTree Multi-Sector Credit	21,962,343	2.2	38.5	0.4	-9.3	-8.5	1.8	--	--	2.1	Jun-19
<i>50% BBg US High Yield TR/50% Credit Suisse Leveraged Loans</i>				0.3	-9.1	-8.5	0.9	2.3	3.8	1.5	Jun-19
<i>eV US High Yield Fixed Inc Net Median</i>				-0.6	-13.6	-12.9	-0.4	1.5	3.7	0.8	Jun-19
<i>eV US High Yield Fixed Inc Net Rank</i>				14	20	18	10	--	--	12	Jun-19
Sculptor Credit Opportunities Domestic Partners, LP	18,596,045	1.9	32.6	-0.8	-3.3	-0.9	--	--	--	10.0	Jul-20
<i>50% BBg US High Yield TR/50% Credit Suisse Leveraged Loans</i>				0.3	-9.1	-8.5	0.9	2.3	3.8	2.2	Jul-20
PIMCO Income Fund	16,546,739	1.7	29.0	-1.9	-10.8	-10.7	-0.3	--	--	0.2	Apr-19
<i>Bloomberg US Aggregate TR</i>				-4.8	-14.6	-14.6	-3.3	-0.3	0.9	-1.4	Apr-19
<i>Multisector Bond MStar MF Median</i>				-2.2	-12.5	-12.1	-1.0	0.9	2.4	0.1	Apr-19
<i>Multisector Bond MStar MF Rank</i>				37	37	35	30	--	--	47	Apr-19
<b>Real Estate</b>	<b>90,113,183</b>	<b>9.1</b>	<b>9.1</b>	<b>-0.7</b>	<b>-1.6</b>	<b>5.6</b>	<b>5.2</b>	<b>5.5</b>	<b>6.7</b>	<b>--</b>	<b>Mar-99</b>
<i>Custom Blended Real Estate Benchmark</i>				0.5	13.1	22.1	12.1	9.7	10.1	8.0	Mar-99
<i>CPI + 5% (Seasonally Adjusted)</i>				1.7	9.9	13.6	10.2	9.0	7.7	--	Mar-99
<i>InvMetrics All DB Real Estate Pub+Priv Net Median</i>				0.1	11.3	19.0	10.5	8.9	9.4	--	Mar-99
<i>InvMetrics All DB Real Estate Pub+Priv Net Rank</i>				81	92	91	91	89	91	--	Mar-99
Vanguard REIT Index	19,847,041	2.0	22.0	-11.0	-29.3	-18.7	--	--	--	2.7	Aug-20
<i>Spliced Vanguard REIT Benchmark</i>				-11.0	-29.2	-18.6	-1.5	3.2	6.3	2.8	Aug-20

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Private Real Estate</b>	<b>70,266,142</b>	<b>7.1</b>	<b>78.0</b>	<b>2.9</b>	<b>10.6</b>	<b>15.6</b>	<b>7.4</b>	<b>6.8</b>	<b>7.4</b>	--	<b>Mar-99</b>
<i>Custom Blended Real Estate Benchmark</i>				0.5	13.1	22.1	12.1	9.7	10.1	8.0	Mar-99
<i>InvMetrics All DB Real Estate Pub+Priv Net Median</i>				0.1	11.3	19.0	10.5	8.9	9.4	--	Mar-99
<i>InvMetrics All DB Real Estate Pub+Priv Net Rank</i>				1	67	77	83	79	82	--	Mar-99
UBS Trumbull Property	30,456,865	3.1	43.3	4.2	18.3	26.4	8.0	5.8	7.1	7.1	Mar-99
Patron Capital V	7,209,372	0.7	10.3	-3.5	-31.4	-29.1	-10.9	3.0	--	2.2	Jan-16
Cerberus Real Estate Debt Fund, L.P.	4,997,737	0.5	7.1	0.3	3.8	5.0	--	--	--	12.0	Jul-20
AG Realty Value Fund X, L.P.	4,663,157	0.5	6.6	7.3	26.4	30.4	16.4	--	--	8.4	Jun-19
Rockpoint Real Estate Fund VI, L.P.	4,216,162	0.4	6.0	2.3	17.7	21.0	--	--	--	17.7	May-20
Taconic CRE Dislocation Fund II	3,708,014	0.4	5.3	3.2	14.1	4.7	9.0	--	--	7.7	Nov-18
Taconic CRE Dislocation Onshore Fund III	3,649,483	0.4	5.2								
Carlyle Realty VIII	2,959,268	0.3	4.2	2.6	53.9	112.7	50.1	--	--	12.9	Dec-17
Carmel Partners Investment Fund VII	2,196,515	0.2	3.1	2.4	6.3	4.2	-18.6	--	--	-26.2	Apr-19
Starwood Distressed Opportunity Fund XII Global	1,890,892	0.2	2.7								
Rockpoint Real Estate Fund VII L.P.	1,876,880	0.2	2.7	--	--	--	--	--	--	3.0	Aug-22
Greenfield Gap VII	1,689,078	0.2	2.4	4.7	41.6	43.3	25.7	21.0	--	18.4	Dec-14
Carmel Partners Investment Fund VIII	812,599	0.1	1.2								
Carlyle Realty Partners IX	-59,880	0.0	-0.1								

All private markets performance and market values reflect a 6/30/2022 capital account balance.

Private Real Estate results prior to 1/1/2019 were included in the Real Assets composite. All results for the Private Real Estate composite that include the period prior to 1/1/2019 will reflect only the latest lineup of managers that Meketa received information for, therefore it may not reflect the entire Private Real Estate composite at that given time.

## Total Fund | As of September 30, 2022

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Private Equity</b>	<b>137,932,693</b>	<b>13.9</b>	<b>13.9</b>	<b>-0.2</b>	<b>8.1</b>	<b>19.6</b>	<b>23.9</b>	<b>20.3</b>	<b>13.1</b>	<b>10.7</b>	<b>Jun-05</b>
<i>Custom Private Equity Benchmark</i>				-15.1	-12.7	-12.7	15.1	15.9	17.3	--	Jun-05
<i>InvMetrics All DB Private Eq Net Median</i>				-0.1	0.3	6.9	19.3	15.7	12.9	11.1	Jun-05
<i>InvMetrics All DB Private Eq Net Rank</i>				56	11	5	18	14	49	60	Jun-05
Spark Capital Growth Fund III	12,263,598	1.2	8.9	32.6	47.6	108.5	--	--	--	38.2	Mar-20
Cortec Group Fund VII	9,920,089	1.0	7.2	7.6	12.3	11.4	--	--	--	29.4	Dec-19
Ocean Avenue II	9,135,211	0.9	6.6	5.3	29.8	44.4	49.0	41.5	--	24.8	Jun-14
Genstar Capital Partners IX	8,479,040	0.9	6.1	17.4	28.3	37.6	32.4	--	--	30.4	Jul-19
Thoma Bravo Discover Fund III	7,866,189	0.8	5.7	-2.8	8.6	7.1	--	--	--	8.1	Jun-21
Summit Partners Growth Equity Fund X-A	7,406,683	0.7	5.4	-1.9	-1.8	4.3	--	--	--	3.3	Mar-20
Taconic Market Dislocation Fund III L.P.	7,059,397	0.7	5.1	-5.9	-1.4	3.8	--	--	--	17.5	Jul-20
TCV X	7,040,578	0.7	5.1	-26.8	-27.7	-18.8	28.0	--	--	21.2	Apr-19
Carrick Capital Partners III	6,130,825	0.6	4.4	-4.0	19.7	25.0	17.5	--	--	13.1	Aug-18
Davidson Kempner Long-Term Distressed Opportunities Fund IV	5,439,277	0.5	3.9	1.1	26.0	45.2	16.4	--	--	14.7	Apr-18
GTCR Fund XII	5,394,816	0.5	3.9	-3.2	6.2	23.4	39.1	--	--	18.9	Jun-18
Adams Street	4,937,816	0.5	3.6	-9.4	-13.3	-8.2	18.1	16.2	14.0	8.9	Sep-05
Accel-KKR Growth Capital Partners III	4,838,255	0.5	3.5	-2.2	-0.6	25.0	12.8	--	--	11.8	Jul-19
Cressey & Company Fund VI	4,543,163	0.5	3.3	-3.2	1.2	37.8	32.6	--	--	20.7	Jan-19
Marlin Heritage Europe II, L.P.	4,430,392	0.4	3.2	-1.8	7.2	-0.8	--	--	--	-6.5	Oct-20
Khosla Ventures VII	3,717,393	0.4	2.7	-0.3	10.4	8.8	--	--	--	4.4	Jan-21

Adams Street includes Adams Street 2005, Adams Street 2007, and Adams Street 2011.

Pantheon II Includes Pantheon US Fund IX, Pantheon Asia Fund VI, and Pantheon Europe Fund VII.

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
GTCR Fund XIII/A & B	3,538,346	0.4	2.6								
TCV XI	3,442,885	0.3	2.5	-6.8	5.2	4.7	--	--	--	-0.7	Feb-21
Genstar Capital Partners X	3,438,436	0.3	2.5								
Pantheon II	3,359,047	0.3	2.4	-6.9	-9.6	-7.1	17.4	16.7	14.7	13.7	Dec-11
Summit Partners Venture Capital Fund V-A	2,415,068	0.2	1.8								
Spark Capital VI	2,357,515	0.2	1.7	5.1	11.0	13.4	--	--	--	-2.0	Mar-20
Accel-KKR Capital Partners VI	2,112,161	0.2	1.5								
Nautic Partners X	1,971,999	0.2	1.4								
Invesco VI	1,405,531	0.1	1.0	-15.4	-20.6	39.7	52.0	36.5	--	24.0	Jun-13
Khosla Ventures Seed E	1,265,129	0.1	0.9								
TCV Velocity Fund I	1,025,614	0.1	0.7								
Spark Capital Growth Fund IV	817,250	0.1	0.6								
Spark Capital VII	689,817	0.1	0.5								
Accel-KKR Growth Capital Partners IV	662,058	0.1	0.5								
Summit Partners Growth Equity Fund XI-A	479,633	0.0	0.3								
GTCR Strategic Growth Fund I/A&B LP	132,970	0.0	0.1								
Pantheon Secondary	112,621	0.0	0.1	-0.7	-3.0	-20.4	-11.3	-4.3	-1.8	0.7	Jun-07
Pantheon I	61,390	0.0	0.0	-11.9	-24.3	-32.4	-21.1	-11.7	-3.4	-1.4	Dec-05
Threshold Ventures IV LP	42,500	0.0	0.0	--	--	--	--	--	--	0.0	Jul-22
Raven Asset Fund II	0	0.0	0.0	--	--	--	--	--	--	--	Aug-14

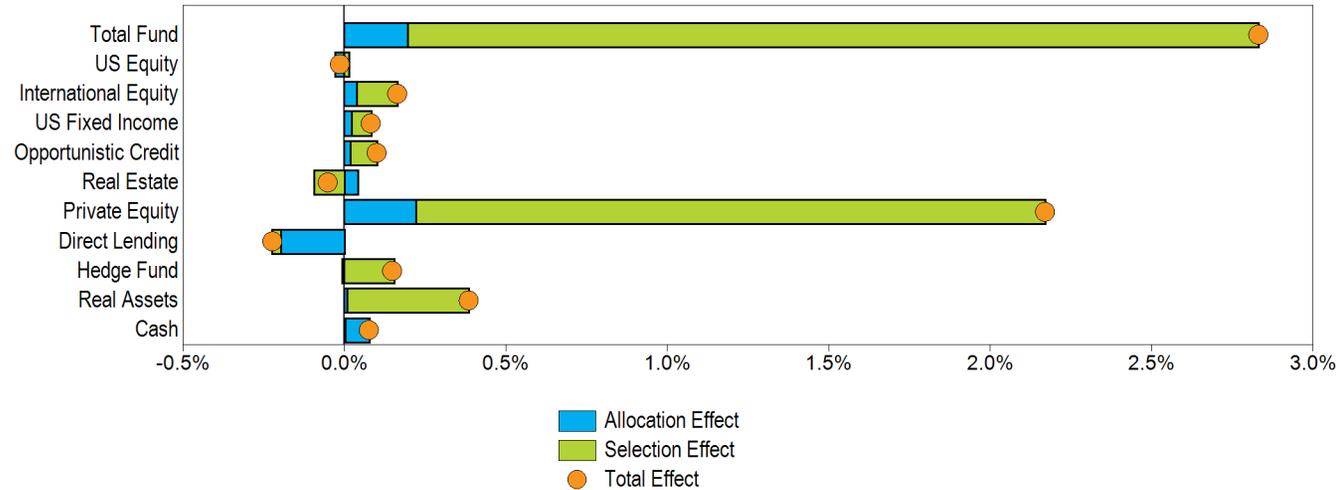
Pantheon I includes Pantheon US Fund VI and Pantheon Europe Fund IV.  
Pantheon Secondary includes Pantheon GLO SEC III B.

## Total Fund | As of September 30, 2022

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
<b>Direct Lending</b>	<b>27,718,829</b>	<b>2.8</b>	<b>2.8</b>	<b>0.2</b>	<b>2.7</b>	<b>3.4</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10.3</b>	<b>Jul-20</b>
<i>S&amp;P LSTA Leverage Loan Index + 2%</i>				1.9	-1.7	-0.5	4.4	5.1	5.6	6.4	Jul-20
AG Direct Lending Fund IV Annex	8,048,360	0.8	29.0								
Silver Point Specialty Credit Fund II, L.P.	6,155,504	0.6	22.2	-2.7	0.2	0.8	--	--	--	9.1	Jul-20
Varagon Capital Direct Lending Fund	5,831,030	0.6	21.0								
Ares Senior Direct Lending Fund II	5,683,935	0.6	20.5								
AG Direct Lending Fund V	2,000,000	0.2	7.2	--	--	--	--	--	--	0.0	Aug-22
<b>Hedge Fund</b>	<b>106,502,378</b>	<b>10.7</b>	<b>10.7</b>	<b>1.2</b>	<b>0.2</b>	<b>0.0</b>	<b>5.6</b>	<b>4.6</b>	<b>--</b>	<b>4.3</b>	<b>Jun-14</b>
<i>Custom Blended Hedge Fund Benchmark</i>				-0.4	-7.0	-6.6	4.1	3.1	--	3.1	Jun-14
<i>InvMetrics All DB Hedge Funds Net Median</i>				-0.4	-9.2	-6.7	3.7	3.7	4.3	3.1	Jun-14
<i>InvMetrics All DB Hedge Funds Net Rank</i>				22	19	16	26	29	--	18	Jun-14
Silver Point Capital	17,914,255	1.8	16.8	3.0	3.3	3.9	14.2	--	--	8.7	Nov-17
Wellington-Archipelago	14,170,958	1.4	13.3	-0.4	-3.2	-0.9	5.1	4.4	--	4.5	Aug-17
Taconic Opportunity Fund	13,368,816	1.3	12.6	-2.0	-4.8	-3.3	2.3	--	--	2.8	Dec-18
Laurion Capital	12,859,126	1.3	12.1	-1.7	-9.3	-13.1	12.3	--	--	10.6	Aug-18
Sculptor (OZ) Domestic II	12,018,550	1.2	11.3	-1.3	-13.4	-15.4	3.7	4.1	--	4.8	Jun-14
Caxton Global Investments	11,616,223	1.2	10.9	3.0	15.7	19.0	--	--	--	11.2	May-21
Marshall Wace Global Opportunities	10,217,073	1.0	9.6	4.1	5.3	2.2	--	--	--	5.4	May-20
Graham Absolute Return	9,930,302	1.0	9.3	6.8	22.3	21.5	8.1	5.9	--	5.9	Aug-17
Marshall Wace Eureka	4,407,074	0.4	4.1	1.9	2.3	3.7	8.6	--	--	6.7	Nov-17
<b>Real Assets</b>	<b>54,058,362</b>	<b>5.5</b>	<b>5.5</b>	<b>1.4</b>	<b>9.7</b>	<b>14.5</b>	<b>11.3</b>	<b>10.0</b>	<b>9.0</b>	<b>--</b>	<b>Mar-99</b>
<i>Custom Blended Real Assets Benchmark</i>				-7.1	-7.9	-7.9	2.1	4.5	--	--	Mar-99
<i>CPI + 5% (Seasonally Adjusted)</i>				1.7	9.9	13.6	10.2	9.0	7.7	--	Mar-99
<i>InvMetrics All DB Real Assets/Commodities Net Median</i>				0.0	3.7	7.1	7.3	7.4	7.6	--	Mar-99
<i>InvMetrics All DB Real Assets/Commodities Net Rank</i>				10	12	17	8	13	26	--	Mar-99

	Market Value (\$)	% of Portfolio	% of Sector	QTD (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
SSgA	12,574,720	1.3	23.3	-5.6	-4.0	0.3	6.9	5.2	--	5.4	Apr-17
<i>Real Asset NL Custom Blended Index</i>				-5.4	-6.0	-1.0	6.9	5.3	--	5.6	Apr-17
<b>Private Infrastructure</b>	<b>25,628,831</b>	<b>2.6</b>	<b>47.4</b>	<b>2.3</b>	<b>7.9</b>	<b>11.1</b>	<b>13.3</b>	<b>12.8</b>	<b>--</b>	<b>9.8</b>	<b>Dec-14</b>
<i>S&amp;P Global Infrastructure TR USD</i>				-9.6	-10.1	-6.0	-0.1	2.1	5.7	3.5	Dec-14
North Haven Infrastructure II	6,005,203	0.6	23.4	11.2	21.8	24.1	11.0	14.1	--	9.2	May-15
ISQ Global Infrastructure Fund II	5,522,751	0.6	21.5	1.5	7.6	13.2	13.7	--	--	2.9	Jul-18
KKR Global II	5,104,097	0.5	19.9	-2.4	-0.3	4.2	25.7	18.7	--	16.2	Dec-14
KKR Global Infrastructure Investors III	3,818,120	0.4	14.9	0.1	8.6	-8.9	-0.9	--	--	-5.8	Jan-19
Ardian Infrastructure Fund V	2,632,540	0.3	10.3	-0.4	-0.8	-3.3	--	--	--	-16.1	Oct-19
KKR Global Infrastructure Investors IV	2,070,050	0.2	8.1								
ISQ Global Infrastructure Fund III	476,070	0.0	1.9								
<b>Private Natural Resources</b>	<b>15,854,811</b>	<b>1.6</b>	<b>29.3</b>	<b>5.4</b>	<b>29.6</b>	<b>38.0</b>	<b>13.7</b>	<b>12.7</b>	<b>--</b>	<b>15.5</b>	<b>Sep-15</b>
<i>S&amp;P Global Natural Resources Index TR USD</i>				-4.6	-5.9	1.0	9.1	5.7	3.4	10.3	Sep-15
EnCap XI	4,685,765	0.5	29.6	16.5	39.4	52.8	5.0	-11.4	--	-11.1	Jul-17
BlackRock Global Energy and Power Infrastructure Fund III LP	3,389,255	0.3	21.4	0.3	5.4	5.4	14.7	--	--	13.9	Jul-19
Tailwater Energy Fund IV, LP	2,485,537	0.3	15.7	-0.7	19.6	29.4	-0.7	--	--	-0.7	Oct-19
Carnelian Energy Capital IV	1,864,881	0.2	11.8								
EnCap IV	1,807,922	0.2	11.4	1.7	134.6	198.8	48.7	--	--	28.4	Feb-18
GSO Energy Opportunities	977,021	0.1	6.2	20.2	38.2	46.0	17.0	14.4	--	16.4	Nov-15
Taurus Mining	412,009	0.0	2.6	17.1	185.1	215.5	40.1	28.8	--	26.8	Sep-15
Taurus Mining Annex	232,420	0.0	1.5	5.0	43.1	52.4	24.9	22.6	--	26.7	Jan-17
<b>Cash</b>	<b>10,300,361</b>	<b>1.0</b>	<b>1.0</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>	<b>0.7</b>	<b>--</b>	<b>--</b>	
Cash	8,324,272	0.8	80.8	0.4	0.4	0.4	0.6	1.0	0.8	--	Sep-03
Treasury Cash	1,976,088	0.2	19.2								

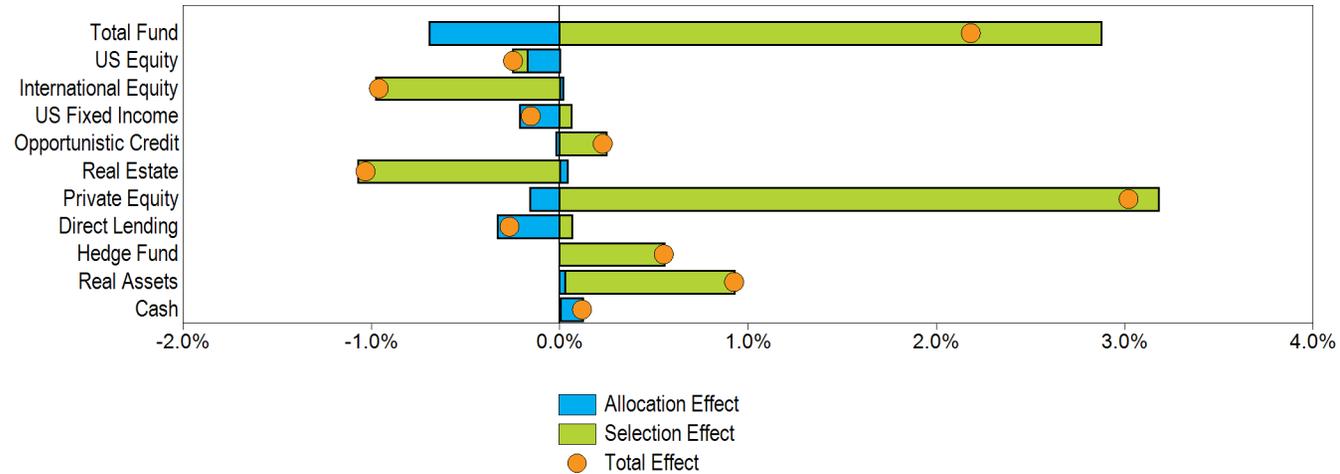
#### Attribution Effects 3 Months Ending September 30, 2022



3 Months Ending September 30, 2022							
	Policy Weight	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
US Equity	22.0%	-4.4%	-4.5%	0.1%	0.0%	0.0%	0.0%
International Equity	19.0%	-9.5%	-10.2%	0.7%	0.1%	0.0%	0.2%
US Fixed Income	11.0%	-4.3%	-4.8%	0.4%	0.1%	0.0%	0.1%
Opportunistic Credit	5.0%	-0.7%	-2.2%	1.6%	0.1%	0.0%	0.1%
Real Estate	8.0%	-0.7%	0.5%	-1.2%	-0.1%	0.0%	-0.1%
Private Equity	15.0%	-0.2%	-15.1%	15.0%	1.9%	0.2%	2.2%
Direct Lending	5.0%	0.2%	1.9%	-1.7%	0.0%	-0.2%	-0.2%
Hedge Fund	10.0%	1.2%	-0.4%	1.6%	0.2%	0.0%	0.1%
Real Assets	5.0%	1.4%	-7.1%	8.5%	0.4%	0.0%	0.4%
Cash	0.0%	0.3%	0.5%	-0.1%	0.0%	0.1%	0.1%
<b>Total</b>	<b>100.0%</b>	<b>-3.2%</b>	<b>-6.0%</b>	<b>2.8%</b>	<b>2.6%</b>	<b>0.2%</b>	<b>2.8%</b>

The performance calculation methodology in attribution tables is different from the standard time weighted returns (geometric linkage of monthly returns) found throughout the rest of the report. In attribution tables, the average weight of each asset class (over the specified time period) is multiplied by the time period performance of that asset class and summed. Values may not sum due to rounding.

#### Attribution Effects 1 Year Ending September 30, 2022



1 Year Ending September 30, 2022							
	Policy Weight	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
US Equity	22.0%	-18.0%	-17.6%	-0.3%	-0.1%	-0.2%	-0.2%
International Equity	19.0%	-30.1%	-26.0%	-4.1%	-1.0%	0.0%	-1.0%
US Fixed Income	11.0%	-14.2%	-14.6%	0.4%	0.1%	-0.2%	-0.2%
Opportunistic Credit	5.0%	-7.4%	-11.5%	4.1%	0.2%	0.0%	0.2%
Real Estate	8.0%	5.6%	22.1%	-16.5%	-1.1%	0.0%	-1.0%
Private Equity	15.0%	19.6%	-12.7%	32.4%	3.2%	-0.2%	3.0%
Direct Lending	5.0%	3.4%	-0.5%	3.9%	0.1%	-0.3%	-0.3%
Hedge Fund	10.0%	0.0%	-6.6%	6.6%	0.6%	0.0%	0.6%
Real Assets	5.0%	14.5%	-7.9%	22.3%	0.9%	0.0%	0.9%
Cash	0.0%	0.4%	0.6%	-0.2%	0.0%	0.1%	0.1%
<b>Total</b>	<b>100.0%</b>	<b>-10.3%</b>	<b>-12.4%</b>	<b>2.2%</b>	<b>2.9%</b>	<b>-0.7%</b>	<b>2.2%</b>

The performance calculation methodology in attribution tables is different from the standard time weighted returns (geometric linkage of monthly returns) found throughout the rest of the report. In attribution tables, the average weight of each asset class (over the specified time period) is multiplied by the time period performance of that asset class and summed. Values may not sum due to rounding.

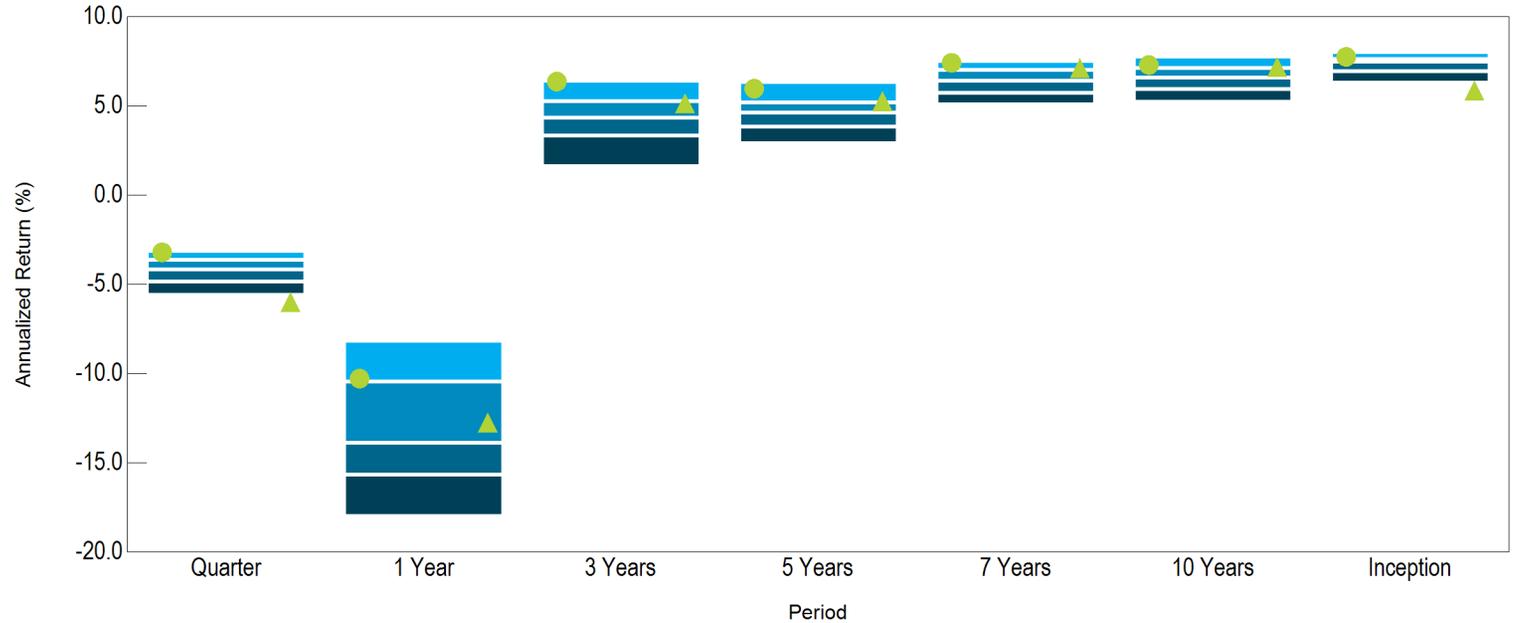
Benchmark History		
As of September 30, 2022		
<b>Total Fund</b>		
1/1/2022	Present	22% Russell 3000 / 11% Custom Blended Developed International Equity BM / 8% Custom Blended Emerging Markets Benchmark / 11% BBgBarc US Aggregate TR / 10% Custom Blended Hedge Fund Benchmark / 15% Custom Private Equity Benchmark / 5% S&P LSTA Leverage Loan Index + 2% / 5% Custom Blended Real Assets Benchmark / 8% Custom Blended Real Estate Benchmark / 5% 50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans
1/1/2020	12/31/2021	21% Russell 3000 / 10% Custom Blended Developed International Equity BM / 8% Custom Blended Emerging Markets Benchmark / 18% BBgBarc US Aggregate TR / 10% Custom Blended Hedge Fund Benchmark / 15% Custom Private Equity Benchmark / 5% Custom Blended Real Assets Benchmark / 8% Custom Blended Real Estate Benchmark / 5% 50% Barclays US Aggregate / 25% Barclays US High Yield / 25% Credit Suisse Leveraged Loans
<b>US Equity</b>		
1/1/2020	Present	Russell 3000
<b>International Equity</b>		
1/1/2019	Present	56% MSCI EAFE Gross / 44% MSCI Emerging Markets Gross
1/1/2017	12/31/2018	69.56% MSCI EAFE Gross / 30.44% MSCI Emerging Markets Gross
7/1/2013	12/31/2016	MSCI ACWI ex USA Gross
<b>US Fixed Income</b>		
1/1/2020	Present	Bloomberg US Aggregate TR
3/1/2018	12/31/2019	77.27% Bloomberg US Aggregate TR / 22.73% Bloomberg US Govt 1-5 Yr TR
1/1/2017	2/28/2018	77.27% Bloomberg US Aggregate TR / 22.73% Credit Suisse Leveraged Loans
8/1/2014	12/31/2016	71.93% Bloomberg US Aggregate TR / 17.54% ICE BofA US High Yield TR / 10.53% Credit Suisse Leveraged Loans
<b>Hedge Fund</b>		
7/1/2017	Present	100% HFRI Fund of Funds Composite Index
1/1/2015	6/30/2017	50% HFRI Fund of Funds Composite Index / 50% HFRI RV: Multi-Strategy Index
<b>Real Assets</b>		
1/1/2022	Present	50% S&P Global Natural Resources Index TR USD / 50% S&P Global Infrastructure TR USD
1/1/2020	12/31/2021	50% Cambridge Infrastructure (1 Quarter Lagged) / 50% Cambridge Energy Upstream & Royalties & Private Energy (1 Quarter Lagged)
3/31/1999	12/31/2019	Real Asset Custom

Benchmark History		
As of September 30, 2022		
SSgA		
4/30/2017	Present	25% Bloomberg Roll Select Commodities Index TR USD / 25% S&P Global LargeMidCap Commodity and Resources NR USD / 10% S&P Global Infrastructure TR USD / 15% DJ US Select REIT TR USD / 25% Bloomberg US TIPS TR

**Statistics Summary**  
5 Years Ending September 30, 2022

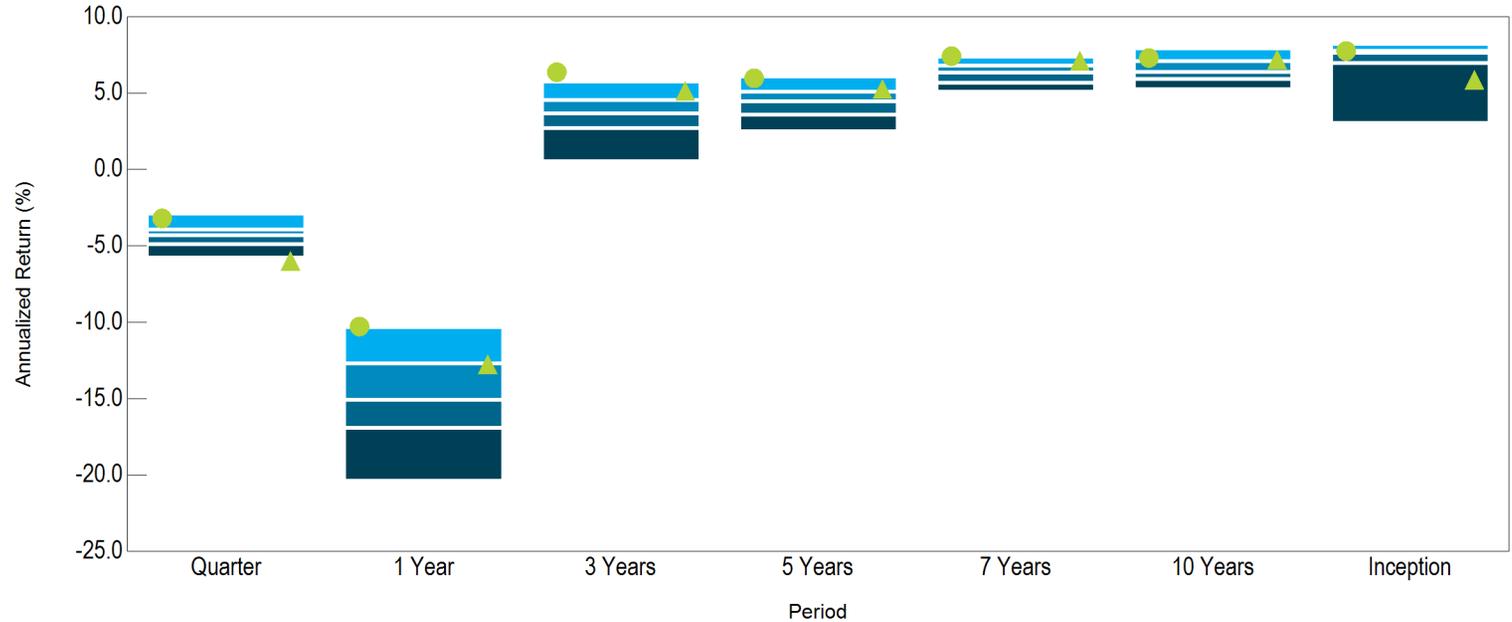
	Anlzd Return	Anlzd Standard Deviation	Information Ratio	Beta	Sharpe Ratio	Tracking Error
Total Fund	5.96%	9.23%	0.25	1.02	0.53	2.73%
Policy Index	5.27%	8.67%	--	1.00	0.48	0.00%
InvMetrics Public DB \$250mm-\$1B Net Median	4.47%	11.46%	-0.11	1.00	0.29	1.21%

InvMetrics Public DB \$500mm-\$5B Net Return Comparison  
Ending September 30, 2022



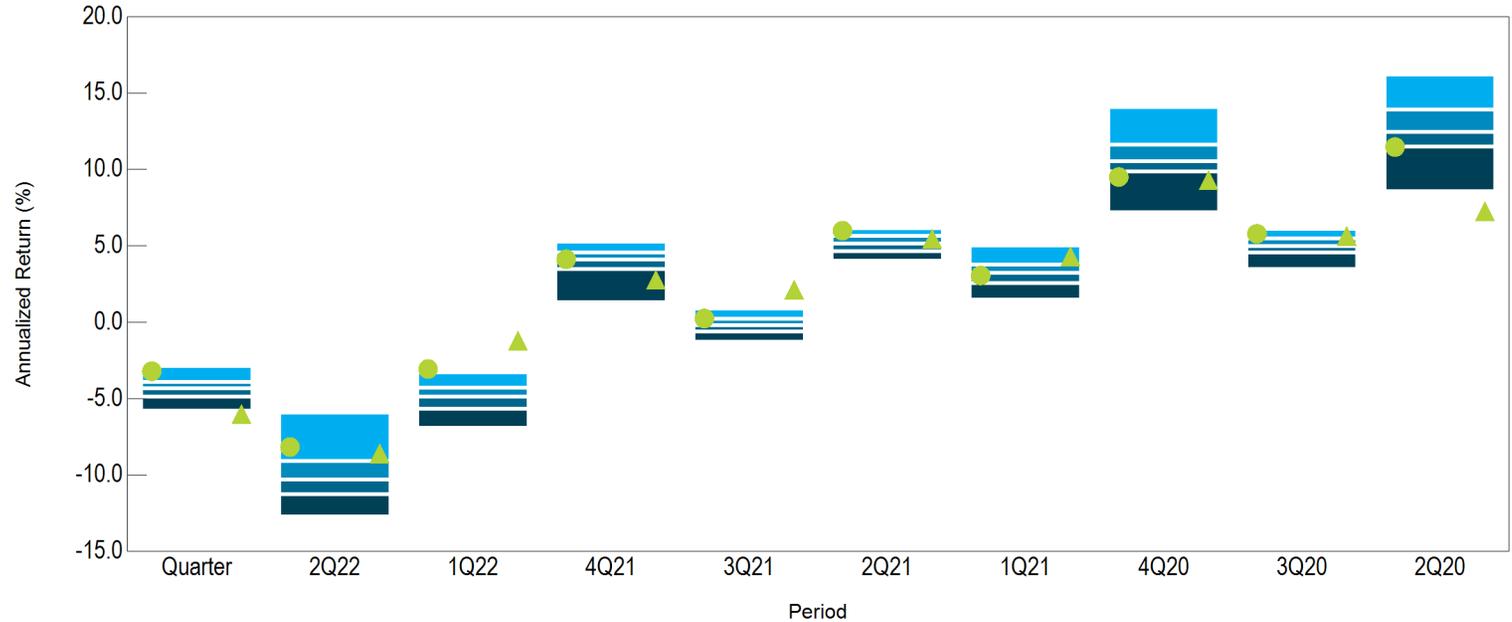
	Quarter		1 Year		3 Years		5 Years		7 Years		10 Years		Inception	
<b>5th Percentile</b>	-3.1		-8.2		6.4		6.3		7.5		7.8		8.0	
<b>25th Percentile</b>	-3.6		-10.4		5.3		5.2		7.0		7.1		7.6	
<b>Median</b>	-4.1		-13.9		4.3		4.7		6.4		6.6		7.5	
<b>75th Percentile</b>	-4.8		-15.6		3.4		3.9		5.7		6.0		7.0	
<b>95th Percentile</b>	-5.6		-18.0		1.7		2.9		5.1		5.3		6.3	
<b># of Portfolios</b>	57		57		57		55		55		50		23	
<b>● Total Fund</b>	-3.2	(7)	-10.3	(21)	6.4	(6)	6.0	(13)	7.4	(11)	7.3	(18)	7.7	(15)
<b>▲ Policy Index</b>	-6.0	(99)	-12.7	(40)	5.1	(29)	5.3	(25)	7.1	(21)	7.2	(23)	5.9	(97)

**InvMetrics Public DB \$250mm-\$1B Net Return Comparison**  
Ending September 30, 2022



	Quarter		1 Year		3 Years		5 Years		7 Years		10 Years		Inception	
<b>5th Percentile</b>	-2.9	-10.4	5.7	6.1	7.4	7.9	8.2							
<b>25th Percentile</b>	-3.9	-12.7	4.6	5.1	6.8	7.1	7.8							
<b>Median</b>	-4.3	-15.0	3.7	4.5	6.4	6.4	7.7							
<b>75th Percentile</b>	-4.9	-16.9	2.7	3.6	5.7	6.0	7.0							
<b>95th Percentile</b>	-5.8	-20.4	0.5	2.5	5.1	5.3	3.1							
<b># of Portfolios</b>	67	67	67	64	60	58	17							
<b>● Total Fund</b>	-3.2 (9)	-10.3 (5)	6.4 (3)	6.0 (7)	7.4 (4)	7.3 (15)	7.7 (33)							
<b>▲ Policy Index</b>	-6.0 (97)	-12.7 (27)	5.1 (12)	5.3 (18)	7.1 (12)	7.2 (22)	5.9 (89)							

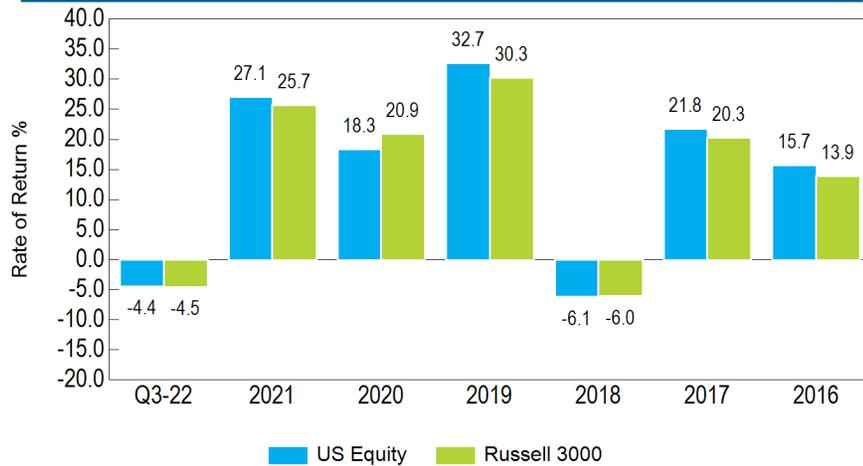
**InvMetrics Public DB \$250mm-\$1B Net Return Comparison**  
Ending September 30, 2022



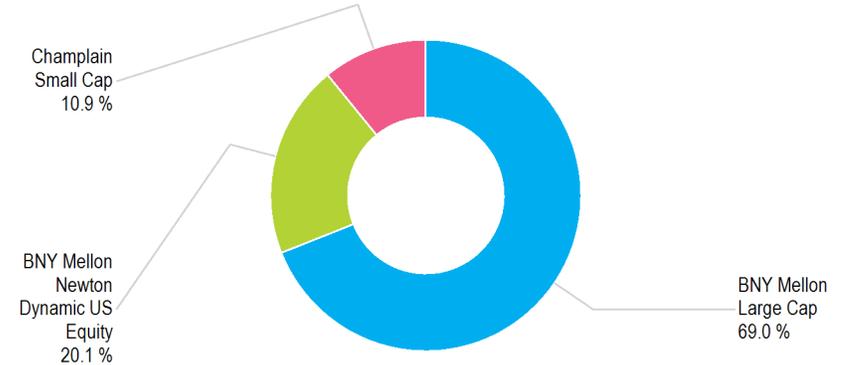
**Return (Rank)**

<b>5th Percentile</b>	-2.9	-5.9	-3.3	5.3	0.9	6.1	5.0	14.1	6.1	16.2
<b>25th Percentile</b>	-3.9	-9.0	-4.2	4.6	0.3	5.7	3.8	11.6	5.5	13.9
<b>Median</b>	-4.3	-10.3	-4.9	4.2	-0.2	5.2	3.3	10.5	5.0	12.5
<b>75th Percentile</b>	-4.9	-11.2	-5.6	3.5	-0.6	4.7	2.6	9.9	4.6	11.5
<b>95th Percentile</b>	-5.8	-12.7	-6.9	1.4	-1.3	4.1	1.5	7.2	3.5	8.6
<b># of Portfolios</b>	67	76	77	81	85	89	76	80	75	79
<b>● Total Fund</b>	-3.2 (9)	-8.2 (15)	-3.1 (3)	4.1 (52)	0.2 (26)	6.0 (10)	3.1 (64)	9.5 (79)	5.8 (17)	11.5 (77)
<b>▲ Policy Index</b>	-6.0 (97)	-8.6 (19)	-1.2 (2)	2.8 (93)	2.1 (1)	5.5 (38)	4.3 (10)	9.3 (80)	5.6 (20)	7.3 (98)

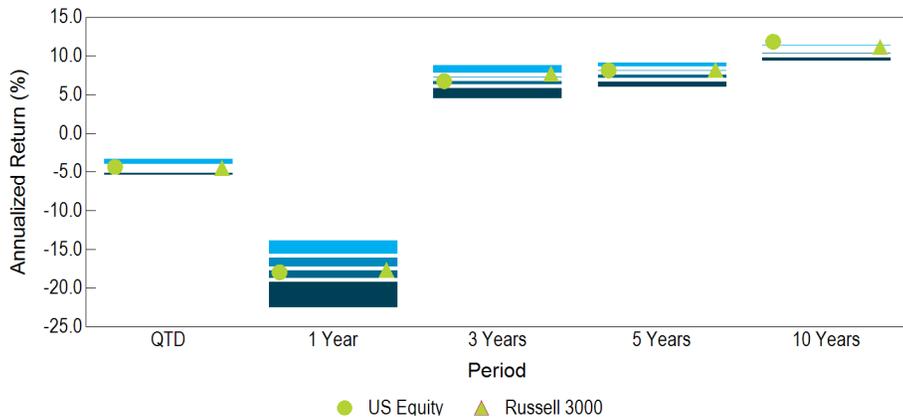
#### Return Summary



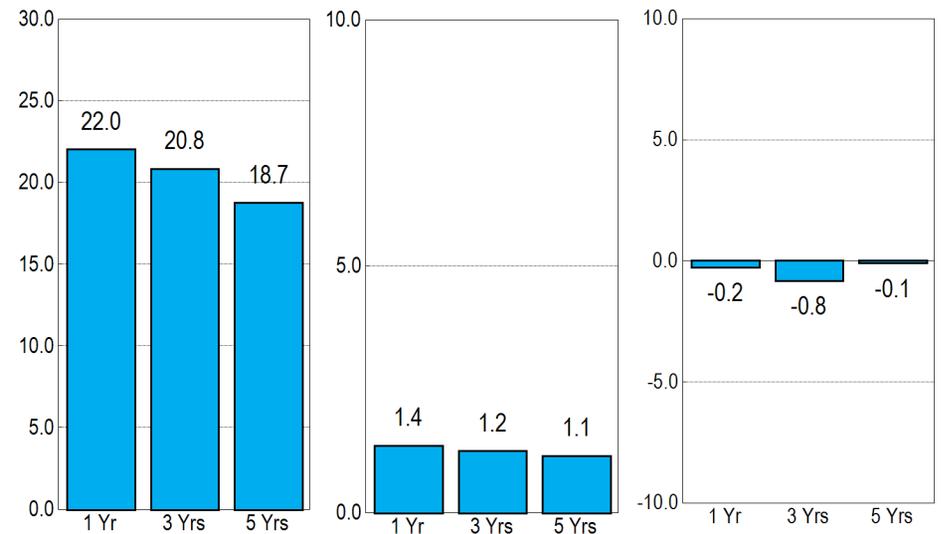
#### Current Allocation



	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>US Equity</b>	<b>-4.4</b>	<b>-18.0</b>	<b>6.7</b>	<b>8.1</b>	<b>11.8</b>
<i>Russell 3000</i>	<i>-4.5</i>	<i>-17.6</i>	<i>7.7</i>	<i>8.2</i>	<i>11.2</i>
<i>InvMetrics All DB US Eq Net Median</i>	<i>-4.5</i>	<i>-17.4</i>	<i>7.1</i>	<i>7.9</i>	<i>10.6</i>
<i>InvMetrics All DB US Eq Net Rank</i>	<i>34</i>	<i>61</i>	<i>61</i>	<i>39</i>	<i>4</i>



#### Anzld. Std. Deviation | Tracking Error | Information Ratio



US Equity Characteristics vs Russell 3000		
	Portfolio Q3-22	Index Q3-22
<b>Characteristics</b>		
Weighted Avg. Market Cap. (\$B)	388.6	402.3
Median Market Cap (\$B)	15.7	2.3
P/E Ratio	18.3	17.5
Yield	1.7	1.8
EPS Growth - 5 Yrs.	17.0	17.6
Price to Book	3.6	3.5

US Equity Sector Distribution vs Russell 3000		
	Portfolio Q3-22	Index Q3-22
<b>Sector Distribution</b>		
Energy	4.0	4.2
Materials	2.7	2.8
Industrials	9.3	9.0
Consumer Discretionary	10.6	11.4
Consumer Staples	7.1	6.3
Health Care	14.8	15.1
Financials	11.4	11.8
Information Technology	24.0	25.4
Communication Services	6.9	7.5
Utilities	2.5	3.0
Real Estate	2.7	3.4

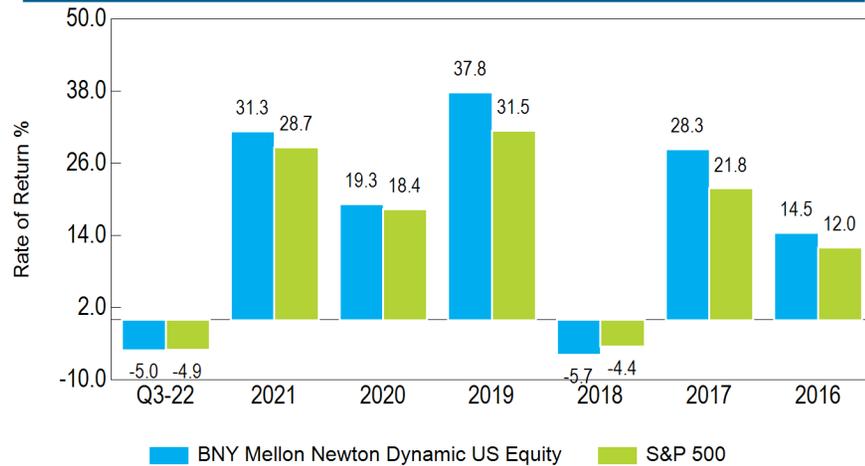
Top Holdings	
APPLE INC	5.7%
MICROSOFT CORP	4.7%
AMAZON.COM INC	2.7%
TESLA INC	1.9%
ALPHABET INC	1.6%
ALPHABET INC	1.4%
BERKSHIRE HATHAWAY INC	1.3%
UNITEDHEALTH GROUP INC	1.3%
JOHNSON & JOHNSON	1.2%
EXXON MOBIL CORP	1.0%

Best Performers	
	Return %
SIGNIFY HEALTH INC CL A CL A	111.2%
FIRST SOLAR INC	94.1%
WINGSTOP INC	68.0%
WOLFSPEED INC	62.9%
PENUMBRA INC	52.3%
OAK STREET HEALTH INC	49.1%
SAREPTA THERAPEUTICS INC	47.5%
TRADE DESK INC (THE)	42.6%
NUTANIX INC	42.4%
ENPHASE ENERGY INC	42.1%

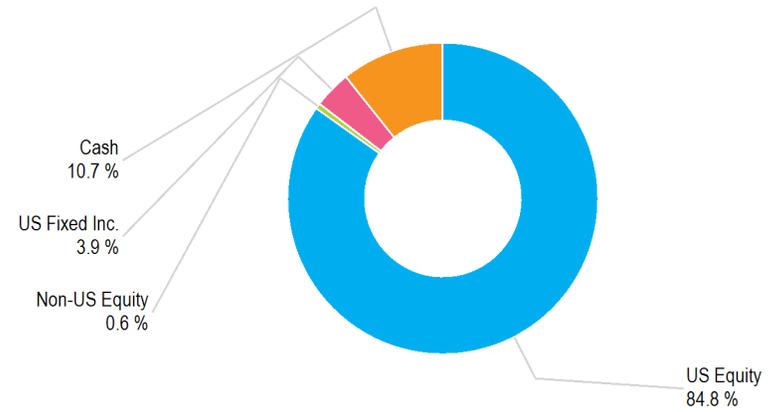
Worst Performers	
	Return %
NOVAVAX INC	-64.6%
SPECTRUM BRANDS HOLDINGS INC	-52.1%
ARGO GROUP INTERNATIONAL HOLDINGS LTD	-46.9%
SCOTTS MIRACLE-GRO CO (THE)	-45.4%
APPLOVIN CORP	-43.4%
AZENTA INC	-40.6%
NCR CORP	-38.9%
CERTARA INC	-38.1%
OKTA INC	-37.1%
10X GENOMICS INC	-37.1%

### BNY Mellon Newton Dynamic US Equity | As of September 30, 2022

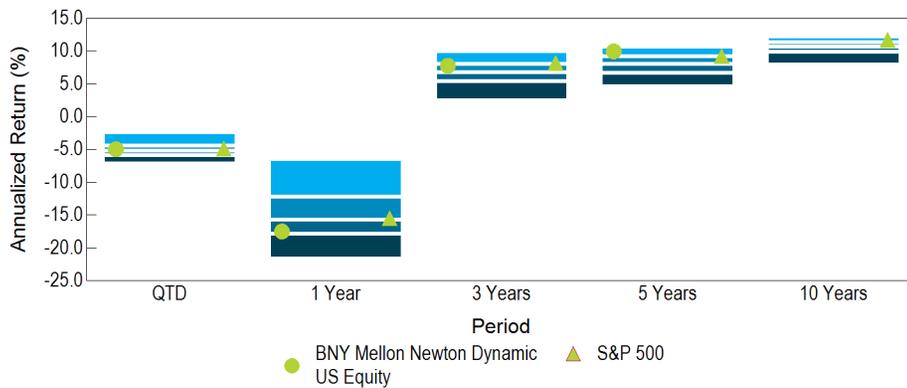
#### Return Summary



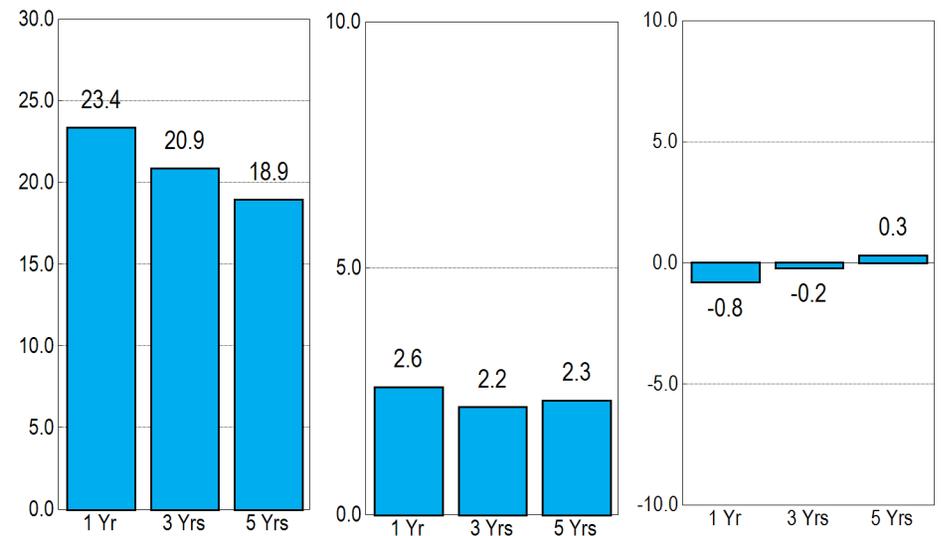
#### Current Allocation



	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
BNY Mellon Newton Dynamic US Equity	-5.0	-17.5	7.8	9.9	--
S&P 500	-4.9	-15.5	8.2	9.2	11.7
eV US Large Cap Core Equity Net Median	-5.1	-15.6	6.9	8.1	10.7
eV US Large Cap Core Equity Net Rank	46	72	31	14	--



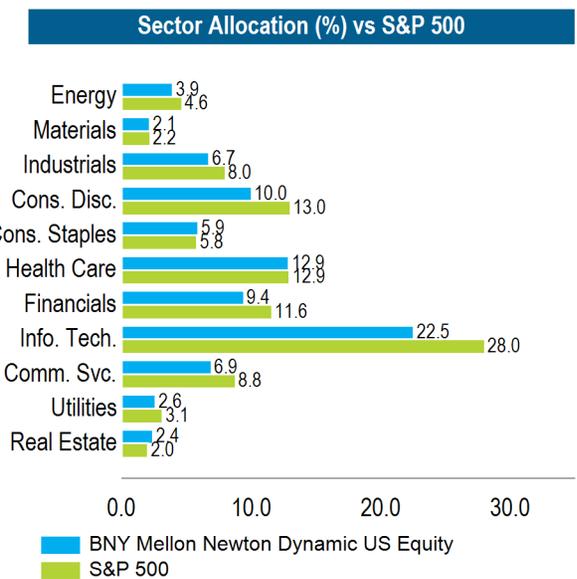
#### Anzld. Std. Deviation | Tracking Error | Information Ratio



### BNY Mellon Newton Dynamic US Equity | As of September 30, 2022

Account Information	
Account Name	BNY Mellon Newton Dynamic US Equity
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	12/31/12
Account Type	US Equity
Benchmark	S&P 500
Universe	eV US Large Cap Core Equity Net

Account Characteristics	Portfolio	Index
	Q3-22	Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	463.9	468.4
Median Market Cap (\$B)	27.1	27.1
P/E Ratio	18.4	18.6
Yield	1.8	1.8
EPS Growth - 5 Yrs.	17.1	17.0
Price to Book	3.8	3.8



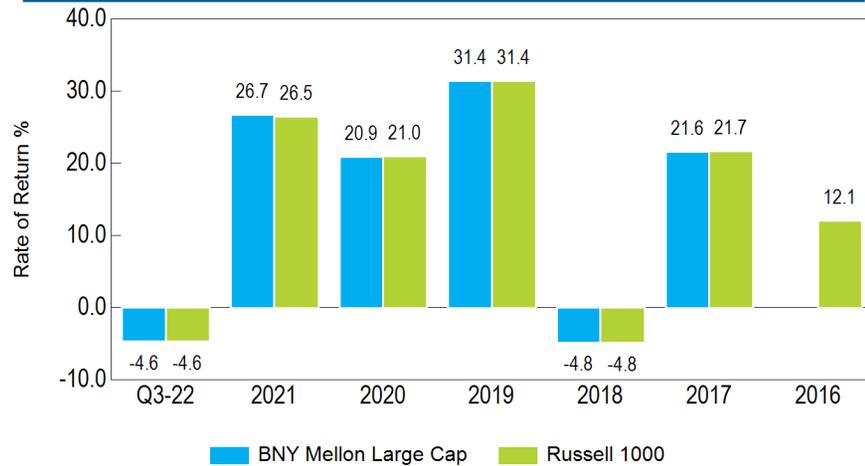
Top Holdings	
APPLE INC	6.9%
MICROSOFT CORP	5.8%
AMAZON.COM INC	3.3%
TESLA INC	2.3%
ALPHABET INC	1.9%
ALPHABET INC	1.7%
BERKSHIRE HATHAWAY INC	1.6%
UNITEDHEALTH GROUP INC	1.6%
JOHNSON & JOHNSON	1.4%
EXXON MOBIL CORP	1.2%

Best Performers	
	Return %
ENPHASE ENERGY INC	42.1%
ETSY INC	36.8%
NETFLIX INC	34.6%
BIOGEN INC	30.9%
CARDINAL HEALTH INC	28.5%
ALBEMARLE CORP	26.7%
PG&E CORP	25.3%
ON SEMICONDUCTOR CORP	23.9%
PAYPAL HOLDINGS INC	23.2%
EPAM SYSTEMS INC	22.9%

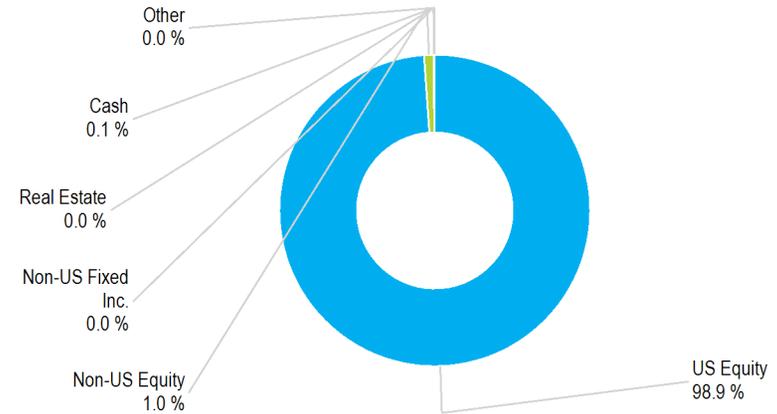
Worst Performers	
	Return %
CHARTER COMMUNICATIONS INC	-35.3%
FEDEX CORP.	-34.2%
CATALENT INC	-32.6%
LUMEN TECHNOLOGIES INC	-31.7%
V.F. CORP	-31.5%
MATCH GROUP INC	-31.5%
INTEL CORP	-30.4%
BALL CORP	-29.5%
NEWMONT CORPORATION	-28.6%
STANLEY BLACK & DECKER INC	-27.6%

Current Allocations do not depict asset class weights based on long/short positions.

#### Return Summary

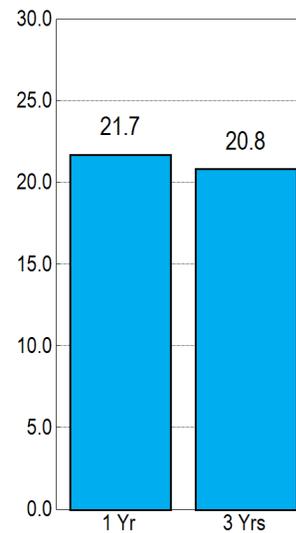


#### Current Allocation

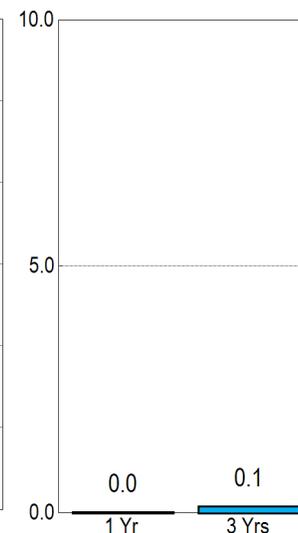


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
BNY Mellon Large Cap	-4.6	-17.2	8.0	9.0	--
Russell 1000	-4.6	-17.2	7.9	9.0	11.6
eV US Large Cap Core Equity Net Median	-5.1	-15.6	6.9	8.1	10.7
eV US Large Cap Core Equity Net Rank	33	69	27	30	--

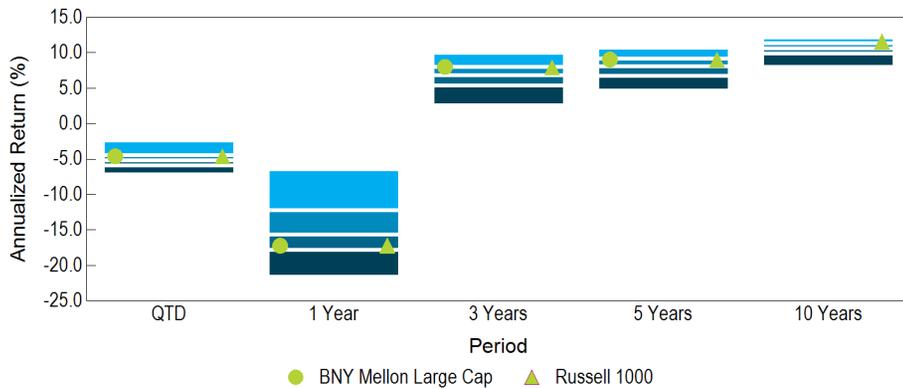
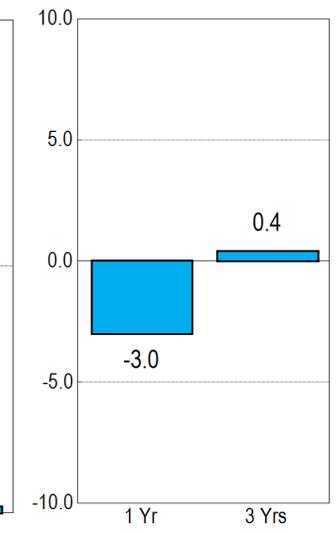
#### Anzld. Std. Deviation



#### Tracking Error

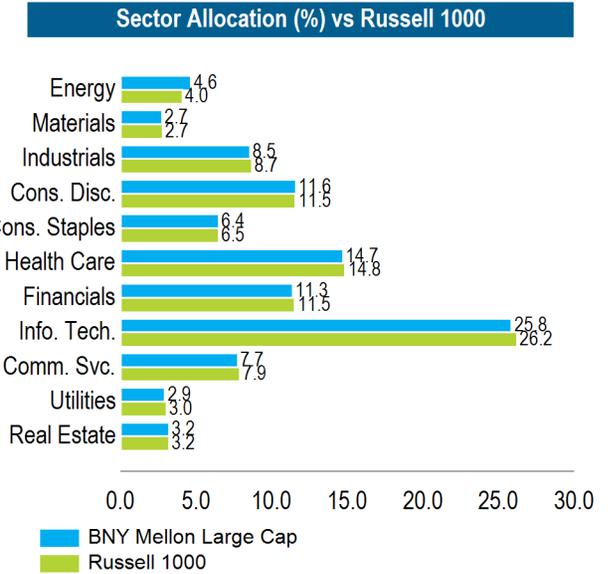


#### Information Ratio



Account Information	
Account Name	BNY Mellon Large Cap
Account Structure	Commingled Fund
Investment Style	Passive
Inception Date	3/31/16
Account Type	US Stock Large
Benchmark	Russell 1000
Universe	eV US Large Cap Core Equity Net

Account Characteristics		
	Portfolio Q3-22	Index Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	424.9	425.7
Median Market Cap (\$B)	12.4	12.4
P/E Ratio	17.8	18.0
Yield	1.8	1.8
EPS Growth - 5 Yrs.	17.7	17.7
Price to Book	3.7	3.7



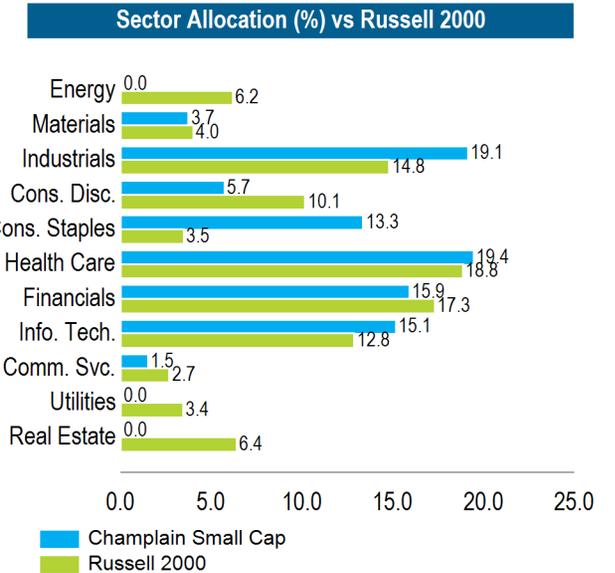
Top Holdings	
APPLE INC	6.3%
MICROSOFT CORP	5.2%
AMAZON.COM INC	3.0%
TESLA INC	2.0%
ALPHABET INC	1.7%
ALPHABET INC	1.5%
BERKSHIRE HATHAWAY INC	1.4%
UNITEDHEALTH GROUP INC	1.4%
JOHNSON & JOHNSON	1.3%
EXXON MOBIL CORP	1.1%

Best Performers	
	Return %
SIGNIFY HEALTH INC CL A CL A	111.2%
FIRST SOLAR INC	94.1%
WOLFSPEED INC	62.9%
PENUMBRA INC	52.3%
OAK STREET HEALTH INC	49.1%
SAREPTA THERAPEUTICS INC	47.5%
TRADE DESK INC (THE)	42.6%
NUTANIX INC	42.4%
ENPHASE ENERGY INC	42.1%
DICK'S SPORTING GOODS INC.	39.4%

Worst Performers	
	Return %
NOVAVAX INC	-64.6%
SPECTRUM BRANDS HOLDINGS INC	-52.1%
SCOTTS MIRACLE-GRO CO (THE)	-45.4%
APPLOVIN CORP	-43.4%
AZENTA INC	-40.6%
NCR CORP	-38.9%
CERTARA INC	-38.1%
OKTA INC	-37.1%
10X GENOMICS INC	-37.1%
AVANTOR INC	-37.0%

Account Information	
Account Name	Champlain Small Cap
Account Structure	Mutual Fund
Investment Style	Active
Inception Date	11/01/20
Account Type	
Benchmark	Russell 2000
Universe	eV US Small Cap Core Equity Net

Account Characteristics		
	Portfolio Q3-22	Index Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	3.4	2.6
Median Market Cap (\$B)	2.5	1.0
P/E Ratio	25.5	11.7
Yield	0.8	1.7
EPS Growth - 5 Yrs.	8.5	15.7
Price to Book	3.0	2.2

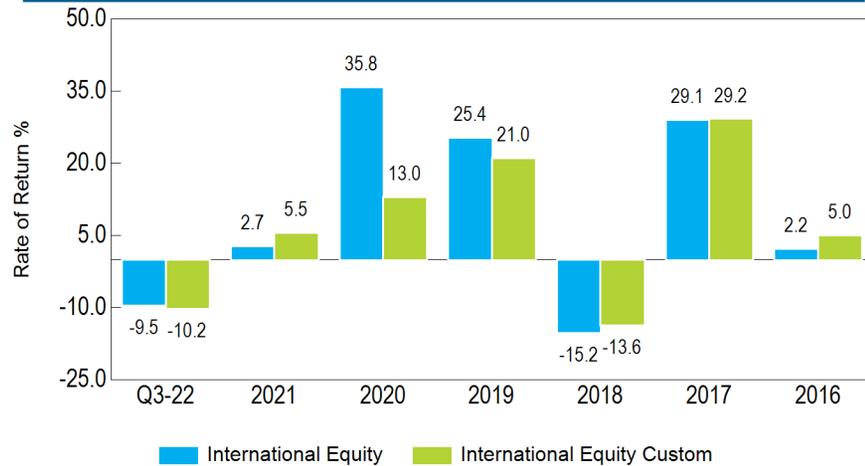


Top Holdings	
CASH - USD	3.2%
PURE STORAGE INC	3.1%
MSA SAFETY INC	2.8%
PENUMBRA INC	2.7%
JOHN BEAN TECHNOLOGIES CORP	2.6%
EVOQUA WATER TECHNOLOGIES CORP	2.5%
LANCASTER COLONY CORP	2.4%
NEW RELIC INC	2.3%
GLOBUS MEDICAL INC	2.2%
WORKIVA INC	2.2%

Best Performers	
	Return %
WINGSTOP INC	68.0%
PENUMBRA INC	52.3%
TRANSCAT INC	33.2%
SI-BONE INC	32.3%
PALOMAR HOLDINGS INC	30.0%
AXONICS INC	24.3%
E.L.F. BEAUTY INC	22.6%
WORKIVA INC	17.9%
LANCASTER COLONY CORP	17.2%
CSW INDUSTRIALS INC	16.4%

Worst Performers	
	Return %
ARGO GROUP INTERNATIONAL HOLDINGS LTD	-46.9%
BLACKBAUD INC	-24.1%
OMNICELL INC	-23.5%
TENABLE HOLDINGS INC	-23.4%
WOLVERINE WORLD WIDE INC.	-23.2%
JOHN BEAN TECHNOLOGIES CORP	-22.0%
INTEGRA LIFESCIENCES HOLDINGS CORP	-21.6%
JOHN WILEY & SONS INC.	-20.8%
TANDEM DIABETES CARE INC	-19.2%
VERACYTE INC	-16.6%

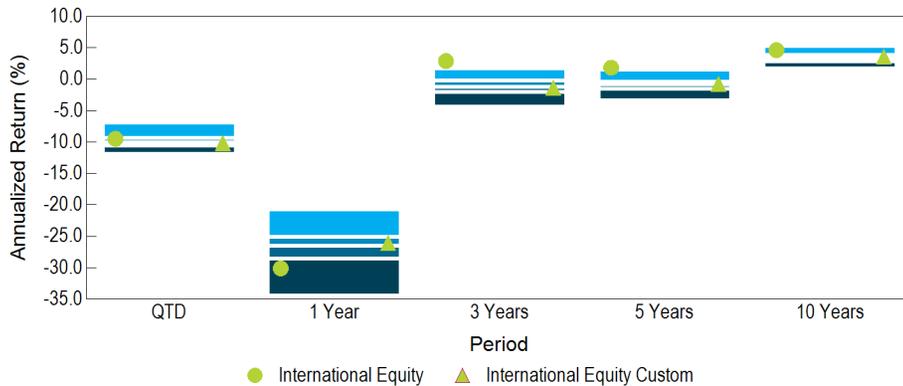
#### Return Summary



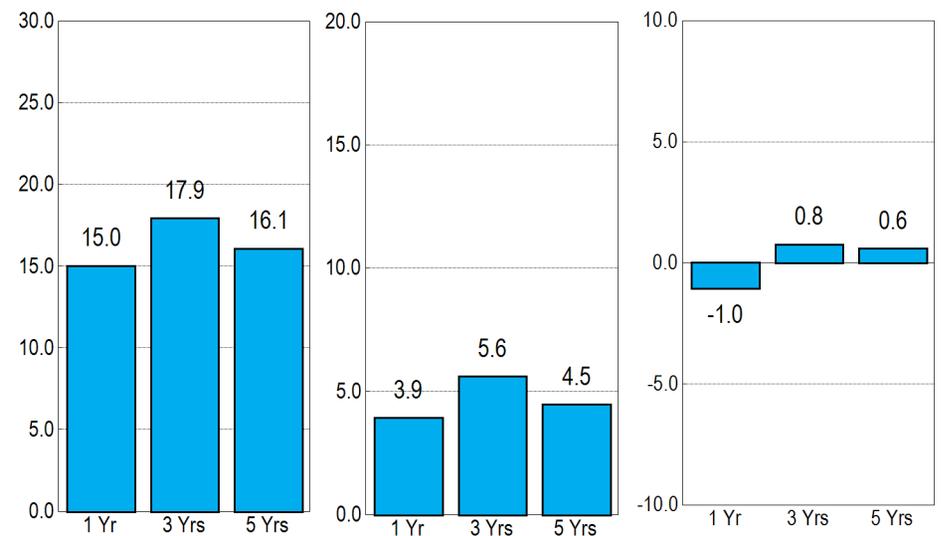
#### Current Allocation



	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>International Equity</b>	<b>-9.5</b>	<b>-30.1</b>	<b>2.9</b>	<b>1.8</b>	<b>4.6</b>
<i>International Equity Custom</i>	<i>-10.2</i>	<i>-26.0</i>	<i>-1.4</i>	<i>-0.8</i>	<i>3.6</i>
<i>InvMetrics All DB ex-US Eq Net Median</i>	<i>-10.0</i>	<i>-26.4</i>	<i>-1.2</i>	<i>-0.8</i>	<i>3.4</i>
<i>InvMetrics All DB ex-US Eq Net Rank</i>	<i>31</i>	<i>86</i>	<i>4</i>	<i>5</i>	<i>9</i>



#### Anzld. Std. Deviation      Tracking Error      Information Ratio



International Equity Characteristics vs MSCI ACWI ex USA		
	Portfolio Q3-22	Index Q3-22
<b>Characteristics</b>		
Weighted Avg. Market Cap. (\$B)	65.3	71.1
Median Market Cap (\$B)	0.6	7.8
P/E Ratio	13.7	11.4
Yield	2.9	3.7
EPS Growth - 5 Yrs.	16.8	12.5
Price to Book	2.9	2.4

International Equity Sector Distribution vs MSCI ACWI ex USA		
	Portfolio Q3-22	Index Q3-22
<b>Sector Distribution</b>		
Energy	3.2	6.2
Materials	7.9	8.2
Industrials	7.2	12.1
Consumer Discretionary	16.5	11.2
Consumer Staples	13.2	9.4
Health Care	7.5	9.8
Financials	9.9	20.7
Information Technology	15.9	10.8
Communication Services	11.3	6.1
Utilities	0.4	3.4
Real Estate	3.3	2.4

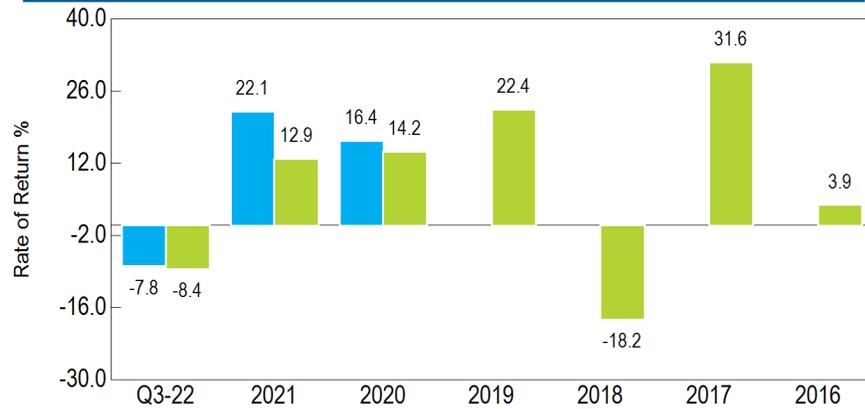
Top Holdings	
INDOSAT	4.1%
SUMBER ALFARIA TRIJAYA	4.0%
MERCADOLIBRE INC	2.6%
MEITUAN DIANPING USD0.00001 A B CLASS ISIN KYG596691041	2.4%
AIRBNB INC	2.4%
NVIDIA CORPORATION	2.4%
SEA LIMITED	2.2%
CROWDSTRIKE HOLDINGS INC	1.9%
VISA INC	1.8%
ADYEN N.V	1.7%

Best Performers	
	Return %
HUSTEEL	498.1%
GLOBALTRANS INVESTMENT PLC	143.9%
FULLSHARE HOLDINGS LTD	99.1%
WHITEHAVEN COAL	82.9%
MICRO FOCUS INTERNATIONAL PLC	74.5%
NEW HOPE CORPORATION LTD	70.0%
TSUBURAYA FIELDS HOLDINGS INC	65.6%
SOK MARKETLER TICARET A.S.	62.7%
M DIAS BRANCO INDUSTRIA ON	62.4%
PORTOBELLO ON	61.7%

Worst Performers	
	Return %
BOULE DIAGNOSTICS AB	-61.4%
ATENTO SA	-59.6%
SYNTHOMER PLC	-56.6%
ALLIANCE PHARMA	-55.4%
JASTRZEBSKA SPOLKA WEGLOWA SA	-52.9%
SWEDENCARE AB	-52.2%
GRIEG SEAFOOD	-52.1%
HARVIA OYJ	-51.4%
Relais Group Oyj	-51.3%
TECNOTREE CORP	-51.2%

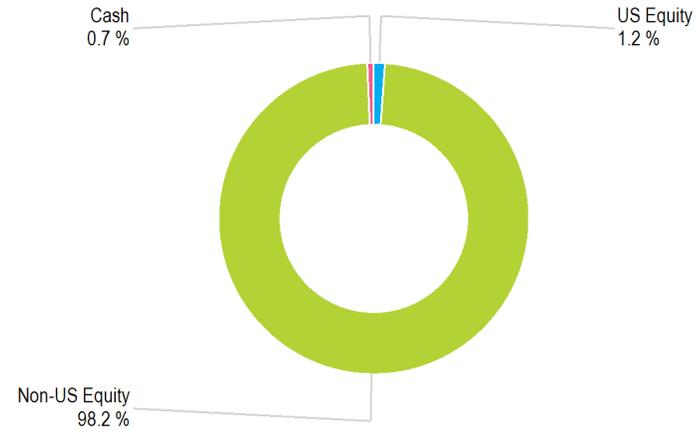
### Acadian ACWI ex U.S. Small Cap Equity | As of September 30, 2022

#### Return Summary



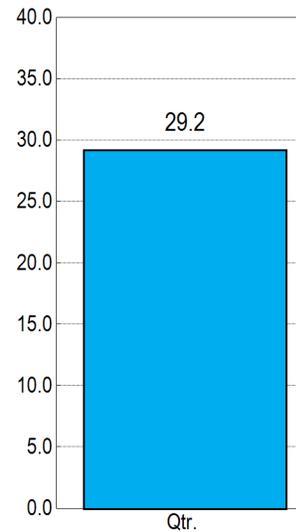
■ Acadian ACWI ex U.S. Small Cap Equity ■ MSCI ACWI ex US Small Cap

#### Current Allocation

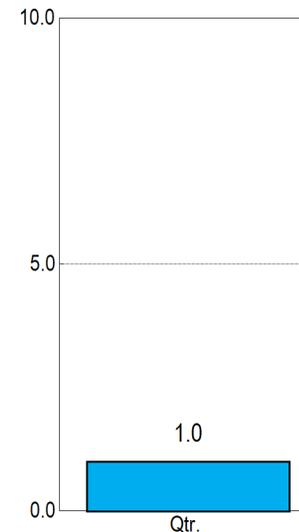


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Acadian ACWI ex U.S. Small Cap Equity	-7.8	-22.0	6.6	--	--
MSCI ACWI ex US Small Cap	-8.4	-28.9	0.4	-0.6	4.4
eV ACWI ex-US Small Cap Equity Net Median	-8.9	-31.7	0.4	-0.6	5.6
eV ACWI ex-US Small Cap Equity Net Rank	25	9	1	--	--

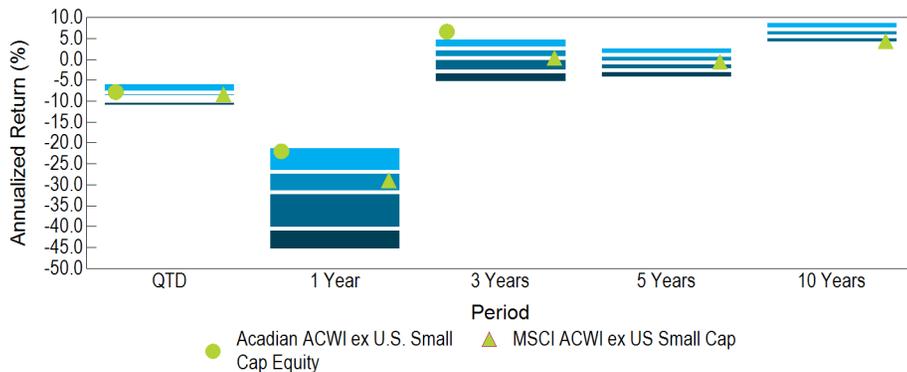
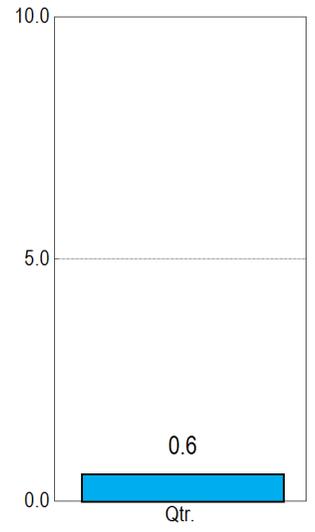
#### Anzld. Std. Deviation



#### Tracking Error



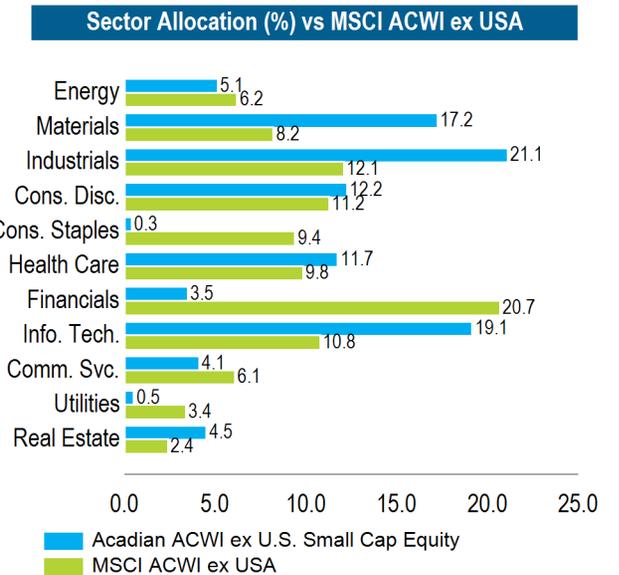
#### Information Ratio



### Acadian ACWI ex U.S. Small Cap Equity | As of September 30, 2022

Account Information	
Account Name	Acadian ACWI ex U.S. Small Cap Equity
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	5/01/19
Account Type	International
Benchmark	MSCI ACWI ex US Small Cap
Universe	eV ACWI ex-US Small Cap Equity Net

Account Characteristics		
	Portfolio Q3-22	Index Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	2.0	2.3
Median Market Cap (\$B)	0.4	1.0
P/E Ratio	6.8	10.4
Yield	5.8	3.5
EPS Growth - 5 Yrs.	19.1	10.1
Price to Book	1.9	2.1

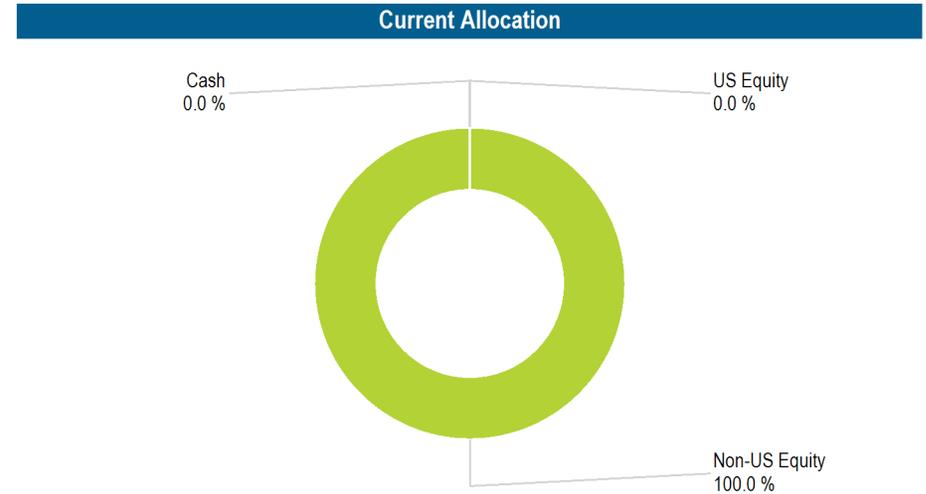
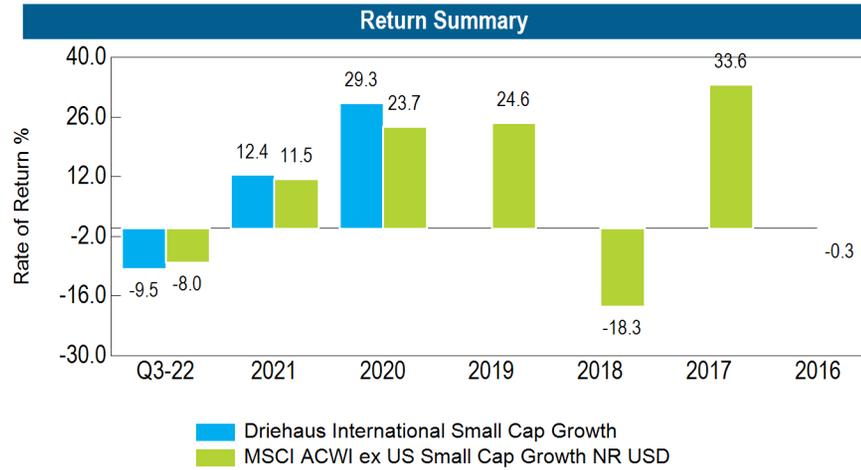


Top Holdings	
INMODE LTD	1.9%
TOURMALINE OIL CORP	1.5%
BRP INC	1.4%
SAUDI INDUSTRIAL INVESTMENT GROUP	1.2%
FARADAY TECHNOLOGY	1.2%
TECAN GROUP AG	0.9%
BRADESPAR PN	0.9%
ACER INCORPORATED	0.8%
LINAMAR CORP	0.8%
BIRCHCLIFF ENERGY LTD	0.8%

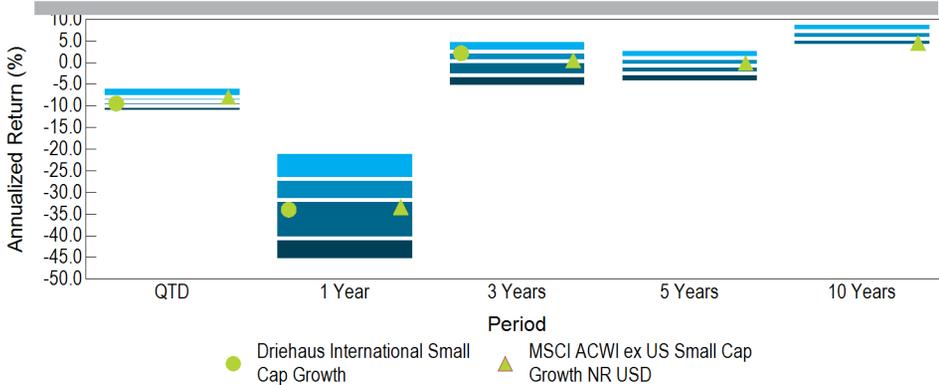
Best Performers	
	Return %
HUSTEEL	498.1%
GLOBALTRANS INVESTMENT PLC	143.9%
FULLSHARE HOLDINGS LTD	99.1%
WHITEHAVEN COAL	82.9%
MICRO FOCUS INTERNATIONAL PLC	74.5%
NEW HOPE CORPORATION LTD	70.0%
TSUBURAYA FIELDS HOLDINGS INC	65.6%
SOK MARKETLER TICARET A.S.	62.7%
PORTOBELLO ON	61.7%
RESOLUTE FOREST PRODUCTS INC	56.7%

Worst Performers	
	Return %
BOULE DIAGNOSTICS AB	-61.4%
ATENTO SA	-59.6%
ALLIANCE PHARMA	-55.4%
JASTRZEBSKA SPOLKA WEGLOWA SA	-52.9%
SWEDENCARE AB	-52.2%
GRIEG SEAFOOD	-52.1%
HARVIA OYJ	-51.4%
Relais Group Oyj	-51.3%
TECNOTREE CORP	-51.2%
PARADE TECHNOLOGIES LTD	-50.8%

### Driehaus International Small Cap Growth | As of September 30, 2022



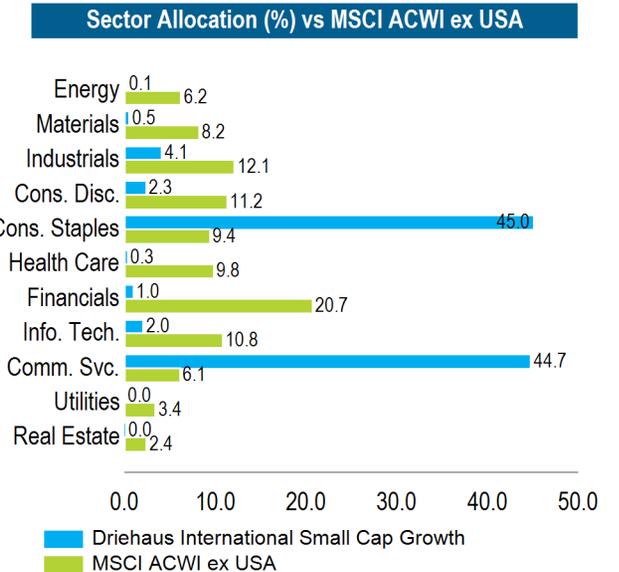
	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Driehaus International Small Cap Growth	-9.5	-34.0	2.1	--	--
MSCI ACWI ex US Small Cap Growth NR USD	-8.0	-33.4	0.5	-0.1	4.5
eV ACWI ex-US Small Cap Equity Net Median	-8.9	-31.7	0.4	-0.6	5.6
eV ACWI ex-US Small Cap Equity Net Rank	62	53	29	--	--



### Driehaus International Small Cap Growth | As of September 30, 2022

Account Information	
Account Name	Driehaus International Small Cap Growth
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	5/01/19
Account Type	International
Benchmark	MSCI ACWI ex US Small Cap Growth NR USD
Universe	eV ACWI ex-US Small Cap Equity Net

Account Characteristics	Portfolio Q3-22	Index Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	4.9	2.3
Median Market Cap (\$B)	2.2	1.0
P/E Ratio	17.5	10.4
Yield	7.2	3.5
EPS Growth - 5 Yrs.	23.3	10.1
Price to Book	3.2	2.1

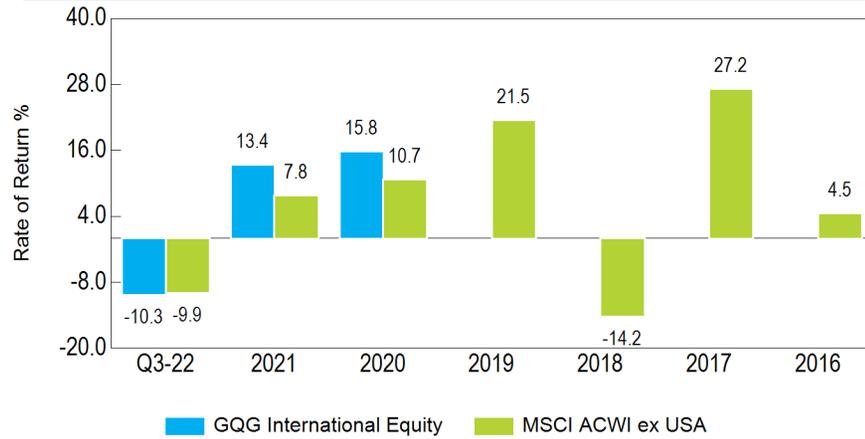


Top Holdings	
INDOSAT	44.1%
SUMBER ALFARIA TRIJAYA	42.4%
YOKOGAWA ELECTRIC CORP	1.4%
ASICS CORP	1.2%
SUNDRUG CO LTD	1.1%
MONOTARO	1.1%
IHI CORP	0.9%
FUKUOKA FINANCIAL GROUP INC	0.8%
MORINAGA	0.7%
CALBEE INC	0.7%

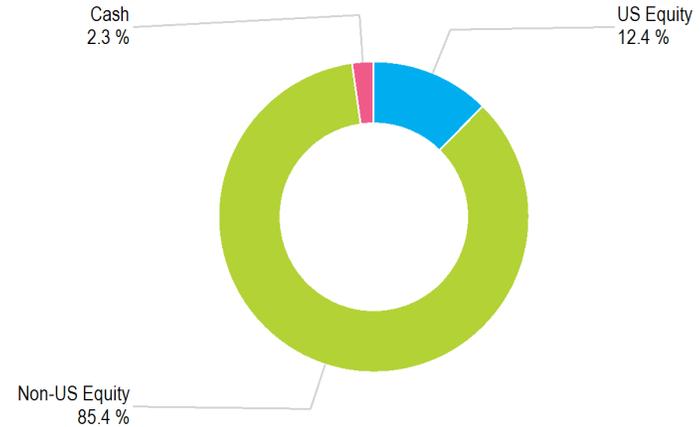
Best Performers	
	Return %
M DIAS BRANCO INDUSTRIA ON	62.4%
CYRELA BRAZIL REALTY SA	50.1%
BANCO DEL BAJIO	37.7%
AK MEDICAL HOLDINGS LTD	31.4%
AKER SOLUTIONS ASA	29.6%
HEXATRONIC GROUP AB	27.5%
CAMECO CORP	27.1%
U-BLOX HOLDING	23.0%
SAMSONITE INTERNATIONAL SA	21.7%
PALADIN ENERGY LTD	21.7%

Worst Performers	
	Return %
SYNTHOMER PLC	-56.6%
888 HOLDINGS	-48.8%
RESTAURANT GROUP PLC	-39.3%
IBU-tec advanced materials AG	-37.8%
ENSIGN ENERGY SERVICES INC	-37.1%
BEFESA S.A	-36.9%
FEVERTREE DRINKS PLC	-36.6%
MARKS AND SPENCER GROUP PLC	-33.2%
STE VIRBAC SA	-32.6%
CONTROLADORA VUELA COMPANIA DE AVIACION SA DE CV	-31.9%

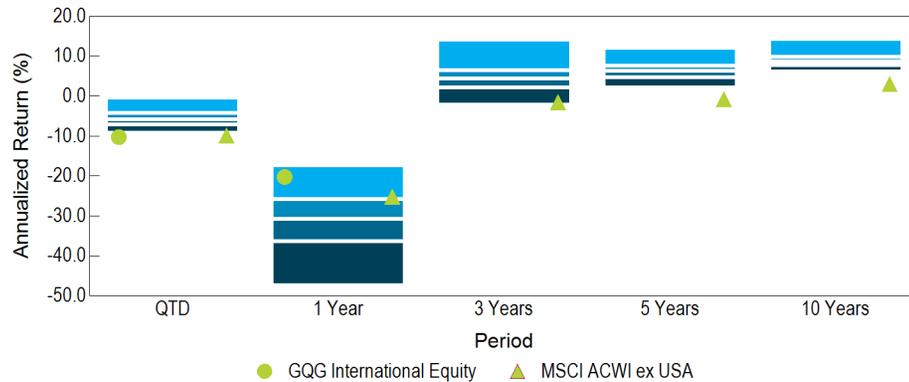
#### Return Summary



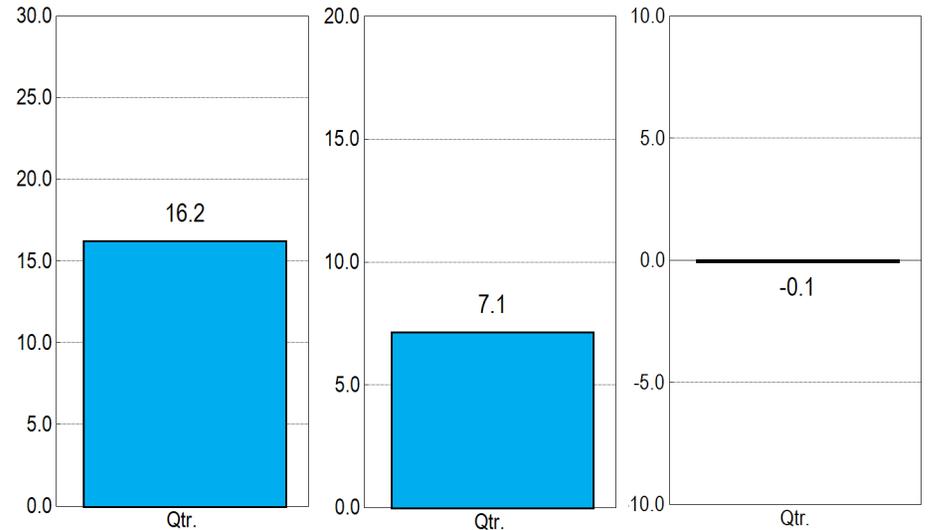
#### Current Allocation



	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
GQG International Equity	-10.3	-20.3	--	--	--
MSCI ACWI ex USA	-9.9	-25.2	--	--	--
eV Global Growth Equity Net Median	-5.8	-30.7	4.4	6.5	8.8
eV Global Growth Equity Net Rank	99	10	--	--	--

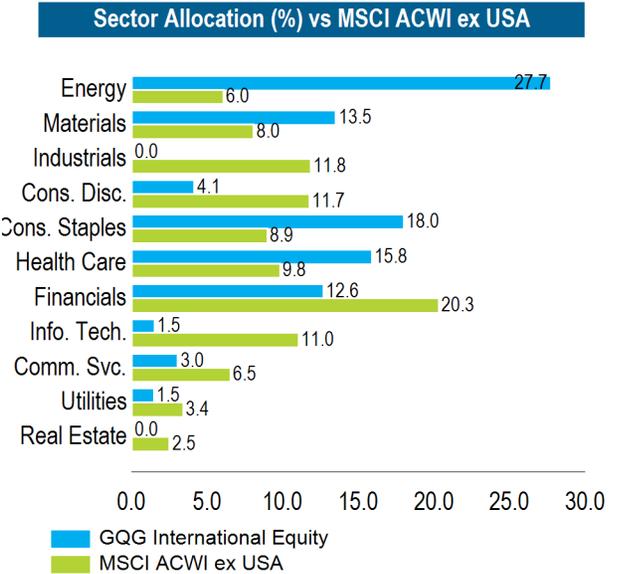


#### Anzld. Std. Deviation      Tracking Error      Information Ratio



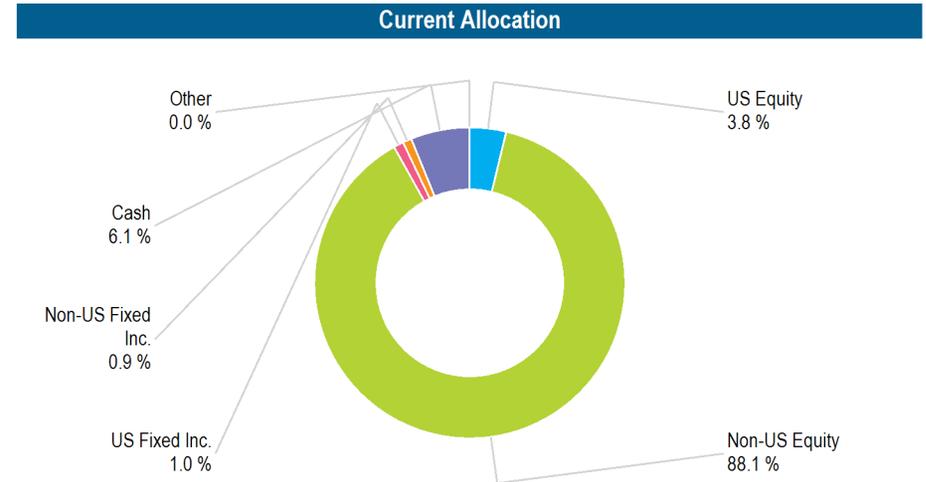
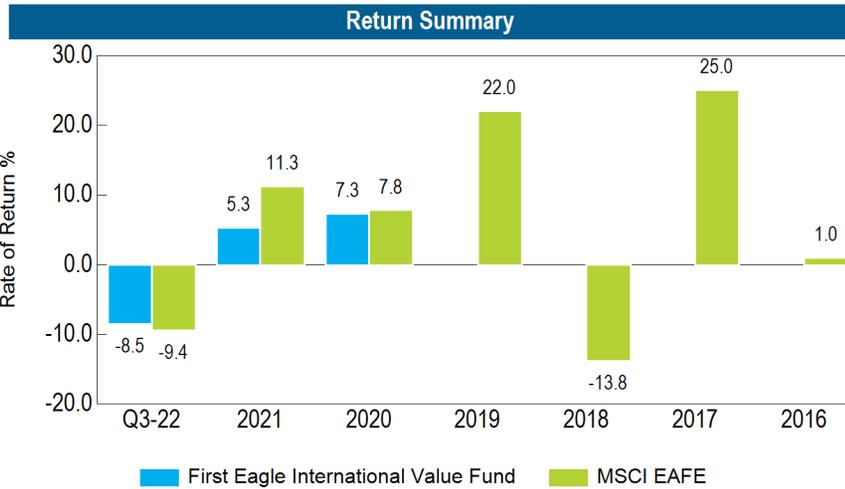
Account Information	
Account Name	<b>GQG International Equity</b>
Account Structure	<b>Commingled Fund</b>
Investment Style	<b>Active</b>
Inception Date	<b>12/01/19</b>
Account Type	<b>International</b>
Benchmark	<b>MSCI ACWI ex USA</b>
Universe	<b>eV Global Growth Equity Net</b>

Account Characteristics		
	Portfolio	Index
	Q2-22	Q2-22
<b>Characteristics</b>		
Weighted Avg. Market Cap. (\$B)	120.0	73.5
Median Market Cap (\$B)	81.1	11.7
P/E Ratio	9.8	13.2
Yield	5.6	3.6
EPS Growth - 5 Yrs.	21.7	12.1
Price to Book	2.1	2.4

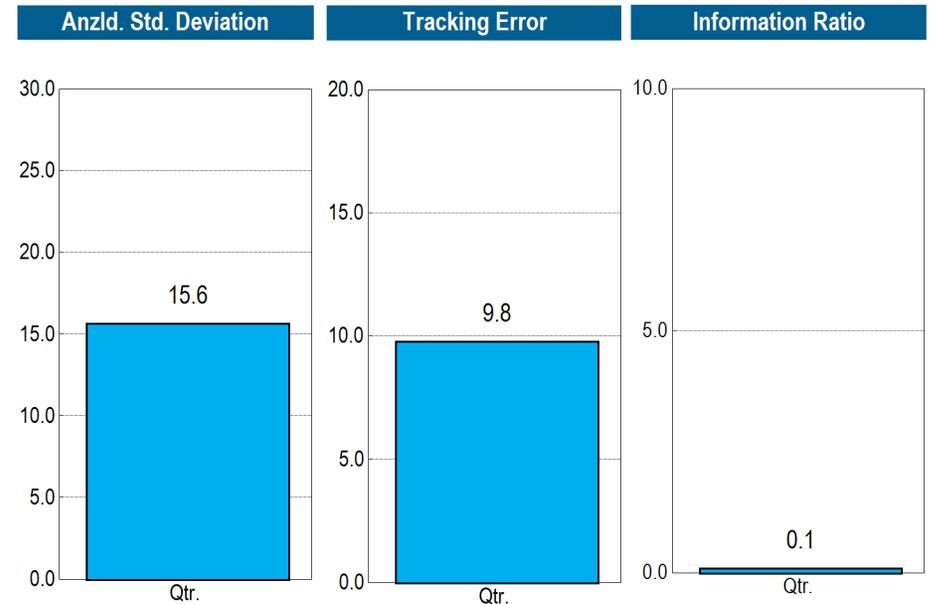
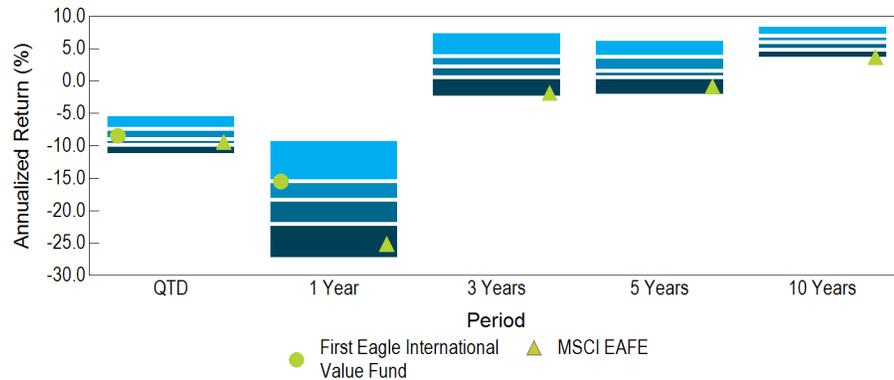


Top Holdings	
ASTRAZENECA PLC	6.7%
PHILIP MORRIS INTERNATIONAL INC	5.8%
ENBRIDGE INC	4.2%
TOTALENERGIES SE	4.2%
GLENCORE PLC	3.8%
EXXON MOBIL CORP	3.3%
BRITISH AMERICAN TOBACCO PLC	3.1%
BRITISH AMERICAN TOBACCO PLC	3.1%
ROCHE HOLDING AG	2.8%
PETROLEO BRASILEIRO S.A.- PETROBRAS	2.6%

Best Performers		Worst Performers	
	Return %		Return %
PETROLEO BRASILEIRO S.A.- PETROBRAS	25.7%	ALIBABA GROUP HOLDING LTD	-29.6%
PETROLEO BRASILEIRO S.A.- PETROBRAS	25.0%	NEWMONT CORPORATION	-28.6%
ITAU UNIBANCO HOLDING PN	21.3%	CHINA MERCHANTS BANK CO LTD	-27.9%
ICICI BANK LTD	18.9%	TENCENT HOLDINGS LTD	-24.9%
H D F C BANK LTD	6.3%	SANOFI	-23.7%
TOURMALINE OIL CORP	3.7%	NEWCREST MINING LTD	-23.1%
GLENCORE PLC	3.2%	AIA GROUP LTD	-22.7%
EXXON MOBIL CORP	2.9%	JD.COM INC	-21.7%
DEUTSCHE BOERSE AG	-1.1%	JD.COM INC	-21.5%
ROCHE HOLDING AG	-1.2%	ZIJIN MINING GROUP CO LTD	-20.9%

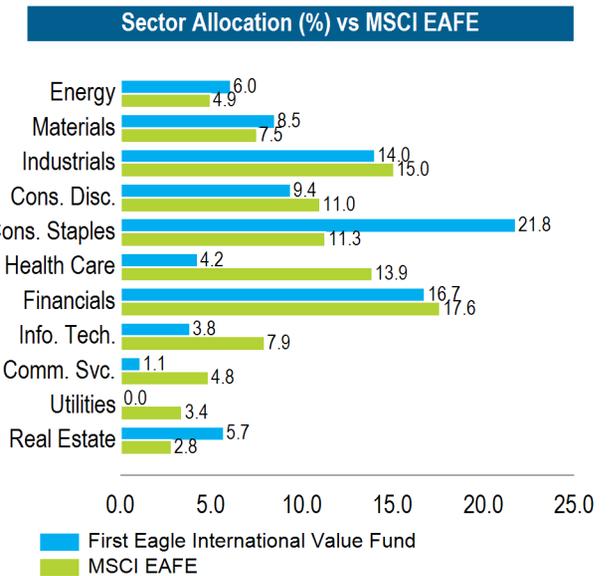


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
First Eagle International Value Fund	-8.5	-15.5	--	--	--
MSCI EAFE	-9.4	-25.1	--	--	--
eV Global Value Equity Net Median	-8.9	-18.3	2.3	1.7	6.0
eV Global Value Equity Net Rank	44	27	--	--	--



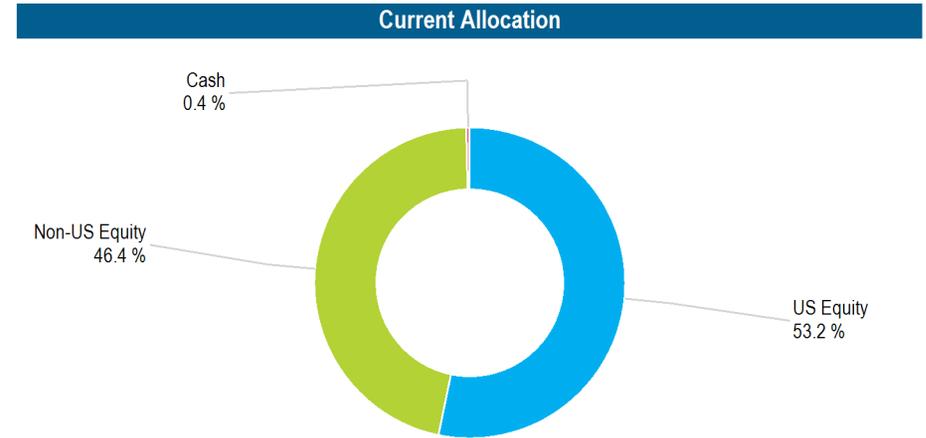
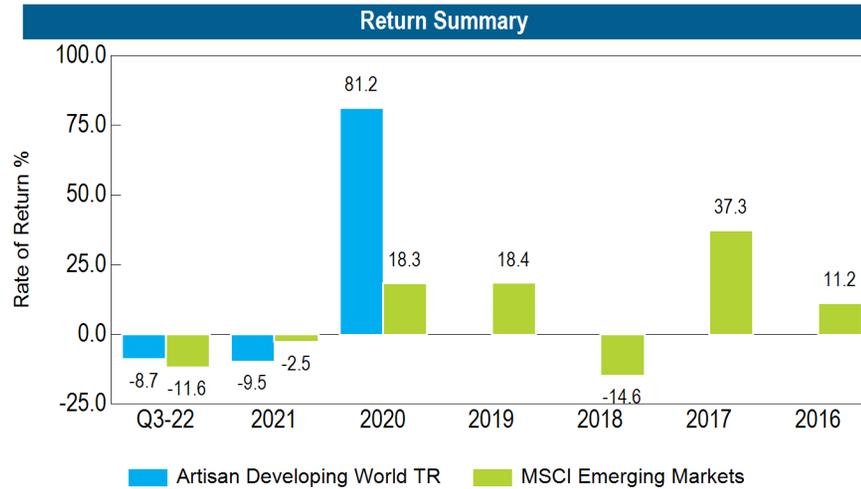
Account Information	
Account Name	First Eagle International Value Fund
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	12/01/19
Account Type	International
Benchmark	MSCI EAFE
Universe	eV Global Value Equity Net

Account Characteristics	Portfolio	Index
	Q3-22	Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	45.7	67.3
Median Market Cap (\$B)	11.9	10.4
P/E Ratio	12.7	12.2
Yield	3.4	3.7
EPS Growth - 5 Yrs.	8.8	11.1
Price to Book	1.8	2.4

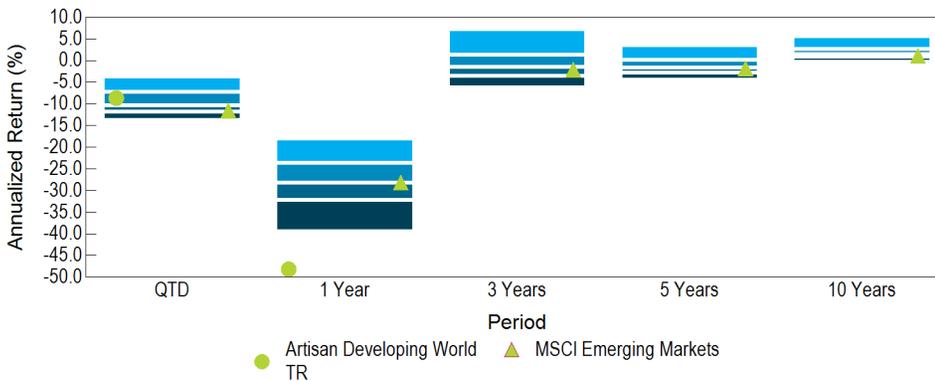


Top Holdings	
IMPERIAL OIL LTD	4.2%
BRITISH AMERICAN TOBACCO PLC	3.4%
UNILEVER PLC COMMON STOCK GBP.0311	2.9%
DANONE	2.8%
WILLIS TOWERS WATSON PLC	2.6%
GROUPE BRUXELLES LAMBERT SA	2.6%
CIE FINANCIERE RICHEMONT AG, ZUG	2.4%
SHELL PLC	2.4%
MITSUBISHI ESTATE CO LTD	2.3%
AMBEV SA	2.3%

Best Performers		Worst Performers	
	Return %		Return %
AG ANADOLU GRUBU HOLDING ANONIM SIRKETI	55.3%	P/F BAKKAFROST HOLDING	-37.5%
ITAUSA INVESTIMENTOS ITAU PN	13.8%	GSK PLC	-32.1%
AMBEV SA	12.7%	ALIBABA GROUP HOLDING LTD	-30.4%
HOYA CORP	12.5%	GREAT PORTLAND ESTATES PLC	-29.6%
KANSAI PAINT	11.9%	NEWMONT CORPORATION	-28.6%
SK KAKEN CO LTD	11.0%	NAVER CORP	-27.3%
CHOFU SEISAKUSHO CO LTD	8.7%	FURSYS INC	-24.0%
SODEXO	7.9%	SANOFI	-23.7%
PILOT	6.6%	NEWCREST MINING LTD	-23.1%
AS ONE CORP	6.0%	PROSUS ORD	-18.8%

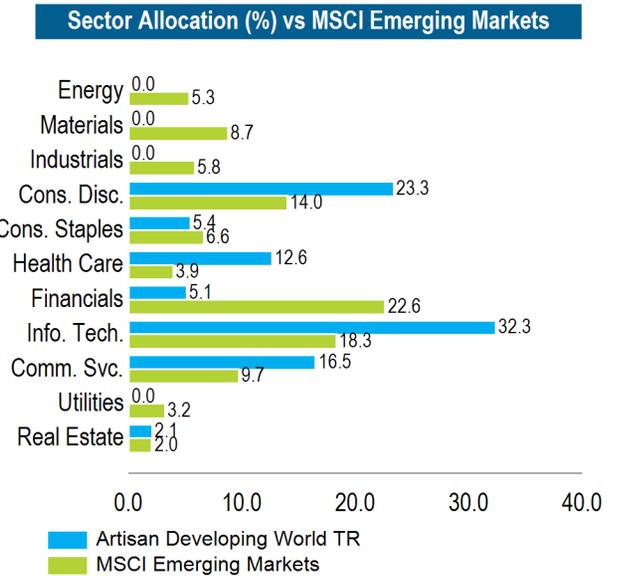


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Artisan Developing World TR	-8.7	-48.2	--	--	--
MSCI Emerging Markets	-11.6	-28.1	--	--	--
eV Emg Mkts Equity Net Median	-10.2	-28.1	-1.4	-1.6	1.5
eV Emg Mkts Equity Net Rank	37	99	--	--	--



Account Information	
Account Name	Artisan Developing World TR
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	12/01/19
Account Type	International Emerging Stocks
Benchmark	MSCI Emerging Markets
Universe	eV Emg Mkts Equity Net

Account Characteristics	Portfolio	Index
	Q3-22	Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	119.3	86.9
Median Market Cap (\$B)	45.8	5.5
P/E Ratio	33.5	10.1
Yield	0.3	3.8
EPS Growth - 5 Yrs.	23.7	14.3
Price to Book	7.8	2.5



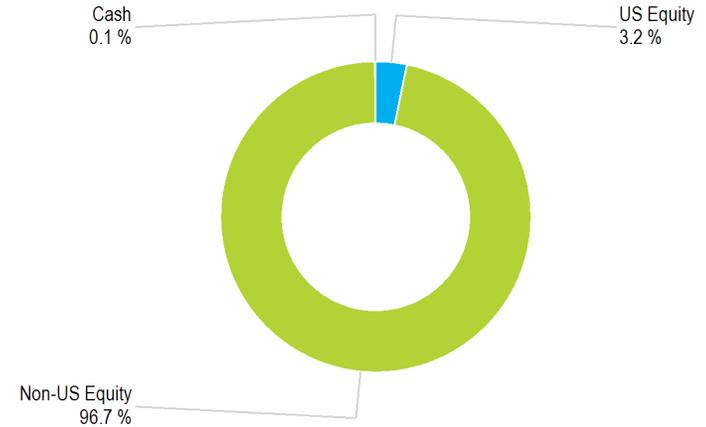
Top Holdings	
AIRBNB INC	6.7%
NVIDIA CORPORATION	6.6%
MERCADOLIBRE INC	6.2%
SEA LIMITED	6.1%
CROWDSTRIKE HOLDINGS INC	5.3%
MEITUAN DIANPING USD0.00001 A B CLASS ISIN KYG596691041	5.1%
VISA INC	5.0%
ADYEN N.V	4.8%
VEEVA SYSTEMS INC	3.5%
KWEICHOW MOUTAI CO LTD	3.3%

Best Performers		Worst Performers	
	Return %		Return %
NETFLIX INC	34.6%	BILIBILI INC	-40.2%
MERCADOLIBRE INC	30.0%	ADR KANZHUN LTD SPONSORED ADS	-35.8%
AIRBNB INC	17.9%	WUXI BIOLOGICS (CAYMAN) INC	-34.0%
NU HOLDINGS LTDCAYMAN ISLANDS	17.6%	ZHANGZHOU PIENZHEHUANG PHARMACEUTICAL CO LTD	-29.3%
HERMES INTERNATIONAL SA	7.0%	SNAP INC	-25.2%
H D F C BANK LTD	6.3%	TENCENT HOLDINGS LTD	-24.9%
SARTORIUS STEDIM BIOTECH SA	-0.6%	DLOCAL LTD COM USD0.002 CL A	-21.8%
LVMH MOET HENNESSY LOUIS VUITTON SE	-1.6%	NVIDIA CORPORATION	-19.9%
CROWDSTRIKE HOLDINGS INC	-2.2%	VEEVA SYSTEMS INC	-16.7%
KE Holdings Inc	-2.4%	SEA LIMITED	-16.2%

#### Return Summary

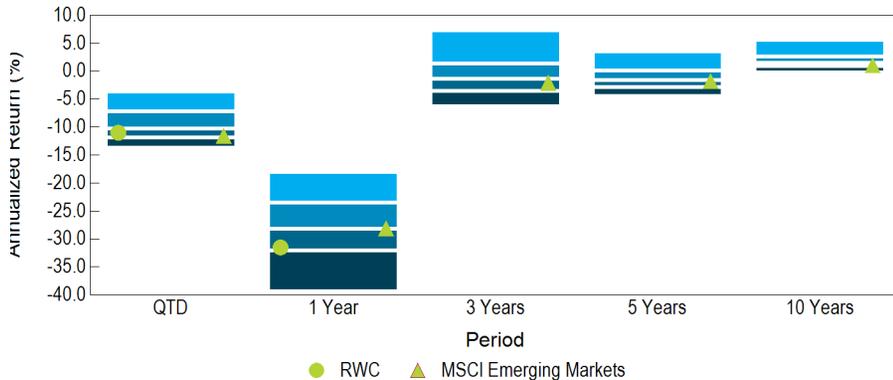
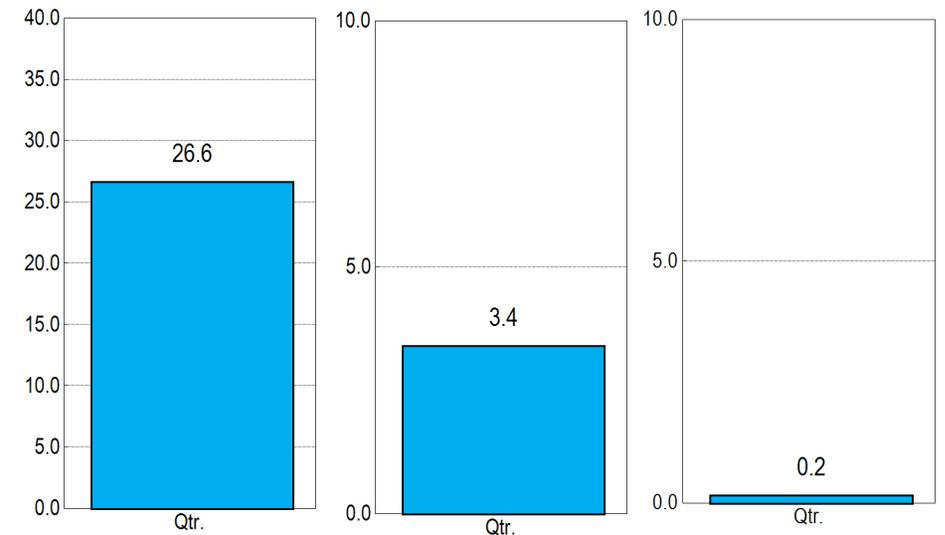


#### Current Allocation



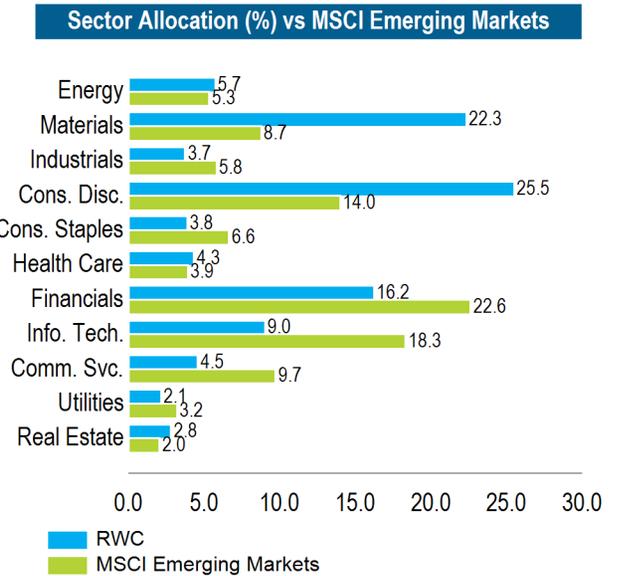
	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
RWC	-11.0	-31.5	--	--	--
MSCI Emerging Markets	-11.6	-28.1	--	--	--
eV Emg Mkts Equity Net Median	-10.2	-28.1	-1.4	-1.6	1.5
eV Emg Mkts Equity Net Rank	65	71	--	--	--

#### Anzld. Std. Deviation      Tracking Error      Information Ratio



Account Information	
Account Name	RWC
Account Structure	Commingled Fund
Investment Style	Active
Inception Date	12/01/19
Account Type	International Emerging Stocks
Benchmark	MSCI Emerging Markets
Universe	eV Emg Mkts Equity Net

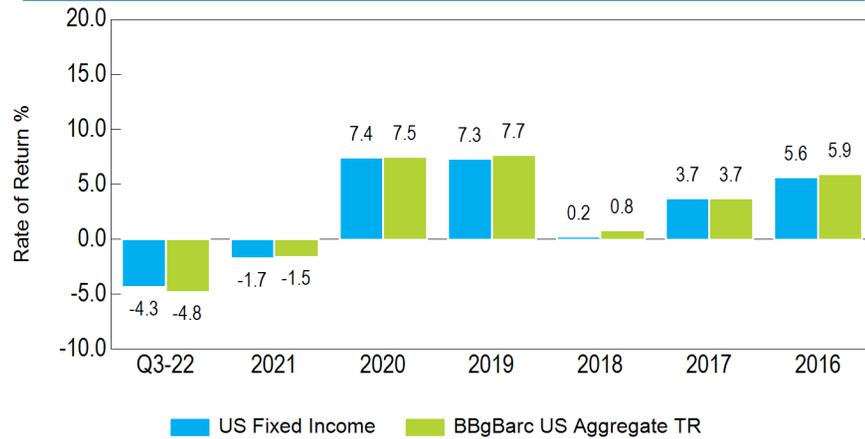
Account Characteristics	Portfolio Q3-22	Index Q3-22
Characteristics		
Weighted Avg. Market Cap. (\$B)	84.2	86.9
Median Market Cap (\$B)	18.4	5.5
P/E Ratio	13.8	10.1
Yield	1.7	3.8
EPS Growth - 5 Yrs.	13.5	14.3
Price to Book	2.5	2.5



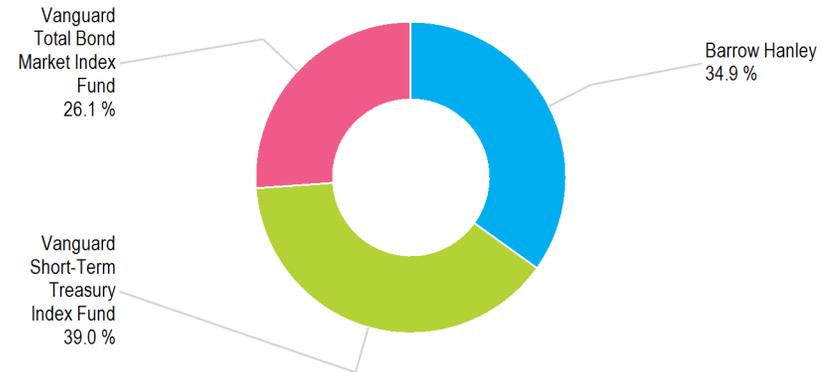
Top Holdings	
PINDUODUO	5.4%
FIRST QUANTUM MINERALS LTD	4.5%
ICICI BANK	4.5%
MEITUAN DIANPING USD0.00001 A B CLASS ISIN KYG596691041	3.8%
SK HYNIX INC	3.4%
THE SAUDI NATIONAL BANK	3.3%
HAPVIDA PARTICIPACOES E INVESTIMENTOS SA	3.2%
IVANHOE MINES LTD	2.9%
SOCIEDAD QUIMICA Y MINERA DE CHILE SA SOQIMICH	2.8%
BANCO BRADESCO SA BRAD	2.7%

Best Performers		Worst Performers	
	Return %		Return %
INDIAN HOTELS CO LTD	43.1%	LI AUTO INC	-39.9%
SAUDI ARABIAN MINING CO	39.5%	GEELY AUTOMOBILE HOLDINGS LTD	-39.4%
HAPVIDA PARTICIPACOES E INVESTIMENTOS SA	33.8%	Shenzhen Senior Technology Material Co Ltd	-35.1%
MERCADOLIBRE INC	30.0%	SILERGY CORP	-34.2%
ICICI BANK	19.1%	LONGI GREEN ENERGY TECHNOLOGY CO LTD	-32.3%
PT BANK MANDIRI (PERSERO) TBK	16.6%	ALIBABA GROUP HOLDING LTD	-30.4%
SOCIEDAD QUIMICA Y MINERA DE CHILE SA SOQIMICH	14.6%	ALIBABA GROUP HOLDING LTD	-29.6%
IVANHOE MINES LTD	12.6%	LIZHONG SITONG LIGHT ALLOYS GROUP CO LTD	-26.6%
INTERGLOBE AVIATION LTD	12.2%	TENCENT HOLDINGS LTD	-24.9%
RUMO SA	11.8%	PING AN INSURANCE GROUP	-24.8%

#### Return Summary

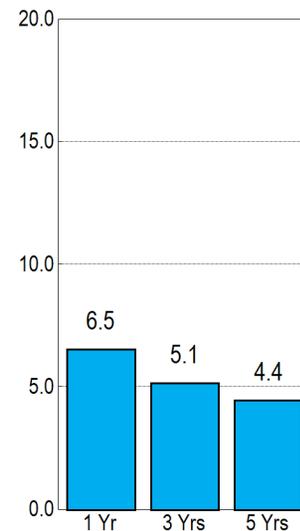


#### Current Allocation

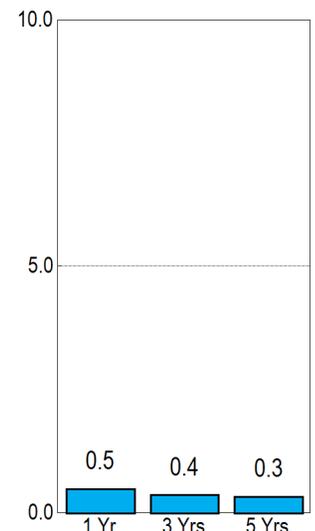


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>US Fixed Income</b>	<b>-4.3</b>	<b>-14.2</b>	<b>-3.1</b>	<b>-0.4</b>	<b>1.2</b>
BbgBarc US Aggregate TR	-4.8	-14.6	-3.2	-0.3	1.1
InvMetrics All DB US Fix Inc Net Median	-3.7	-13.1	-1.9	0.4	1.4
InvMetrics All DB US Fix Inc Net Rank	61	57	70	78	62

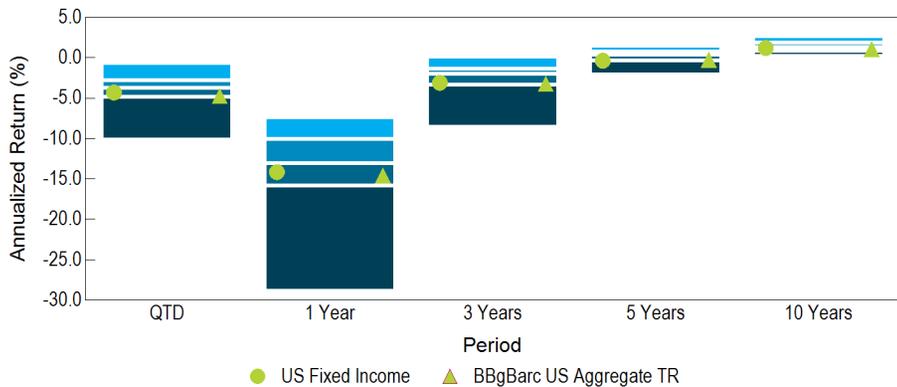
#### Anzld. Std. Deviation



#### Tracking Error



#### Information Ratio

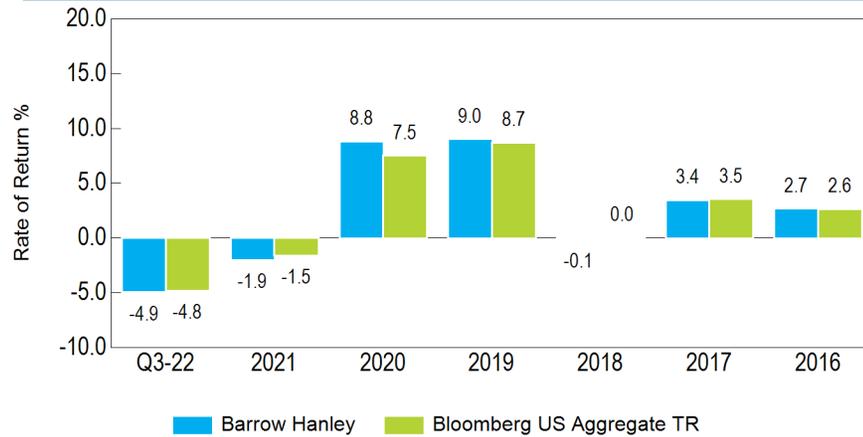


US Fixed Income Fixed Income Characteristics vs. Bloomberg US Aggregate TR				
	Portfolio	Index	Portfolio	Index
	Q3-22	Q3-22	Q2-22	Q2-22
Fixed Income Characteristics				
Yield to Maturity	4.67	4.69	3.79	3.67
Average Duration	4.69	6.39	6.20	6.67
Average Quality	AA	AA	AAA	AA
Weighted Average Maturity	6.34	13.09	8.79	13.33

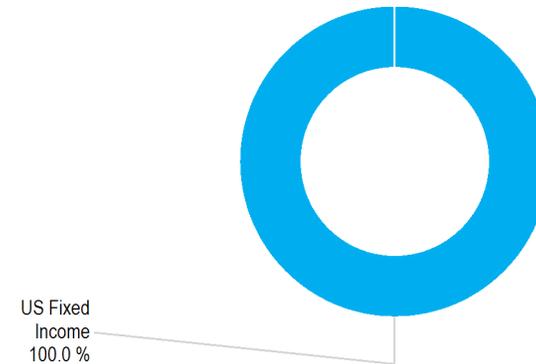
US Fixed Income Fixed Income Duration vs. BBgBarc US Aggregate TR				
	Portfolio	Index	Portfolio	Index
	Q3-22	Q3-22	Q2-22	Q2-22
Credit Quality Allocation				
AAA	80.80	31.05	67.58	31.24
AA	1.40	45.69	2.43	45.33
A	7.57	9.85	13.16	9.87
BBB	9.62	13.27	16.55	13.43
BB	--	0.13	--	0.12
Not Rated	0.02	--	0.27	--

US Fixed Income Fixed Income Sector Allocation vs. Bloomberg US Aggregate TR				
	Portfolio	Index	Portfolio	Index
	Q3-22	Q3-22	Q2-22	Q2-22
US Sector Allocation				
UST/Agency	60.13	42.21	36.71	41.81
Corporate	17.64	23.92	30.98	24.03
MBS	16.98	29.50	25.39	29.79
ABS	2.35	0.45	3.80	0.41
Foreign	0.95	3.30	1.72	3.30
Muni	--	0.63	--	0.65
Other	1.11	--	0.92	--
Cash	0.84	--	0.48	--

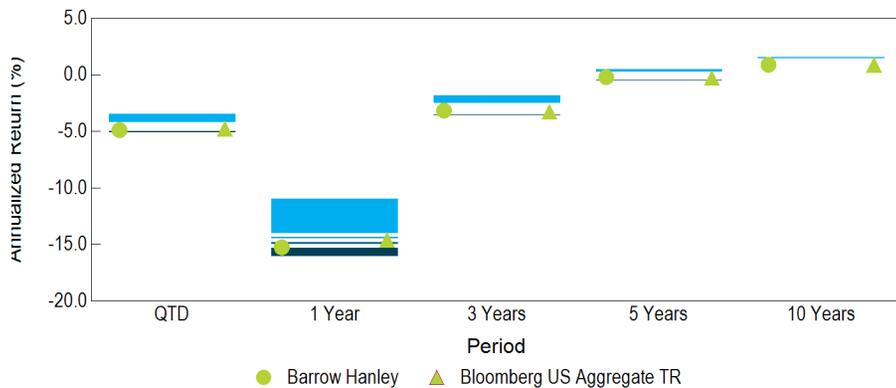
#### Return Summary



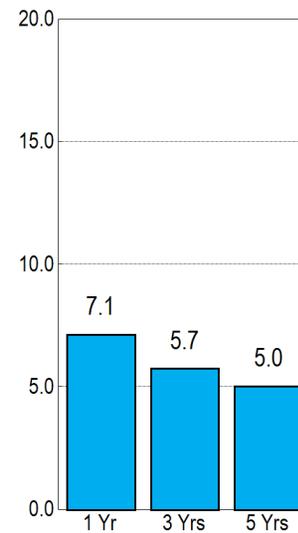
#### Current Allocation



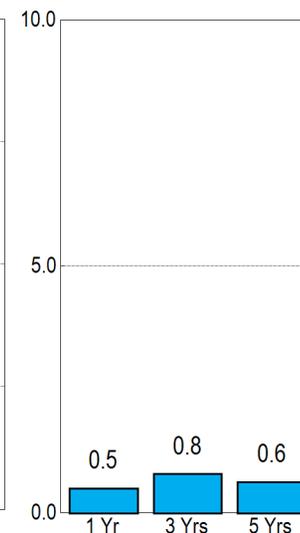
	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Barrow Hanley	-4.9	-15.3	-3.2	-0.2	0.9
Bloomberg US Aggregate TR	-4.8	-14.6	-3.3	-0.3	0.9
eV US Core Fixed Inc Net Median	-4.6	-14.6	-3.0	0.0	1.1
eV US Core Fixed Inc Net Rank	85	80	70	71	78



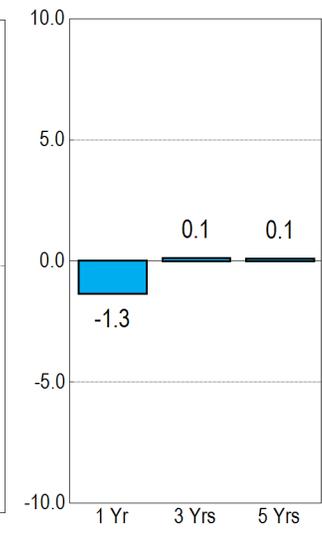
#### Anzld. Std. Deviation



#### Tracking Error



#### Information Ratio



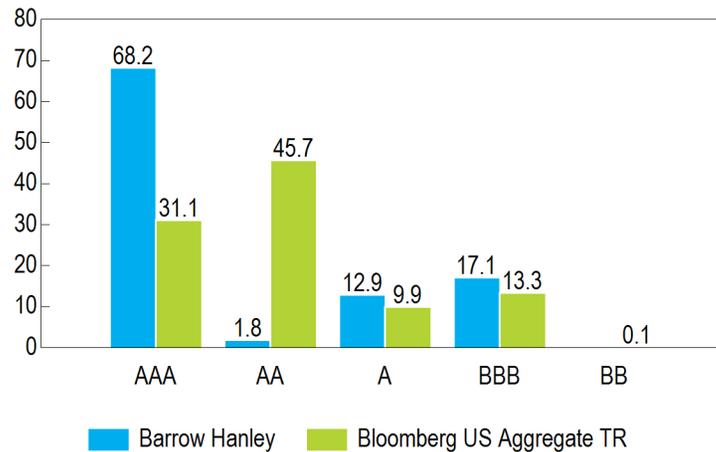
#### Account Information

Account Name	Barrow Hanley
Account Structure	Separate Account
Investment Style	Active
Inception Date	3/31/10
Account Type	US Fixed Income Core
Benchmark	Bloomberg US Aggregate TR
Universe	eV US Core Fixed Inc Net

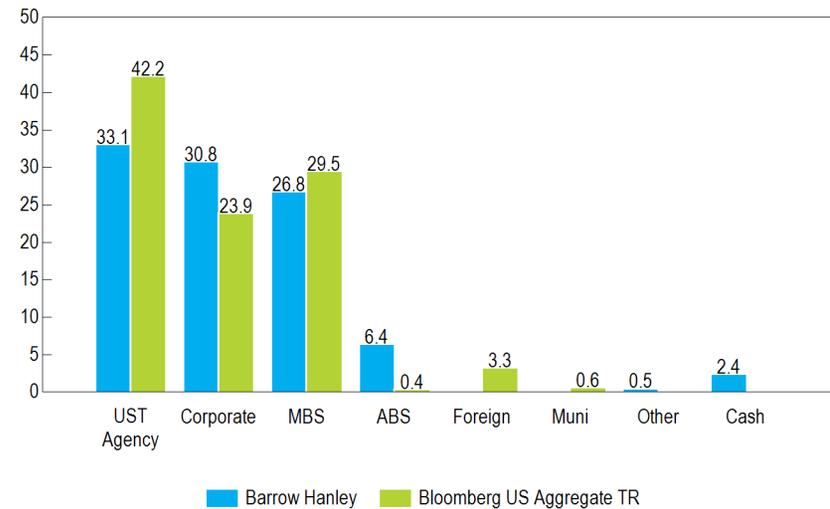
#### Fixed Income Characteristics

	Portfolio Q3-22	Index Q3-22
Fixed Income Characteristics		
Yield to Maturity	4.93	4.69
Average Duration	6.08	6.39
Average Quality	AA	AA
Weighted Average Maturity	8.51	13.09

#### Credit Quality Allocation



#### US Sector Allocation



### Vanguard Short-Term Treasury Index Fund | As of September 30, 2022

#### Description:

The investment seeks to track the performance of a market-weighted Treasury index with a short-term dollar-weighted average maturity.

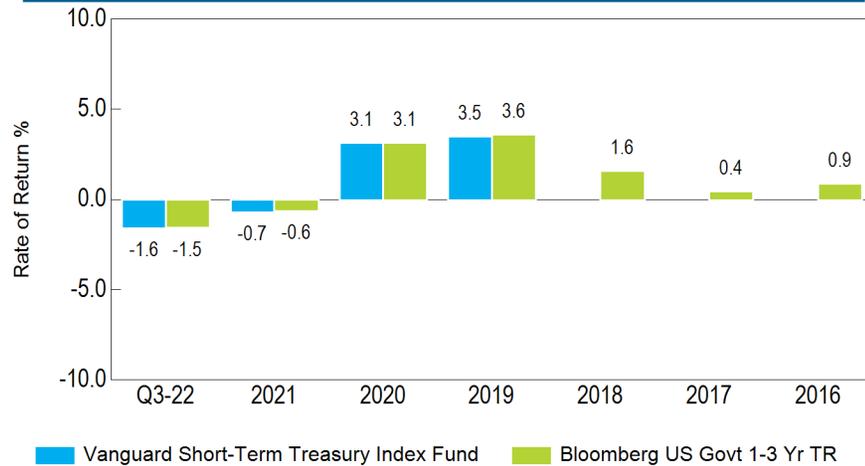
The fund employs an indexing investment approach designed to track the performance of the Bloomberg US Treasury 1-3 Year Index. This index includes fixed income securities issued by the U.S. Treasury (not including inflation-protected securities, floating rate securities and certain other security types), all with maturities between 1 and 3 years. At least 80% of the fund's assets will be invested in bonds included in the index.

Portfolio Fund Information as of September 30, 2022		Top Holdings as of September 30, 2022		Fund Characteristics as of September 30, 2022	
Ticker	VSPIX	UNITED STATES TREASURY NOTES	2.75%	Sharpe Ratio (3 Year)	-0.62
Morningstar Category	Short Government	UNITED STATES TREASURY NOTES	2.41%	Average Duration	1.88
Average Market Cap (\$mm)		UNITED STATES TREASURY NOTES	2.29%	Effective Duration	1.88
Net Assets (\$mm)	1,141.73	UNITED STATES TREASURY NOTES	2.15%	Modified Duration	
% Assets in Top 10 Holdings	21.20	UNITED STATES TREASURY NOTES	2.04%	Average Coupon	
Total Number of Holdings	98	UNITED STATES TREASURY NOTES	1.96%	Average Effective Maturity	1.90
Manager Name	Joshua C. Barrickman	UNITED STATES TREASURY NOTES	1.93%	R-Squared (3 Year)	1.00
Manager Tenure	10	UNITED STATES TREASURY NOTES	1.91%	Alpha (3 Year)	0.00%
Expense Ratio	0.05%	UNITED STATES TREASURY NOTES	1.89%	Beta (3 Year)	1.00
Closed to New Investors	No	UNITED STATES TREASURY NOTES	1.85%		

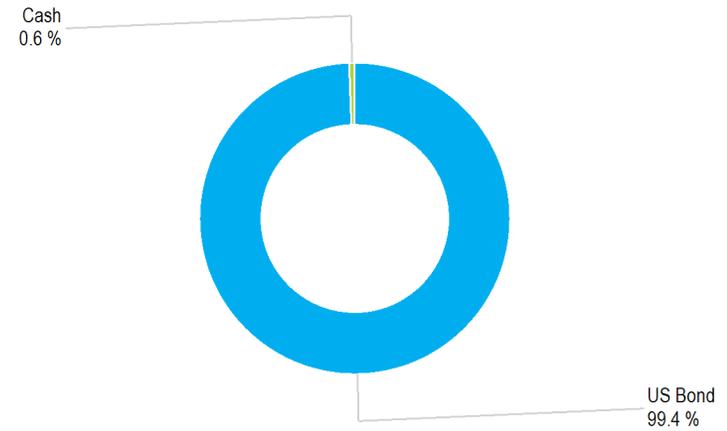
Maturities as of September 30, 2022		Fixed Income Sectors as of September 30, 2022		Credit Quality as of September 30, 2022	
1 to 3 Years	97.71%	GOVERNMENT	99.42%	AAA	99.69%
3 to 5 Years	2.29%	MUNICIPAL	0.00%	AA	0.00%
5 to 7 Years	0.00%	CORPORATE	0.00%	A	0.00%
7 to 10 Years	0.00%	SECURITIZED	0.00%	BBB	0.00%
10 to 15 Years	0.00%	CASH & EQUIVALENTS	0.58%	BB	0.00%
15 to 20 Years	0.00%	DERIVATIVE	0.00%	B	0.00%
20 to 30 Years	0.00%			Below B	0.00%
Greater than 30 Years	0.00%			Not Rated	0.31%

### Vanguard Short-Term Treasury Index Fund | As of September 30, 2022

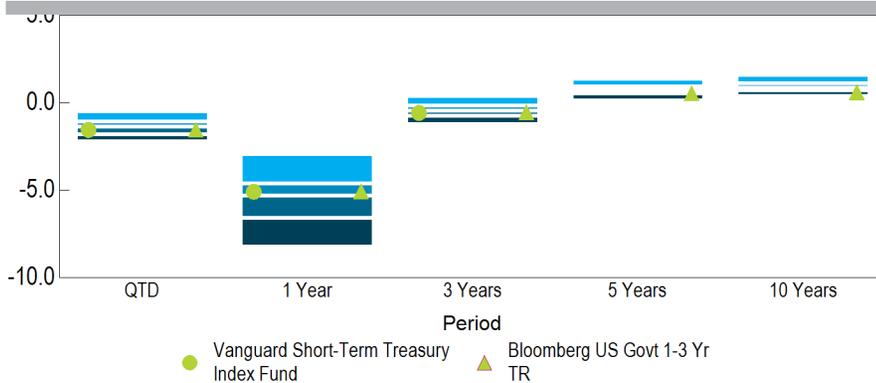
**Return Summary**



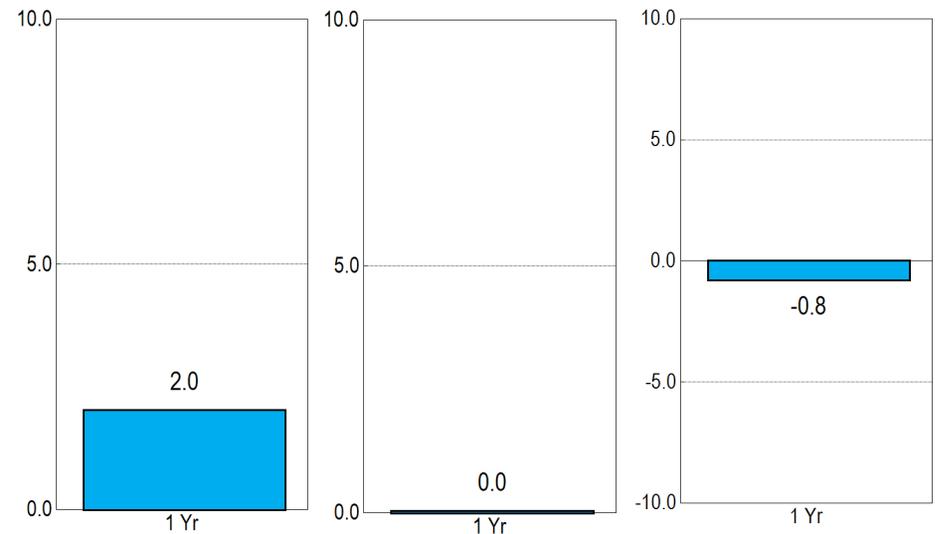
**Mutual Fund Allocation as of September 30, 2022**



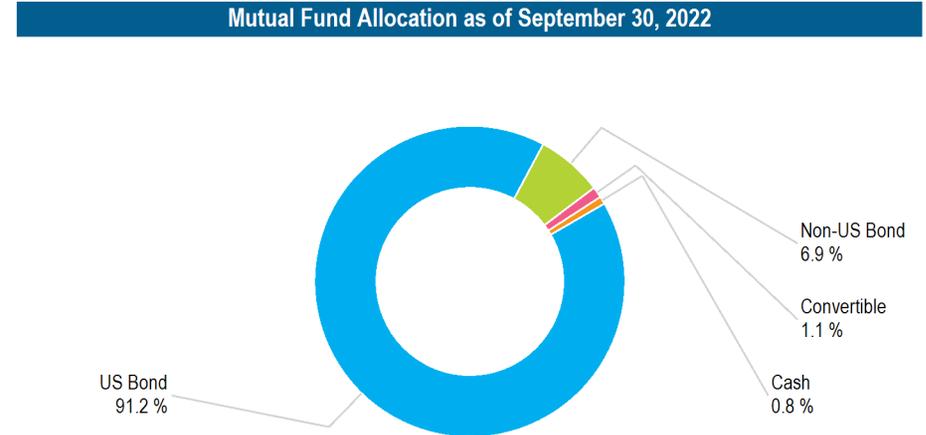
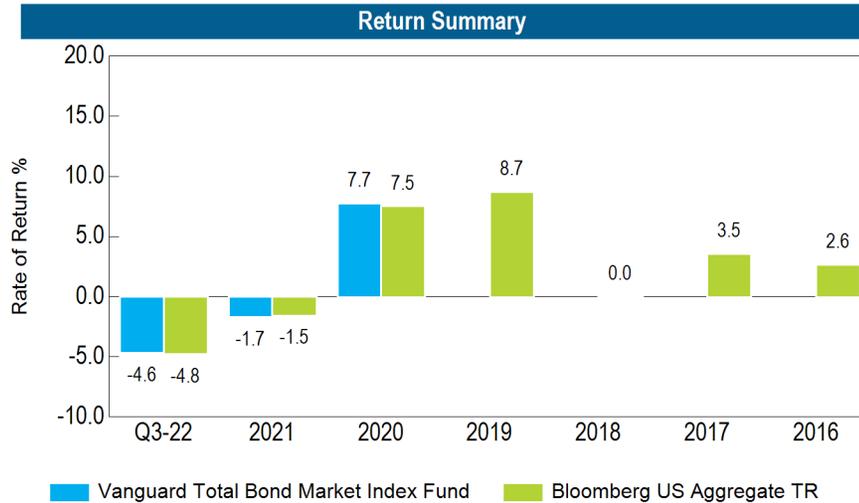
	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Vanguard Short-Term Treasury Index Fund	-1.6	-5.1	-0.6	--	--
Bloomberg US Govt 1-3 Yr TR	-1.5	-5.1	-0.5	0.5	0.6
eV US Short Duration Fixed Inc Net Median	-1.3	-5.3	-0.4	0.8	0.9
eV US Short Duration Fixed Inc Net Rank	67	40	66	--	--



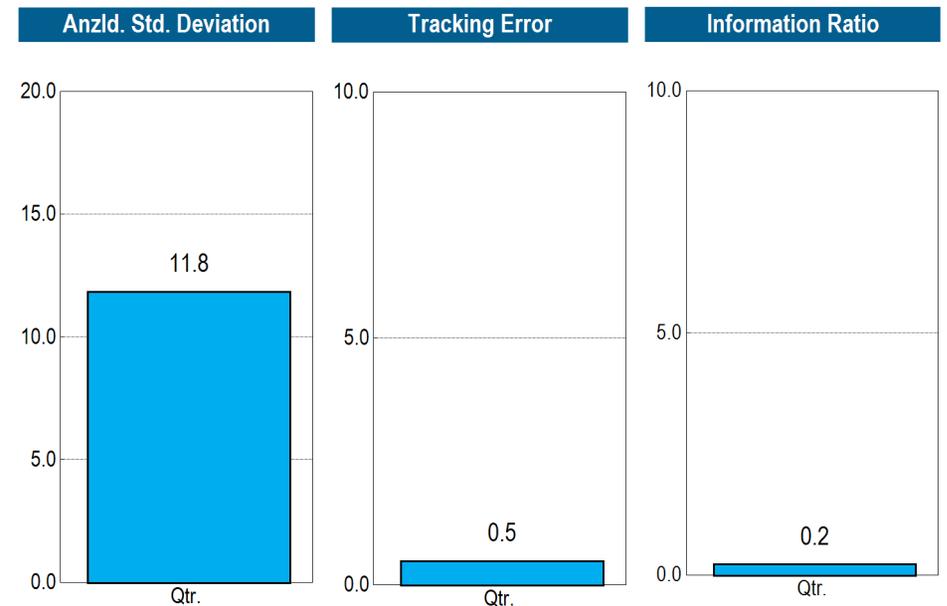
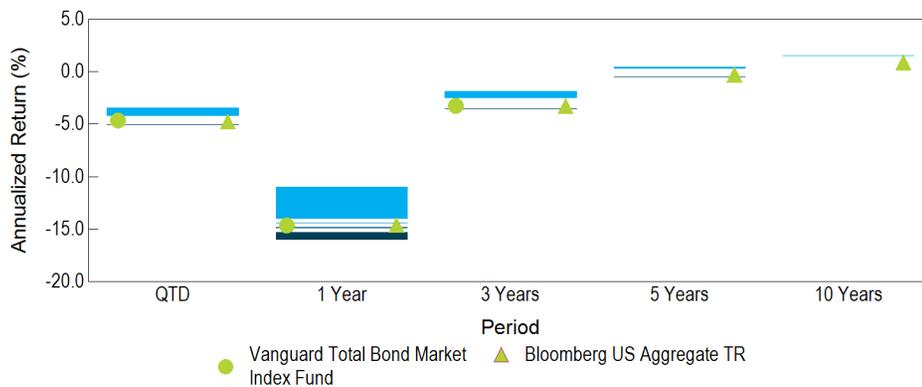
**Anzld. Std. Deviation | Tracking Error | Information Ratio**



### Vanguard Total Bond Market Index Fund | As of September 30, 2022



	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
Vanguard Total Bond Market Index Fund	-4.6	-14.6	-3.3	--	--
Bloomberg US Aggregate TR	-4.8	-14.6	-3.3	-0.3	0.9
eV US Core Fixed Inc Net Median	-4.6	-14.6	-3.0	0.0	1.1
eV US Core Fixed Inc Net Rank	63	54	74	--	--



### Vanguard Total Bond Market Index Fund | As of September 30, 2022

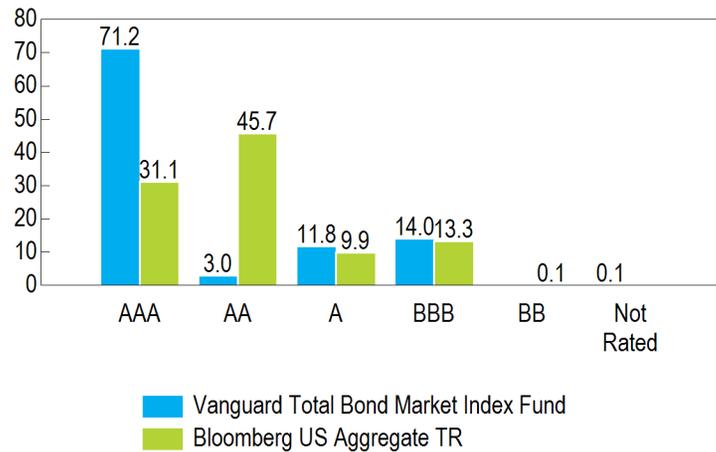
#### Account Information

Account Name	Vanguard Total Bond Market Index Fund
Account Structure	Mutual Fund
Investment Style	Passive
Inception Date	5/01/19
Account Type	US Fixed Income
Benchmark	Bloomberg US Aggregate TR
Universe	eV US Core Fixed Inc Net

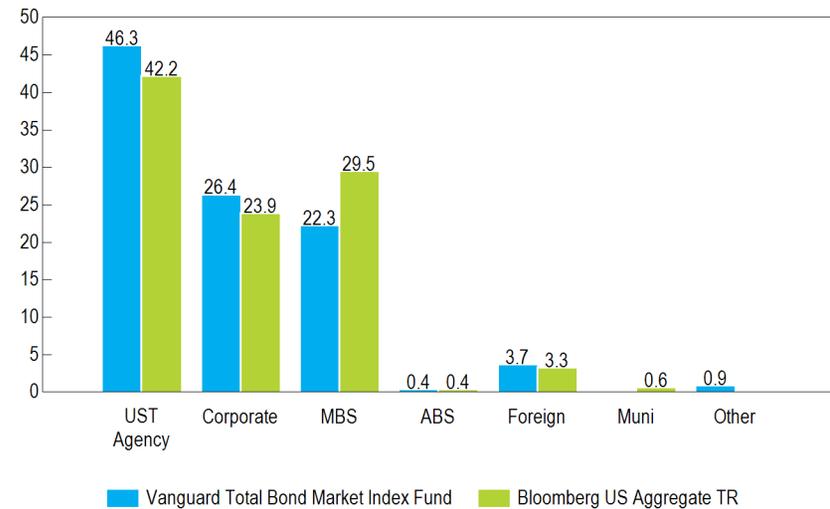
#### Fixed Income Characteristics

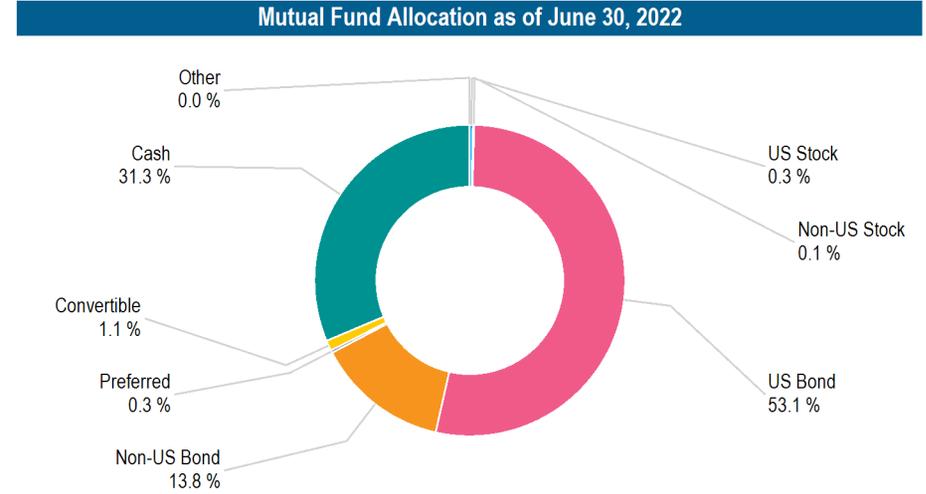
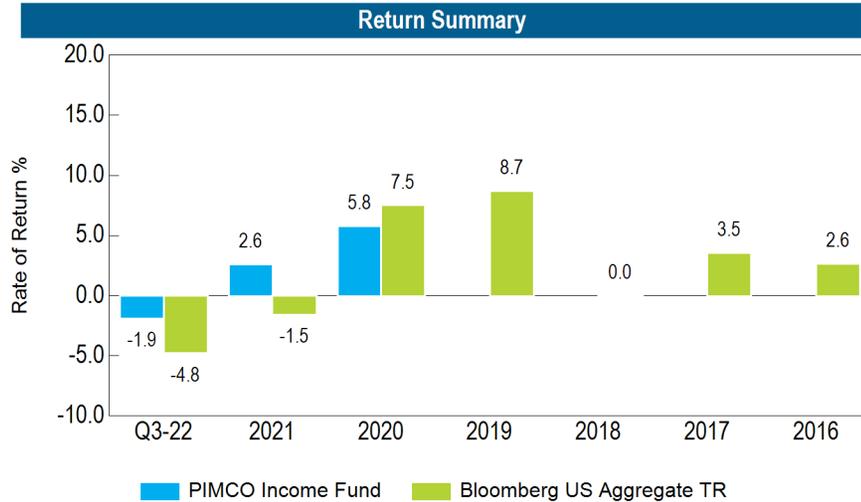
	Portfolio Q3-22	Index Q3-22
Fixed Income Characteristics		
Yield to Maturity	4.67	4.69
Average Duration	6.52	6.39
Average Quality	AA	AA
Weighted Average Maturity	8.90	13.09

#### Credit Quality Allocation

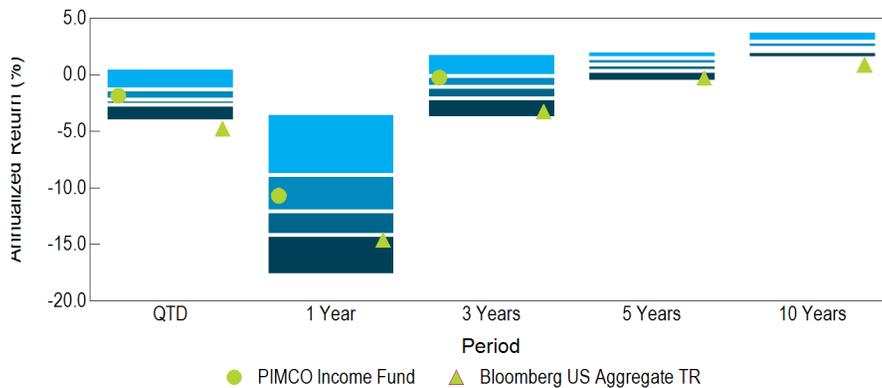


#### US Sector Allocation

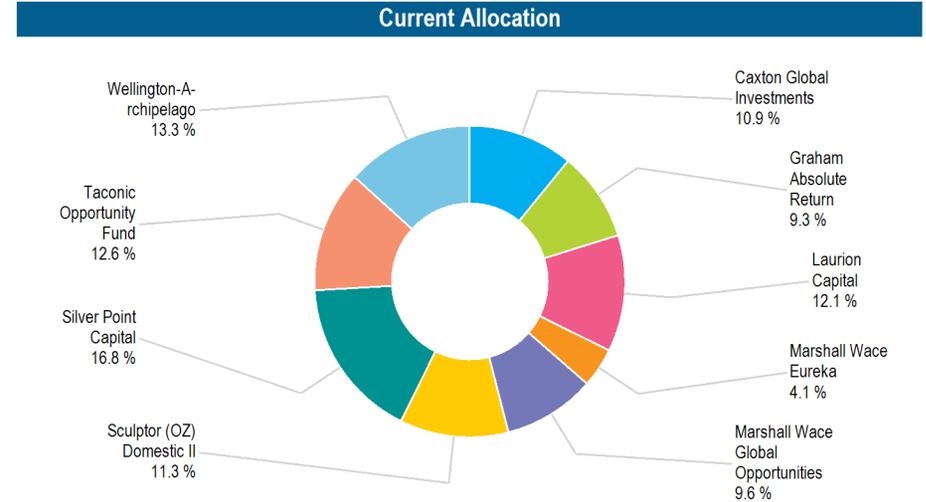
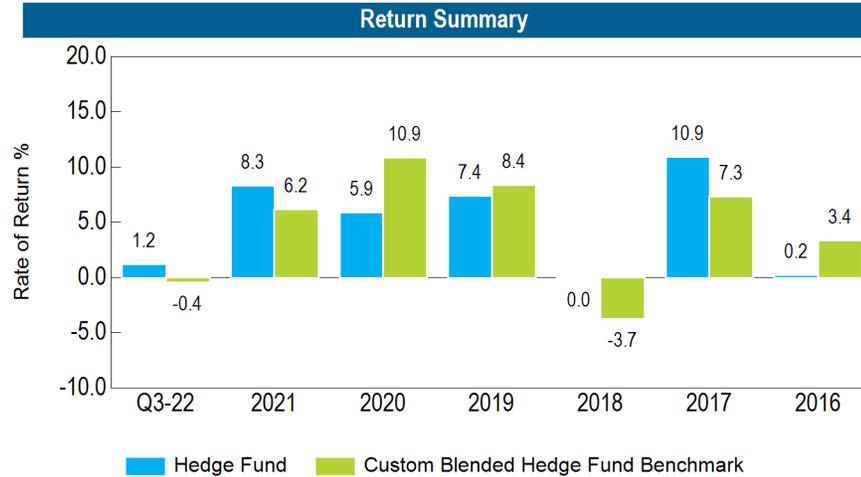




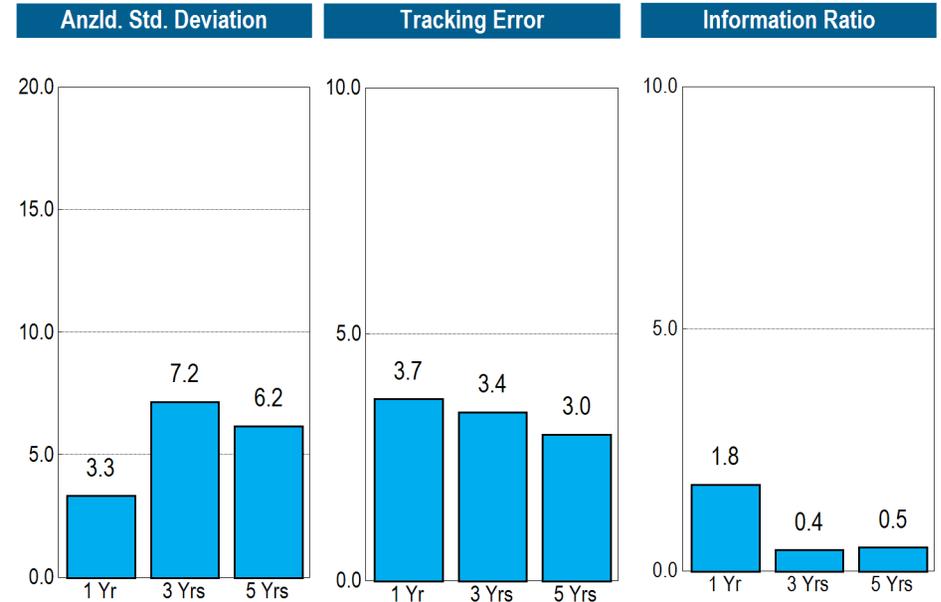
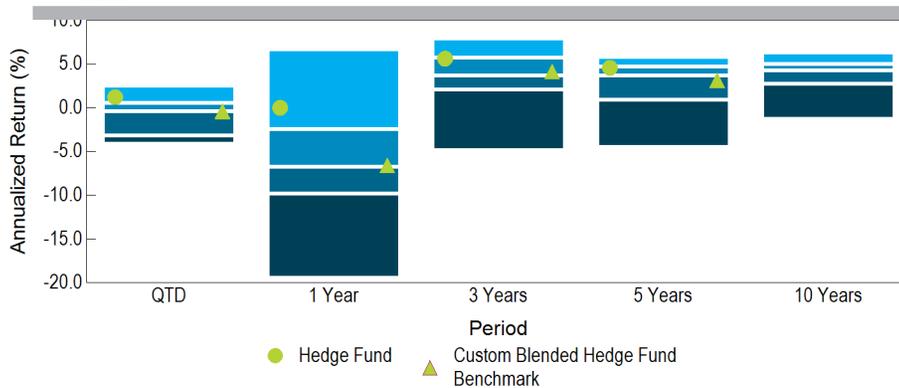
	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
PIMCO Income Fund	-1.9	-10.7	-0.3	--	--
Bloomberg US Aggregate TR	-4.8	-14.6	-3.3	-0.3	0.9
Multisector Bond MStar MF Median	-2.2	-12.1	-1.0	0.9	2.4
Multisector Bond MStar MF Rank	37	35	30	--	--



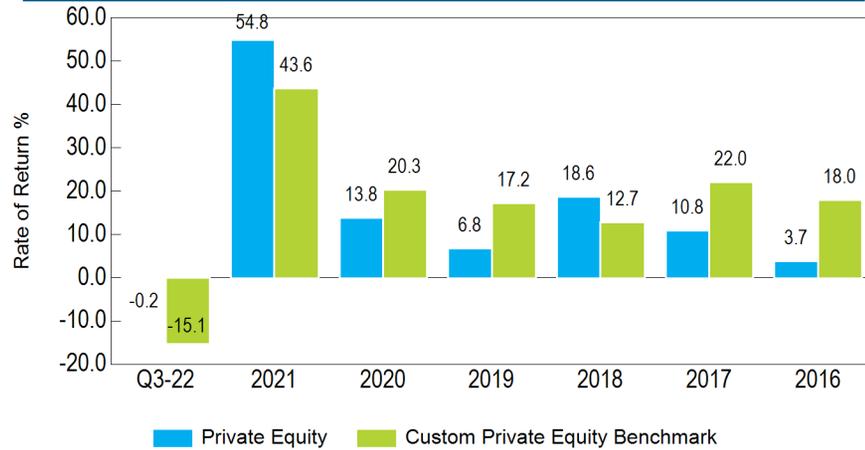
Account Information		Fund Characteristics as of June 30, 2022		Credit Quality as of June 30, 2022	
Account Name	PIMCO Income Fund	Sharpe Ratio (3 Year)	-0.03	AAA	93.16%
Account Structure	Mutual Fund	Average Duration	2.94	AA	0.67%
Investment Style	Active	Effective Duration	2.94	A	0.46%
Inception Date	4/30/19	Modified Duration	2.94	BBB	1.95%
Account Type	Client Directed Opportunistic	Average Coupon		BB	2.15%
Benchmark	Bloomberg US Aggregate TR	Average Effective Maturity	4.83	B	0.55%
Universe	Multisector Bond MStar MF			Below B	1.07%
				Not Rated	0.00%



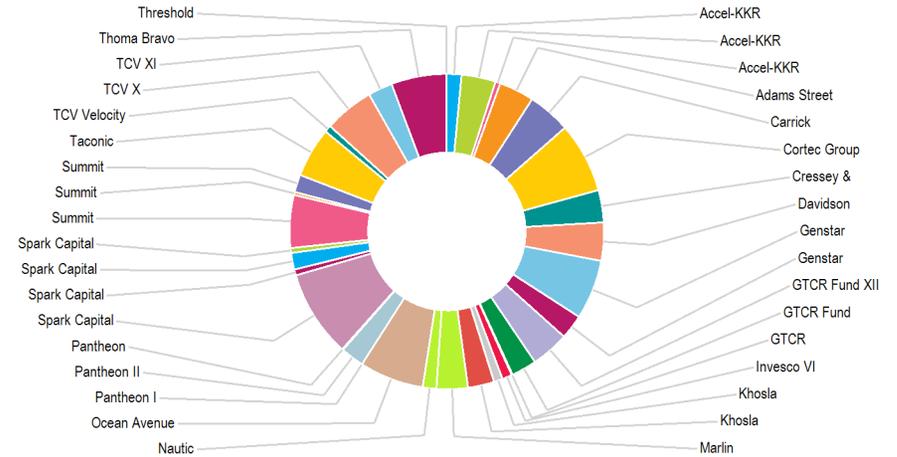
	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>Hedge Fund</b>	<b>1.2</b>	<b>0.0</b>	<b>5.6</b>	<b>4.6</b>	--
<i>Custom Blended Hedge Fund Benchmark</i>	<i>-0.4</i>	<i>-6.6</i>	<i>4.1</i>	<i>3.1</i>	--
<i>InvMetrics All DB Hedge Funds Net Median</i>	<i>-0.4</i>	<i>-6.7</i>	<i>3.7</i>	<i>3.7</i>	<i>4.3</i>
<i>InvMetrics All DB Hedge Funds Net Rank</i>	<i>22</i>	<i>16</i>	<i>26</i>	<i>29</i>	--



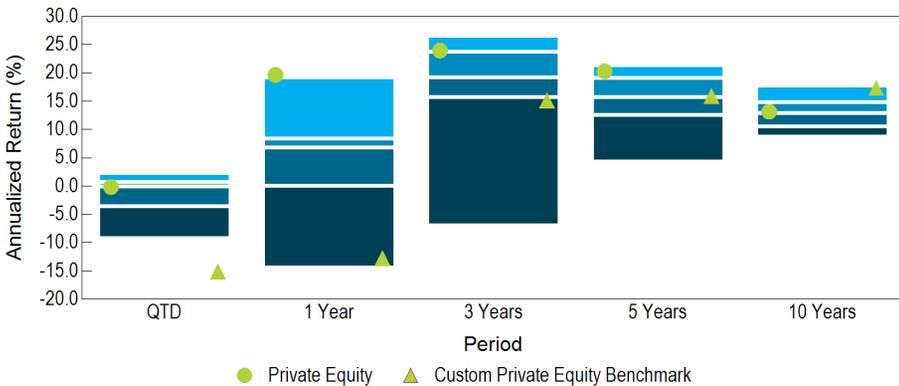
#### Return Summary



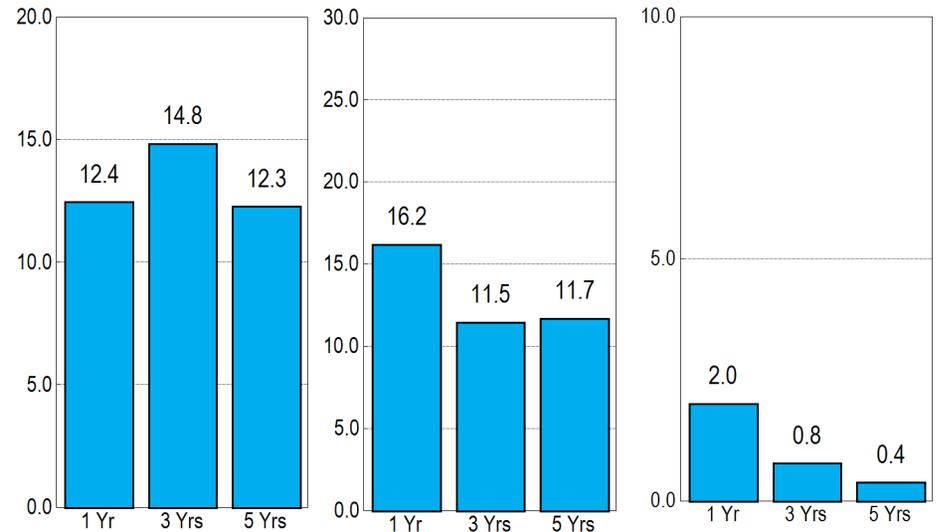
#### Current Allocation

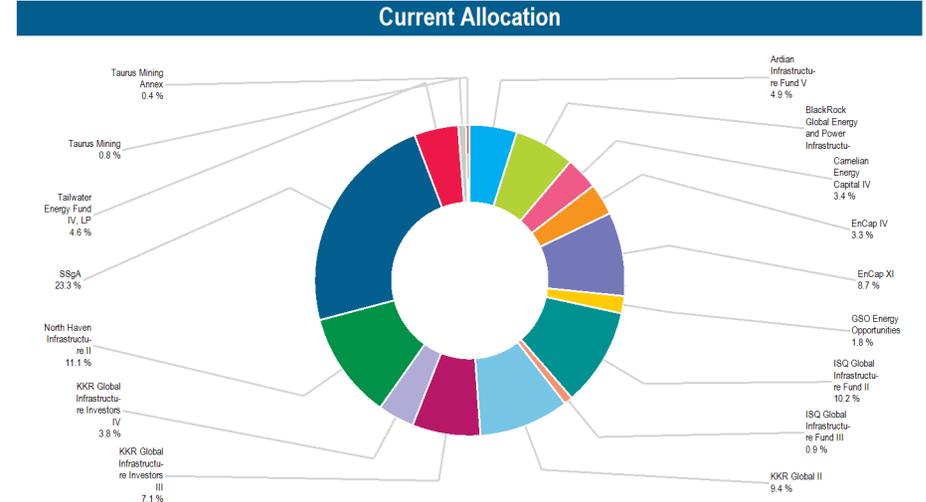
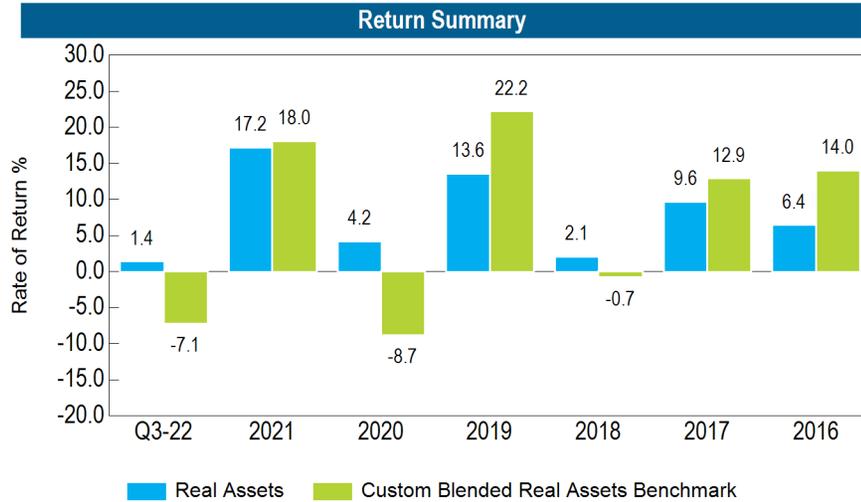


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>Private Equity</b>	<b>-0.2</b>	<b>19.6</b>	<b>23.9</b>	<b>20.3</b>	<b>13.1</b>
Custom Private Equity Benchmark	-15.1	-12.7	15.1	15.9	17.3
InvMetrics All DB Private Eq Net Median	-0.1	6.9	19.3	15.7	12.9
InvMetrics All DB Private Eq Net Rank	56	5	18	14	49



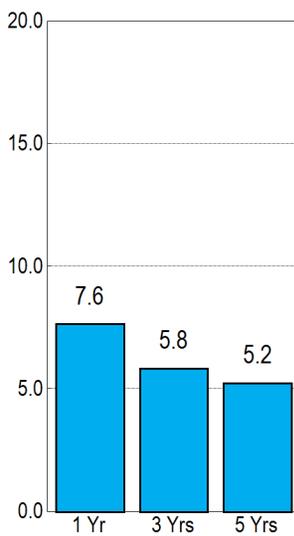
#### Anzld. Std. Deviation | Tracking Error | Information Ratio



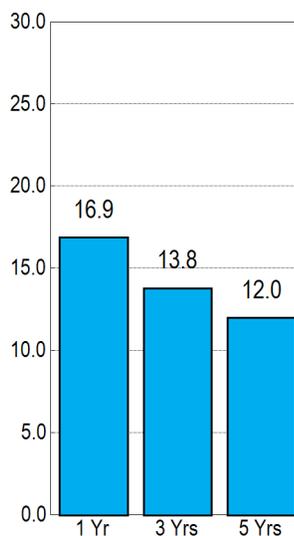


	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>Real Assets</b>	<b>1.4</b>	<b>14.5</b>	<b>11.3</b>	<b>10.0</b>	<b>9.0</b>
<i>Custom Blended Real Assets Benchmark</i>	-7.1	-7.9	2.1	4.5	--
<i>InvMetrics All DB Real Assets/Commodities Net Median</i>	0.0	7.1	7.3	7.4	7.6
<i>InvMetrics All DB Real Assets/Commodities Net Rank</i>	10	17	8	13	26

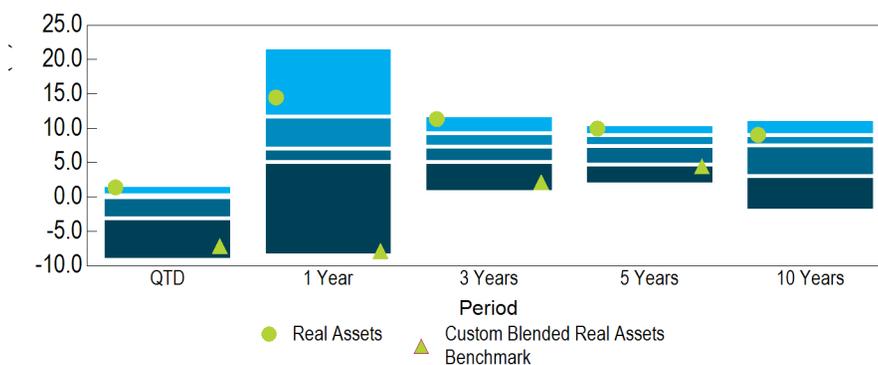
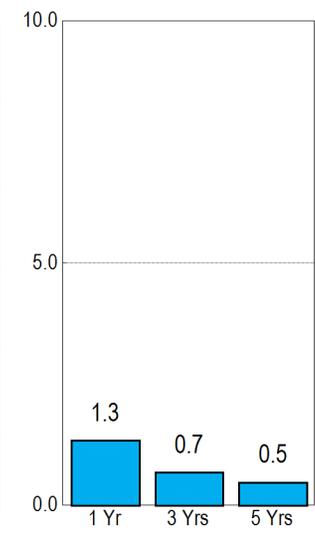
#### Anzld. Std. Deviation

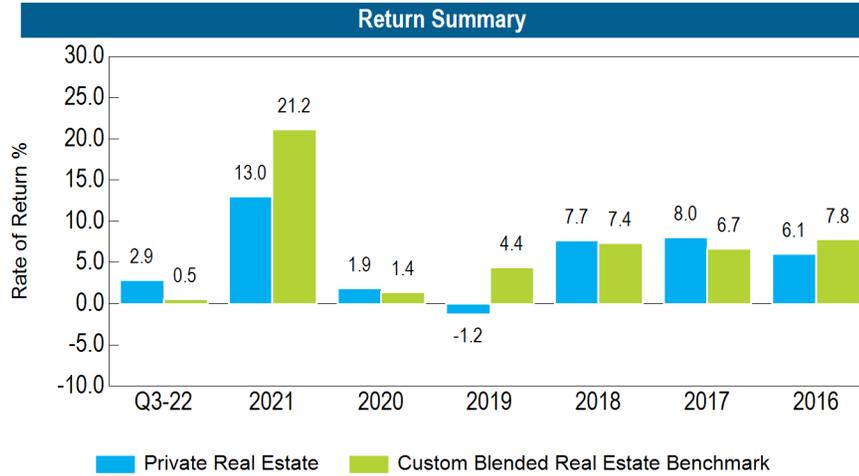


#### Tracking Error

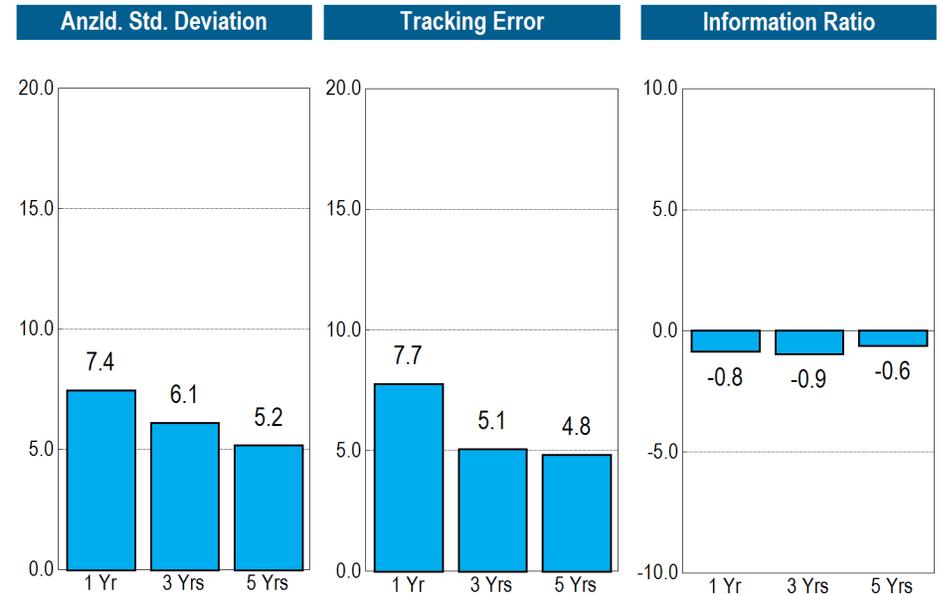
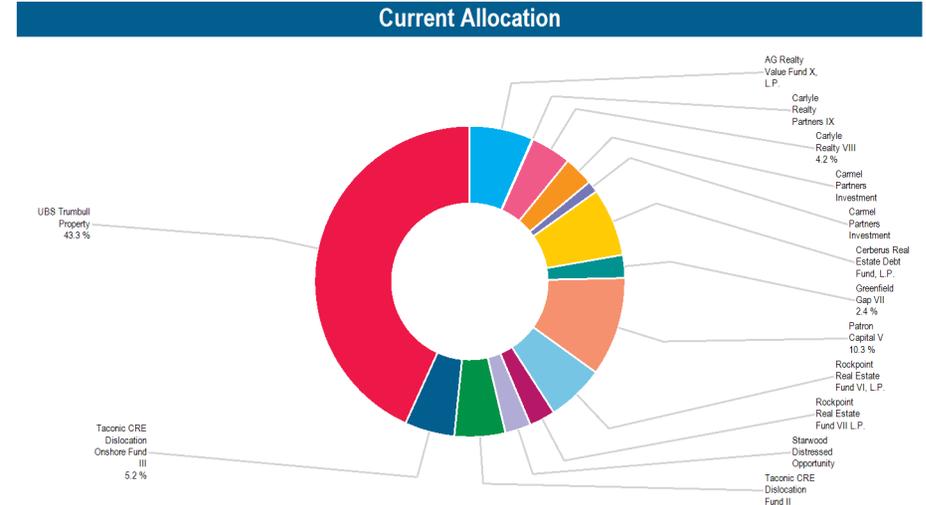
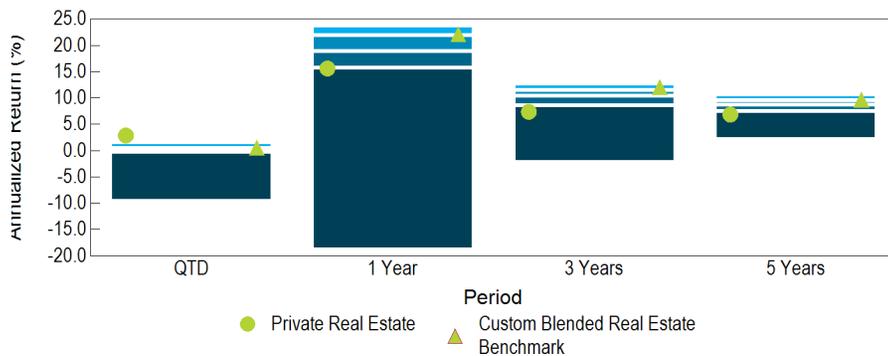


#### Information Ratio





	QTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)
<b>Private Real Estate</b>	<b>2.9</b>	<b>15.6</b>	<b>7.4</b>	<b>6.8</b>	<b>7.4</b>
<i>Custom Blended Real Estate Benchmark</i>	<i>0.5</i>	<i>22.1</i>	<i>12.1</i>	<i>9.7</i>	<i>10.1</i>
<i>InvMetrics All DB Real Estate Pub+Priv Net Rank</i>	<i>1</i>	<i>77</i>	<i>83</i>	<i>79</i>	<i>82</i>
<i>InvMetrics All DB Real Estate Pub+Priv Net Median</i>	<i>0.1</i>	<i>19.0</i>	<i>10.5</i>	<i>8.9</i>	<i>9.4</i>



## **Disclaimer, Glossary, and Notes**

WE HAVE PREPARED THIS REPORT (THIS "REPORT") FOR THE SOLE BENEFIT OF THE INTENDED RECIPIENT (THE "RECIPIENT").

SIGNIFICANT EVENTS MAY OCCUR (OR HAVE OCCURRED) AFTER THE DATE OF THIS REPORT AND THAT IT IS NOT OUR FUNCTION OR RESPONSIBILITY TO UPDATE THIS REPORT. ANY OPINIONS OR RECOMMENDATIONS PRESENTED HEREIN REPRESENT OUR GOOD FAITH VIEWS AS OF THE DATE OF THIS REPORT AND ARE SUBJECT TO CHANGE AT ANY TIME. ALL INVESTMENTS INVOLVE RISK. THERE CAN BE NO GUARANTEE THAT THE STRATEGIES, TACTICS, AND METHODS DISCUSSED HERE WILL BE SUCCESSFUL.

INFORMATION USED TO PREPARE THIS REPORT WAS OBTAINED FROM INVESTMENT MANAGERS, CUSTODIANS, AND OTHER EXTERNAL SOURCES. WHILE WE HAVE EXERCISED REASONABLE CARE IN PREPARING THIS REPORT, WE CANNOT GUARANTEE THE ACCURACY OF ALL SOURCE INFORMATION CONTAINED HEREIN.

CERTAIN INFORMATION CONTAINED IN THIS REPORT MAY CONSTITUTE "FORWARD - LOOKING STATEMENTS," WHICH CAN BE IDENTIFIED BY THE USE OF TERMINOLOGY SUCH AS "MAY," "WILL," "SHOULD," "EXPECT," "AIM," "ANTICIPATE," "TARGET," "PROJECT," "ESTIMATE," "INTEND," "CONTINUE" OR "BELIEVE," OR THE NEGATIVES THEREOF OR OTHER VARIATIONS THEREON OR COMPARABLE TERMINOLOGY. ANY FORWARD-LOOKING STATEMENTS, FORECASTS, PROJECTIONS, VALUATIONS, OR RESULTS IN THIS PRESENTATION ARE BASED UPON CURRENT ASSUMPTIONS. CHANGES TO ANY ASSUMPTIONS MAY HAVE A MATERIAL IMPACT ON FORWARD - LOOKING STATEMENTS, FORECASTS, PROJECTIONS, VALUATIONS, OR RESULTS. ACTUAL RESULTS MAY THEREFORE BE MATERIALLY DIFFERENT FROM ANY FORECASTS, PROJECTIONS, VALUATIONS, OR RESULTS IN THIS PRESENTATION.

PERFORMANCE DATA CONTAINED HEREIN REPRESENT PAST PERFORMANCE. PAST PERFORMANCE IS NO GUARANTEE OF FUTURE RESULTS.

**Credit Risk:** Refers to the risk that the issuer of a fixed income security may default (i.e., the issuer will be unable to make timely principal and/or interest payments on the security).

**Duration:** Measure of the sensitivity of the price of a bond to a change in its yield to maturity. Duration summarizes, in a single number, the characteristics that cause bond prices to change in response to a change in interest rates. For example, the price of a bond with a duration of three years will rise by approximately 3% for each 1% decrease in its yield to maturity. Conversely, the price will decrease 3% for each 1% increase in the bond's yield. Price changes for two different bonds can be compared using duration. A bond with a duration of six years will exhibit twice the percentage price change of a bond with a three-year duration. The actual calculation of a bond's duration is somewhat complicated, but the idea behind the calculation is straightforward. The first step is to measure the time interval until receipt for each cash flow (coupon and principal payments) from a bond. The second step is to compute a weighted average of these time intervals. Each time interval is measured by the present value of that cash flow. This weighted average is the duration of the bond measured in years.

**Information Ratio:** This statistic is a measure of the consistency of a portfolio's performance relative to a benchmark. It is calculated by subtracting the benchmark return from the portfolio return (excess return), and dividing the resulting excess return by the standard deviation (volatility) of this excess return. A positive information ratio indicates outperformance versus the benchmark, and the higher the information ratio, the more consistent the outperformance.

**Jensen's Alpha:** A measure of the average return of a portfolio or investment in excess of what is predicted by its beta or "market" risk.  $\text{Portfolio Return} - [\text{Risk Free Rate} + \text{Beta} * (\text{market return} - \text{Risk Free Rate})]$ .

**Market Capitalization:** For a firm, market capitalization is the total market value of outstanding common stock. For a portfolio, market capitalization is the sum of the capitalization of each company weighted by the ratio of holdings in that company to total portfolio holdings; thus it is a weighted-average capitalization. Meketa Investment Group considers the largest 65% of the broad domestic equity market as large capitalization, the next 25% of the market as medium capitalization, and the smallest 10% of stocks as small capitalization.

**Market Weighted:** Stocks in many indices are weighted based on the total market capitalization of the issue. Thus, the individual returns of higher market-capitalization issues will more heavily influence an index's return than the returns of the smaller market-capitalization issues in the index.

**Maturity:** The date on which a loan, bond, mortgage, or other debt/security becomes due and is to be paid off.

**Prepayment Risk:** The risk that prepayments will increase (homeowners will prepay all or part of their mortgage) when mortgage interest rates decline; hence, investors' monies will be returned to them in a lower interest rate environment. Also, the risk that prepayments will slow down when mortgage interest rates rise; hence, investors will not have as much money as previously anticipated in a higher interest rate environment. A prepayment is any payment in excess of the scheduled mortgage payment.

**Price-Book Value (P/B) Ratio:** The current market price of a stock divided by its book value per share. Meketa Investment Group calculates P/B as the current price divided by Compustat's quarterly common equity. Common equity includes common stock, capital surplus, retained earnings, and treasury stock adjusted for both common and nonredeemable preferred stock. Similar to high P/E stocks, stocks with high P/B's tend to be riskier investments.

**Price-Earnings (P/E) Ratio:** A stock's market price divided by its current or estimated future earnings. Lower P/E ratios often characterize stocks in low growth or mature industries, stocks in groups that have fallen out of favor, or stocks of established blue chip companies with long records of stable earnings and regular dividends. Sometimes a company that has good fundamentals may be viewed unfavorably by the market if it is an industry that is temporarily out of favor. Or a business may have experienced financial problems causing investors to be skeptical about its future. Either of these situations would result in lower relative P/E ratios. Some stocks exhibit above-average sales and earnings growth or expectations for above average growth. Consequently, investors are willing to pay more for these companies' earnings, which results in elevated P/E ratios. In other words, investors will pay more for shares of companies whose profits, in their opinion, are expected to increase faster than average. Because future events are in no way assured, high P/E stocks tend to be riskier and more volatile investments. Meketa Investment Group calculates P/E as the current price divided by the I/B/E/S consensus of twelve-month forecast earnings per share.

**Quality Rating:** The rank assigned a security by such rating services as Fitch, Moody's, and Standard & Poor's. The rating may be determined by such factors as (1) the likelihood of fulfillment of dividend, income, and principal payment of obligations; (2) the nature and provisions of the issue; and (3) the security's relative position in the event of liquidation of the company. Bonds assigned the top four grades (AAA, AA, A, BBB) are considered investment grade because they are eligible bank investments as determined by the controller of the currency.

**Sharpe Ratio:** A commonly used measure of risk-adjusted return. It is calculated by subtracting the risk free return (usually three-month Treasury bill) from the portfolio return and dividing the resulting excess return by the portfolio's total risk level (standard deviation). The result is a measure of return per unit of total risk taken. The higher the Sharpe ratio, the better the fund's historical risk adjusted performance.

**STIF Account:** Short-term investment fund at a custodian bank that invests in cash-equivalent instruments. It is generally used to safely invest the excess cash held by portfolio managers.

**Standard Deviation:** A measure of the total risk of an asset or a portfolio. Standard deviation measures the dispersion of a set of numbers around a central point (e.g., the average return). If the standard deviation is small, the distribution is concentrated within a narrow range of values. For a normal distribution, about two thirds of the observations will fall within one standard deviation of the mean, and 95% of the observations will fall within two standard deviations of the mean.

**Style:** The description of the type of approach and strategy utilized by an investment manager to manage funds. For example, the style for equities is determined by portfolio characteristics such as price-to-book value, price-to-earnings ratio, and dividend yield. Equity styles include growth, value, and core.

**Tracking Error:** A divergence between the price behavior of a position or a portfolio and the price behavior of a benchmark, as defined by the difference in standard deviation.

**Yield to Maturity:** The yield, or return, provided by a bond to its maturity date; determined by a mathematical process, usually requiring the use of a “basis book.” For example, a 5% bond pays \$5 a year interest on each \$100 par value. To figure its current yield, divide \$5 by \$95—the market price of the bond—and you get 5.26%. Assume that the same bond is due to mature in five years. On the maturity date, the issuer is pledged to pay \$100 for the bond that can be bought now for \$95. In other words, the bond is selling at a discount of 5% below par value. To figure yield to maturity, a simple and approximate method is to divide 5% by the five years to maturity, which equals 1% pro rata yearly. Add that 1% to the 5.26% current yield, and the yield to maturity is roughly 6.26%.

$$\frac{5\% \text{ (discount)}}{5 \text{ (yrs. to maturity)}} = 1\% \text{ pro rata, plus } 5.26\% \text{ (current yield)} = 6.26\% \text{ (yield to maturity)}$$

**Yield to Worst:** The lowest potential yield that can be received on a bond without the issuer actually defaulting. The yield to worst is calculated by making worst-case scenario assumptions on the issue by calculating the returns that would be received if provisions, including prepayment, call, or sinking fund, are used by the issuer.

**NCREIF Property Index (NPI):** Measures unleveraged investment performance of a very large pool of individual commercial real estate properties acquired in the private market by tax-exempt institutional investors for investment purposes only. The NPI index is capitalization-weighted for a quarterly time series composite total rate of return.

**NCREIF Fund Index - Open End Diversified Core Equity (NFI-ODCE):** Measures the investment performance of 28 open-end commingled funds pursuing a core investment strategy that reflects funds' leverage and cash positions. The NFI-ODCE index is equal-weighted and is reported gross and net of fees for a quarterly time series composite total rate of return.

Sources: [Investment Terminology](#), International Foundation of Employee Benefit Plans, 1999.  
[The Handbook of Fixed Income Securities](#), Fabozzi, Frank J., 1991

The Russell Indices®, TM, SM are trademarks/service marks of the Frank Russell Company.

Throughout this report, numbers may not sum due to rounding.

Returns for periods greater than one year are annualized throughout this report.

Values shown are in millions of dollars, unless noted otherwise.