



Board of Administration Agenda

REGULAR MEETING

TUESDAY, SEPTEMBER 10, 2019

TIME: 10:00 A.M.

MEETING LOCATION:

LACERS Ken Spiker Boardroom
202 West First Street, Suite 500
Los Angeles, California 90012-4401

Live Board Meetings can be heard at: (213) 621-CITY (Metro), (818) 904-9450 (Valley), (310) 471-CITY (Westside), and (310) 547-CITY (San Pedro Area).

Sign Language Interpreters, Communication Access Real-Time Transcription, Assistive Listening Devices, or other auxiliary aids and/or services may be provided upon request. To ensure availability, you are advised to make your request at least 72 hours prior to the meeting you wish to attend. Due to difficulties in securing Sign Language Interpreters, five or more business days' notice is strongly recommended. For additional information, please contact: Board of Administration Office at (213) 473-7169.

President:	Cynthia M. Ruiz
Vice President:	Michael R. Wilkinson
Commissioners:	Annie Chao Elizabeth Lee Sandra Lee Nilza R. Serrano Sung Won Sohn
Manager-Secretary:	Neil M. Guglielmo
Executive Assistant:	Ani Ghokassian
Legal Counsel:	City Attorney's Office Public Pensions General Counsel Division

- I. PUBLIC COMMENTS ON MATTERS WITHIN THE BOARD'S JURISDICTION
- II. [APPROVAL OF MINUTES FOR REGULAR BOARD MEETING OF AUGUST 27, 2019 AND POSSIBLE BOARD ACTION](#)
- III. BOARD PRESIDENT VERBAL REPORT
- IV. GENERAL MANAGER VERBAL REPORT
 - A. REPORT ON DEPARTMENT OPERATIONS
 - B. UPCOMING AGENDA ITEMS
- V. RECEIVE AND FILE ITEMS
 - A. [BENEFITS PAYMENTS APPROVED BY GENERAL MANAGER](#)

- B. [MARKETING CESSATION NOTIFICATION](#)
- VI. COMMITTEE REPORT(S)
 - A. BENEFITS ADMINISTRATION COMMITTEE VERBAL REPORT ON THE MEETING OF AUGUST 27, 2019
 - B. [BENEFITS ADMINISTRATION COMMITTEE REPORT – ANTHEM BLUE CROSS 2018 YEAR-END ACCOUNTING AND POSSIBLE BOARD ACTION](#)
- VII. BOARD/DEPARTMENT ADMINISTRATION
 - A. [EDUCATION AND TRAVEL EXPENDITURE REPORT FOR FISCAL YEAR 2018-19](#)
- VIII. BENEFITS ADMINISTRATION
 - A. HEALTH LEGISLATION UPDATE
- IX. DIVISION SPOTLIGHT
 - A. MEMBER SERVICE CENTER
- X. INVESTMENTS
 - A. CHIEF INVESTMENT OFFICER VERBAL REPORT
 - B. [PRESENTATION BY NEPC, LLC OF THE PORTFOLIO PERFORMANCE REVIEW REPORT FOR THE QUARTER ENDING JUNE 30, 2019](#)
- XI. DISABILITY RETIREMENT APPLICATION(S)
 - A. **CLOSED SESSION PURSUANT TO GOVERNMENT CODE SECTION 54957(b) TO CONSIDER THE DISABILITY RETIREMENT APPLICATION OF JOSEFINA AGUAYO SANTANA AND POSSIBLE BOARD ACTION**
 - B. **CLOSED SESSION PURSUANT TO GOVERNMENT CODE SECTION 54957(b) TO CONSIDER THE DISABILITY RETIREMENT APPLICATION OF RAFAEL ZARAGOZA AND POSSIBLE BOARD ACTION**
- XII. OTHER BUSINESS
- XIII. NEXT MEETING: The next Regular meeting of the Board is scheduled for Tuesday, September 24, 2019 at 10:00 a.m. in the LACERS Ken Spiker Boardroom, 202 West First Street, Suite 500, Los Angeles, CA 90012-4401.
- XIV. ADJOURNMENT

MINUTES OF THE REGULAR MEETING
BOARD OF ADMINISTRATION
LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM

LACERS Ken Spiker Boardroom
202 West First Street, Fifth Floor
Los Angeles, California

August 27, 2019

10:10 a.m.

Agenda of: Sept. 10, 2019

Item No: II

PRESENT:	President:	Cynthia M. Ruiz
	Vice President:	Michael R. Wilkinson
	Commissioners:	Annie Chao Sandra Lee Nilza R. Serrano Sung Won Sohn
	Manager-Secretary:	Neil M. Guglielmo
	Executive Assistant:	Ani Ghoukassian
	Legal Counsel:	Anya Freedman
ABSENT:	Commissioner:	Elizabeth Lee

The Items in the Minutes are numbered to correspond with the Agenda.

I

PUBLIC COMMENTS ON MATTERS WITHIN THE BOARD'S JURISDICTION – President Ruiz asked if there were any persons who wished to speak on matters within the Board's jurisdiction, to which there was no response and no public comment cards were received.

II

APPROVAL OF MINUTES FOR REGULAR BOARD MEETING OF AUGUST 13, 2019 AND POSSIBLE BOARD ACTION – A motion to approve the Regular Board Meeting minutes of August 13, 2019 was moved by Commissioner Serrano, seconded by Vice President Wilkinson, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.

III

BOARD PRESIDENT VERBAL REPORT – President Ruiz congratulated all the LACERS Guiding Principles Award winners and thanked all the Commissioners who attended the event.

IV

GENERAL MANAGER VERBAL REPORT

- A. REPORT ON DEPARTMENT OPERATIONS – Neil M. Guglielmo, General Manager, discussed the following items:
- Medicare prescription drug catastrophic phase.
 - LACERS Strategic Plan Annual Report FY 2019-20 is available online.
 - LACERS Guiding Principles Event.
 - LACERS *Well* events.
- B. UPCOMING AGENDA ITEMS – Mr. Guglielmo stated the following items will be on an upcoming Board agenda:
- September 10th Board: Anthem Year-End Accounting

V

- A. MONTHLY REPORT ON SEMINARS AND CONFERENCES FOR JULY 2019 – The report was received by the Board and filed.

VI

COMMITTEE REPORT(S)

- A. INVESTMENT COMMITTEE VERBAL REPORT ON THE MEETING OF AUGUST 13, 2019 – Commissioner Sohn stated the Committee was presented with Investment Manager Contracts with AQR Capital Management, LLC and Quantitative Management Associates, LLC, Semi-Finalists of the High Yield/Bank Loan Credit Investment Manager Search, and the Annual Report on LACERS Emerging Investment Manager Program.

VII

BOARD/DEPARTMENT ADMINISTRATION

- A. TRAVEL AUTHORITY – COMMISSIONER SANDRA LEE; COUNCIL OF INSTITUTIONAL INVESTORS PENSION FUND TRUSTEE TRAINING – FIDUCIARY FITNESS, BERKELEY, CA; OCTOBER 4, 2019 AND POSSIBLE BOARD ACTION – Commissioner Serrano moved approval of the following Resolution:

**TRAVEL AUTHORITY
COUNCIL OF INSTITUTIONAL INVESTORS
PENSION FUND TRUSTEE TRAINING – FIDUCIARY FITNESS
OCTOBER 4, 2019
BERKELEY, CALIFORNIA**

RESOLUTION 190827-A

WHEREAS, Board approval is required for all international travel requests and travel not included in the Approved List of Educational Seminars;

WHEREAS, the Council of Institutional Investors (CII) Pension Fund Trustee Training – Fiduciary Fitness in Berkeley, California is not included in the Approved List of Educational Seminars, and therefore requires individual approval;

WHEREAS, the sound management of the assets and liabilities of a trust fund imposes a continuing need for all Board Members to attend professional and educational conferences, seminars, and other educational events that will better prepare them to perform their fiduciary duties;

THEREFORE, BE IT RESOLVED, that Commissioner Sandra Lee is hereby authorized to attend the CII Pension Fund Trustee Training – Fiduciary Fitness on October 4, 2019 in Berkeley, California;

BE IT FURTHER RESOLVED, that the reimbursement of up to \$1,500 is hereby authorized for reasonable expenses in connection with participation.

Which motion was seconded by Commissioner Sohn, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.

VIII

BENEFITS ADMINISTRATION

- A. 2020 HEALTH PLAN PREMIUMS AND POSSIBLE BOARD ACTION – Alex Rabrenovich, Chief Benefits Analyst with Health Benefits Administration & Communications Division and Borden Darm with Keenan and Associates presented this item to the Board. Commissioner Chao moved approval of the following Resolution:

2019 LACERS HEALTH PLAN PREMIUMS

RESOLUTION 190827-B

2019 CALIFORNIA MEDICAL PLAN PREMIUM RATES				
Medicare Status	Anthem Blue Cross PPO/ Med Supplement	Kaiser Permanente HMO / Senior Advantage	Anthem Blue Cross HMO / UnitedHealthcare Med Adv HMO	Anthem Blue Cross / Senior Care Action Network (SCAN)
Single-Party Plan – Retiree Only				
U	\$1,262.42	\$853.39	\$944.07	\$944.07
M	\$534.12	\$262.47	\$265.30	\$259.81
Two-Party Plan – Retiree and One Dependent				
UU	\$2,524.84	\$1,706.78	\$1888.14	\$1888.14
UM	\$1,796.54	\$1,115.86	\$1,209.37	\$1,203.88
MU	\$1,796.54	\$1,115.86	\$1,209.37	\$1,203.88
MM	\$1,068.24	\$524.94	\$530.60	\$519.62
Family Plan – Retiree and Family				

UUU	\$2,966.69	\$2,218.82	\$2,454.58	\$2,454.58
UMU	\$2,238.39	\$1,627.90	\$1,775.81	\$1,770.32
MUU	\$2,238.39	\$1,627.90	\$1,775.81	\$1,770.32
MMU	\$1,510.09	\$1,036.98	\$1,097.04	\$1,086.06
MMM	\$1,602.36	\$786.81	\$795.90	\$779.43

2019 UNITED HEALTHCARE MEDICARE ADVANTAGE HMO NON-CALIFORNIA PREMIUM RATES		
Medicare Status	Arizona	Nevada
Single-Party Plan – Retiree Only		
U	N/A	N/A
M	\$336.24	\$236.47
Two-Party Plan – Retiree and One Dependent		
UU	N/A	N/A
UM	N/A	N/A
MU	N/A	N/A
MM	\$672.48	\$472.94
Family Plan – Retiree and Family		
UUU	N/A	N/A
UMU	N/A	N/A
MUU	N/A	N/A
MMU	N/A	N/A
MMM	\$1,008.72	\$709.41

2019 DENTAL PLAN PREMIUM RATES		
Dental Tiers	Dental Dental PPO	DeltaCare USA HMO
Retiree	\$51.16	\$13.57
Retiree + 1 Dependent	\$101.45	\$25.33
Retiree + Family	\$146.56	\$29.28

2019 VISION PLAN PREMIUM RATES	
Tiers	Anthem Blue View Vision
Retiree	\$8.39
Retiree + 1 Dependent	\$12.18
Retiree + Family	\$21.75

Which motion was seconded by Vice President Wilkinson, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.

- B. 2020 MAXIMUM SUBSIDY AND REIMBURSEMENT AMOUNTS AND POSSIBLE BOARD ACTION – Bruce Bernal, Senior Management Analyst II with Health Benefits Administration & Communications Division presented this item to the Board. Commissioner Chao moved approval of the following Resolution:

**MAXIMUM HEALTH PLAN SUBSIDIES AND REIMBURSEMENT AMOUNTS
FOR PLAN YEAR 2020**

RESOLUTION 190827-C

WHEREAS, the Los Angeles Administrative Code establishes that the Los Angeles City Employees' Retirement System (LACERS) provide health and welfare programs for retired employees and their eligible dependents;

WHEREAS, Section 4.1111(b) of the Los Angeles Administrative Code provides that by resolution, the Board of Administration may change the maximum monthly medical subsidy for eligible Tier 1 retirees who retired before July 1, 2011, so long as any increase does not exceed the dollar increase in the Kaiser two-party non-Medicare plan premium and the average percentage increase for the first year of the increase and the preceding two years does not exceed the average assumed actuarial medical trend rate for the same period;

WHEREAS, Section 4.1111(c) of the Los Angeles Administrative Code provides that by resolution, the Board of Administration shall, for Tier 1 retirees what at any time prior to retirement made additional contributions to LACERS as provided in Section 4.1003(c) of the Los Angeles Administrative Code, set the increase in the maximum medical plan premium subsidy at an amount not less than the dollar increase in the Kaiser two-party non-Medicare Part A and B premium;

WHEREAS, Sections 4.1112(b) and 4.1112(d) of the Los Angeles Administrative Code provide that by resolution, the Board of Administration may increase the monthly reimbursement maximum of eligible retirees participating in the Medical Premium Reimbursement Program;

WHEREAS, Section 4.1114(a) of the Los Angeles Administrative Code provides the Board of Administration may, in its discretion, decrease or increase the maximum retiree dental plan subsidy to reflect changes in the dental plan subsidy provided to active City of Los Angeles employees;

WHEREAS, on August 13, 2019, the Benefits Administration Committee approved forwarding staff's recommended maximum medical plan premium subsidy, reimbursement amounts, and dental subsidy;

WHEREAS, on August 27, 2019, the Board of Administration approved the Committee's recommendations;

NOW, THEREFORE, BE IT RESOLVED, that the Board of Administration hereby adopts the following 2020 health benefit subsidies and reimbursements:

Benefit Type	Tier 1 Retired Before July 1, 2011 "Discretionary"	Tier 1 Retired After July 1, 2011 "Vested"	Tier 3
Retiree Medical Subsidy, <65/Medicare Part B	\$1,790.80	\$1,790.80	-
Retiree MPRP Reimbursement, <65/Medicare Part B	\$1,790.80	\$1,790.80	-

Retiree MPRP Reimbursement, Medicare Parts A and B	\$550.57	\$550.57	\$550.57
Retiree Dental Subsidy	\$44.60	\$44.60	\$44.60

Which motion was seconded by Commissioner Serrano, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, and Vice President Wilkinson, and President Ruiz -6; Nays, None.

Commissioner Sohn left the Regular Meeting at 10:33 a.m.

C. BOARD RULE FOR MEDICAL PREMIUM REIMBURSEMENT PROGRAM DEPENDENT REIMBURSEMENT AND POSSIBLE BOARD ACTION – Alex Rabrenovich, Chief Benefits Analyst with Health Benefits Administration & Communications Division presented this item to the Board. Vice President Wilkinson moved approval of the following Resolution:

**MEDICAL PREMIUM REIMBURSEMENT PROGRAM
DEPENDENT REIMBURSEMENT**

RESOLUTION 190827-D

WHEREAS, the Medical Premium Reimbursement Program (MPRP) was established to provide Members that reside outside of California or within California, but outside a LACERS HMO zip code service area greater options in finding a medical insurance plan and receiving their medical plan premium subsidy;

WHEREAS, Members participating in the MPRP may enroll in and pay the monthly premiums of a qualified non-LACERS medical plan, and receive a quarterly reimbursement of their monthly premium costs up to their medical subsidy amount;

WHEREAS, the maximum amount of reimbursements available to MPRP participants is equal to the maximum medical subsidies available to Members enrolled in a LACERS medical plan, with the exception of those Members with Medicare Parts A and B;

WHEREAS, Members with Medicare Parts A and B are provided a reimbursement that is equal to the single-party premium of the highest-cost LACERS Medicare plan, but there is no provision of a reimbursement to cover the premium cost of a dependent;

WHEREAS, Members with Medicare Parts A and B that are enrolled in a LACERS medical plan are provided a subsidy to be applied toward the cost of a dependent;

WHEREAS, at the August 13, 2019, Benefits Administration Committee meeting, the Committee approved forwarding a Board rule that provides Members with Medicare Parts A and B a reimbursement of premium costs associated with their medical plan dependent;

NOW, THEREFORE, BE IT RESOLVED that the Board hereby adopts the following Board rule effective July 1, 2019:

HBA 5(h): A Member enrolled in Medicare Parts A and B, providing medical coverage for an eligible dependent, and participating in the MPRP, will be eligible to receive a total reimbursement that shall not exceed the amount of subsidy available to Members enrolled in the LACERS Kaiser Permanente Senior Advantage plan covering a non-Medicare dependent in the LACERS Kaiser Permanente HMO plan (for 2019, this amount is \$1,115.86).

Which motion was seconded by Commissioner Serrano, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Vice President Wilkinson, and President Ruiz -5; Nays, None.

D. DISABILITY MEDICAL EVALUATION SERVICE PROVIDER REQUEST FOR PROPOSAL – PROPOSER RECOMMENDATIONS AND POSSIBLE BOARD ACTION – Ferralyn Sneed, Senior Management Analyst II with Retirement Services Division, presented this item to the Board. Commissioner Serrano moved approval of the following Resolution:

**CONTRACT AWARD TO
QTC MEDICAL GROUP, INC. AND MITCHELL INTERNATIONAL DBA MCN
TO PROVIDE DISABILITY MEDICAL EVALUATION SERVICES**

RESOLUTION 190827-E

WHEREAS, LACERS requires the services of a disability medical evaluation firm to assist with the administration of retirement benefits by securing professional and affordable medical evaluation services in determining the medical status of disability retirement applicants;

WHEREAS, on August 13, 2019, the Benefits Administration Committee reviewed the qualifications and services provided by QTC Medical Group, Inc. and Mitchell International dba MCN and the recommendations of staff on the efficiency and efficacy of procuring disability medical evaluation services through an outside contractor;

WHEREAS, the Committee, after some discussion, concluded that QTC Medical Group, Inc. and Mitchell International dba MCN were the most qualified respondents to provide disability medical evaluation services to LACERS;

NOW, THEREFORE BE IT RESOLVED that the Board:

(1) Approve contract awards to QTC Medical Group, Inc. and Mitchell International dba MCN for Disability Medical Evaluation Services; and,

Authorize the General Manager to negotiate terms and execute the contracts with the chosen providers in the amount not to exceed \$220,000 per year for three years with the option to renew the contracts for an additional three years.

Which motion was seconded by Vice President Wilkinson, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Vice President Wilkinson, and President Ruiz -5; Nays, None.

Commissioner Sohn returned to the Regular Meeting at 10:41 a.m.

INVESTMENTS

A. CHIEF INVESTMENT OFFICER VERBAL REPORT – Rod June, Chief Investment Officer, reported on the portfolio value, \$17.92 Billion as of August 26, 2019. Mr. June discussed the following items:

- Staff created a multi-page tutorial to help respondents of RFPs.
- Mr. June attending the Association of Asian American Investment Managers Conference in New York from September 4-5, 2019.
- Future Agenda Items: Total Fund Performance Review for the period ending June 30, 2019

Mr. June introduced the newest member of the Investments Division, Robert King, Investment Officer I. Mr. King introduced himself and shared his past experience and education.

B. INVESTMENT MANAGER CONTRACT WITH AQR CAPITAL MANAGEMENT, LLC REGARDING THE MANAGEMENT OF AN ACTIVE NON-U.S. SMALL CAP EQUITIES PORTFOLIO AND POSSIBLE BOARD ACTION – Rod June, Chief Investment Officer and Barbara Sandoval, Investment Officer II, presented this item to the Board. Commissioner Sohn moved approval of the following Resolution:

**CONTRACT EXTENSION
AQR CAPITAL MANAGEMENT, LLC
ACTIVE NON-U.S. SMALL CAP EQUITIES
PORTFOLIO MANAGEMENT**

RESOLUTION 190827-F

WHEREAS, LACERS current three-year contract with AQR Capital Management, LLC (AQR) for active non-U.S. small cap equities portfolio management expires on January 31, 2020; and,

WHEREAS, on May 13, 2019, AQR was placed on “On Watch” status pursuant to the LACERS Manager Monitoring Policy; and,

WHEREAS, a contract extension with AQR will allow the fund to maintain a diversified exposure to non-U.S. developed markets equities; and,

WHEREAS, on August 27, 2019, the Board approved the Investment Committee’s recommendation to approve a one-year contract extension with AQR; and,

NOW, THEREFORE, BE IT RESOLVED, that the General Manager is hereby authorized to approve and execute a contract subject to satisfactory business and legal terms and consistent with the following services and terms:

Company Name: AQR Capital Management, LLC

Service Provided: Active Non-U.S. Small Cap Equities

Portfolio Management

Effective Dates: February 1, 2020 through January 31, 2021

Duration: One year

Benchmark: MSCI EAFE Small Cap Index

Allocation as of
July 31, 2019: \$266 million

Which motion was seconded by Commissioner Serrano, and adopted by the following vote: Ayes, Commissioners Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -5; Nays, Commissioner Chao -1.

- C. INVESTMENT MANAGER CONTRACT WITH QUANTITATIVE MANAGEMENT ASSOCIATES, LLC REGARDING MANAGEMENT OF AN ACTIVE EMERGING MARKETS CORE EQUITIES PORTFOLIO AND POSSIBLE BOARD ACTION – Commissioner Serrano moved approval of the following Resolution:

**CONTRACT EXTENSION
QUANTITATIVE MANAGEMENT ASSOCIATES, LLC
ACTIVE EMERGING MARKETS CORE EQUITIES
PORTFOLIO MANAGEMENT**

RESOLUTION 190827-G

WHEREAS, LACERS current three-year contract with Quantitative Management Associates, LLC (QMA) for active emerging markets core equities portfolio management expires on December 31, 2019; and,

WHEREAS, on July 29, 2019, QMA was placed on “On Watch” status pursuant to the LACERS Manager Monitoring Policy; and,

WHEREAS, a contract extension with QMA will allow the fund to maintain a diversified exposure to non-U.S. equities emerging markets; and,

WHEREAS, on August 27, 2019, the Board approved the Investment Committee’s recommendation to approve a one-year contract extension with QMA; and,

NOW, THEREFORE, BE IT RESOLVED, that the General Manager is hereby authorized to approve and execute a contract subject to satisfactory business and legal terms and consistent with the following services and terms:

Company Name: Quantitative Management Associates, LLC

Service Provided: Active Emerging Markets Core Equities
Portfolio Management

<u>Effective Dates:</u>	January 1, 2020 through December 31, 2021
<u>Duration:</u>	One year
<u>Benchmark:</u>	MSCI Emerging Markets Index
<u>Allocation as of July 31, 2019:</u>	\$436 million

Which motion was seconded by Commissioner Sohn, and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.

- D. NOTIFICATION OF COMMITMENT OF UP TO \$25 MILLION IN FS EQUITY PARTNERS VIII, L.P. – This report was received by the Board and filed.
- E. NOTIFICATION OF COMMITMENT OF UP TO \$45 MILLION IN ADVENT INTERNATIONAL GPE IX, L.P. – This report was received by the Board and filed.
- F. NOTIFICATION OF COMMITMENT OF UP TO \$15 MILLION IN ADVENT GLOBAL TECHNOLOGY, L.P. – This report was received by the Board and filed.
- G. NOTIFICATION OF COMMITMENT OF UP TO \$50 MILLION IN PLATINUM EQUITY CAPITAL PARTNERS V, L.P. – This report was received by the Board and filed.
- H. NOTIFICATION OF COMMITMENT OF UP TO \$35 MILLION IN TA XIII, L.P. – This report was received by the Board and filed.
- I. NOTIFICATION OF COMMITMENT OF UP TO \$35 MILLION IN NEW ENTERPRISE ASSOCIATES 17, L.P. – This report was received by the Board and filed.
- J. CONTINUED DISCUSSION ON PRIVATE EQUITY INVESTMENT MANAGEMENT – David Fann, Heidi Poon, and Jeff Goldberger with Torrey Cove presented this item to the Board.

X

DISABILITY RETIREMENT APPLICATION(S)

- A. CONSIDER THE DEFERRAL REQUEST FOR DISABILITY RETIREMENT APPLICATION OF AZAR NEJAD AND POSSIBLE BOARD ACTION – Estella Priebe, Management Analyst II with Retirement Services Division presented this item to the Board. Commissioner Serrano moved approval, seconded by Vice President Wilkinson and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.
- B. CONSIDER THE DISABILITY RETIREMENT APPLICATION OF KIRSTEN PEREZ AND POSSIBLE BOARD ACTION – Commissioner Serrano moved approval, seconded by

Commissioner Sohn and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.

President Ruiz recessed the Regular Meeting at 11:44 a.m. to convene in Closed Session. James Napier, Deputy City Attorney was present during the Closed Session Disability Retirement Application items.

C. CLOSED SESSION PURSUANT TO GOVERNMENT CODE SECTION 54957(b) TO CONSIDER THE DISABILITY RETIREMENT APPLICATION OF ANDRES HERRERA AND POSSIBLE BOARD ACTION

D. CLOSED SESSION PURSUANT TO GOVERNMENT CODE SECTION 54957(b) TO CONSIDER THE DISABILITY RETIREMENT APPLICATION OF WILLIAM KEOGH AND POSSIBLE BOARD ACTION

XI

LEGAL/LITIGATION

A. CLOSED SESSION PURSUANT TO GOVERNMENT CODE SECTION 54956.81 TO CONSIDER THE PURCHASE OF TWO (2) PARTICULAR, SPECIFIC INVESTMENTS AND POSSIBLE BOARD ACTION

President Ruiz reconvened the Regular Meeting at 11:52 a.m. and announced that the Board unanimously approved the Disability Retirement Applications of Andres Herrera and William Keogh. President Ruiz also announced that Item XI-A was withdrawn.

B. ENGAGEMENT OF OUTSIDE COUNSEL WITH EXPERTISE IN HEALTH LAW AND DATA PRIVACY AND POSSIBLE BOARD ACTION – Anya Freedman, Assistant City Attorney presented this item to the Board. After discussion, Commissioner Serrano moved approval, seconded by Commissioner Chao and adopted by the following vote: Ayes, Commissioners Chao, Sandra Lee, Serrano, Sohn, Vice President Wilkinson, and President Ruiz -6; Nays, None.

XII

OTHER BUSINESS – There was no other business.

XIII

NEXT MEETING – The next Regular meeting of the Board is scheduled for Tuesday, September 10, 2019 at 10:00 a.m. in the LACERS Ken Spiker Boardroom, 202 West First Street, Suite 500, Los Angeles, CA 90012-4401.

XIV

ADJOURNMENT – There being no further discussion before the Board, President Ruiz adjourned the meeting at 12:05 p.m.

Cynthia M. Ruiz
President

Neil M. Guglielmo
Manager-Secretary

BENEFIT PAYMENTS APPROVED BY GENERAL MANAGER: ITEM V-A

Pursuant to the authority delegated to the General Manager under Board Rule GMA 1, General Manager Authorization, adopted by the Board of Administration on June 14, 2016, the following benefit payments have been approved by the General Manager:

SERVICE RETIREMENTS

<u>Member Name</u>	<u>Service Department</u>	<u>Classification</u>
Aguilar, Ricardo	38 Dept. of Airports	Airport Police Ofc
Alicante, Valentin Revilla	30 ITA	Sr Computer Operator
Amanti, Lori A	34 Dept. of Bldg. & Safety	Administrative Clerk
Ardalan, Jamileh Valizadeh	29 Dept. of Transportation	Sr Systems Analyst
Arnold, Jeannette Fong Ping	39 GSD - Mail Svcs.	Ch Clerk
Ashbaugh, David Edward	34 PW - Sanitation	W/Wtr Trmt Oper
Avila, Alfonso	10 LA Housing Dept.	Housing Inspector
Babicka, Jon Frank	25 Police Dept. - Civilian	Criminalist
Bell, Denise Marie	34 City Planning Dept.	Administrative Clerk
Benham, Kenneth W	21 Library Dept.	Librarian
Blumenkopf, Neil D	27 City Attorney's Office	Deputy City Atty
Bradford, Stephen	11 ITA	Programmer/Analyst
Brosius, John B	32 PW - Sanitation	Constr & Maint Supv
Brubaker, Brenda Marie	18 Police Dept. - Civilian	Management Analyst
Burke, Nancy G	6 Council	Council Aide
Chang, Richard L	30 Dept. of Airports	Sr Constr Inspector
Clausell, Bobbie Jean	19 Police Dept. - Civilian	Administrative Clerk
Contreras, Rosa	14 Dept. of Airports	Custodian Airport
Costa, David A	33 Zoo Dept.	Sr Gardener
Davis, Alan D	19 PW - Sanitation	Equipmnt Operator
Devisfruto, Luis Finolan	27 GSD - Fleet Services	Equipmnt Mechanic
Dooley, Delilah	31 Office of Finance	Pr Clerk
Dresser, Nora Jeanne	17 City Planning Dept.	City Planner
Durkee, Steven G	24 Dept. of Airports	Environmental Spec
Farrell, Wesley J	30 Dept. of Bldg. & Safety	Build Civil Engr
Fisher, Eva E	42 City Attorney's Office	City Atty Admin Crd
Fisher, Thomas	20 LA Housing Dept.	Housing Inspector
French, Richard J	23 Police Dept. - Civilian	Management Analyst
Gaona, Alfonso	35 PW - St. Maint.	Cement Finisher
Garcia, Antonio G	27 Harbor Dept.	Sr Constr Inspector
Garcia, Sonia Tarin	31 LA Housing Dept.	Sr Mgmt Analyst
Gardere, Leonor	30 Personnel Dept.	Sr Personnel Analyst
Giambastiani, George A	16 GSD - Fleet Services	Automotive Supervisor
Girgis, Nashaat Anis	37 ITA	Commun Electrician

Gonzales, Marcia J	38 City Attorney's Office	Deputy City Atty
Gonzalez Funches, Gloria	30 Police Dept. - Civilian	Administrative Clerk
Guinid, Orlando G	32 PW - Engineering	Engrg Designer
Hendrix, Sharon A	14 Dept. of Airports	Custodian Airport
Hinkle, Richard V	30 Dept. of Airports	Airport Police Lt
Howard, Camille Bonita	19 Police Dept. - Civilian	Crime & Intel Anlyst
Jackson, Natalie Lorraine	29 Police Dept. - Civilian	Police Service Rep
Jason, Steven F	34 PW - Resurf & Reconstr	St Svcs Supvr
Johnson, David B	24 Dept. of Airports	Sr Mgmt Analyst
Jones, Scott Aalan	16 PW - Special Proj Constr	Cement Finisher
Josef, Lodi C	27 Dept. of Transportation	Sr Civil Engr Draft Tec
Knox, Johnny A	21 PW - Sanitation	Truck Operator
Lagunzad, Gerardo D	18 PW - Engineering	Engrg Designer
Lewis, Marlene C	25 Dept. of Airports	Programmer/Analyst
Luna, Rosary Ann	13 Dept. of Rec. & Parks	Administrative Clerk
Mardis-Owens, Tracy Renee	30 Dept. of Transportation	Commun Info Rep
Martinez, Rafael	17 PW - St. Maint.	Cement Finisher
Medina, Amelia C	28 LA Housing Dept.	Sr Project Coordinator
Melo, Renato R	27 Harbor Dept.	Pr Clerk
Miller, Scott A	18 GSD - Materials Mgmt.	Storekeeper
Montana, Julie A	28 Dept. of Rec. & Parks	Gardener Caretaker
Najera, Jose M	7 Dept. of Rec. & Parks	Special Prog Asst
Navarro, Paul Andrew	23 GSD - Bldg. Svcs.	Electrician
Newman, Alvin Bernard	38 Office of the CAO	Sr Admin Analyst
Ortega, Angel	31 Council	Exec Admin Asst
Paster, Miranda C	30 Office of the City Clerk	Ch Management Analyst
Rainford, Debora A	31 Personnel Dept.	Sr Personnel Analyst
Ramclam, Jennifer Stuart	35 Police Dept. - Civilian	Sr Administrative Clerk
Ramsey, Jeffery Allen	29 PW - Sanitation	Ref Coll Truck Oper
Reyes, Maricel F	25 Personnel Dept.	Pers Records Supv
Rico, Ruben Edward	16 GSD - Fleet Services	Garage Attendant
Romero, Albert A	33 LA Housing Dept.	Sr Housing Inspector
Ruelas, Anthony Franco	52 Dept. of Transportation	Signal System Electron
Running, Sandra Lee	16 Dept. of Rec. & Parks	Secretary
Salazar, Jorge	34 PW - Sanitation	Ref Coll Truck Oper
Scott, E M	14 Harbor Dept.	Gardener Caretaker
Sepe, Harry Nava	34 PW - Contract Admin	Constr Inspector
Shibuya, Patrick K	33 City Attorney's Office	Deputy City Atty
Steinmehl, Gregory John	33 ITA	Info System Mgr
Ta, Khanh B	30 PW - Engineering	Survey Party Chief
Terry, Audrey R	24 Dept. of Airports	Custodian Airport
Tokich, Tamara Eileen	29 Dept. of Transportation	Traf Officer
Tukich, Lisa	39 City Attorney's Office	Sr Legal Clerk

Urgo, Sammie D	30 City Attorney's Office	Pr Clerk City Atty
Villanueva, Honorato S	19 LACERS	Accountant
Vizcaino, Irma Valenzuela	22 GSD - Public Bldgs.	Parking Attendant
Werling, Norma	29 Dept. of Rec. & Parks	Child Care Associate
Williams, Ronald Lee	31 GSD - Fleet Services	Equip Repair Supvr
Winandy, John Robert	16 City Attorney's Office	Deputy City Atty
Ybarra, Teresa Madeline	35 City Attorney's Office	Legal Assistant
Yip, Chung L	30 PW - Engineering	Survey Party Chief
Young, Michael J	14 Dept. of Bldg. & Safety	Build Mech Inspector

BENEFIT PAYMENTS APPROVED BY GENERAL MANAGER: ITEM V-A

Pursuant to the authority delegated to the General Manager under Board Rule GMA 1, General Manager Authorization, adopted by the Board of Administration on June 14, 2016, the following benefit payments have been approved by the General Manager:

Approved Death Benefit Payments

Deceased

Beneficiary/Payee

TIER 1

Alers, Alejandro

Hazel Alers for the payment of the Burial Allowance

Alfaro, Eva Z

Esther Marie Fields for the payment of the Accrued But Unpaid Continuanace Allowance

Antoniol, Victor Michael

Martha Antoniol for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance

Armstrong, Elvin M

Johnnie Mae Armstrong for the payment of the Accrued But Unpaid Service Retirement Allowance

Juanita Maria Armstrong for the payment of the Burial Allowance

Vina Genell White for the payment of the Burial Allowance

Barnett, Elizabeth

Deora Wells for the payment of the Accrued But Unpaid Survivorship (Retirement) Allowance

Barton, Phillip Dirck Morgan Segall for the payment of the
Accrued But Unpaid Service Retirement Allowance

Beaufait, Joyce D Elaine M Newlin for the payment of the
Accrued But Unpaid Continuance Allowance

Black, Ernest N Hazel Mae Fleming-Black for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Bland, Martin S Athena Danielle Bland for the payment of the
(Deceased Active) Accumulated Contributions

Justin Stanley Bland for the payment of the
Accumulated Contributions

Brittingham, Marion L James Harris Brittingham for the payment of the
Accrued But Unpaid Continuance Allowance

Broadous, Arthur L Deborakh Ann Broadous for the payment of the
(Deceased Active) Accumulated Contributions

Burgner, Larry Eugene Eunice M Burgner for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Camp, Larry Douglas Roberta Hope Camp for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Cecena, Lionel	Gabriel Zauss for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Cortez, Raymundo L	Elsa Marina Bonilla for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Covington, Jennifer Lynn (Deceased Active)	Alice M Baker for the payment of the Accumulated Contributions
Delianedis, John D	Gerald Bernard Berman for the payment of the Burial Allowance
Digirolamo, Maria	Claudia Russell for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Dion, Gregory T (Deceased Active)	Mark William Dion for the payment of the Accumulated Contributions
Dugar, Ronald J (Deceased Active)	Dolores Jean Dugar for the payment of the Accumulated Contributions
Dunbar, Robert Keith	Hiromi Suzuki Dunbar for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance

Earnest, Thomas J	Cheyenne A-Lyise Earnest for the payment of the Accumulated Contributions
Edwards, Sylvester A	Ashley Megan Edwards for the payment of the Accrued But Unpaid Vested Retirement Allowance Unused Contributions Andre Edwards for the payment of the Accrued But Unpaid Vested Retirement Allowance Burial Allowance Unused Contributions Lauren Chrystal Edwards for the payment of the Accrued But Unpaid Vested Retirement Allowance Unused Contributions
Escalante, Sonia M (Deceased Active)	Robert Charles Nesel for the payment of the Accumulated Contributions
Espiritu, Antonio O	Alan Gregory Espiritu for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Fairley, Billy S	Emma Dale Fairley for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Farris, Warren G	Theresa Ravonne Maxie for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Frattali, Ann	Daniel Louis Frattali for the payment of the Accrued But Unpaid Survivorship (Disability) Allowance

Furuya, Fujino

Eric Akira Furuya for the payment of the
Accrued But Unpaid Continuance Allowance

Norman Furuya for the payment of the
Accrued But Unpaid Continuance Allowance

Garber, Janet B

William F And Janet B Garber Trust for the payment of the
Accrued But Unpaid Continuance Allowance

Garcia, Esther T

Elias Martinez Garcia for the payment of the
Accrued But Unpaid Continuance Allowance

Garcia, Rodolfo

Corina Garcia Chen for the payment of the
Burial Allowance

Greenwood, Dennis R

Fukiko E Greenwood for the payment of the
Accrued But Unpaid Disability Retirement Allowance
Burial Allowance

Hall, Robert

Cheryl Ann Hall for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Hamilton, James Myron

Jayce Tramaine Hamilton for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Harris, Leonore J	Jeannine Gay Harris for the payment of the Accrued But Unpaid Continuance Allowance
Heerman, Robert J	Karen E Goodman for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Hernandez, Gilbert A	Teresa Hernandez for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Highwarden, Harold Franklin	Jane Marie Washington for the payment of the Accrued But Unpaid Disability Retirement Allowance Burial Allowance
Hinton, Albert L	Mary Alice Hinton for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Hodge, Charles E	Barbara Jane Hodge for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Jackson, Charlotte	Margaret Marian Jackson for the payment of the Accrued But Unpaid Service Retirement Allowance

Johnson, Betty J

Donna Lei Eberhardt for the payment of the
Accrued But Unpaid Continuance Allowance

Linda Jewyl Boysiewick for the payment of the
Accrued But Unpaid Continuance Allowance

Joichin, Victor

Delores Ann Joichin for the payment of the
Accrued But Unpaid Service Retirement Allowance

Leotha Davis for the payment of the
Burial Allowance

Jurnecka, Joseph E

Ruth & Joseph Jurnecka Trust for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Keyser, John D

Cheryl Lee Young for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Larkin, La Verna A

Douglas William Mccomas for the payment of the
Accrued But Unpaid Survivorship (Retirement) Allowance

Lizarraga, Johnny K

Diane J Lizarraga for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Mac Neil, Robert A

Arlene F Mac Neil for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Manalo, Purificaci T	Manuel B Manalo for the payment of the Accrued But Unpaid Service Retirement Allowance
Mc Hargue, Paula L	James C Mc Hargue for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Mccoy, Robert O	Jonathan James Mccoy for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Milner, Maxine H	Jacquelyn Ann Milner for the payment of the Accrued But Unpaid Continuance Allowance
Mitchell, Patricia	Charles E And Patricia Mitchell Family Trust for the payment of the Accrued But Unpaid Service Retirement Allowance
Moore, Calvin	Marie Moore for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Morales, Berny R (Deceased Active)	Stephanie Veronica Morales for the payment of the Accumulated Contributions
Morales, Richard	Maria Ofelia Morales for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance

Moten, Gwendolyn D	Juanise J Moten for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance Karen Loraine Moten for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Motts, George W	Christena Marie Walker for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Nelson, William A	Jeffrey Scott Nelson for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Nix, David Irving	Elsa Villabona Nix for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Noble, Morris	Betty Lee Baggett for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Odom, Annie L	Richard David Odom for the payment of the Accrued But Unpaid Continuance Allowance
Overstreet, Charley	Jacqueline Renee Marcus for the payment of the Accrued But Unpaid Survivorship (Disability) Allowance Unused Contributions

Park, Gregory Yongpae
(Deceased Active)

Song Hui Park for the payment of the
Accumulated Contributions

Sun Pun Park for the payment of the
Accumulated Contributions

Popevich, Edwin G

Patty Jean Popevich for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Quon, Thomson

So Kit Quon for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Roesner, Gerd R

La Vaughn M Roesner for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Ross, Marion M

Lisa Monae St Julien for the payment of the
Accrued But Unpaid Continuanace Allowance

Royal, Warren G

Carolyn Faye Royal for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Samuels, Joe

Betty T Samuels for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Snyder, Ralph	Phyllis A Snyder for the payment of the Burial Allowance
Spicer, Charles R (Deceased Active)	Kristy Nicole Spicer for the payment of the Accumulated Contributions
St George, Matthew C	Roy Lee Williams for the payment of the Accrued But Unpaid Vested Retirement Allowance Burial Allowance
Stepter, Cedric C (Deceased Active)	Lessie Louise Stepter for the payment of the Accumulated Contributions
Stevenson, Claudette L	Michele Denise Stevenson for the payment of the Accrued But Unpaid Continuance Allowance
Thomas, Rodgner	Barbara Ann Thomas for the payment of the Accrued But Unpaid Service Retirement Allowance Burial Allowance
Thompson, Ronald J	Tonya Derrica Thompson for the payment of the Burial Allowance
Tsai, Tom C (Deceased Active)	Shiow Koan Lin for the payment of the Accumulated Contributions

Ultreras, Cindy
(Deceased Active)

Juana Gurrola Ultreras for the payment of the
Accumulated Contributions

Vallejos, Frank

Stella Vallejos for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Vasquez, Maria L
(Deceased Active)

Filemon Garcia-Arredondo for the payment of the
Accumulated Contributions

Vaughns, Donald Ray

Lillie Mae Vaughns for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

Ware, Pauline L

Dennis Howard Ware for the payment of the
Accrued But Unpaid Continuance Allowance

Wesley, Cleophus H

Michelle R Ford for the payment of the
Burial Allowance

Whelan, Margaret M

Thomas P Whelan for the payment of the
Accrued But Unpaid Service Retirement Allowance

Wilson, Phillis M

Michael Steven Wilson for the payment of the
Accrued But Unpaid Continuance Allowance

Windham, Doris F

Vivian Anne Bradshaw for the payment of the
Accrued But Unpaid Continuance Allowance

Woods, Stephanie L

Christopher James Woods for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance
Unused Contributions

Curtis Woods for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance
Unused Contributions

La Mesha Davida Salsberry for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance
Unused Contributions

Sarah L Salsberry Woods for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance
Unused Contributions

Yule, Therese A

Merrie Alexandra Yule for the payment of the
Accrued But Unpaid Service Retirement Allowance
Burial Allowance

TIER 3
NONE



Agenda of: September 10, 2019

Item No: V-B

MARKETING CESSATION REPORT NOTIFICATION TO THE BOARD

The Board's Marketing Cessation Policy was adopted in order to prevent and avoid the appearance of undue influence on the Board or any of its Members in the award of investment related and other service contracts. Pursuant to this Policy, this notification procedure has been developed to ensure that Board Members and staff are regularly apprised of firms for which there shall be no direct marketing discussions about the contract or the process to award it; or for contracts in consideration of renewal, no discussions regarding the renewal of the existing contract.

Firms listed in Attachments 1 and 2 are subject to limited communications with Board Members and staff pursuant to the Policy and will appear and remain on the list, along with the status, from the first publicized intention to contract for services through the award of the contract. Lists of current LACERS contracts are on file in the Board office and are available upon request.

- Attachments:** 1) Contracts Under Consideration for Renewal
2) Active RFPs and RFQs

LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 1
 CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING

CONTRACTS UNDER CONSIDERATION FOR RENEWAL

NO.	VENDOR / CONSULTANT	DESCRIPTION	INCEPTION DATE	EXPIRATION DATE	MARKETING CESSATION STATUS	RESTRICTED PERIOD*	
						START	END
INVESTMENTS							
1	Axiom International Investors, LLC	Active Growth Non-U.S. Emerging Markets Equities	1/1/2014	12/31/2019	Board awarded contact extension on 7/23/19; negotiations in process.	5/10/2019	6/30/2020
2	Oberweis Asset Management, Inc.	Active Non-U.S. Small Cap Equities	1/1/2014	12/31/2019	Board awarded contact extension on 7/23/19; negotiations in process.	5/10/2019	6/30/2020
3	Quantitative Management Associates, LLC	Active Core Non-U.S. Emerging Markets Equities	1/1/2014	12/31/2019	Board approved contract extension on 8/27/19; negotiations in process	8/8/2019	3/31/2020
4	AQR Capital Management, LLC	Active Non-U.S. Small Cap Equities	2/1/2014	1/31/2020	Board approved contract extension on 8/27/19; negotiations in process	8/8/2019	4/30/2020
ADMINISTRATION DIVISION							
5	Cresa	Real Estate Services	Pending	Pending	Board awarded new contract on 11/28/2017; Contract under review for execution.	10/1/2017	12/31/2019
6	Segal Consulting	Actuarial Consulting Services	Pending	Pending	Board awarded new contract on 7/9/2019; Contract under review for execution.	4/7/2019	10/7/2019

LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 1
 CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING

CONTRACTS UNDER CONSIDERATION FOR RENEWAL

NO.	VENDOR / CONSULTANT	DESCRIPTION	INCEPTION DATE	EXPIRATION DATE	MARKETING CESSATION STATUS	RESTRICTED PERIOD*	
						START	END
HEALTH BENEFITS ADMINISTRATION							
7	Kaiser 2019	Medical HMO	1/1/2019	12/31/2019	Board approved on 8/28/2018; Contract under review for execution.	1/1/2019	12/31/2019
8	SCAN 2019	Medical HMO	1/1/2019	12/31/2019	Board approved on 8/28/2018; Contract under review for execution.	1/1/2019	12/31/2019
9	United Healthcare 2019	Medical HMO	1/1/2019	12/31/2019	Board approved on 8/28/2018; Contract under review for execution.	1/1/2019	12/31/2019
10	Delta Dental 2019	Dental PPO and HMO	1/1/2019	12/31/2019	Board approved on 8/28/2018; Contract under review for execution.	1/1/2019	12/31/2019
11	Anthem Blue View Vision 2019	Vision Services Contract	1/1/2019	12/31/2019	Board approved on 8/28/2018; Contract under review for execution.	1/1/2019	12/31/2019
12	Anthem 2019	Medical HMO & PPO	1/1/2019	12/31/2019	Board approved on 8/28/2018; Contract under review for execution.	1/1/2019	12/31/2019

LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 1
 CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING

CONTRACTS UNDER CONSIDERATION FOR RENEWAL

NO.	VENDOR / CONSULTANT	DESCRIPTION	INCEPTION DATE	EXPIRATION DATE	MARKETING CESSATION STATUS	RESTRICTED PERIOD*	
						START	END
RETIREMENT SERVICES DIVISION							
13	QTC Medical Group, Inc	Disability Medical Evaluations Services	Pending	Pending	Board approved on 8/13/19; Contract under review for execution.	5/1/2019	11/1/2019
14	Mitchell International dba MCN	Disability Medical Evaluations Services	Pending	Pending	Board approved on 8/13/2019; Contract under review for execution.	5/1/2019	11/1/2019

***RESTRICTED PERIOD**

Start Date - The estimated start date of the restricted period is three (3) months prior to the expiration date of the current contract. No entertainment or gifts of any kind should be accepted from the restricted source as of this date. Firms intending to participate in the Request for Proposal process are also subject to restricted marketing and communications.

End Date - The estimated end date of the restricted period is three (3) months following the expiration date of the current contract. For investment-related contracts, the estimated end date is normally six (6) months following the expiration of the current contract. For health carrier contracts, the estimated end date is normally one (1) year following the expiration of the current contract. Estimated dates are based on contract negotiation periods from prior years.

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 2
CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING**

ACTIVE RFPs AND RFQs*

NO.	DESCRIPTION	MARKETING CESSATION STATUS AND VENDOR RESPONSES
INVESTMENTS		
1	Private Credit Mandate Search	RFP Release Date: December 10, 2018
		Submission Deadline: January 18, 2019
		Status: On July 23, 2019, Board awarded contracts to Alcentra Limited; Benefit Street Partners L.L.C.; Crescent Capital Group LP; and Monroe Capital LLC. Negotiations in process.
		List of Respondents: Alcentra Limited, Barings LLC, MB Global Partners, LLC, Backcast Partners Management LLC, BlackRock, Inc., CLSA Capital Partners (HK) Limited, Cross Ocean Adviser LLP, Clearwater Capital Partners (Fiera Capital Corporation), Guggenheim Partners, LLC, Goldman Sachs Asset Management, L.P., Pemberton Capital Advisors LLP, Kayne Anderson Capital Advisors, L.P., Maranon Capital, L.P., Bain Capital Credit, LP, Breakwater Management LP, Carlyle Global Credit Investment Management L.L.C., Crescent Capital Group LP, MV Credit Partners LLP, New Mountain Capital, LLC, Park Square Capital USA LLC, Tor Investment Management (Hong Kong) Limited, AlbaCore Capital LLP, Muzinich & Co., Inc., Kartesia Management S.A., Medalist Partners, LP, NXT Capital Investment Advisers, LLC, Owl Rock Capital Partners, PennantPark Investment Advisers, PIMCO Investments LLC, Deerpath Capital Management, LP, Brightwood Capital Advisors, Magnetar Capital LLC, MC Credit Partners LP, Oaktree Capital Management, L.P., THL Credit Advisors LLC, White Oak Global Advisors, LLC, Benefit Street Partners L.L.C., EntrustPermal / Blue Ocean GP LLC, Willow Tree Credit Partners LP, Monroe Capital LLC, Runway Growth Capital LLC, Stellus Capital Management, LLC

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 2
CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING**

ACTIVE RFPs AND RFQs*

NO.	DESCRIPTION	MARKETING CESSATION STATUS AND VENDOR RESPONSES
2	U.S. Small Cap Equities Mandate Search	<p>RFP Release Date: February 25, 2019</p>
		<p>Submission Deadline: April 12, 2019</p>
		<p>Status: On July 9, 2019, Investment Committee advanced the following firms as semi-finalists for further due diligence: Core: ClearBridge Investments, LLC; Copeland Capital Management, LLC; Legato Capital Management, LLC; PIMCO; QMA LLC; Rothschild & Co Asset Management US Growth: EAM Investors, LLC; Goldman Sachs Asset Management; Granahan Investment Management; Lisanti Capital Growth, LLC; Westfield Capital Management Co, L.P.; William Blair Investment Management, LLC. Value: Ariel Investments, LLC; Bernzott Capital Advisors; Dimensional Fund Advisors LP; Hotchkis & Wiley Capital Management, LLC; Investment Counselors of Maryland, LLC; Segall Bryant & Hamill.</p>
		<p>List of Respondents: 361 Capital, LLC, Aberdeen Standard Investments Inc., Acuitas Investments, LLC, Alliance Bernstein AB, Allianz Global Investors AllianzGI, AltraVue Capital, LLC, American Century Investment Management, Inc., AMI Asset Management Corporation, Anchor Capital Advisors LLC, Ariel Investments, LLC, Aristotle Capital Boston, LLC, Axiom Investors, Baron Capital, Barrow, Hanley, Mewhinney, Strauss, LLC, Bernzott Capital Advisors, Bivium Capital Partners, LLC, BlackRock, Inc., BMO Global Asset Management, BNP Paribas Asset Management USA Inc, Boston Advisors, LLC, Boston Partners Global Investors, Inc., Bridge City Capital, LLC, Cadence Capital Management LLC, Capital Impact Advisors, LLC, Capital Prospects LLC, Ceredex Value Advisors LLC, ClearBridge Investments, LLC, Copeland Capital Management, LLC, Dimensional Fund Advisors LP, Driehaus Capital Management LLC, Eagle Asset Management, EAM Investors, LLC, EARNEST Partners, LLC, Eastern Shore Capital Management, a Division of Moody Aldrich Partners, LLC, Eaton Vance Management, Elk Creek Partners LLC, Falcon Point Capital, LLC, Federated MDTA, LLC, FIAM LLC, Fisher Investments, Franklin Advisers, Inc., Frontier Capital Management Company, LLC, Goldman Sachs Asset Management, Granahan Investment Management, Granite Investment Partners, LLC, Great Lakes Advisors, LLC, GW&K Investment Management, LLC, Hotchkis and Wiley Capital Management, LLC, Investment Counselors of Maryland, LLC, Jacobs Levy Equity Management, Inc., Jennison Associates, JP Morgan, Kayne Anderson Rudnick Investment Management, LLC, Legato Capital Management, LLC, Legion Partners Asset Management, LLC, Lisanti Capital Growth, LLC, LMCG Investments, Loomis, Sayles & Company, L.P., Los Angeles Capital Management and Equity Research, Inc., Macquarie Investment Management, Manulife Asset Management, Matarin Capital Management, Mellon Investments Corporation, MFS Institutional Advisors, Inc., Monarch Partners Asset Management, LLC, Morgan Stanley Investment Management, Neuberger Berman, NewSouth Capital Management, Inc., Next Century Growth Investors, LLC, Northern Trust Investments, Inc., OFI Global Institutions, Inc., Pacific Ridge Capital Partners, LLC, Pacific View Asset Management, LLC, Palisade Capital Management, L.L.C, PanAgora Asset Management, Inc., Peregrine Capital Management, LLC, Perkins Investment Management LLC, Pier Capital, LLC, PIMCO, Portolan Capital Management LLC, Principal Global, Pzena Investment Management, QMA LLC, Ranger Investment Management, LP, Riverbridge Partners, LLC, RockCreek, Rothschild & Co Asset Management, Sapien Investments, LLC, Schroder Investment Management North America Inc., Segall Bryant & Hamill, Seizert Capital Partners, Smith Asset Management Group, Snyder Capital Management, L.P., Summit Creek Advisors, LLC, Systematic Financial Management, L.P., T. Rowe Price Associates, Inc., Teton Advisors, Inc., THB Asset Management, Tygh Capital Management, Vantagepoint Discovery, Victory Capital Management Inc., Voya Investment Management, Walkthausen & Co., LLC, Wasatch Advisors, Weatherble Capital, LLC, Wedge Capital Management, Wellington Management Company LLP, Wells Fargo Asset Management, Westfield Capital Management Company, L.P., William Blair Investment Management, LLC, WisdomTree Asset Management, Inc., Zacks Investment Management</p>

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 2
CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING**

ACTIVE RFPs AND RFQs*

NO.	DESCRIPTION	MARKETING CESSATION STATUS AND VENDOR RESPONSES
3	High Yield Fixed Income and Hybrid High Yield Fixed Income / U.S. Floating Rate Bank Loan Mandate Search	<p>RFP Release Date: February 25, 2019</p> <p>Submission Deadline: April 12, 2019</p> <p>Status: On August 13, 2019, the Investment Committee advanced the following firms as semi-finalists for further due diligence: High Yield Fixed Income - Aegon USA Investment Management, LLC, Loomis, Sayles & Company, L.P., and Morgan Stanley Investment Management; Hybrid Fixed Income/Bank Loans - DDJ Capital Management, LLC, and KKR Credit</p> <p>List of Respondents: Ares Management LLC, Arena Capital Advisors, LLC, Guggenheim Partners Investment Management, LLC, Aegon Asset Management US, MacKay Shields LLC, Post Advisory Group, LLC, Diamond Hill Capital Management, Inc., AXA Investment Managers, Pacific Asset Management, Mesirow Financial Investment Management, Inc., DDJ Capital Management, LLC, Par-Four Investment Management, LLC, PGIM Fixed Income, Beach Point Capital Management LP, KKR Credit, Barrings LLC, Eaton Vance Management, Brigade Capital Management, LP, Morgan Stanley Investment Management, Lord, Abnett & Co. LLC, BlackRock, Inc., L & S Advisors, Inc., Mellon Investments Corporation, Seix Investment Advisors LLC, Legal & General Investment Management, Principal Global, Bain Capital Credit, LP, Princeton Asset Management, LLC, Symphony Asset Management, LLC, PIMCO, The Capital Group Companies, Inc., Loomis, Sayles & Company, L.P., Credit Suisse Asset Management, LLC, J.P. Morgan Asset Management, Hotchkis and Wiley Capital Management, LLC, Northern Trust, CVC Credit Partners, LLC</p>
4	Emerging Market Small Cap Equities Mandate Search	<p>RFP Release Date: June 10, 2019</p> <p>Submission Deadline: July 22, 2019</p> <p>Status: In progress</p> <p>List of Respondents: LMCG Investments, LLC, AQR Capital Management, LLC, Dimensional Fund Advisors LP, EAM Investors, LLC, Ashmore, Cedar Street Asset Management LLC, Copper Rock Capital Partners, LLC, FIAM LLC, Macquarie Investment Management, RBC GLobal Management, Inc., Capital, River and Mercantile LLC, Schroder Investment Management North America Inc., Somerset Capital Management LLP, Wasatch Advisors, Inc., Kayne Anderson Rudnick Investment Management, Franklin Templeton Investments, Globeflex Capital, LP, Quantitative Management Associates, LLC, LLC, State Street Global Advisors Distributor, LLC</p>
5	Emerging Market Debt Mandate Search	<p>RFP Release Date: June 10, 2019</p> <p>Submission Deadline: July 22, 2019</p> <p>Status: In progress</p> <p>List of Respondents: Eaton Vance Management, Ashmore Investment Management, Capital Group, Fidelity Institutional Asset Management, GAM USA, INC., Northwest Passage Capital Advisors LLC, Payden & Rygel, PGIM Fixed Income, Schroder Investment Management North America Inc., Stone Harbor Investment Partners LP, LM Capital Group, Wellington Management Company LLP, Manulife Investment Management, Global Evolution USA LLC, GoldenTree Asset Management LP, Goldman Sachs Asset Management L.P., Investec Asset Management, Nuveen, A TIAA Company</p>

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM ATTACHMENT 2
CONTRACTS LIST FOR THE SEPTEMBER 10, 2019 BOARD MEETING**

ACTIVE RFPs AND RFQs*

NO.	DESCRIPTION	MARKETING CESSATION STATUS AND VENDOR RESPONSES
6	Outside Health Law and Data Privacy Counsel	RFP Release Date: January 7, 2019
		Submission Deadline: January 28, 2019
		Status: In progress
		List of Respondents: Clark Hill PLC, Foley & Lardner LLP, Groom Law Group Chartered, Hanson Bridgett LLP, Lewis Brisbois Bisgaard & Smith LLP, Nossaman LLP, Orrick Herrington & Sutcliffe LLP, Polsinelli LLP, Reed Smith LLP
7	Actuarial Consulting Services	RFP Release Date: March 15, 2019
		Submission Deadline: May 8, 2019
		Status: The Actuarial Consulting Services contract was awarded to The Segal Company. The Actuarial Audit Consulting Services portion is in process, pending Committee interview scheduled for Sept. 24th and award by the Board
		List of Respondents: Cheiron, Gabriel, Roeder, Smith & Company, Milliman, The Segal Company.

PROPOSAL OR REQUEST FOR QUALIFICATIONS:

Start Date - The restricted period commences on the day the Request for Proposal is released.

End Date - The restricted period ends on the day the contract is executed.



REPORT TO BOARD OF ADMINISTRATION

From: Benefits Administration Committee
Michael R. Wilkinson, Chair
Sandra Lee
Nilza R. Serrano

MEETING: SEPTEMBER 10, 2019
ITEM: VI-B

SUBJECT: ANTHEM BLUE CROSS 2018 YEAR-END ACCOUNTING AND POSSIBLE BOARD ACTION

ACTION: CLOSED: CONSENT: RECEIVE & FILE:

Recommendation

That the Board approve transferring the Anthem Blue Cross Premium Stabilization Reserve funds to LACERS' Section 115 Trust and 401(h) accounts.

Executive Summary

The Anthem Blue Cross year-end accounting shows a Premium Stabilization Reserve (PSR) balance of \$11.9 million. These funds are made up of accumulated surplus premium dollars paid to Anthem Blue Cross. The Committee recommends transferring this balance to LACERS' Section 115 Trust and 401(h) accounts, so that these funds may be invested along with LACERS' pension funds.

Discussion

At the Committee's meeting on August 27, 2019, staff and Keenan and Associates (Keenan), LACERS' health and welfare consultant, presented the Anthem Blue Cross 2018 year-end accounting. The Committee is forwarding the recommendation to transfer funds from the Premium Stabilization Reserve to LACERS' Section 115 Trust and 401(h) accounts.

Strategic Plan Impact Statement

The participating contract with Anthem Blue Cross and the Year-End Accounting process allows premium surpluses to be used toward future premium and subsidy costs, supporting Strategic Plan Goal 3: Improve Value and Minimize Costs of Members' Health and Wellness Benefits.

Prepared By: Alex Rabrenovich, Chief Benefits Analyst, Health Benefits Administration and Communications Division

NMG/LP/AR:ar

Attachments: 1) August 27, 2019 Benefits Administration Committee Report
2) Proposed Resolution



BOARD Meeting: 09/10/2019
Item: VI - B
Attachment: 1



REPORT TO BENEFITS ADMINISTRATION COMMITTEE

MEETING: AUGUST 27, 2019

From: Neil M. Guglielmo, General Manager

ITEM: III

SUBJECT: ANTHEM BLUE CROSS 2018 YEAR-END ACCOUNTING AND POSSIBLE COMMITTEE ACTION

ACTION: **CLOSED:** **CONSENT:** **RECEIVE & FILE:**

Recommendation

That the Committee recommend to the Board transferring the Premium Stabilization Reserve funds to LACERS' Section 115 Trust and 401(h) accounts.

Executive Summary

This is an annual reporting of the excess premium funds that exist in our Premium Stabilization Reserve with Anthem Blue Cross. The Board approved transferring these funds to LACERS' Section 115 Trust account last year, but only some of the funds may be moved to this account. The balance must be transferred to LACERS' other account, the 401(h).

Discussion

LACERS has an experience-rated refunding contract with Anthem for its HMO, PPO, and Medicare Supplement plans. This contract requires a year-end accounting after each plan year. Anthem plan premiums are based on projected costs for the coming plan year. At the end of each plan year, a year-end accounting is conducted which compares Anthem's actual annual costs with the annual premium amount paid by LACERS and its Members.

As part of its contract, LACERS has a Claims Stabilization Fund (CSF) which is required to contain a certain level of funding as determined by Anthem at the beginning of each plan year. The purpose of the CSF is to fund any deficits that may be found in the year-end accounting. In addition, LACERS has a Premium Stabilization Reserve (PSR), into which LACERS may transfer year-end surpluses after the CSF funding requirement is met. The PSR, which is not required by Anthem, also may be used to fund any deficits beyond the CSF, but only with LACERS' permission. Both the CSF and PSR are held in interest-earning accounts (2.758% and 2.599% respectively in 2018).

Our PSR account holds surpluses gained from years when annual premium payments exceeded annual claims costs and administrative expenses. On July 24, 2018, the Board approved the transfer of PSR funds to the 115 Trust pending the establishment of that Trust. The Section 115 Trust has since been established, but we can only transfer that portion of the PSR funds that represents Member

payroll deductions to the 115 Trust. The balance, which was paid through Member medical subsidy funds, will be redirected back to LACERS' 401(h) account, as required by tax law.

Keenan and Associates (Keenan), LACERS' Health and Welfare Consultant, reviewed Anthem's year-end accounting for 2018 (attached). All year-end accounting takes place at the end of the plan year, December 31, 2018. Highlights of Keenan's findings include:

PSR Beginning Balance	\$16,334,836
2018 Premium Surplus	\$1,114,664
PSR Interest	\$450,527
Premium Defrayals	(\$4,516,758)
Rate Adjustment for 2019	(\$1,306,543)
Transfer of Excess Funds to CSF	<u>(\$119,802)</u>
PSR Ending Balance	\$11,956,924
Required Minimum Balance	<u>\$8,269,904</u>
Available Balance	\$3,687,020

Strategic Plan Impact Statement

The participating contract with Anthem Blue Cross and the Year-End Accounting process allows premium surpluses to be used toward future premium costs, supporting Strategic Plan Goal 3: Maximize Value and Minimize Costs of our Health and Welfare Program.

Prepared By: Alex Rabrenovich, Chief Benefits Analyst, Health Benefits Administration and Communications Division

NMG/LP/AR:ar

Attachments: 1) July 24, 2018 Board Report
2) 2018 Anthem Year-End Accounting, prepared by Keenan and Associates



Report to Board of Administration

From: Benefits Administration Committee
Michael R. Wilkinson, Chairperson
Cynthia M. Ruiz
Nilza R. Serrano

Agenda of: **JULY 24, 2018**

ITEM: **XI-A**

SUBJECT: ANTHEM BLUE CROSS 2017 YEAR-END ACCOUNTING AND POSSIBLE BOARD ACTION

Recommendation

That the Board approve utilizing Premium Stabilization Reserve funds to decrease the Anthem Blue Cross (Anthem) HMO and Medicare Supplement 2019 premiums and transfer the remaining Premium Stabilization Reserve funds to a Section 115 trust account, once established.

Discussion

At the Committee's meeting of July 19, 2018, the Committee approved forwarding staff's recommendation to the Board. The Committee report is attached.

Strategic Plan Impact Statement

The participating contract with Anthem Blue Cross and the Year-End Accounting process allows premium surpluses to be used toward future premium costs, supporting Strategic Plan Goal 3: Maximize Value and Minimize Costs of our Health and Welfare Program.

This report was prepared by Alex Rabrenovich, Chief Benefits Analyst, of the Health Benefits Administration and Communications Division.

MRW:AR:ar

Attachment: A) July 19, 2018 BAC Report



LACERS

LOS ANGELES CITY EMPLOYEES'
RETIREMENT SYSTEM



Report to Benefits Administration Committee

Agenda of: **JULY 19, 2018**

From: *Neil Guglielmo*
Neil Guglielmo, General Manager

ITEM: IV

SUBJECT: ANTHEM BLUE CROSS 2017 YEAR-END ACCOUNTING AND POSSIBLE COMMITTEE ACTION

Recommendation

That the Committee recommend to the Board utilizing Premium Stabilization Reserve funds to decrease the Anthem Blue Cross (Anthem) HMO and Medicare Supplement 2019 premiums and transfer the remaining Premium Stabilization Reserve funds to a Section 115 trust account, once established.

Discussion

LACERS has an experience-rated refunding contract with Anthem for its HMO, PPO, and Medicare Supplement plans. This contract requires a year-end accounting after each plan year. Anthem plan premiums are based on projected costs for the coming plan year. At the end of each plan year, a year-end accounting is conducted which compares Anthem's actual annual costs with the annual premium amount paid by LACERS and its Members.

As part of its contract, LACERS has a Claims Stabilization Fund (CSF) which is required to contain a certain level of funding as determined by Anthem at the beginning of each plan year. The purpose of the CSF is to fund any deficits that may be found in the year-end accounting. In addition, LACERS has a Premium Stabilization Reserve (PSR), into which LACERS may transfer year-end surpluses after the CSF funding requirement is met. The PSR, which is not required by Anthem, also may be used to fund any deficits beyond the CSF, but only with LACERS' permission. Both the CSF and PSR are held in interest-earning accounts (1.789% in 2017).

Our PSR account holds surpluses gained from years when annual premium payments exceeded annual claims costs and administrative expenses. On January 12, 2010, the Board approved a Premium Stabilization Reserve Funding Policy (attached) for the disposition of excess funds which requires the PSR to have a minimum balance of 15% of Anthem's projected annual premium cost for the following year. Based on this policy, the PSR is required to have a balance of approximately \$8.2 million in 2019.

Keenan and Associates (Keenan), LACERS' health and welfare consultant, reviewed Anthem's year-end accounting for 2017 (attached). All year-end accounting takes place at the end of the plan year, December 31, 2017. Highlights of Keenan's findings include:

PSR Beginning Balance	\$19,671,630
2017 Premium Surplus	4,039,444
PSR Interest	351,994
Premium Defrayals*	(7,728,232)
Transfer of Excess CSF funds**	<u>0</u>
PSR Ending Balance	\$16,334,836
August 2018 Premium Defrayal	<u>4,529,968</u>
PSR Ending Balance	\$11,804,868
Required Minimum Balance	<u>(7,713,263)</u>
Available Balance	\$ 4,091,605

*The premium defrayals administered in May 2016 and September 2017 were accounted for during the 2017 year-end accounting.

**The 2016 CSF balance was \$1,129,400. Anthem required a balance of \$1,251,114 for 2017, so a transfer of \$101,505 was made from the PSR to the CSF.

Based on these findings and the LACERS PSR Funding Policy, the PSR will have sufficient funds beyond the required minimum to apply toward the premium cost for Members. Instead of administering a premium defrayal, staff recommends using the Available Balance to reduce the 2019 HMO and Medicare Supplement plans' premium amounts. Further, staff and Keenan are reviewing the possibility of obtaining a trust account to hold premium reserves. Once established, staff recommends transferring the remaining PSR funds to this trust account to be administered by LACERS.

Strategic Plan Impact Statement

The participating contract with Anthem Blue Cross and the Year-End Accounting process allows premium surpluses to be used toward future premium costs, supporting Strategic Plan Goal 3: Maximize Value and Minimize Costs of our Health and Welfare Program.

This report was prepared by Alex Rabrenovich, Chief Benefits Analyst, of the Health Benefits Administration and Communications Division.

NG:AR:ar

- Attachments: A) LACERS PSR Funding Policy Resolution
- B) 2017 Anthem Year-End Accounting, prepared by Keenan and Associates

LACERS' PREMIUM STABILIZATION RESERVE FUNDING POLICY

Commissioner Rogers moved approval of the following Resolution:

RESOLUTION 100126-E

WHEREAS, the Los Angeles City Employees' Retirement System (LACERS) administers a health and welfare program, which includes health insurance for retired employees and their eligible dependents;

WHEREAS, LACERS may enter into an experience-rated refunding contract with its health insurance carriers which requires year-end accounting after the close of a plan year to reconcile any differences between the amount of premiums paid to the carrier and the amount of claims and expenses associated with providing health coverage;

WHEREAS, these types of contracts contain an interest-earning Claims Stabilization Fund (CSF), which is required to maintain a certain balance, as directed by the carrier, to fund any deficits that may be found in the year-end accounting;

WHEREAS, these types of contracts may also include an interest-earning Premium Stabilization Reserve (PSR), into which year-end accounting surpluses beyond the CSF funding requirement are transferred and funds may be used to fund the CSF when year-end accounting deficits are greater than the CSF balance;

WHEREAS, LACERS may withdraw funds from the PSR for alternative uses;

WHEREAS, a minimum PSR balance should always be maintained and recalculated annually to offset possible year-end deficits;

WHEREAS, actuarially, there is a 90% probability that a deficit will be less than 5% of projected premiums for the following plan year;

NOW, THEREFORE, BE IT RESOLVED that the Board of Administration hereby adopts a Premium Stabilization Reserve (PSR) funding policy where the PSR is maintained at a minimum of three times 5% of the health plan's projected annual premium cost for the following plan year and that the Board review alternatives for the disposition of excess PSR funds annually.

which motion was seconded by Commissioner Bardwell, and adopted by the following vote: Ayes, Commissioners Bardwell, Greenwood, Penichet, Rogers, Spiker, Uranga, and President Conroy – 7; Nays, None.

I hereby certify that the foregoing is a true and correct copy of a Resolution duly adopted by the Board of Administration, Los Angeles City Employees' Retirement System, at its Regular Meeting held on January 26, 2010.



Sally Choi
Secretary



ATTACHMENT B

Los Angeles City Employees' Retirement System 2017 Anthem Year-End Accounting July 19, 2018

BAC Meeting: 08/27/19
Item: III
Attachment 2

Respectfully Submitted by:

Steve Gedestad, Municipality Practice Leader | Bordan Darm, Consultant
Erin Robinson, Senior Service Representative | Christine Hough, Consultant and Actuary

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Executive Summary

- The 2017 Year-End Accounting (YEA) produced a \$4,140,949 surplus.
- The Claims Stabilization Fund (CSF) is funded at \$1,251,114 for December 31, 2017.
 - Anthem is not requesting any adjustment to the CSF (\$1,251,114) for January 1, 2018.
- The Premium Stabilization Reserve (PSR) minimum balance set by LACERS' PSR funding policy is \$7,713,263 for 2017.
- The December 31, 2017 PSR ending balance is \$16,334,836.
 - The defrayal from the 2016 YEA will be administered in August 2018 and is estimated to be \$4,529,968. This would bring the PSR down to \$11,804,868 (\$4,091,605 above the minimum PSR).
- Based on 2017 YEA results, LACERS may want to consider applying funds to reduce the 2019 HMO and Medicare Supplement premiums, and a fund transfer to LACERS' proposed 115 Trust.

2017 Anthem Accounting Summary

- The Year-End Accounting (YEA) provides LACERS with the difference between total costs incurred for the policy period and the respective premium remitted. The balance is expressed as a surplus or deficit position.
- The Claims Stabilization Fund (CSF) is set and held by Anthem, and funded by LACERS. It is to fund any deficit of a given policy period.
- The purpose of the Premium Stabilization Reserve (PSR) fund is to build up reserves from the surpluses of each policy period after meeting the funding requirement in the CSF, and to provide additional security should a period's deficit be greater than the CSF.
- LACERS is not required to hold surpluses in the PSR. Any funds from the PSR fund may not be utilized by Anthem without authorization from LACERS.

Policy Year	2013	2014	2015	2016	2017
YEA	\$2,005,972	\$3,812,565	\$3,455,525	\$1,017,392	\$4,140,949
Surplus/(Deficit)	surplus	surplus	surplus	surplus	surplus
% of Premium	8.1%	8.6%	7.6%	2.1%	8.2%
CSF	\$1,289,036	\$1,129,400	\$1,129,400	\$1,129,400	\$1,251,114
\$ Adjustment		-\$159,636	\$0	\$0	+\$121,714
% Adjustment		-12.4%	0.0%	0.0%	+10.8%
PSR w/YEA	\$10,764,741	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836
\$ Adjustment		+\$4,039,788	+\$3,581,941	+\$1,285,160	-\$3,336,794

2017 Anthem Accounting Summary – Claims Stabilization Fund (CSF)

- The following table illustrates the Claims Stabilization Fund (CSF) accounting for the past four policy years:

CSF Accounting	2013	2014	2015	2016	2017
1/1 CSF Balance	\$695,983	\$1,289,036	\$1,129,400	\$1,129,400	\$1,129,400
Interest Earned	\$4,754	\$7,228	\$8,960	\$15,496	\$20,209
Interest Yield	0.683%	0.561%	0.793%	1.372%	1.789%
Net CSF Balance	\$700,737	\$1,296,264	\$1,138,360	\$1,144,896	\$1,149,609
YEA Fund Transfer	\$588,299	\$0	\$0	\$0	\$0
PSR Fund Transfer	\$0	(\$166,864)	(\$8,960)	(\$15,496)	\$101,505
Required CSF	\$1,289,036	\$1,129,400	\$1,129,400	\$1,129,400	\$1,251,114

- Interest Yield is based on 12-month LIBOR Index
- Effective 1/1/17, Anthem required that the CSF be increased 10.8% or \$121,714 to \$1,251,114.

2017 Anthem Accounting Summary – Premium Stabilization Reserve (PSR)

The following table illustrates the Premium Stabilization Reserve (PSR) accounting for the past five years:

PSR Accounting	2013	2014	2015	2016	2017
PSR 1/1 Balance	\$9,283,659	\$10,764,741	\$14,804,529	\$18,386,470	\$19,671,630
Transfer YEA to PSR	\$2,005,972	\$3,812,565	\$3,455,525	\$1,017,392	\$4,039,444
PSR 1/1 Balance w/ YEA	\$11,289,631	\$14,577,306	\$18,260,054	\$19,403,862	\$23,711,074
Interest Earned	\$63,409	\$60,359	\$117,456	\$252,272	\$351,994
Interest Yield	0.683%	0.561%	0.793%	1.372%	1.789%
Transfer CSF to PSR	(\$588,299)	\$166,864	\$8,960	\$15,496	\$0
Premium Defrayal					-\$7,728,232
PSR 12/31 Balance	\$10,764,741	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836

- Interest Yield is based on 12-month LIBOR Index
- For 2014, Medicare Supplement was added as a participating, refunding arrangement, replacing the Medicare Advantage LPPO
- Two Premium Defrayals are accounted for in 2017. 1) -3,717,788 taken in May, 2016, earned in 2014, accounted for in 2017 (not 2016), and 2) \$4,010,444 taken in September, 2017, earned in 2015, and accounted for in 2017.

2017 Anthem Accounting Summary – Minimum Premium Stabilization Reserve

- LACERS has established a minimum PSR threshold of 3 times 5% (15%) of annual Anthem experience-rated premium.
- The following table illustrates the minimum Premium Stabilization Reserve (PSR) accounting for the past four policy years:

PSR Accounting	2013	2014	2015	2016	2017
Anthem Annual Premium	\$24,911,212	\$44,145,676	\$46,617,533	\$47,725,568	\$51,421,751
Minimum PSR Factor	15.0%	15.0%	15.0%	15.0%	15.0%
Minimum PSR Required	\$3,736,682	\$6,621,851	\$6,992,630	\$7,158,835	\$7,713,263
PSR Ending Balance	\$10,764,741	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836
PSR Difference	\$7,028,059	\$8,182,678	\$11,393,840	\$12,512,795	\$8,621,573

2017 Anthem Accounting Summary – Premium Defrayal

- When the PSR amount becomes substantially higher than the minimum PSR standard, LACERS can offer a premium defrayal to reduce the PSR.
- LACERS has elected premium defrayals based on YEA results for 2013, 2014, 2015, and 2016.
- The premium defrayals have been realized in 2015, 2016, and 2017, with the another one scheduled for 2018.
- The following table illustrates the PSR accounting for the past policy years:

Premium Defrayal (PD)	2013	2014	2015	2016	2017
PSR Balance	\$10,764,741	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836
PD Declared	Yes	Yes	Yes	Yes	TBD
PD Taken	May 2015	May 2016	Sep. 2017	Aug. 2018	
PD Amount	\$3,708,149	\$3,717,788	\$4,010,444	\$4,529,968	

2017 Anthem Accounting Summary By Plan

	HMO	PPO	MEDICARE SUPPLEMENT	MEDICARE PART D	TOTAL
2017 INCOME					
Paid Premium	\$13,165,553	\$14,833,106	\$8,588,796	\$14,082,481	\$50,669,936
CMS Revenue (Medicare Part D)	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$751,815</u>	<u>\$751,815</u>
TOTAL INCOME	\$13,165,553	\$14,833,106	\$8,588,796	\$14,834,296	\$51,421,751
2017 EXPENSES					
Total Incurred Claims ¹	\$6,045,840	\$12,944,701	\$6,861,281	\$17,087,282	\$42,939,104
Retention	\$473,528	\$619,426	\$1,314,876	\$953,326	\$3,361,156
Silver Sneakers Program in 2017	\$0	\$0	\$267,773	\$0	\$267,773
Capitation	\$4,400,003	\$0	\$0	\$0	\$4,400,003
ACA Insurer & ACA Reinsurance Fee	\$0	\$0	\$0	\$0	\$0
Consortium Fees	\$0	\$5,013	\$0	\$0	\$5,013
HMC Programs	\$14,723	\$17,689	\$52,230	\$0	\$84,642
CMS Credit (Medicare D)	\$0	\$0	\$0	(\$2,028,149)	(\$2,028,149)
Part D Credit - Gap Discount/Prior Settlement	\$0	\$0	\$0	(\$2,029,789)	(\$2,029,789)
Premium Taxes	<u>\$0</u>	<u>\$127,231</u>	<u>\$0</u>	<u>\$153,818</u>	<u>\$281,049</u>
TOTAL EXPENSES	\$10,934,094	\$13,714,060	\$8,496,160	\$14,136,488	\$47,280,802
2017 SURPLUS/(DEFICIT)	<u>\$2,231,459</u>	<u>\$1,119,046</u>	<u>\$92,636</u>	<u>\$697,808</u>	<u>\$4,140,949</u>
SURPLUS AMOUNT TRANSFERRED TO CLAIMS STABILIZATION FUND	(\$101,505)	\$0	\$0	\$0	(\$101,505)
SURPLUS AMOUNT TRANSFERRED TO PREMIUM STABILIZATION RESERVE	(\$2,129,954)	(\$1,119,046)	(\$92,636)	(\$697,808)	(\$4,039,444)

¹Total Incurred Claims include reserve changes, large claims charge, and credit.

2017 Anthem Accounting Summary - Accounting History

	2013	2014	2015	2016	2017
Annual Amount					
Total Income	\$24,911,212	\$44,145,676	\$46,617,533	\$47,725,568	\$51,421,751
Total Expenses	\$22,905,240	\$40,333,111	\$43,162,008	\$46,708,176	\$47,280,802
Surplus / (Deficit)	\$2,005,972	\$3,812,565	\$3,455,525	\$1,017,392	\$4,140,949
Expense Ratio	91.9%	91.4%	92.6%	97.87%	91.95%
Contracts	1,920	4,453	4,413	4,795	4,734
Per Retiree Per Month Amount					
Total Income	\$1,081.03	\$826.14	\$880.31	\$829.43	\$905.20
Total Expenses	\$993.98	\$754.79	\$815.05	\$811.75	\$832.31
Surplus / (Deficit)	\$87.05	\$71.35	\$65.25	\$17.68	\$72.90

Conclusions

- For the 2017 Year-End Accounting, LACERS may want to consider a fund transfer to LACERS' proposed 115 Trust.
- Without consideration for the 2017 Year-End Accounting, and strictly based on the 2017 PSR Ending Balance, the following analysis is provided:

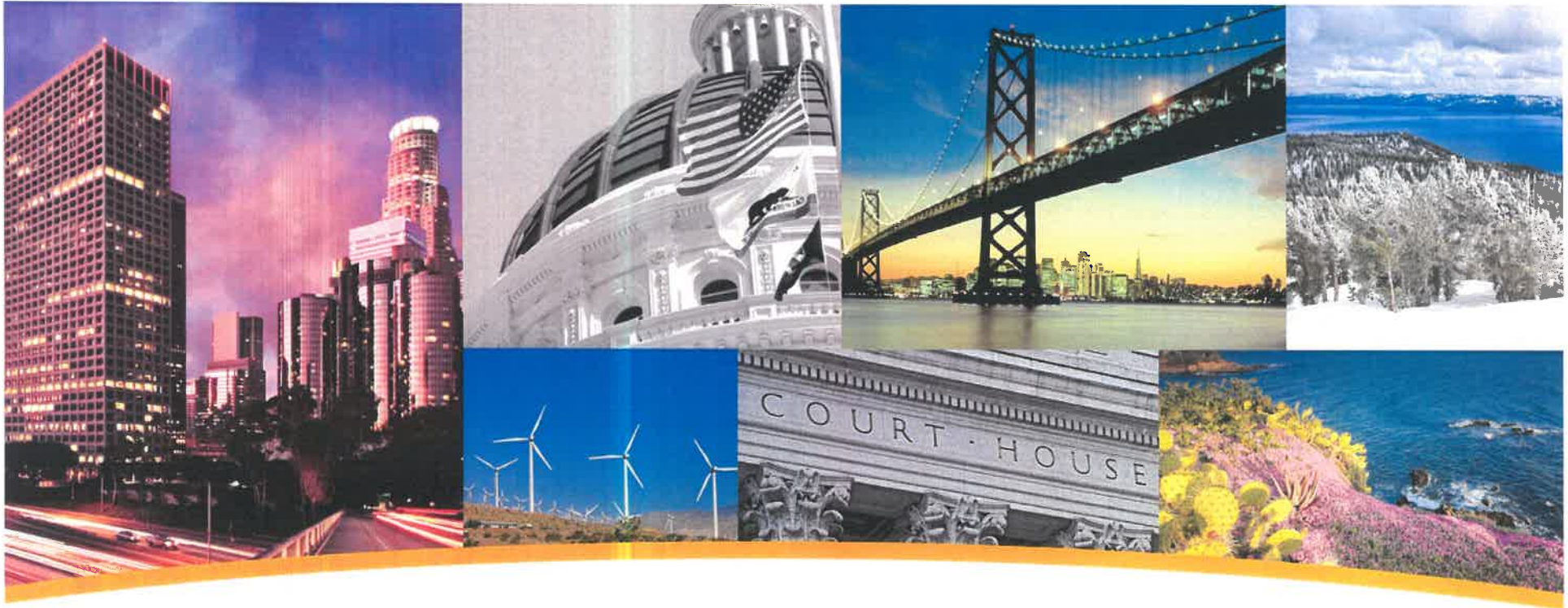
Impact of Defrayal taken in 2018 (earned in 2016) on 2017 PSR Ending Balance

2017 PSR Ending Balance	\$16,334,836
Premium Defrayal earned in 2016 YEA, taken in 2018	\$4,529,968
2017 PSR Adjusted Ending Balance	\$11,804,868
Minimum PSR Balance	\$7,713,263
Projected Balance above Minimum PSR Balance:	\$4,091,605

Acknowledgement

Keenan & Associates would like to thank Ms. Lita Payne, Mr. Alex Rabrenovich, and the LACERS Health Benefits Administration staff for providing the necessary data and engaging in this renewal process. Their cooperation and guidance have been extremely valuable.

Questions and Answers



Los Angeles City Employees' Retirement System 2018 Anthem Year-End Accounting August 27, 2019

Respectfully Submitted by:

Ju Anderson, Senior Advisor | Bordan Darm, Senior Consultant
Erin Robinson, Senior Service Representative | Christine Hough, Consultant and Actuary

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Executive Summary

- 2018 produced a Year-End Accounting (YEA) surplus of \$1,114,664.
- The Claims Stabilization Fund (CSF) is funded at \$1,405,423 as of December 31, 2018.
- The Premium Stabilization Reserve (PSR) minimum balance set by LACERS' PSR funding policy is \$8,269,904 for 2018.
- The December 31, 2018 PSR ending balance is \$11,956,924.
 - The defrayal from the 2016 YEA of \$4,516,758 was administered in August 2018.
 - Anthem has set aside \$1,306,543 to offset rate adjustments for 2019.
- Based on 2018 YEA results, LACERS may want to consider applying funds to LACERS' 115 Trust.

2018 Anthem Accounting Summary

- The Year-End Accounting (YEA) provides LACERS with the difference between total costs incurred for the policy period and the respective premium remitted. The balance is expressed as a surplus or deficit position.
- The Claims Stabilization Fund (CSF) is set and held by Anthem, and funded by LACERS. It is to fund any deficit of a given policy period.
- The purpose of the Premium Stabilization Reserve (PSR) fund is to build up reserves from the surpluses of each policy period after meeting the funding requirement in the CSF, and to provide additional security should a period's deficit be greater than the CSF.
- LACERS is not required to hold surpluses in the PSR. Any funds from the PSR fund may not be utilized by Anthem without authorization from LACERS.

Policy Year	2014	2015	2016	2017	2018
YEA	\$3,812,565	\$3,455,525	\$1,017,392	\$4,140,949	\$1,114,664
Surplus/(Deficit)	surplus	surplus	surplus	surplus	surplus
% of Premium	8.6%	7.6%	2.1%	8.2%	2.0%
CSF	\$1,129,400	\$1,129,400	\$1,129,400	\$1,251,114	\$1,405,423
\$ Adjustment	-\$159,636	\$0	\$0	+\$121,714	+\$154,309
% Adjustment	-12.4%	0.0%	0.0%	+10.8%	+12.3%
PSR w/YEA	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836	\$11,837,122
\$ Adjustment	+\$4,039,788	+\$3,581,941	+\$1,285,160	-\$3,336,794	-\$4,497,714

2018 Anthem Accounting Summary – Claims Stabilization Fund (CSF)

- The following table illustrates the Claims Stabilization Fund (CSF) accounting for the past five policy years:

CSF Accounting	2014	2015	2016	2017	2018
1/1 CSF Balance	\$1,289,036	\$1,129,400	\$1,129,400	\$1,129,400	\$1,251,114
Interest Earned	\$7,228	\$8,960	\$15,496	\$20,209	\$34,507
Interest Yield	0.561%	0.793%	1.372%	1.789%	2.758%
Net CSF Balance	\$1,296,264	\$1,138,360	\$1,144,896	\$1,149,609	\$1,285,621
YEA Fund Transfer	\$0	\$0	\$0	\$0	\$0
PSR Fund Transfer	(\$166,864)	(\$8,960)	(\$15,496)	\$101,505	\$119,802
Required CSF	\$1,129,400	\$1,129,400	\$1,129,400	\$1,251,114	\$1,405,423

- Interest Yield is based on 12-month LIBOR Index
- Effective 1/1/19, Anthem required that the CSF be increased 12.3% or \$154,309 to \$1,405,423.

2018 Anthem Accounting Summary – Premium Stabilization Reserve (PSR)

The following table illustrates the Premium Stabilization Reserve (PSR) accounting for the past five years:

PSR Accounting	2014	2015	2016	2017	2018
PSR 1/1 Balance	\$10,764,741	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836
Transfer YEA to PSR	\$3,812,565	\$3,455,525	\$1,017,392	\$4,039,444	\$1,114,664
PSR 1/1 Balance w/ YEA	\$14,577,306	\$18,260,054	\$19,403,862	\$23,711,074	\$17,449,500
Interest Earned	\$60,359	\$117,456	\$252,272	\$351,994	\$450,527
Interest Yield	0.561%	0.793%	1.372%	1.789%	2.599%
Transfer PSR to CSF	\$166,864	\$8,960	\$15,496	\$0	-\$119,802
Premium Defrayal				-\$7,728,232	-\$4,516,758 -\$1,306,543
PSR 12/31 Balance	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836	\$11,956,924

- Interest Yield is based on 12-month LIBOR Index
- 2017 - Two Premium Defrayals are accounted for. 1) -3,717,788 taken in May, 2016, earned in 2014, accounted for in 2017 (not 2016), and 2) \$4,010,444 taken in September, 2017, earned in 2015, and accounted for in 2017.
- 2018 - One premium defrayal (\$4,516,758) was taken in August, 2018, earned in 2016, and accounted for in 2018. Additionally, \$1,306,543 was taken for rate adjustments for 2019.

2018 Anthem Accounting Summary – Minimum Premium Stabilization Reserve

- LACERS has established a minimum PSR threshold of 3 times 5% (15%) of annual Anthem experience-rated premium.
- The following table illustrates the minimum Premium Stabilization Reserve (PSR) accounting for the past five policy years:

PSR Accounting	2014	2015	2016	2017	2018
Anthem Annual Premium	\$44,145,676	\$46,617,533	\$47,725,568	\$51,421,751	\$55,132,694
Minimum PSR Factor	15.0%	15.0%	15.0%	15.0%	15.0%
Minimum PSR Required	\$6,621,851	\$6,992,630	\$7,158,835	\$7,713,263	\$8,269,904
PSR Ending Balance	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836	\$11,956,924
PSR Difference	\$8,182,678	\$11,393,840	\$12,512,795	\$8,621,573	\$3,687,020

2018 Anthem Accounting Summary – Premium Defrayal

- When the PSR amount becomes higher than the minimum PSR standard, LACERS can offer a premium defrayal or rate adjustment to reduce the PSR.
- LACERS has elected premium defrayals based on YEA results for 2013, 2014, 2015, 2016 and 2017.
- For 2018, LACERS elected to offer rate adjustments to certain coverage requiring increases.
- The following table illustrates the PSR accounting for the past policy years:

Premium Defrayal (PD)	2014	2015	2016	2017	2018
PSR Balance	\$14,804,529	\$18,386,470	\$19,671,630	\$16,334,836	\$11,956,924
PD Declared	Yes	Yes	Yes	Yes	Yes, Rate Adj.
PD Taken	May 2015	May 2016	Sep. 2017	Aug. 2018	2019
PD Amount	\$3,708,149	\$3,717,788	\$4,010,444	\$4,529,968	\$1,306,543

2018 Anthem Accounting Summary By Plan

LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM

Annual Accounting
Case No. C22357
January 1, 2018 through December 31, 2018

	HMO	PPO	Medicare Supplement	Medicare D	Total
Income Received	\$15,252,406	\$16,824,948	\$9,934,629	\$15,394,204	\$57,406,187
2018 Premium Adj based on cancellations	(\$2,519,134)	(\$244,177)	(\$159,431)		(\$2,922,742)
CMS Revenue (Medicare D)	\$0	\$0	\$0	\$649,249	\$649,249
Total Income Received	\$12,733,272	\$16,580,771	\$9,775,198	\$16,043,453	\$55,132,694
Paid Claims	\$7,378,536	\$14,589,984	\$7,587,669	\$20,090,305	\$49,646,494
+ Ending Reserve	\$625,235	\$1,291,417	\$917,061	\$733,695	\$3,567,408
- Beginning Reserve	(\$525,108)	(\$1,174,704)	(\$821,769)	(\$618,864)	(\$3,140,445)
+ Large Claim Charge	\$719,117	\$719,273	\$0	\$0	\$1,438,390
- Large Claim Credit	(\$1,112,654)	(\$1,774,728)	\$0	\$0	(\$2,887,382)
Incurred Claims	\$7,085,126	\$13,651,242	\$7,682,961	\$20,205,136	\$48,624,465
Retention	\$502,841	\$639,930	\$1,373,316	\$1,026,784	\$3,542,871
HMC Programs	\$15,637	\$18,279	\$54,552	\$0	\$88,468
Silver Sneakers Program	\$0	\$0	\$277,546	\$0	\$277,546
Premium Tax	\$0	(\$127,231)	\$217,944	\$175,705	\$266,418
ACA Insurer Fee	\$342,291	\$397,975	\$0	\$459,674	\$1,199,940
Capitation Expenses	\$4,709,031	\$0	\$0	\$0	\$4,709,031
Consortium Fees	\$0	\$6,200	\$0	\$0	\$6,200
Part D Adjust-Reopened CMS Final Settlement_2012	\$0	\$0	\$0	(\$125)	(\$125)
Part D Credit for CMS Final Settlement_2017	\$0	\$0	\$0	(\$2,419,714)	(\$2,419,714)
Part D True-Up for Coverage Gap Discount_2017	\$0	\$0	\$0	(\$609)	(\$609)
Part D Est. Credit for Coverage Gap Discount_2018	\$0	\$0	\$0	(\$2,276,461)	(\$2,276,461)
Total Expense	\$12,654,926	\$14,586,395	\$9,606,319	\$17,170,390	\$54,018,030
Expense Ratio	99.38%	87.97%	98.27%	107.02%	97.98%
Accumulated Surplus/(Deficit) at December 31, 2018	\$78,346	\$1,994,376	\$168,879	(\$1,126,937)	\$1,114,664
Amount Designated to Claims Stabilization Fund	(\$119,802)	\$0	\$0	\$0	(\$119,802)
Amount Designated to Premium Stabilization Reserve	\$41,456	(\$1,994,376)	(\$168,879)	\$1,126,937	(\$994,862)
Ending Balance	\$0	\$0	\$0	\$0	\$0

2018 Anthem Accounting Summary - Accounting History

	2014	2015	2016	2017	2018
Annual Amount					
Total Income	\$44,145,676	\$46,617,533	\$47,725,568	\$51,421,751	\$55,132,694
Total Expenses	\$40,333,111	\$43,162,008	\$46,708,176	\$47,280,802	\$54,018,030
Surplus / (Deficit)	\$3,812,565	\$3,455,525	\$1,017,392	\$4,140,949	\$1,114,664
Expense Ratio	91.4%	92.6%	97.87%	91.95%	97.98%
Contracts	4,453	4,413	4,795	4,734	4,930
Per Retiree Per Month Amount					
Total Income	\$1,081.03	\$826.14	\$880.31	\$829.43	\$931.93
Total Expenses	\$993.98	\$754.79	\$815.05	\$811.75	\$913.08
Surplus / (Deficit)	\$87.05	\$71.35	\$65.25	\$17.68	\$18.84

Conclusions

- LACERS established a 115 trust for 2019.
- For the 2018 Year-End Accounting, LACERS may want to consider a fund transfer to LACERS' 115 Trust.
- The following chart illustrates the ending position for 2018 and beginning position for 2019:

January 1, 2019 Beginning Position	
PSR Balance	\$11,956,924
Premium Adjustment for 2019 taken from 2018 YEA	\$1,306,543
CSF Balance	\$1,405,423
Minimum PSR Balance	\$8,269,904
Projected Balance above Minimum PSR Balance:	\$3,687,020

Acknowledgement

Keenan & Associates would like to thank Ms. Lita Payne, Mr. Alex Rabrenovich, and the LACERS Health Benefits Administration staff for providing the necessary data and engaging in this renewal process. Their cooperation and guidance have been extremely valuable.

Questions and Answers

BOARD Meeting: 09/10/2019

Item: VI-B

Attachment: 2

Anthem Blue Cross 2018 Year-End Accounting and Transfer of
Premium Stabilization Reserve Funds

PROPOSED RESOLUTION

WHEREAS, LACERS has participating contracts with Anthem Blue Cross (Anthem), which means that at the end of each plan year, an accounting is performed to determine total premium funds versus total claims costs and administrative expenses;

WHEREAS, if the year-end accounting results in a deficit of premium funds, LACERS must pay Anthem the shortfall; if the accounting results in a surplus, those funds may be returned to LACERS;

WHEREAS, LACERS maintains a Premium Stabilization Reserve (PSR) account with Anthem and premium surpluses are placed in this account to be used at a later time, usually to fund a premium defrayal for Anthem Members;

WHEREAS, the 2018 accounting showed that the PSR had an accumulated balance of \$11,956,924;

WHEREAS, the PSR funds are not required to be retained with Anthem and at the September 10, 2019 Board of Administration meeting, the Board approved a recommendation to return the PSR funds to LACERS' Section 115 Trust account;

WHEREAS, tax law requires that only the portion of the PSR funds that is estimated to have been paid out of pocket by Members can be transferred to the Section 115 Trust account, and the portion that is estimated to have been paid by LACERS as medical plan subsidy dollars must be returned to LACERS' 401(h) account, the account from which these monies originated;

WHEREAS, on August 27, 2019, the Benefits Administration Committee approved forwarding a recommendation to transfer the entire balance of the PSR to LACERS' Section 115 Trust and 401(h) accounts;

NOW, THEREFORE, BE IT RESOLVED that the Board hereby approves the transfer of Anthem PSR funds to LACERS' Section 115 Trust and 401(h) accounts, apportioned in amounts to be determined by staff.

August 27, 2019



REPORT TO BOARD OF ADMINISTRATION
From: Neil M. Guglielmo, General Manager

MEETING: SEPTEMBER 10, 2019
ITEM: VII-A

Neil M. Guglielmo

SUBJECT: EDUCATION AND TRAVEL EXPENDITURE REPORT FOR FISCAL YEAR 2018-19

ACTION: CLOSED: CONSENT: RECEIVE & FILE:

Recommendation

That the Board receive and file this report.

Executive Summary

A report of Board and staff travel expenditures is provided to the Board on a quarterly basis pursuant to the Board Education and Travel Policy. The total travel expenditure for the quarter ending June 30, 2019 was \$45,200.23 or 23.7% of the \$190,605.00 total budget for FY 2018-19 while the annual total was \$105,296.22 or 55.2% of the \$190,605.00 total budget for FY 2018-19.

	FY 2018-19 Budget	Quarter Ending 06/30/19		FY 2018-19 Total	
		Amount	Budget %	Amount	Budget %
Board	\$ 30,000.00	\$ 14,504.41	48.3%	\$ 20,351.31	67.8%
Staff	\$ 88,655.00	\$ 12,832.80	14.5%	\$ 41,457.06	46.8%
Investment Administration	\$ 71,950.00	\$ 17,863.02	24.8%	\$ 43,487.85	60.4%
Total	\$190,605.00	\$ 45,200.23	23.7%	\$105,296.22	55.2%

Discussion

The attached report details the travel expenses for educational conferences attended by Board Members; investment due diligence visits conducted by Investment Division staff; and educational conferences and training courses attended by Los Angeles City Employees' Retirement System (LACERS) staff during FY 2018-19. The reported costs include registration and airfare expenditures paid directly by LACERS, as well as the amount reimbursed to Board Members and staff.

This report was prepared by Mikyong Jang, Department Chief Accountant IV.

NG:TB:MJ:LB

Attachment: 1) LACERS Board and Staff Education, Training, Investment Administration Related
Travel Quarterly Expenditure Report

BOARD Meeting: 09/10/2019
 Item: VII - A
 Attachment: 1

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
 BOARD MEMBERS' EDUCATION AND RELATED TRAVEL REPORT
 FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

BOARD MEMBER	TRAVEL EXPENDITURES		ANNUAL MAX. AMT./TRUSTEE*	BALANCE TO ANNUAL MAX. LIMIT
	QE 06/30/19	YTD AS OF 06/30/19		
CYNTHIA RUIZ	\$ 319.86	\$ 1,633.83	\$ 10,000.00	\$ 8,366.17
ELIZABETH GREENWOOD	-	1,622.52	10,000.00	8,377.48
ELIZABETH LEE	3,895.54	5,336.23	10,000.00	4,663.77
SANDRA LEE	-	-	10,000.00	10,000.00
NILZA SERRANO	-	-	10,000.00	10,000.00
SUNG WON SOHN	10,289.01	10,561.41	10,000.00	(561.41)
MICHAEL WILKINSON	-	1,197.32	10,000.00	8,802.68
TOTAL BOARD MEMBERS' TRAVEL EXP. & ANNUAL LIMIT	\$ 14,504.41	\$ 20,351.31	\$ 70,000.00	N/A
TOTAL BOARD MEMBERS' TRAVEL EXPENSE BUDGET (%)**	48.3%	67.8%		

*Annual maximum travel expenditures limit per trustee is set at \$10,000.

**Calculated as a percentage of the \$30,000 FY19 budget allocation for Board travel.

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
BOARD MEMBERS' EDUCATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
ELIZABETH GREENWOOD	VALUE EDGE ADVISORS	2018 PUBLIC FUNDS FORUM	LAGUNA BEACH, CA	09/04/18	09/06/18	\$ 345.00	\$ -	\$ 845.70	\$ 196.82	\$ 1,387.52
CYNTHIA RUIZ	PRINCIPLES FOR RESPONSIBLE INVESTMENT (PRI) ASSOCIATION	PRI IN PERSON 2018	SAN FRANCISCO, CA	09/12/18	09/14/18	-	171.35	696.52	272.25	1,140.12
ELIZABETH LEE	CONEXUS FINANCIAL	FIDUCIARY INVESTORS SYMPOSIUM	STANFORD, CA	09/29/18	10/02/18	-	162.40	1,026.84	251.45	1,440.69
SUNG WON SOHN*	COUNCIL OF INSTITUTIONAL INVESTORS (CII)	CII FALL 2018 CONFERENCE	BOSTON, MA	10/24/18	10/27/18	-	272.40	-	-	272.40
MICHAEL WILKINSON	STATE ASSOCIATION OF COUNTY RETIREMENT SYSTEMS (SACRS)	SACRS 2018 FALL CONFERENCE	INDIAN WELLS, CA	11/13/18	11/16/18	130.00	-	811.62	255.70	1,197.32
CYNTHIA RUIZ**	CALIFORNIA ASSOCIATION OF PUBLIC RETIREMENT SYSTEMS (CALAPRS)	CALAPRS GENERAL ASSEMBLY 2019	MONTEREY, CA	03/03/19	03/05/19	-	173.85	-	-	173.85
ELIZABETH GREENWOOD***	COUNCIL OF INSTITUTIONAL INVESTORS (CII)	CII SPRING 2019 CONFERENCE	WASHINGTON, DC	03/03/19	03/07/19	-	-	-	235.00	235.00
CYNTHIA RUIZ	HISPANIC HERITAGE FOUNDATION (HHF)	HISPANIC HERITAGE FOUNDATION INVESTORS (HHF) FORUM	OAKLAND, CA	06/06/19	06/07/19	-	12.00	148.82	159.04	319.86
SUNG WON SOHN	MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)	PROFESSIONAL CERTIFICATE PROGRAM IN REAL ESTATE FINANCE AND DEVELOPMENT	CAMBRIDGE, MA	06/16/19	06/22/19	7,125.00	288.30	2,358.80	516.91	10,289.01
ELIZABETH LEE	INTERNATIONAL FOUNDATION OF EMPLOYEE BENEFIT PLANS (IFEBP)	2019 CERTIFICATE OF ACHIEVEMENT IN PUBLIC PLAN POLICY(CAPPP)	BOSTON, MA	06/17/19	06/21/19	1,545.00	638.60	1,323.04	388.90	3,895.54
BOARD MEMBERS' EDUCATION AND RELATED TRAVEL EXPENDITURES FOR THE 1ST QUARTER ENDING 09/30/18:						\$ 345.00	\$ 333.75	\$ 2,569.06	\$ 720.52	\$ 3,968.33
BOARD MEMBERS' EDUCATION AND RELATED TRAVEL EXPENDITURES FOR THE 2ND QUARTER ENDING 12/31/18:						\$ 130.00	\$ 272.40	\$ 811.62	\$ 255.70	\$ 1,469.72
BOARD MEMBERS' EDUCATION AND RELATED TRAVEL EXPENDITURES FOR THE 3RD QUARTER ENDING 03/31/19:						\$ -	\$ 173.85	\$ -	\$ 235.00	\$ 408.85
BOARD MEMBERS' EDUCATION AND RELATED TRAVEL EXPENDITURES FOR THE 4TH QUARTER ENDING 06/30/19:						\$ 8,670.00	\$ 938.90	\$ 3,830.66	\$ 1,064.85	\$ 14,504.41
YTD TRAVEL EXPENDITURES / ANNUAL BUDGET FOR BOARD EDUCATION AND TRAVEL (AMOUNT & %)*****:						\$20,351.31		\$30,000.00		67.8%
YTD BOARD MEMBERS' TRAVEL EXPENDITURES / ANNUAL BUDGET FOR ALL DEPARTMENT TRAVEL (AMOUNT & %):						\$20,351.31		\$190,605.00		10.7%

*Traveler cancelled the trip due to change of conference date and location, however, airfare was non-refundable.

**Travel was cancelled. Airfare credit was partially used by Board Commissioner on her travel in June 2019. Remaining non-transferrable and non-refundable airline credit is \$11.68 with expiry date of 02/14/20.

***Commissioner Greenwood was invited as a speaker for the conference.

****Calculated as a percentage of the \$30,000 FY19 budget allocation for Board Travel.

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
STAFF EDUCATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
BRIAN CHA*	LRS RETIREMENT SOLUTIONS	PENSIONGOLD TEAMING CONFERENCE 2018	SPRINGFIELD, IL	09/17/18	09/20/18	\$ -	\$ 377.00	\$ 362.73	\$ 164.25	\$ 903.98
AUDREY DYMALLY*	LRS RETIREMENT SOLUTIONS	PENSIONGOLD TEAMING CONFERENCE 2018	SPRINGFIELD, IL	09/17/18	09/20/18	-	388.40	362.73	109.00	860.13
LAURIE TRAN*	LRS RETIREMENT SOLUTIONS	PENSIONGOLD TEAMING CONFERENCE 2018	SPRINGFIELD, IL	09/17/18	09/20/18	-	377.00	362.73	212.61	952.34
CLIFF LIM*	LRS RETIREMENT SOLUTIONS	PENSIONGOLD TEAMING CONFERENCE 2018	SPRINGFIELD, IL	09/17/18	09/20/18	-	377.00	362.73	262.06	1,001.79
TANEDA LARIOS*	LRS RETIREMENT SOLUTIONS	PENSIONGOLD TEAMING CONFERENCE 2018	SPRINGFIELD, IL	09/17/18	09/20/18	-	388.40	362.73	368.11	1,119.24
FERRALYN SNEED	INTERNATIONAL FOUNDATION OF EMPLOYEE BENEFIT PLANS (IFEBP)	64TH ANNUAL EMPLOYEE BENEFITS CONFERENCE	NEW ORLEANS, LA	10/12/18	10/17/18	2,455.00	416.40	1,536.40	413.75	4,821.55
ANN SEALES	INTERNATIONAL FOUNDATION OF EMPLOYEE BENEFIT PLANS (IFEBP)	64TH ANNUAL EMPLOYEE BENEFITS CONFERENCE	NEW ORLEANS, LA	10/12/18	10/17/18	2,455.00	416.40	1,536.40	380.00	4,787.80
TANEDA LARIOS**	INTERNATIONAL FOUNDATION OF EMPLOYEE BENEFIT PLANS (IFEBP)	64TH ANNUAL EMPLOYEE BENEFITS CONFERENCE	NEW ORLEANS, LA	10/12/18	10/17/18	2,455.00	416.40	-	-	2,871.40
CARMELITA PAYNE	NOSSAMAN LLP	NOSSAMAN'S 2018 FIDUCIARIES' FORUM	SAN FRANCISCO, CA	10/18/18	10/19/18	380.00	211.66	336.52	134.31	1,062.49
RAHOOF OYEWOLE	ASSOCIATION OF PUBLIC PENSION FUND AUDITORS (APPFA)	APPFA PROFESSIONAL DEVELOPMENT CONFERENCE	PHILADELPHIA, PA	11/04/18	11/07/18	425.00	535.14	555.06	240.46	1,755.66
HEATHER RAMIREZ	LACERS	2019 OPEN ENROLLMENT MEETING & LACERS WELL'S SILVERSNEAKERS OPEN HOUSE	LAS VEGAS, NV	11/06/18	11/08/18	-	262.11	151.40	171.25	584.76
TIFFANY OBEMBE	LACERS	2019 OPEN ENROLLMENT MEETING & LACERS WELL'S SILVERSNEAKERS OPEN HOUSE	LAS VEGAS, NV	11/06/18	11/08/18	-	126.97	151.40	167.00	445.37
WENDY JOHNSON	LACERS	2019 OPEN ENROLLMENT MEETING	LAS VEGAS, NV	11/07/18	11/08/18	-	-	75.70	311.49	387.19
MARIA SALAMANCA	LACERS	2019 OPEN ENROLLMENT MEETING	LAS VEGAS, NV	11/07/18	11/08/18	-	-	75.70	391.06	466.76

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
STAFF EDUCATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
VIRGINIA LOPEZ	LACERS	2019 OPEN ENROLLMENT MEETING	LAS VEGAS, NV	11/07/18	11/08/18	-	-	75.70	110.00	185.70
ALEXANDER RABRENOVICH	LACERS	2019 OPEN ENROLLMENT MEETING	LAS VEGAS, NV	11/07/18	11/08/18	-	-	75.70	375.42	451.12
BRUCE BERNAL	LACERS	2019 OPEN ENROLLMENT MEETING	LAS VEGAS, NV	11/07/18	11/08/18	-	-	75.70	357.54	433.24
JOSHUA GELLER	NATIONAL ASSOCIATION OF PUBLIC PENSION ATTORNEYS (NAPPA)	NAPPA 2019 WINTER SEMINAR	TEMPE, AZ	02/19/19	02/21/19	485.00	179.96	511.04	182.97	1,358.97
ANYA FREEDMAN	NATIONAL ASSOCIATION OF PUBLIC PENSION ATTORNEYS (NAPPA)	NAPPA 2019 WINTER SEMINAR	TEMPE, AZ	02/21/19	02/22/19	555.00	187.96	255.52	125.05	1,123.53
NEIL M. GUGLIELMO****	CALIFORNIA ASSOCIATION OF PUBLIC RETIREMENT SYSTEMS (CALAPRS)	CALAPRS GENERAL ASSEMBLY 2019	MONTEREY, CA	03/03/19	03/05/19	-	130.26	-	-	130.26
CARMELITA PAYNE*****	CALIFORNIA ASSOCIATION OF PUBLIC RETIREMENT SYSTEMS (CALAPRS)	CALAPRS GENERAL ASSEMBLY 2019	MONTEREY, CA	03/03/19	03/05/19	-	630.55	510.04	287.27	1,427.86
NEIL M. GUGLIELMO*****	C40 CITIES	C40 DIVEST-INVEST FORUM	LONDON, ENGLAND	03/18/19	03/22/19	-	1,025.43	-	467.69	1,493.12
JAMES NAPIER	BERNSTEIN LITOWITZ BERGER & GROSSMANN LLP (BLB&G)	2019 INSTITUTIONAL INVESTOR FORUM	NEW ORLEANS, LA	04/10/19	04/13/19	-	504.59	517.95	351.77	1,374.31
JOSHUA GELLER	PRACTISING LAW INSTITUTE (PLI)	2019 20TH ANNUAL INSTITUTE ON PRIVACY & DATA SECURITY LAW	SAN FRANCISCO, CA	05/05/19	05/07/19	473.75	262.10	831.83	294.91	1,862.59
MARIA REJUSO	ASSOCIATION OF LOCAL GOVERNMENT AUDITORS (ALGA)	ALGA 31ST ANNUAL CONFERENCE	KANSAS CITY, MO	05/05/19	05/09/19	825.00	216.60	597.60	328.47	1,967.67
LONG MA	PUBLIC RETIREMENT INFORMATION SYSTEMS MANAGEMENT (PRISM)	2019 PRISM CONFERENCE	INDIANAPOLIS, IN	05/11/19	05/15/19	650.00	388.60	696.15	186.43	1,921.18
DALE NGUYEN	GOVERNING IN COLLABORATION WITH LIVING CITIES	SUMMIT ON GOVERNMENT PERFORMANCE & INNOVATION	MINNEAPOLIS, MN	06/04/19	06/06/19	-	455.20	518.22	207.98	1,181.40
CHRISTOPHER YIP	GARTNER	GARTNER SECURITY & RISK MANAGEMENT SUMMIT	NATIONAL HARBOR, MD	06/16/19	06/20/19	-	737.29	1,393.20	306.48	2,436.97

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
STAFF EDUCATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
JOSHUA GELLER	NATIONAL ASSOCIATION OF PUBLIC PENSION ATTORNEYS (NAPPA)	LEGAL EDUCATION CONFERENCE	SAN DIEGO, CA	06/25/19	06/28/19	895.00	-	886.05	307.63	2,088.68
TOTAL STAFF TRAVEL EXPENDITURES FOR THE 1ST QUARTER ENDING 09/30/18:						\$ -	\$ 1,907.80	\$ 1,813.65	\$ 1,116.03	\$ 4,837.48
TOTAL STAFF TRAVEL EXPENDITURES FOR THE 2ND QUARTER ENDING 12/31/18:						\$ 8,170.00	\$ 2,385.08	\$ 4,645.68	\$ 3,052.28	\$ 18,253.04
TOTAL STAFF TRAVEL EXPENDITURES FOR THE 3RD QUARTER ENDING 03/31/19:						\$ 1,040.00	\$ 2,154.16	\$ 1,276.60	\$ 1,062.98	\$ 5,533.74
TOTAL STAFF TRAVEL EXPENDITURES FOR THE 4TH QUARTER ENDING 06/30/19:						\$ 2,843.75	\$ 2,564.38	\$ 5,441.00	\$ 1,983.67	\$ 12,832.80
***YTD TRAVEL EXPENDITURES / ANNUAL BUDGET FOR STAFF TRAVEL (AMOUNT & %):						\$41,457.06		\$88,655.00		46.8%
YTD STAFF TRAVEL EXPENDITURES / ANNUAL BUDGET FOR ALL DEPARTMENT TRAVEL (AMOUNT & %):						\$41,457.06		\$190,605.00		21.8%

* Registration fees for three (3) out of five (5) attendees, \$2,700.00, were paid out from Training Budget Account. Two registrations are included in the contract with LRS.

** Travel was cancelled. Registration credit of \$2,405 were used by Board Commissioner and staff on their travel on June and July 2019.

Airfare is non-transferrable and non-refundable. Out of \$416.40, \$404.40 was issued as a credit to the traveler with an expiration on July 20, 2019.

*** Includes a budgetary transfer of \$14,000, made on July 9, 2018, for City Attorney staff travel, resulting in an overall increase of the staff travel budget to \$88,655.

****Travel was cancelled but airfare of \$130.26 was non-transferrable and non-refundable. Airline issued a credit memo for \$118.26 (net of \$12 service fee) with expiry date of January 03, 2020.

*****Two flights and a car rental were booked. First booking and car rental were cancelled. Out of \$630.55 airfare costs, \$107.96 (net of \$12 service fee) was non-refundable with expiry date of January 03, 2020.

*****Airfare in the amount of \$1,013.43 and airport transfer cost of \$33.18 was reimbursed by C40 Cities on April 18, 2019.

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
INVESTMENT ADMINISTRATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
JIMMY WANG	BAIRD ADVISORS AND NUEBERGER BERMAN	DUE DILIGENCE	MILWAUKEE, WI & CHICAGO, IL	07/09/18	07/11/18	\$ -	\$ 531.60	\$ 453.18	\$ 360.60	\$ 1,345.38
BRYAN FUJITA	PACIFIC PENSION & INVESTMENT INSTITUTE (PPI)	SUMMER ROUNDTABLE 2018	LA JOLLA, CA	07/11/18	07/13/18	900.00	-	586.04	95.20	1,581.24
JIMMY WANG	LM CAPITAL GROUP	DUE DILIGENCE	SAN DIEGO, CA	08/30/18	08/30/18	-	-	-	164.57	164.57
EDUARDO PARK*	ASANA PARTNERS	APFI ANNUAL INVESTOR MEETING	CHARLOTTE, NC	09/04/18	09/05/18	-	1,056.90	-	142.44	1,199.34
RODNEY JUNE	TORREYCOVE CAPITAL PARTNERS, LLC	DUE DILIGENCE	SAN DIEGO, CA	09/06/18	09/06/18	-	-	-	64.00	64.00
BRYAN FUJITA	TORREYCOVE CAPITAL PARTNERS, LLC	DUE DILIGENCE	SAN DIEGO, CA	09/06/18	09/06/18	-	-	-	64.00	64.00
WILKIN LY	TORREYCOVE CAPITAL PARTNERS, LLC	DUE DILIGENCE	SAN DIEGO, CA	09/06/18	09/06/18	-	-	-	64.00	64.00
RODNEY JUNE	PRINCIPLES FOR RESPONSIBLE INVESTMENT (PRI) ASSOCIATION	PRI IN PERSON 2018	SAN FRANCISCO, CA	09/12/18	09/14/18	1,799.00	150.40	637.26	210.00	2,796.66
EDUARDO PARK	PENSION REAL ESTATE ASSOCIATION (PREA)	PREA'S 28TH ANNUAL INSTITUTIONAL INVESTOR CONFERENCE	BOSTON, MA	10/02/18	10/05/18	110.00	431.40	753.08	289.43	1,583.91
RODNEY JUNE	POLARIS PARTNERS	POLARIS LIMITED PARTNER MEETING	BOSTON, MA	10/03/18	10/05/18	-	488.40	290.99	169.60	948.99
RODNEY JUNE	GCM GROSVENOR & AEGON	GCM GROSVENOR SMALL AND EMERGING MANAGERS CONFERENCE & AEGON MEETING	CHICAGO, IL	10/09/18	10/11/18	-	341.40	327.66	196.35	865.41
EDUARDO PARK**	TORCHLIGHT INVESTORS	2018 ANNUAL INVESTMENT SUMMIT	NEW YORK, NY	10/15/18	10/17/18	-	699.41	-	286.71	986.12
BRYAN FUJITA	NOSSAMAN LLP	NOSSAMAN'S 2018 FIDUCIARIES' FORUM	SAN FRANCISCO, CA	10/18/18	10/19/18	425.00	230.41	336.52	157.95	1,149.88
RODNEY JUNE	COUNCIL OF INSTITUTIONAL INVESTORS (CII)	CII FALL 2018 CONFERENCE	NEW YORK, NY	10/22/18	10/25/18	-	376.40	899.74	263.53	1,539.67
WILKIN LY	NATIONAL ASSOCIATION OF INVESTMENT COMPANIES (NAIC)	NAIC 2018 ANNUAL PRIVATE EQUITY & HEDGE FUND CONFERENCE	CHICAGO, IL	10/24/18	10/25/18	-	602.40	315.81	177.62	1,095.83
EDUARDO PARK	INSTITUTIONAL LIMITED PARTNERS ASSOCIATION (ILPA)	14TH ANNUAL ILPA SUMMIT 2018	NEW YORK, NY	11/06/18	11/08/18	-	596.40	472.64	335.11	1,404.15
BRYAN FUJITA	INVESCO	2018 INVESCO REAL ESTATE GLOBAL CLIENT CONFERENCE	LA JOLLA, CA	11/07/18	11/08/18	-	-	-	91.69	91.69
RODNEY JUNE	KPS CAPITAL PARTNERS, LP	2018 ANNUAL INVESTORS MEETING	KEY BISCAYNE, FL	11/07/18	11/09/18	-	384.60	-	143.67	528.27

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
INVESTMENT ADMINISTRATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
RONALD AUBERT	STATE ASSOCIATION OF COUNTY RETIREMENT SYSTEMS (SACRS)	SACRS 2018 FALL CONFERENCE	INDIAN WELLS, CA	11/14/18	11/15/18	120.00	-	270.54	54.00	444.54
RODNEY JUNE	BECHTEL CORP.	PENSIONS WEST MEETING	SAN FRANCISCO, CA	12/07/18	12/07/18	-	252.18	-	85.00	337.18
WILKIN LY	SPARK CAPITAL & GENSTAR CAPITAL	DUE DILIGENCE	SAN FRANCISCO, CA	12/12/18	12/12/18	-	286.40	-	105.30	391.70
WILKIN LY	INSTITUTIONAL LIMITED PARTNERS ASSOCIATION (ILPA)	2019 ILPA INSTITUTE - MODULE 3	SAN FRANCISCO, CA	01/15/19	01/17/19	1,499.00	178.40	743.68	149.70	2,570.78
WILKIN LY***	TA ASSOCIATES & THOMA BRAVO, LLC	DUE DILIGENCE	SAN FRANCISCO, CA	01/25/19	01/25/19	-	264.60	-	84.30	348.90
RODNEY JUNE	TEACHER RETIREMENT SYSTEM OF TEXAS (TRST) AND EMPLOYEES RETIREMENT SYSTEM OF TEXAS (ERST)	2019 TEXAS EMERGING MANAGER CONFERENCE	AUSTIN, TEXAS	02/06/19	02/07/19	-	284.00	195.92	136.56	616.48
BRYAN FUJITA	PENSIONS WEST	DUE DILIGENCE	OAKLAND, CA	03/01/19	03/01/19	-	280.59	-	89.00	369.59
BRYAN FUJITA	CALIFORNIA ASSOCIATION OF PUBLIC RETIREMENT SYSTEMS (CALAPRS)	CALAPRS GENERAL ASSEMBLY 2019	MONTEREY, CA	03/04/19	03/05/19	-	382.60	255.02	185.45	823.07
RODNEY JUNE	SEIZING EVERY OPPORTUNITY (SEO)	SEO ALTERNATIVE INVESTMENTS	NEW YORK, NY	03/06/19	03/07/19	-	366.60	316.54	181.00	864.14
RODNEY JUNE	TCV, LUMINATE CAPITAL, FRANCISCO	DUE DILIGENCE	SAN FRANCISCO, CA	03/14/19	03/15/19	-	176.96	253.40	185.38	615.74
WILKIN LY	THOMA BRAVO	DUE DILIGENCE	SAN FRANCISCO, CA	03/26/19	03/27/19	-	294.60	336.64	138.36	769.60
RODNEY JUNE	CEM BENCHMARKING	CEM INVESTMENT BENCHMARKING CLIENT WORKSHOP	TORONTO, CANADA	04/02/19	04/05/19	-	351.53	561.36	295.50	1,208.39
WILKIN LY	BENEFIT STREET PARTNERS	DUE DILIGENCE	NEW YORK, NY	04/16/19	04/17/19	-	706.59	295.14	212.94	1,214.67
BRYAN FUJITA	THL CREDIT - MONROE CAPITAL	DUE DILIGENCE	CHICAGO, IL	04/16/19	04/18/19	-	548.60	339.62	325.50	1,213.72
WILKIN LY	DEFY PARTNER	DUE DILIGENCE	WOODSIDE, CA	04/23/19	04/24/19	-	180.61	201.73	233.77	616.11
RODNEY JUNE	ALCENTRA LIMITED / CRESCENT CAPITAL GROUP	DUE DILIGENCE	LONDON, UK	04/29/19	05/03/19	-	908.41	779.16	541.82	2,229.39
BRYAN FUJITA	NEPC, LLC	2019 NEPC 24th ANNUAL INVS CONF / BAIN CAPITAL DUE DILIGENCE	BOSTON, MA	05/05/19	05/08/19	-	356.60	1,095.27	343.36	1,795.23

**LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM
INVESTMENT ADMINISTRATION AND RELATED TRAVEL EXPENDITURE REPORT
FOR THE PERIOD JULY 1, 2018 TO JUNE 30, 2019**

NAME	ORGANIZATION	CONFERENCE TITLE	LOCATION	START DATE	END DATE	REGISTRATION	AIRFARE	LODGING	OTHER TRAVEL EXP.	TOTAL EXPENSE
BRYAN FUJITA	PENSIONS AND INVESTMENTS (P&I)	2019 ESG INVESTING	SAN FRANCISCO, CA	05/16/19	05/16/19	-	201.46	-	88.30	289.76
RODNEY JUNE	NATIONAL CONFERENCE ON PUBLIC EMPLOYEE RETIREMENT SYSTEMS (NCPERS)	2019 ANNUAL CONFERENCE & EXHIBITION (ACE)	AUSTIN, TX	05/20/19	05/22/19	815.00	311.00	614.10	163.85	1,903.95
WILKIN LY	FREEMAN SPOGLI & CO	DUE DILIGENCE (FREEMAN SPOGLI & CO.)	DANA POINT, CA	05/21/19	05/21/19	-	-	-	61.99	61.99
EDUARDO PARK	GERRITY	DUE DILIGENCE (GERRITY ANNUAL INVESTOR MEETING)	SOLANA BEACH, CA	06/04/19	06/04/19	-	-	-	107.40	107.40
RODNEY JUNE	HISPANIC HERITAGE FOUNDATION (HHF) AND PENSION WEST	2019 HHF INVESTOR FORUM AND PENSION WEST	OAKLAND, CA	06/05/19	06/07/19	-	167.29	374.92	168.46	710.67
RODNEY JUNE	NATIONAL CONFERENCE ON PUBLIC EMPLOYEE RETIREMENT SYSTEMS (NCPERS)	2019 NCPERS CHIEF OFFICERS SUMMIT	CHICAGO, IL	06/12/19	06/14/19	-	346.60	525.96	197.25	1,069.81
WILKIN LY	GROSVENOR CAPITAL MANAGEMENT (GCM) GROSVENOR	2019 CONSORTIUM 16TH ANNUAL GCM GROSVENOR	NEW YORK, NY	06/12/19	06/13/19	-	443.60	392.51	216.21	1,052.32
BRYAN FUJITA	NORTHERN TRUST AND GIRLS WHO INVEST	NORTHERN TRUST AND GIRLS WHO INVEST	CHICAGO, IL AND NOTRE DAME, IN	06/19/19	06/21/19	-	882.00	513.82	263.00	1,658.82
RODNEY JUNE	NORTHERN TRUST AND GIRLS WHO INVEST	NORTHERN TRUST AND GIRLS WHO INVEST	CHICAGO, IL AND NOTRE DAME, IN	06/19/19	06/21/19	-	829.00	190.60	264.77	1,284.37
RODNEY JUNE	NATIONAL ASSOCIATION OF SECURITIES PROFESSIONALS (NASP)	NASP 30TH ANNIVERSARY PENSION & FINANCIAL SERVICES CONF	BALTIMORE, MD	06/23/19	06/26/19	150.00	501.30	551.32	243.80	1,446.42
INVESTMENT ADMINISTRATION TRAVEL EXPENDITURES FOR THE 1ST QUARTER ENDING 09/30/18:						\$ 2,699.00	\$ 1,738.90	\$ 1,676.48	\$ 1,164.81	\$ 7,279.19
INVESTMENT ADMINISTRATION TRAVEL EXPENDITURES FOR THE 2ND QUARTER ENDING 12/31/18:						\$ 655.00	\$ 4,689.40	\$ 3,666.98	\$ 2,355.96	\$ 11,367.34
INVESTMENT ADMINISTRATION TRAVEL EXPENDITURES FOR THE 3RD QUARTER ENDING 03/31/19:						\$ 1,499.00	\$ 2,228.35	\$ 2,101.20	\$ 1,149.75	\$ 6,978.30
INVESTMENT ADMINISTRATION TRAVEL EXPENDITURES FOR THE 4TH QUARTER ENDING 06/30/19:						\$ 965.00	\$ 6,734.59	\$ 6,435.51	\$ 3,727.92	\$ 17,863.02
YTD TRAVEL EXPENDITURES / ANNUAL BUDGET FOR INVESTMENT ADMINISTRATION TRAVEL EXPENDITURES (AMOUNT & %):						\$43,487.85		\$71,950.00		60.4%
YTD INVESTMENT ADMIN. TRAVEL EXPENDITURES / ANNUAL BUDGET FOR ALL DEPARTMENT TRAVEL (AMOUNT & %):						\$43,487.85		\$190,605.00		22.8%

* Airfare in the amount of \$1,056.90 was reimbursed by Asana Partners on 03/07/19.

** Airfare in the amount \$699.41 was reimbursed by Torchlight Investors on 04/15/19.

***Includes an erroneous service fee of \$12, which was subsequently credited back by Citibank on Feb 2019 Statement.

Event/Organization	
ALGA	ASSOCIATION OF LOCAL GOVERNMENT AUDITORS
APPFA	ASSOCIATION OF PUBLIC PENSION FUND AUDITORS
BLB&G	BERNSTEIN LITOWITZ BERGER & GROSSMANN LLP
CALAPRS	CALIFORNIA ASSOCIATION OF PUBLIC RETIREMENT SYSTEMS
CEM	CEM BENCHMARKING
CII	COUNCIL OF INSTITUTIONAL INVESTORS
ERST	EMPLOYEES RETIREMENT SYSTEM OF TEXAS
GCM	GROSVENOR CAPITAL MANAGEMENT
HEALTH OPEN ENROLLMENT	LACERS ANNUAL HEALTH PLAN OPEN ENROLLMENT
HHF	HISPANIC HERITAGE FOUNDATION
IFEBP	INTERNATIONAL FOUNDATION OF EMPLOYEE BENEFIT PLANS
ILPA	INSTITUTIONAL LIMITED PARTNERS ASSOCIATION
KPS	KPS ANNUAL INVESTOR MEETING
LRS RETIREMENT SOLUTIONS	LEVI, RAY & SHOUP RETIREMENT SOLUTIONS
MIT	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
NAIC	NATIONAL ASSOCIATION OF INVESTMENT COMPANIES
NAPPA	NATIONAL ASSOCIATION OF PUBLIC PENSION ATTORNEYS
NASP	NATIONAL ASSOCIATION OF SECURITIES PROFESSIONALS
NCPERS	NATIONAL CONFERENCE ON PUBLIC EMPLOYEE RETIREMENT SYSTEMS
NEPC	NEPC, LLC
P & I	PENSIONS AND INVESTMENTS
PLI	PRACTISING LAW INSTITUTE
PREA	PENSION REAL ESTATE ASSOCIATION
PRI	PRINCIPLES FOR RESPONSIBLE INVESTMENT
PRISM	PUBLIC RETIREMENT INFORMATION SYSTEMS MANAGEMENT
SACRS	STATE ASSOCIATION OF COUNTY RETIREMENT SYSTEMS
SEO	SPONSORS FOR EDUCATIONAL OPPORTUNITY ALTERNATIVE INVESTMENTS
TRST	TEACHER RETIREMENT SYSTEM OF TEXAS

PORTFOLIO PERFORMANCE REVIEW

LOS ANGELES CITY EMPLOYEES' RETIREMENT SYSTEM

Quarter Ending June 30, 2019



BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | PORTLAND | SAN FRANCISCO

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EXECUTIVE SUMMARY

NEPC, LLC

PERFORMANCE OVERVIEW

Q2 Market Summary

Macro			Equity			Credit			Real Assets		
US Dollar	VIX	US 10-Yr	S&P 500	MSCI EAFE	MSCI EM	US Agg.	High Yield	Dollar EMD	Oil	Gold	REITS
											
-1.2%	1.4%	-42 bps	4.3%	3.7%	0.6%	3.1%	2.5%	4.1%	-3.3%	9.0%	1.7%

	Market Value	3 Mo	Rank	YTD	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank	10 Yrs	Rank	15 Yrs	Rank	Inception	Inception Date
LACERS Master Trust	\$17,693,115,347	3.51%	20	11.54%	7	6.15%	34	9.52%	21	6.30%	34	9.90%	15	7.32%	17	8.22%	Oct-94
Policy Index		3.48%	21	13.07%	1	6.98%	15	9.80%	9	6.29%	35	9.87%	17	7.20%	32	8.17%	Oct-94
InvMetrics Public DB \$5-50B Gross Median		2.99%		10.16%		5.35%		9.14%		5.78%		8.79%		6.77%		7.83%	Oct-94

Note: Performance is gross of fees

Global equities broadly increased during the quarter as the market perceived a more dovish policy stance from the Fed

- U.S. Equity and Non-U.S. Equity composites outperformed. The U.S. Equity composite outperformance was driven by small cap growth and Non-U.S. Equity composite developed value and small cap.

Market expectations for several rate cuts from the Fed reached a fever pitch as investors assessed low inflation data, a weaker global growth outlook, and uncertainties of US-China trade tensions

- Core Fixed Income composite outperformed and Credit Opportunities Composite outperformed their benchmarks as yields decreased and investors' risk appetite continued.

The spread between the 10-year Treasury Note and 3-month Treasury Bill remained negative through the end of the quarter as yields for longer duration bonds shifted materially lower

Market segment (index representation) as follows: US Dollar (DXY Index), VIX (CBOE Volatility Index), US 10-Year (US 10-Year Treasury Yield), S&P 500 (US Equity), MSCI EAFE Index (International Developed Equity), MSCI Emerging Markets (Emerging Markets Equity), US Agg (Barclays US Aggregate Bond Index), High Yield (Barclays US High Yield Index), Dollar EMD (JPM EMBI Global Diversified Index), Crude Oil (WTI Crude Oil Spot), Gold (Gold Price Spot), and REITs (NAREIT Composite Index). Source: FactSet



MARKET OUTLOOK

NEPC, LLC

MACRO PERFORMANCE OVERVIEW

Q2 Macro Market Summary

The global growth outlook was revised downward – reflecting slower growth in major developed economies

The Fed signaled possible monetary easing to support economic growth

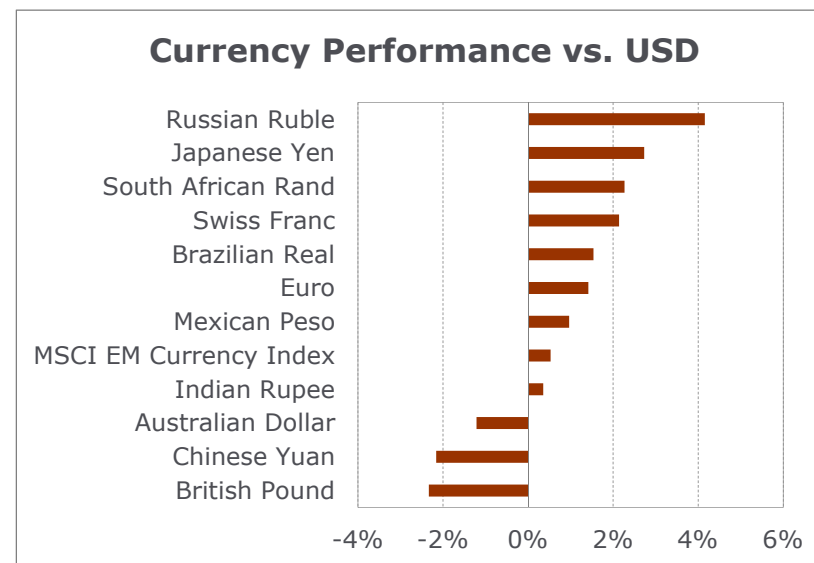
Global government bond yields continued to decline with the 10-year German yield declining 26 bps – reaching an all-time low

	Yield 3/31/19	Yield 6/30/19	Δ
US 10-Yr	2.42%	2.00%	-0.42%
US 30-Yr	2.82%	2.53%	-0.30%
US Real 10-Yr	0.53%	0.31%	-0.22%
German 10-Yr	-0.07%	-0.33%	-0.26%
Japan 10-Yr	-0.09%	-0.16%	-0.06%
China 10-Yr	3.09%	3.30%	0.22%
EM Local Debt	6.16%	5.69%	-0.48%

Source: FactSet

Central Banks	Current Rate	CPI YOY	Notes from the Quarter
Federal Reserve	2.25% - 2.50%	1.8%	The Fed held its benchmark interest rate at 2.25% - 2.50% in June, but signaled possible cuts later this year
European Central Bank	0.00%	1.2%	The ECB maintained its current benchmark interest rate and continued with plans to boost commercial lending
Bank of Japan	-0.10%	0.7%	The BoJ will continue its ultra-easy QE program with inflation remaining well below target

Source: FactSet



Source: FactSet



EQUITY PERFORMANCE OVERVIEW

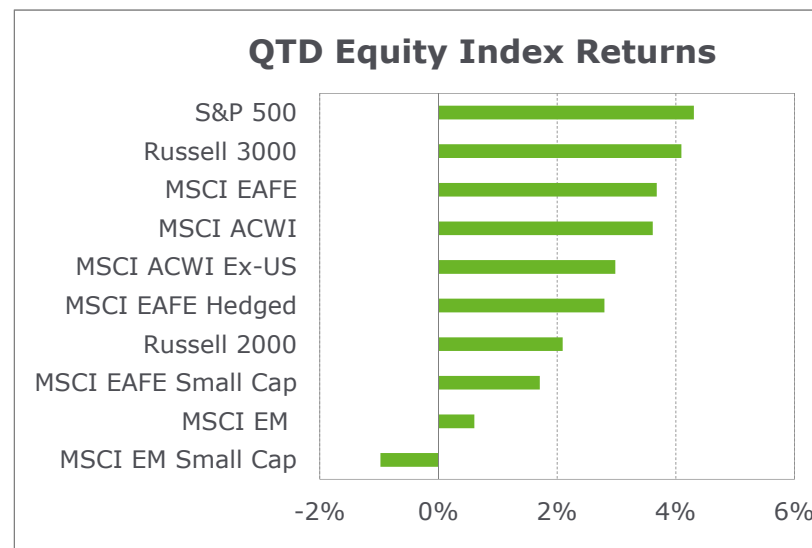
Q2 Equity Market Summary

Developed equities outperformed as hopes for easy monetary policy from the Fed and ECB provided a tailwind for local equity markets

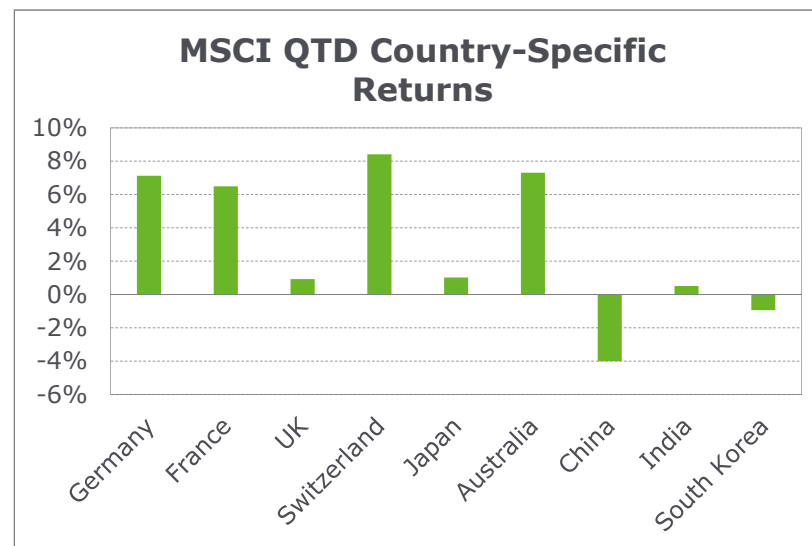
US-China trade uncertainties and yuan weakness weighed on Chinese equity returns

Russell 3000 QTD Sector Returns	
Technology	4.0%
Health Care	1.4%
Consumer Discretionary	6.2%
Consumer Staples	1.9%
Energy	-3.7%
Materials & Processing	5.7%
Producer Durables	4.0%
Financial Services	7.0%
Utilities	3.4%

Source: FactSet



Source: FactSet



Source: FactSet



CREDIT PERFORMANCE OVERVIEW

Q2 Credit Market Summary

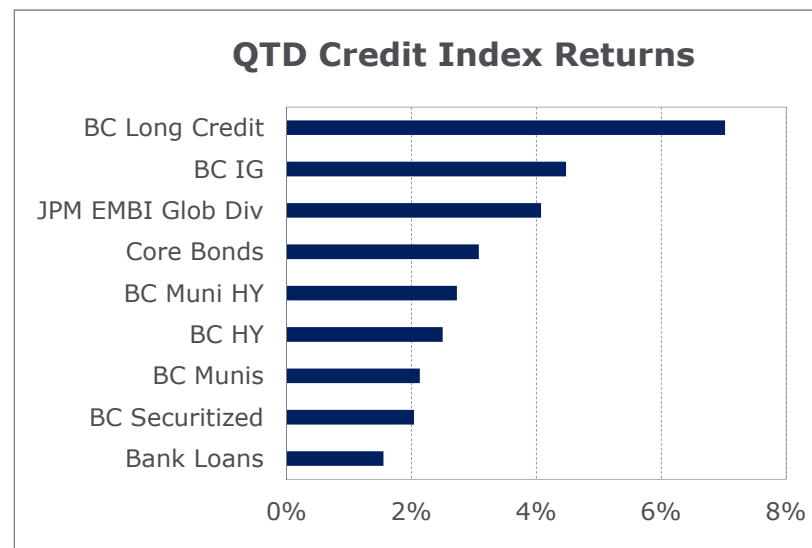
Global yields continued to decline - reflecting concerns over the global growth outlook

Assets with longer duration benefited from the decline of interest rates

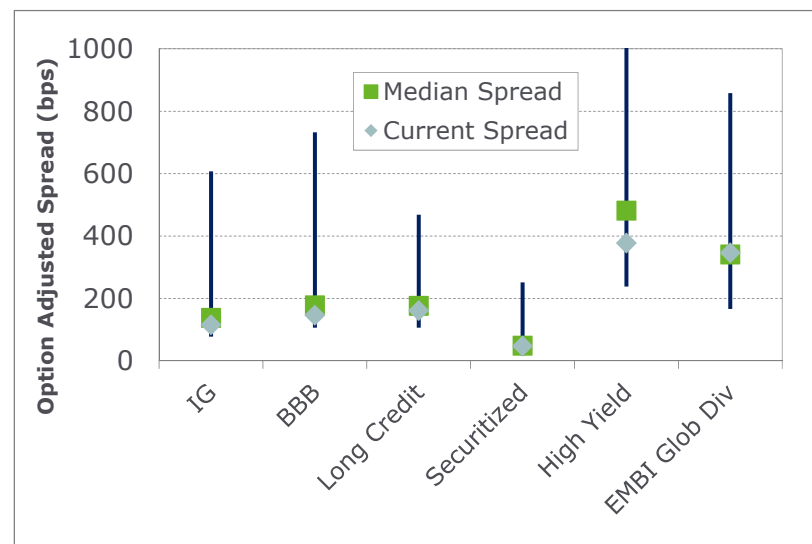
Broad index credit spreads remain below medians in most areas of the credit market

Credit Spread (Basis Points)	3/31/19	6/30/19	\Delta
BC IG Credit	119	115	-4
BC Long Credit	172	161	-11
BC Securitized	37	47	10
BC High Yield	391	377	-14
Muni HY	238	258	20
JPM EMBI	351	346	-5
Bank Loans - Libor	355	383	29

Source: FactSet



Source: FactSet



Source: FactSet; Ranges calculated since 11/30/2000



REAL ASSETS PERFORMANCE OVERVIEW

Q2 Real Assets Market Summary

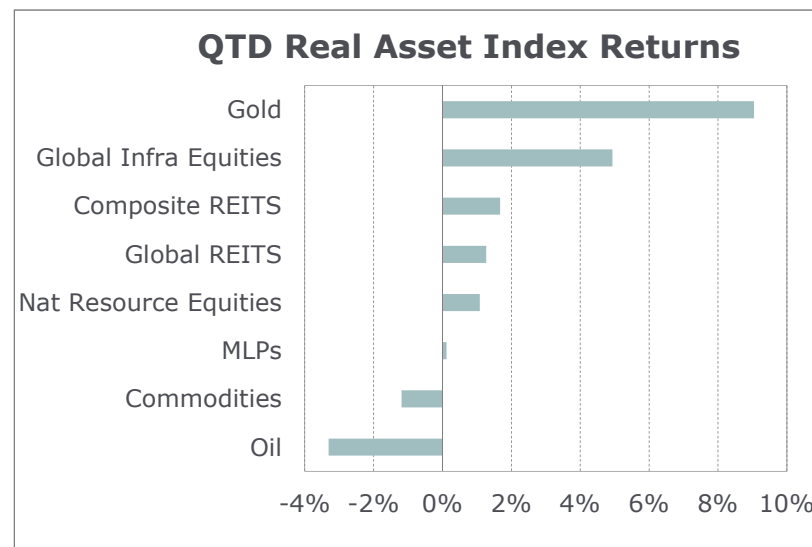
Spot gold prices increased 9.0% during the quarter as a result of escalating trade tensions and a weaker global economic outlook

The US inflation outlook weakened to its lowest level since Q3 2016

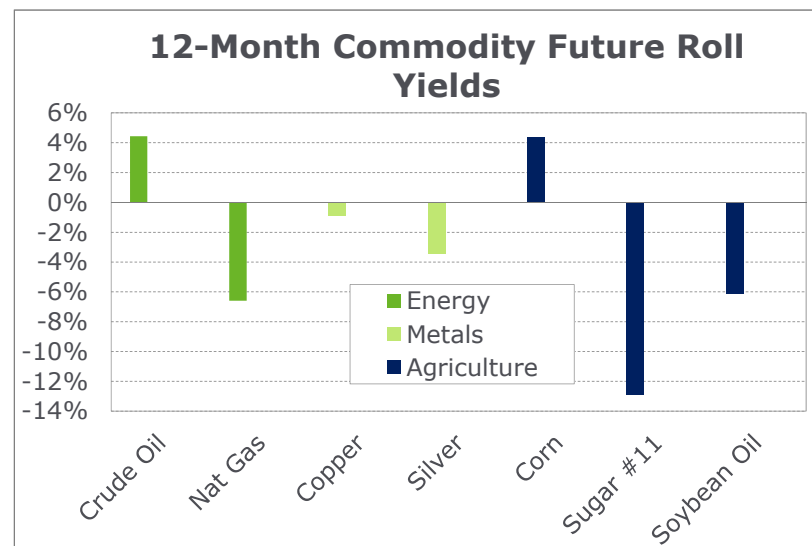
Midstream equities continue to offer favorable yields with positive industry trends

Real Asset Yields	3/31/19	6/30/19
MLPs	7.0%	7.7%
Core Real Estate	4.5%	4.4%
Composite REITs	4.1%	4.2%
Global REITs	4.2%	4.2%
Global Infrastructure Equities	4.4%	4.3%
Natural Resource Equities	4.2%	4.2%
US 10-Year Breakeven Inflation	1.97%	1.69%
Commodity Index Roll Yield	-2.7%	-2.0%
10-Year TIPS Real Yield	0.5%	0.3%

Source: FactSet



Source: FactSet



Source: FactSet

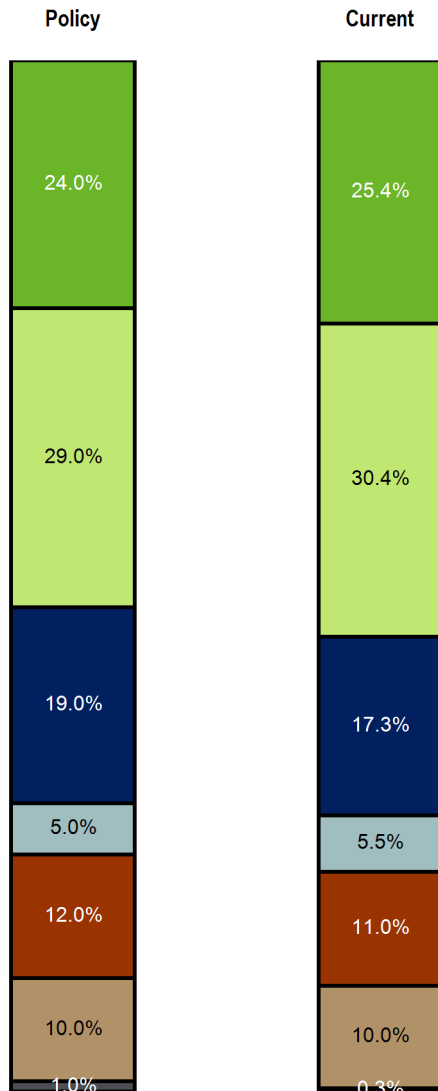


ASSET CLASS POLICY OVERVIEW

NEPC, LLC

Los Angeles City Employees' Retirement System

TOTAL FUND ASSET ALLOCATION VS. POLICY



Asset Allocation vs. Target						
	Current	Policy	Current Difference*	Policy Range	Within Range	
U.S. Equity	\$4,500,423,779	24.00%	25.44%	1.44%	19.00% - 29.00%	Yes
Non-US Equity	\$5,382,051,196	29.00%	30.42%	1.42%	24.00% - 34.00%	Yes
Core Fixed Income	\$3,065,987,757	19.00%	17.33%	-1.67%	15.00% - 22.00%	Yes
Credit Opportunities	\$970,661,464	5.00%	5.49%	0.49%	0.00% - 10.00%	Yes
Private Equity	\$1,952,025,876	12.00%	11.03%	-0.97%		Yes
Real Assets	\$1,765,575,907	10.00%	9.98%	-0.02%	7.00% - 13.00%	Yes
Cash	\$56,389,368	1.00%	0.32%	-0.68%	0.00% - 2.00%	Yes
Total	\$17,693,115,347	100.00%	100.00%			

*Difference between Policy and Current Allocation

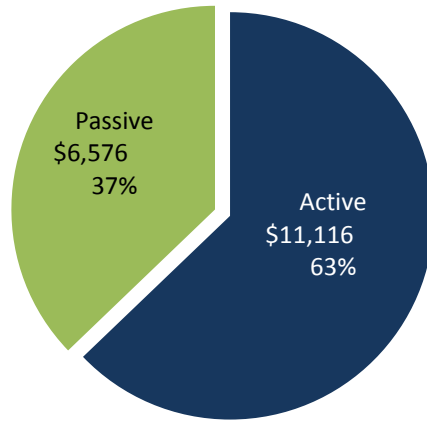
Note: Policy Target Asset Allocation does not reflect the new target asset allocation adopted on April 10, 2018. Implementation of the new asset allocation is currently in progress.



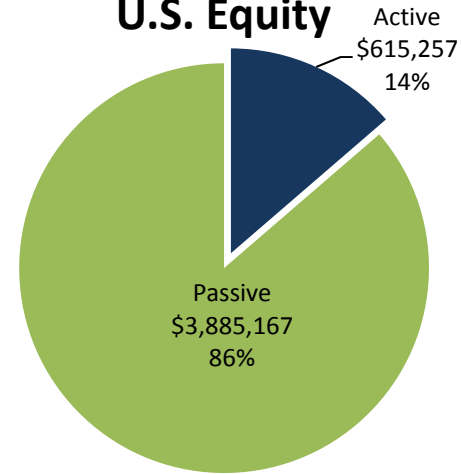
ACTIVE VS. PASSIVE MANAGER BREAKDOWN

Note: Market values shown in millions \$(000).

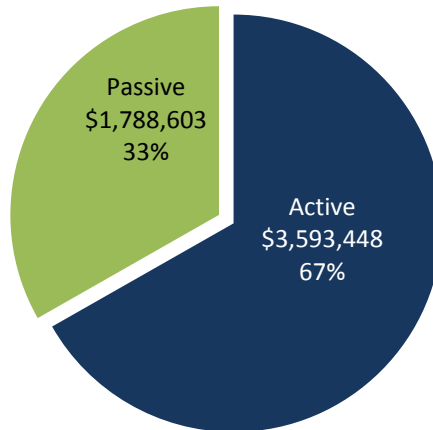
Total Fund



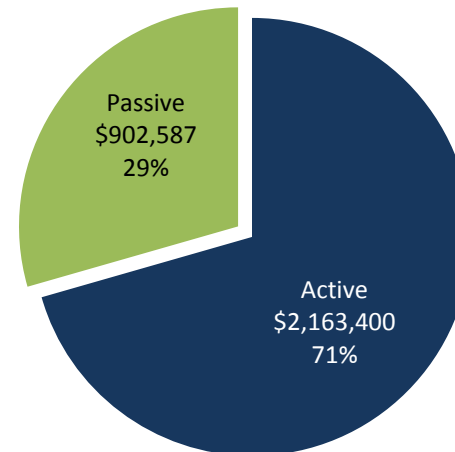
U.S. Equity



Non-U.S. Equity



Core Fixed Income



- Of the Total Fund, LACERS allocated 63% to active managers and 37% to passive managers.

- Credit Opportunities, Private Equity, and Real Assets programs are active and therefore are not shown.



PERFORMANCE OVERVIEW

NEPC, LLC

TOTAL FUND PERFORMANCE SUMMARY (GROSS OF FEES)

	Market Value	3 Mo	Rank	YTD	Rank	1 Yr	Rank	3 Yrs	Rank	5 Yrs	Rank	10 Yrs	Rank	15 Yrs	Rank	Inception	Inception Date
LACERS Master Trust	\$17,693,115,347	3.51%	20	11.54%	7	6.15%	34	9.52%	21	6.30%	34	9.90%	15	7.32%	17	8.22%	Oct-94
Policy Index		3.48%	21	13.07%	1	6.98%	15	9.80%	9	6.29%	35	9.87%	17	7.20%	32	8.17%	Oct-94
InvMetrics Public DB \$5-50B Gross Median		2.99%		10.16%		5.35%		9.14%		5.78%		8.79%		6.77%		7.83%	Oct-94

Over the past five years, the Fund returned 6.30% outperforming the policy index by 0.01% and ranked in the 34th percentile in the Public Funds \$5 Billion- \$50 Billion universe. The Fund's volatility was 6.93% ranking in the 85th percentile over this period. The Fund's risk-adjusted performance, as measured by the Sharpe Ratio, ranks in the 42nd percentile in its peer group.

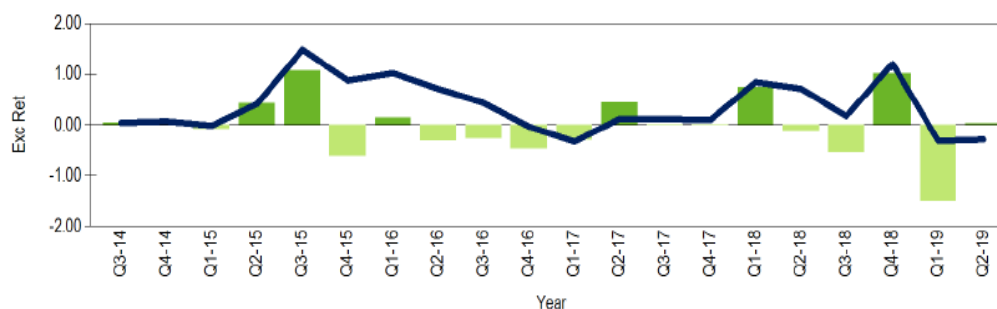
Over the past three years, the Fund returned 9.52% per year, underperforming the policy index by 0.28% and ranked in the 21st percentile in its peer group. The Fund's volatility ranks in the 81st percentile resulting in a three-year Sharpe Ratio of 1.22, ranking in the 44th percentile.

In the one-year ended June 30, 2019, the Fund experienced a net investment gain of \$1.03 billion, which includes a net investment gain of \$603.1 million during the first calendar quarter. Assets increased from \$16.94 billion twelve months ago to \$17.69 billion on June 30, 2019. The Fund returned 6.15%, underperforming the policy index by 0.83% and ranked in the 34th percentile in its peer group.

All asset classes were within policy range as of June 30, 2019.

The InvMetrics Public Funds \$5 Billion- \$50 Billion Universe contains 16 observations for the period ending June 30, 2019.

Quarterly and Cumulative Excess Performance



5 Years Ending June 30, 2019

	Annualized Return (%)	Rank	Annualized Standard Deviation	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
LACERS Master Trust	6.30%	34	6.93%	85	0.78	42	1.15	41
Policy Index	6.29%	35	7.92%	99	0.68	52	0.98	52
InvMetrics Public DB \$5-50B Gross Median	5.78%	--	6.38%	--	0.71	--	1.01	--

3 Years Ending June 30, 2019

	Annualized Return (%)	Rank	Annualized Standard Deviation	Rank	Sharpe Ratio	Rank	Sortino Ratio RF	Rank
LACERS Master Trust	9.52%	21	6.64%	81	1.22	44	1.37	41
Policy Index	9.80%	9	7.61%	99	1.10	59	1.30	56
InvMetrics Public DB \$5-50B Gross Median	9.14%	--	6.12%	--	1.20	--	1.36	--



Los Angeles City Employees' Retirement System

TOTAL FUND PERFORMANCE DETAIL (GROSS)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	17,693,115,347	100.00	3.51	11.54	6.15	9.52	6.30	9.90	8.22	Oct-94
<i>Policy Index</i>			<u>3.48</u>	<u>13.07</u>	<u>6.98</u>	<u>9.80</u>	<u>6.29</u>	<u>9.87</u>	<u>8.17</u>	<i>Oct-94</i>
Over/Under			0.03	-1.53	-0.83	-0.28	0.01	0.03	0.05	
U.S. Equity	4,500,423,779	25.44	4.25	18.82	8.25	14.07	10.14	14.67	10.49	Oct-94
<i>U.S. Equity Blend</i>			<u>4.10</u>	<u>18.71</u>	<u>8.98</u>	<u>14.02</u>	<u>10.19</u>	<u>14.67</u>	<u>9.42</u>	<i>Oct-94</i>
Over/Under			0.15	0.11	-0.73	0.05	-0.05	0.00	1.07	
Non-U.S. Equity	5,382,051,196	30.42	3.15	14.12	0.39	10.00	3.30	7.84	5.23	Nov-94
<i>MSCI ACWI ex USA</i>			<u>2.98</u>	<u>13.60</u>	<u>1.29</u>	<u>9.39</u>	<u>2.16</u>	<u>6.54</u>	<u>2.16</u>	<i>Nov-94</i>
Over/Under			0.17	0.52	-0.90	0.61	1.14	1.30	3.07	
Core Fixed Income	3,065,987,757	17.33	3.20	6.47	8.09	2.75	3.15		3.38	Jul-12
<i>Core Fixed Income Blend</i>			<u>3.08</u>	<u>6.11</u>	<u>7.87</u>	<u>2.31</u>	<u>2.95</u>		<u>2.76</u>	<i>Jul-12</i>
Over/Under			0.12	0.36	0.22	0.44	0.20		0.62	
Credit Opportunities	970,661,464	5.49	3.38	10.11	9.12	7.23	4.57		5.83	Jun-13
<i>Credit Opportunities Blend</i>			<u>3.06</u>	<u>10.43</u>	<u>9.22</u>	<u>6.82</u>	<u>4.94</u>		<u>6.04</u>	<i>Jun-13</i>
Over/Under			0.32	-0.32	-0.10	0.41	-0.37		-0.21	
Real Assets	1,765,575,907	9.98	1.87	5.93	5.75	4.99	6.39	4.47	6.33	Nov-94
<i>CPI + 5% (Unadjusted)</i>			<u>2.00</u>	<u>4.46</u>	<u>6.72</u>	<u>7.14</u>	<u>6.52</u>	<u>6.81</u>	<u>7.31</u>	<i>Nov-94</i>
Over/Under			-0.13	1.47	-0.97	-2.15	-0.13	-2.34	-0.98	
Public Real Assets	956,213,312	5.40	2.26	8.34	4.55	2.12	1.79		1.79	Jun-14
<i>Public Real Assets Blend</i>			<u>1.63</u>	<u>8.28</u>	<u>3.20</u>	<u>1.52</u>	<u>-0.47</u>		<u>-0.47</u>	<i>Jun-14</i>
Over/Under			0.63	0.06	1.35	0.60	2.26		2.26	
Private Real Estate	788,737,712	4.46	1.37	3.24	7.12	7.73	9.40	5.93	6.92	Oct-94
<i>Real Estate Blend</i>			<u>1.19</u>	<u>2.83</u>	<u>7.25</u>	<u>8.43</u>	<u>10.63</u>	<u>10.34</u>	<u>9.87</u>	<i>Oct-94</i>
Over/Under			0.18	0.41	-0.13	-0.70	-1.23	-4.41	-2.95	
Private Equity	1,952,025,876	11.03	4.93	3.79	13.50	14.02	10.94	13.50	10.54	Nov-95
<i>Private Equity Blend</i>			<u>4.86</u>	<u>20.43</u>	<u>12.23</u>	<u>17.41</u>	<u>13.47</u>	<u>18.41</u>	<u>13.03</u>	<i>Nov-95</i>
Over/Under			0.07	-16.64	1.27	-3.39	-2.53	-4.91	-2.49	
Cash	56,389,368	0.32								



Note - See appendix for blended benchmark definitions.

Los Angeles City Employees' Retirement System

TOTAL FUND PERFORMANCE DETAIL (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
LACERS Master Trust	17,693,115,347	100.00	3.46	11.45	5.96	9.32	6.11	9.70		Oct-94
Policy Index			3.48	13.07	6.98	9.80	6.29	9.87		Oct-94
Over/Under			-0.02	-1.62	-1.02	-0.48	-0.18	-0.17		
U.S. Equity	4,500,423,779	25.44	4.23	18.79	8.18	14.00	10.04	14.50		Oct-94
U.S. Equity Blend			4.10	18.71	8.98	14.02	10.19	14.67		Oct-94
Over/Under			0.13	0.08	-0.80	-0.02	-0.15	-0.17		
Non-U.S. Equity	5,382,051,196	30.42	3.06	13.91	0.02	9.60	2.94	7.47		Nov-94
MSCI ACWI ex USA			2.98	13.60	1.29	9.39	2.16	6.54		Nov-94
Over/Under			0.08	0.31	-1.27	0.21	0.78	0.93		
Core Fixed Income	3,065,987,757	17.33	3.17	6.41	7.98	2.64	3.04		3.26	Jul-12
Core Fixed Income Blend			3.08	6.11	7.87	2.31	2.95		2.76	Jul-12
Over/Under			0.09	0.30	0.11	0.33	0.09		0.50	
Credit Opportunities	970,661,464	5.49	3.31	9.94	8.80	6.87	4.22		5.49	Jun-13
Credit Opportunities Blend			3.06	10.43	9.22	6.82	4.94		6.04	Jun-13
Over/Under			0.25	-0.49	-0.42	0.05	-0.72		-0.55	
Real Assets	1,765,575,907	9.98	1.85	5.86	5.60	4.83	6.23	4.33		Nov-94
CPI + 5% (Unadjusted)			2.00	4.46	6.72	7.14	6.52	6.81		Nov-94
Over/Under			-0.15	1.40	-1.12	-2.31	-0.29	-2.48		
Public Real Assets	956,213,312	5.40	2.21	8.23	4.33	1.86	1.58		1.58	Jun-14
Public Real Assets Blend			1.63	8.28	3.20	1.52	-0.47		-0.47	Jun-14
Over/Under			0.58	-0.05	1.13	0.34	2.05		2.05	
Private Real Estate	788,737,712	4.46	1.37	3.22	7.05	7.67	9.30	5.83		Oct-94
Real Estate Blend			1.19	2.83	7.25	8.43	10.63	10.34		Oct-94
Over/Under			0.18	0.39	-0.20	-0.76	-1.33	-4.51		
Private Equity	1,952,025,876	11.03	4.94	3.80	13.51	14.03	10.96	13.51		Nov-95
Private Equity Blend			4.86	20.43	12.23	17.41	13.47	18.41		Nov-95
Over/Under			0.08	-16.63	1.28	-3.38	-2.51	-4.90		
Cash	56,389,368	0.32								



Note - See appendix for blended benchmark definitions.

Los Angeles City Employees' Retirement System

TOTAL FUND RISK STATISTICS (NET)

3 Years Ending June 30, 2019													
	% of Total MV (%)	Annualized Return (%)	Rank	Annualized Standard Deviation	Rank	Annualized Alpha Jensen (%)	Rank	Information Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
LACERS Master Trust	100.00%	9.32%	32	6.65%	81	0.63%	54	-0.39	--	1.34	54	1.23%	25
U.S. Equity	25.44%	14.00%	33	12.74%	38	-0.22%	30	-0.03	--	1.01	29	0.64%	7
Non-U.S. Equity	30.42%	9.60%	40	11.64%	75	0.08%	34	0.20	28	0.98	31	1.07%	5
Developed ex-U.S.	22.93%	9.24%	--	11.43%	--	-0.05%	--	0.09	--	0.90	--	1.46%	--
Emerging Markets	7.49%	10.63%	15	13.86%	82	0.01%	22	-0.02	--	1.05	22	1.24%	8
Core Fixed Income	17.33%	2.64%	65	2.87%	79	0.39%	70	0.85	36	0.61	73	0.39%	5
Credit Opportunities	5.49%	6.87%	--	4.37%	--	0.14%	--	0.06	--	2.55	--	0.82%	--
Real Assets	9.98%	4.83%	--	2.04%	--	0.24%	--	-1.14	--	2.87	--	2.02%	--
Public Real Assets	5.40%	1.86%	--	4.02%	--	0.37%	--	0.21	--	0.22	--	1.61%	--
Private Real Estate	4.46%	7.67%	47	1.48%	41	8.26%	5	-0.18	--	22.03	30	4.18%	91
Private Equity	11.03%	14.03%	55	4.47%	28	14.17%	17	-0.23	--	10.47	60	14.39%	95

5 Years Ending June 30, 2019													
	% of Total MV (%)	Annualized Return (%)	Rank	Annualized Standard Deviation	Rank	Annualized Alpha Jensen (%)	Rank	Information Ratio	Rank	Sortino Ratio RF	Rank	Tracking Error	Rank
LACERS Master Trust	100.00%	6.11%	48	6.94%	85	0.50%	53	-0.15	--	1.09	46	1.19%	25
U.S. Equity	25.44%	10.04%	26	12.47%	32	-0.25%	21	-0.25	--	0.94	23	0.62%	4
Non-U.S. Equity	30.42%	2.94%	49	12.40%	67	0.80%	42	0.61	16	0.27	46	1.27%	2
Developed ex-U.S.	22.93%	2.97%	--	12.12%	--	0.75%	--	0.47	--	0.27	--	1.55%	--
Emerging Markets	7.49%	1.63%	47	15.94%	87	-0.86%	54	-0.60	--	0.08	54	1.43%	8
Core Fixed Income	17.33%	3.04%	51	2.80%	63	0.22%	64	0.19	38	1.27	48	0.51%	14
Real Assets	9.98%	6.23%	--	2.29%	--	3.75%	--	-0.12	--	5.56	--	2.38%	--
Private Real Estate	4.46%	9.30%	47	1.77%	25	10.49%	5	-0.25	--	29.63	16	5.30%	89
Private Equity	11.03%	10.96%	72	4.17%	15	10.73%	34	-0.18	--	9.09	53	13.60%	89

Sortino Ratio RF = Sortino Ratio Risk Free. The risk free rate is the Citi 91 Day T-Bill Index.



PRIVATE MARKETS PERFORMANCE AS OF MARCH 31, 2019

Private Equity	10 Year IRR	Since Inception IRR	Since Inception Multiple
Aggregate Portfolio	13.8%	11.2%	1.56x
Core Portfolio	14.6%	11.8%	1.59x
Specialized Portfolio	4.6%	2.0%	1.12x
Russell 3000 + 300 bps	19.0%	11.4%	N/A

Real Estate*	10 Year Return (Net)	Since Inception Return (Net)
Total Portfolio (TWR) ¹	5.50%	5.98%
NFI-ODCE + 80 basis points (TWR)	8.53%	7.14%

Note: The Total Value to Paid-In Ratio (TVPI) is a multiple that relates the current value of the private equity portfolio plus all distributions received to date with the total amount of capital contributed.

1 - IRR is not available for the Real Estate portfolio and therefore only time weighted returns (TWR) are reported.

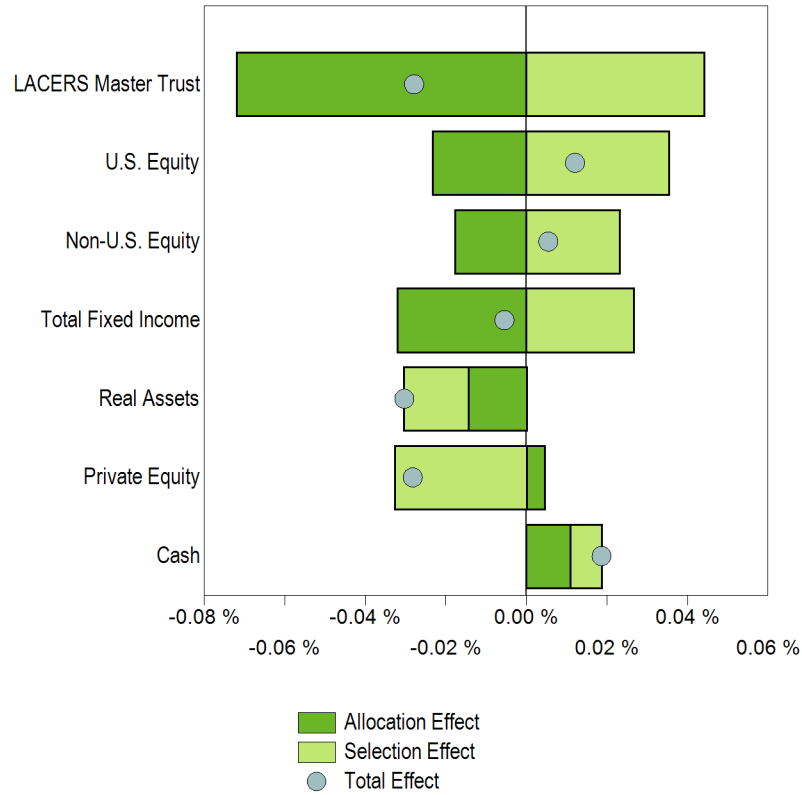
*Data is considered preliminary.



Los Angeles City Employees' Retirement System

TOTAL FUND ATTRIBUTION ANALYSIS (NET)

Attribution Effects 3 Months Ending June 30, 2019



Attribution Summary 3 Months Ending June 30, 2019							
	Policy Weight	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
U.S. Equity	24.00%	4.23%	4.10%	0.14%	0.04%	-0.02%	0.01%
Non-U.S. Equity	29.00%	3.06%	2.98%	0.07%	0.02%	-0.02%	0.01%
Total Fixed Income	24.00%	3.21%	3.08%	0.12%	0.03%	-0.03%	-0.01%
Real Assets	10.00%	1.85%	2.00%	-0.15%	-0.02%	-0.01%	-0.03%
Private Equity	12.00%	4.94%	4.86%	0.08%	-0.03%	0.00%	-0.03%
Cash	1.00%	2.23%	0.57%	1.66%	0.01%	0.01%	0.02%
Total	100.00%	3.45%	3.48%	-0.03%	0.04%	-0.07%	-0.03%

Wtd. = Weighted

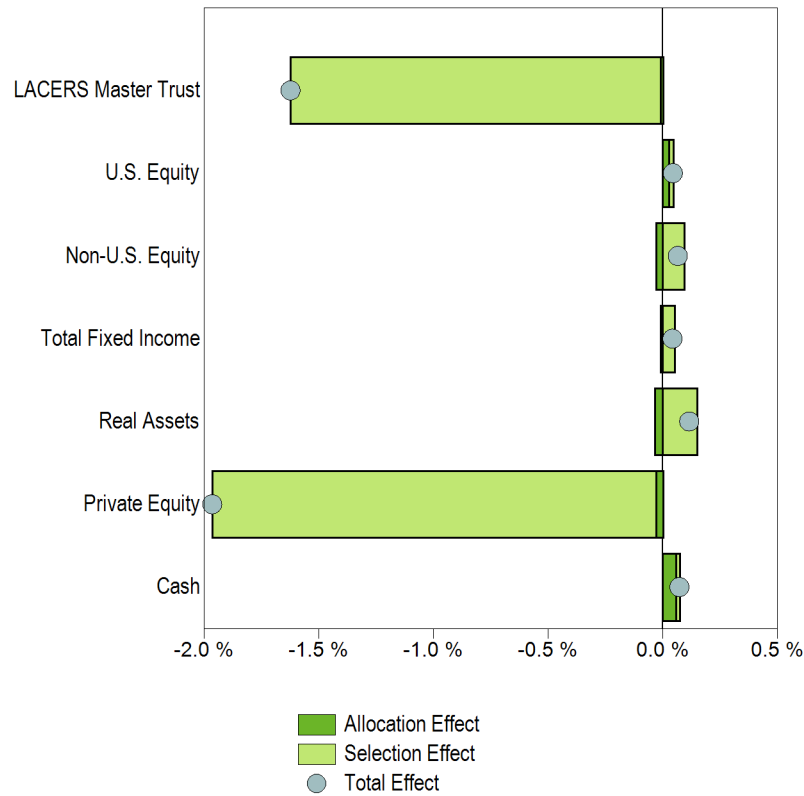
Note: Policy Target Asset Allocation does not reflect the new target asset allocation adopted on April 10, 2018. Implementation of the new asset allocation is currently in progress.



Los Angeles City Employees' Retirement System

TOTAL FUND ATTRIBUTION ANALYSIS (NET)

Attribution Effects YTD Ending June 30, 2019



Attribution Summary YTD Ending June 30, 2019							
	Policy Wtd. Weight	Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
U.S. Equity	24.00%	18.79%	18.71%	0.07%	0.02%	0.03%	0.04%
Non-U.S. Equity	29.00%	13.91%	13.60%	0.31%	0.09%	-0.03%	0.07%
Total Fixed Income	24.00%	7.24%	7.02%	0.22%	0.05%	-0.01%	0.04%
Real Assets	10.00%	5.86%	4.46%	1.40%	0.15%	-0.03%	0.12%
Private Equity	12.00%	3.80%	20.43%	-16.63%	-1.94%	-0.03%	-1.97%
Cash	1.00%	4.14%	1.17%	2.97%	0.01%	0.06%	0.07%
Total	100.00%	11.45%	13.07%	-1.62%	-1.61%	-0.01%	-1.62%

Wtd. = Weighted

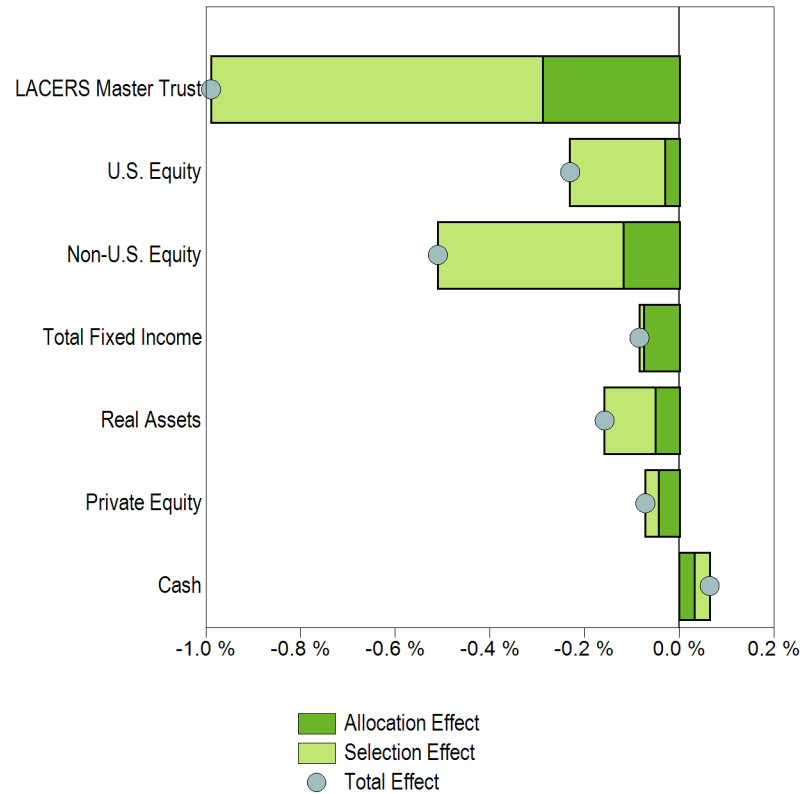
Note: Policy Target Asset Allocation does not reflect the new target asset allocation adopted on April 10, 2018. Implementation of the new asset allocation is currently in progress.



Los Angeles City Employees' Retirement System

TOTAL FUND ATTRIBUTION ANALYSIS (NET)

Attribution Effects 1 Year Ending June 30, 2019



Attribution Summary 1 Year Ending June 30, 2019							
	Policy Weight	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
U.S. Equity	24.00%	8.18%	8.98%	-0.80%	-0.20%	-0.03%	-0.23%
Non-U.S. Equity	29.00%	0.02%	1.29%	-1.27%	-0.39%	-0.12%	-0.51%
Total Fixed Income	24.00%	8.17%	8.18%	-0.01%	-0.01%	-0.08%	-0.08%
Real Assets	10.00%	5.60%	6.72%	-1.12%	-0.11%	-0.05%	-0.16%
Private Equity	12.00%	13.51%	12.23%	1.27%	-0.03%	-0.04%	-0.07%
Cash	1.00%	8.36%	2.27%	6.09%	0.03%	0.03%	0.06%
Total	100.00%	5.99%	6.98%	-0.99%	-0.70%	-0.29%	-0.99%

Wtd. = Weighted

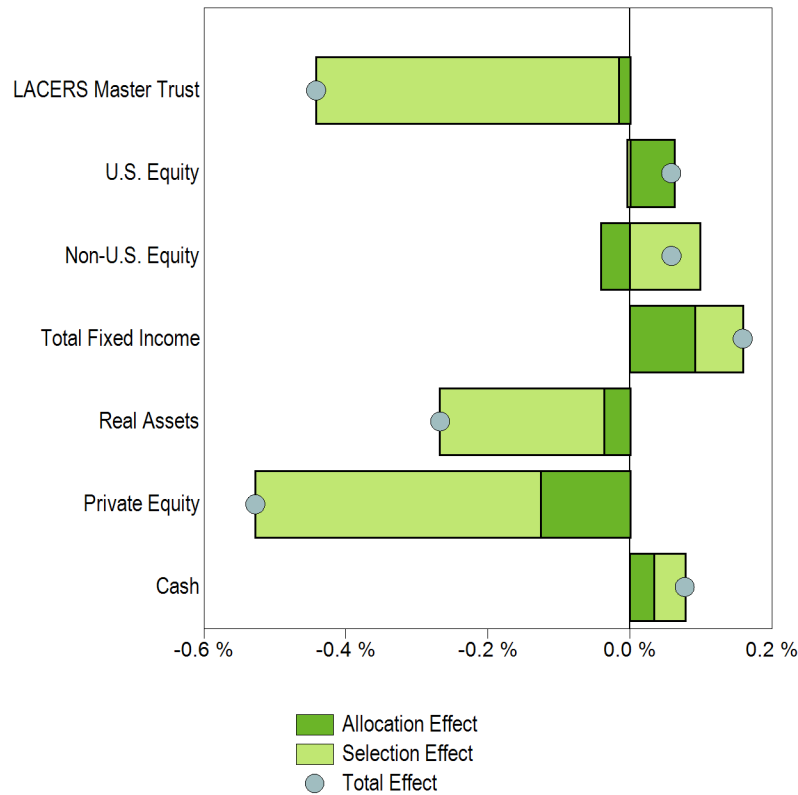
Note: Policy Target Asset Allocation does not reflect the new target asset allocation adopted on April 10, 2018. Implementation of the new asset allocation is currently in progress.



Los Angeles City Employees' Retirement System

TOTAL FUND ATTRIBUTION ANALYSIS (NET)

Attribution Effects
3 Years Ending June 30, 2019



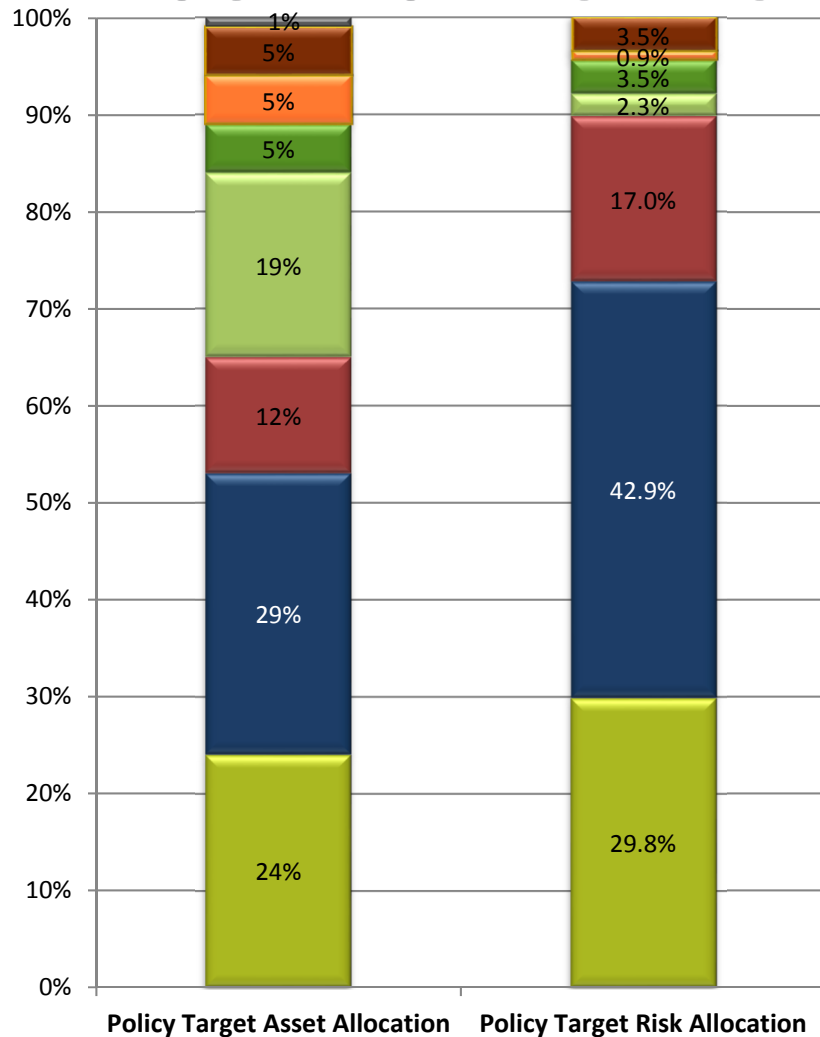
Attribution Summary							
3 Years Ending June 30, 2019							
	Policy Weight	Wtd. Actual Return	Wtd. Index Return	Excess Return	Selection Effect	Allocation Effect	Total Effects
U.S. Equity	24.00%	14.00%	14.02%	-0.02%	0.00%	0.06%	0.06%
Non-U.S. Equity	29.00%	9.60%	9.39%	0.21%	0.10%	-0.04%	0.06%
Total Fixed Income	24.00%	3.54%	3.25%	0.29%	0.07%	0.09%	0.16%
Real Assets	10.00%	4.83%	7.14%	-2.31%	-0.23%	-0.04%	-0.27%
Private Equity	12.00%	14.03%	17.41%	-3.38%	-0.40%	-0.13%	-0.53%
Cash	1.00%	7.29%	1.40%	5.89%	0.04%	0.03%	0.08%
Total	100.00%	9.35%	9.80%	-0.44%	-0.43%	-0.02%	-0.44%

Wtd. = Weighted

Note: Policy Target Asset Allocation does not reflect the new target asset allocation adopted on April 10, 2018. Implementation of the new asset allocation is currently in progress.



TOTAL FUND RISK ALLOCATION – ASSET ALLOCATION VS. RISK ALLOCATION



- Cash
- Private Real Estate
- Public Real Assets
- Credit Opportunities
- Core Fixed Income
- Private Equity
- Non-U.S. Equity
- U.S. Equity

- Public and Private Equity policy target asset allocation is 65%; accounts for 89.7% of the policy target portfolio risk.
- Core Fixed Income and Credit Opportunities policy allocation is 24%, accounting for 5.8% of the policy target portfolio risk.
- Real Assets (Private Real Estate and Public Real Assets) policy allocation is 10%, accounting for 4.4% of policy target portfolio risk.

Note: Policy Target Asset Allocation does not reflect the new target asset allocation adopted on April 10, 2018. Implementation of the new asset allocation is currently in progress.



PUBLIC MARKETS RISK BUDGET COMPARISON AS OF JUNE 30, 2019

Public Markets Asset Class	Target Risk Budget	Actual 3 Yr Tracking Error
U.S. Equity	0.50%	0.64%
Non-U.S. Equity	1.20%	1.07%
Core Fixed Income	1.00%	0.39%
Credit Opportunities	1.50%	0.82%
Public Real Assets*	3.00%	1.61%

- Current LACERS public market asset class composite tracking error statistics are compared to asset class target risk budgets to ensure active risks are within expectations.
- Risk budgets are to be evaluated over three-year periods, at minimum, to reflect a full market cycle.
- All equity public markets asset classes are within an appropriately narrow range of their respective risk budgets.
- Both Core Fixed Income and Credit Opportunities have exhibited lower than expected active risk.
- The LACERS Public Real Assets composite is not at its target strategy allocation.
- Note: A new Target Risk Budget was approved by the Board on August 14, 2018, and is not reflected in the table above. Implementation of the new asset allocation is in progress.

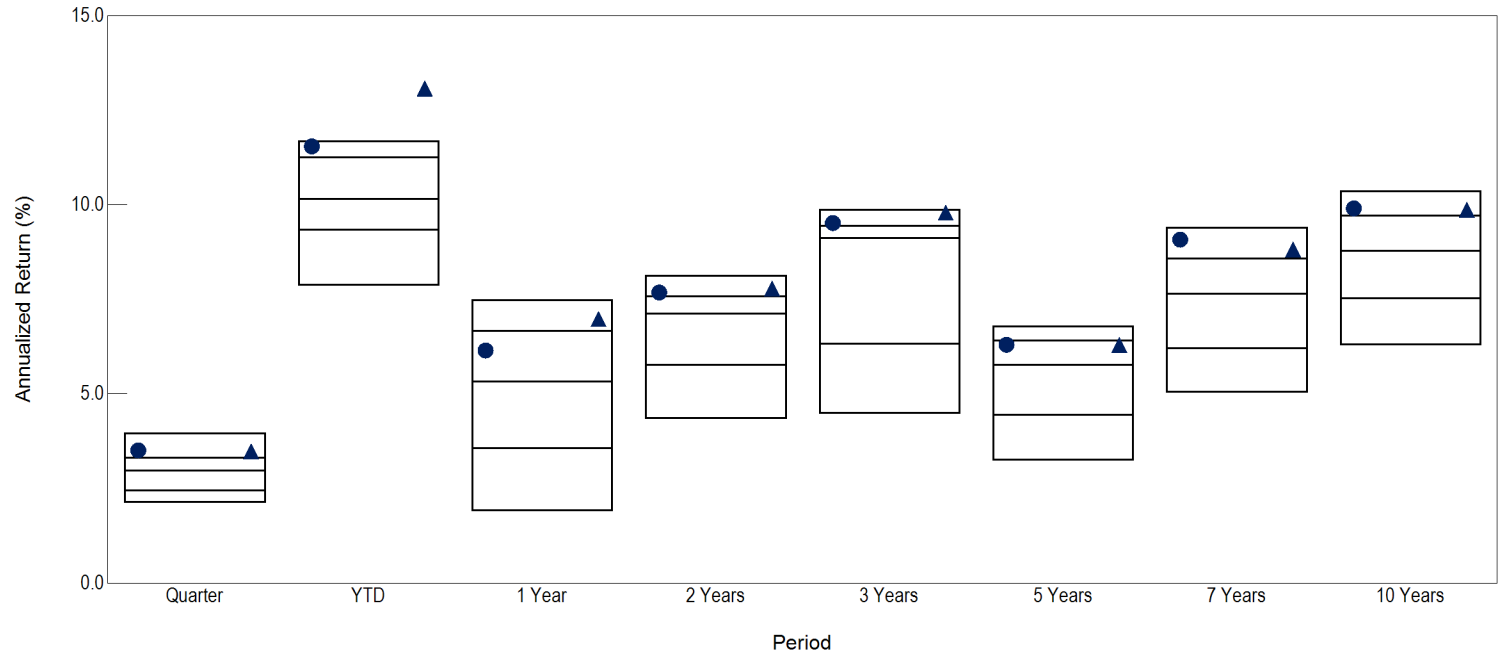
* The benchmark for the Public Real Assets composite is a custom policy benchmark that is comprised of the target weights of the public real asset components. The public real asset benchmark weights are 60% TIPS, 20% Commodities, 10% REITs, and 10% MLPs.



Los Angeles City Employees' Retirement System

TOTAL FUND RETURN SUMMARY VS. PEER UNIVERSE

LACERS Master Trust vs. InvMetrics Public DB \$5-50B Gross



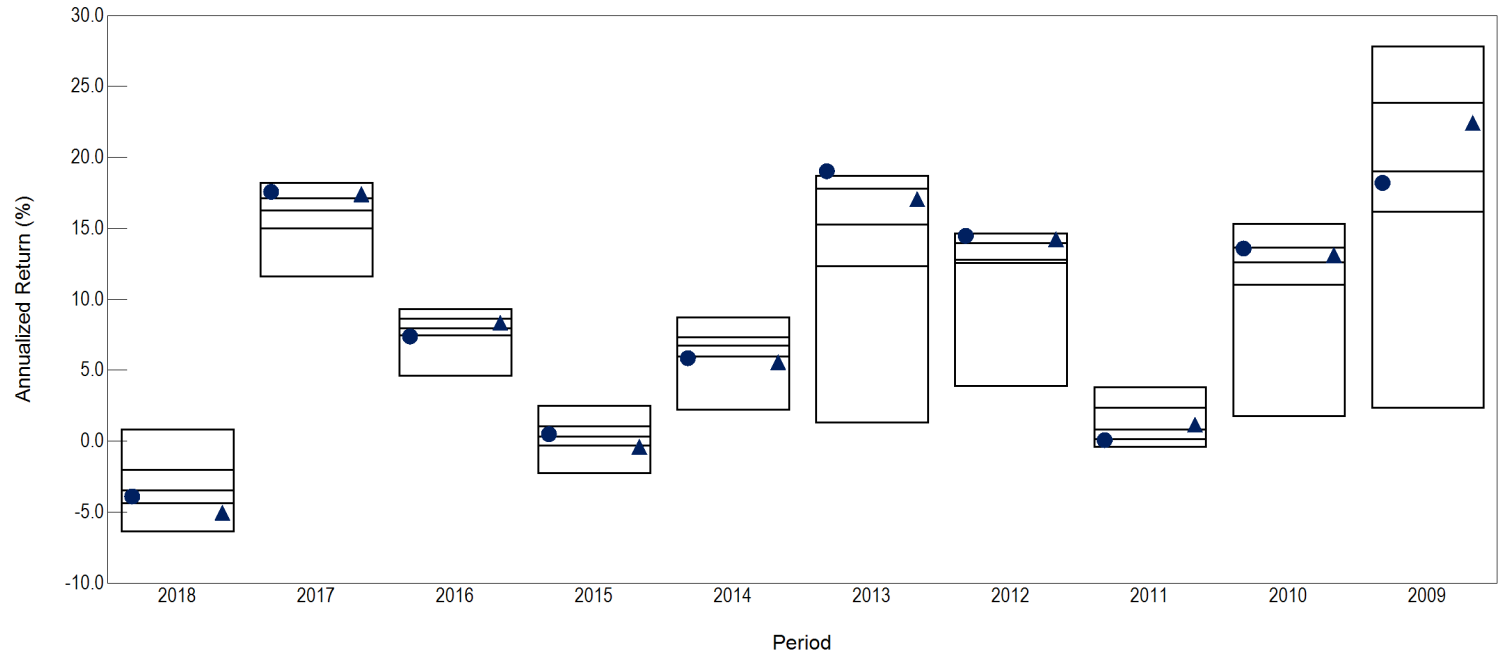
	Return (Rank)															
5th Percentile	3.96	11.68	7.48	8.12	9.87	6.79	9.40	10.35								
25th Percentile	3.34	11.28	6.68	7.59	9.46	6.43	8.59	9.73								
Median	2.99	10.16	5.35	7.15	9.14	5.78	7.66	8.79								
75th Percentile	2.47	9.36	3.59	5.79	6.34	4.47	6.22	7.54								
95th Percentile	2.17	7.90	1.94	4.38	4.52	3.27	5.07	6.33								
# of Portfolios	16	16	16	16	16	16	15	15								
● LACERS Master Trust	3.51	(20)	11.54	(7)	6.15	(34)	7.68	(14)	9.52	(21)	6.30	(34)	9.08	(15)	9.90	(15)
▲ Policy Index	3.48	(21)	13.07	(1)	6.98	(15)	7.78	(12)	9.80	(9)	6.29	(35)	8.82	(20)	9.87	(17)



Los Angeles City Employees' Retirement System

TOTAL FUND RETURN SUMMARY VS. PEER UNIVERSE

LACERS Master Trust vs. InvMetrics Public DB \$5-50B Gross

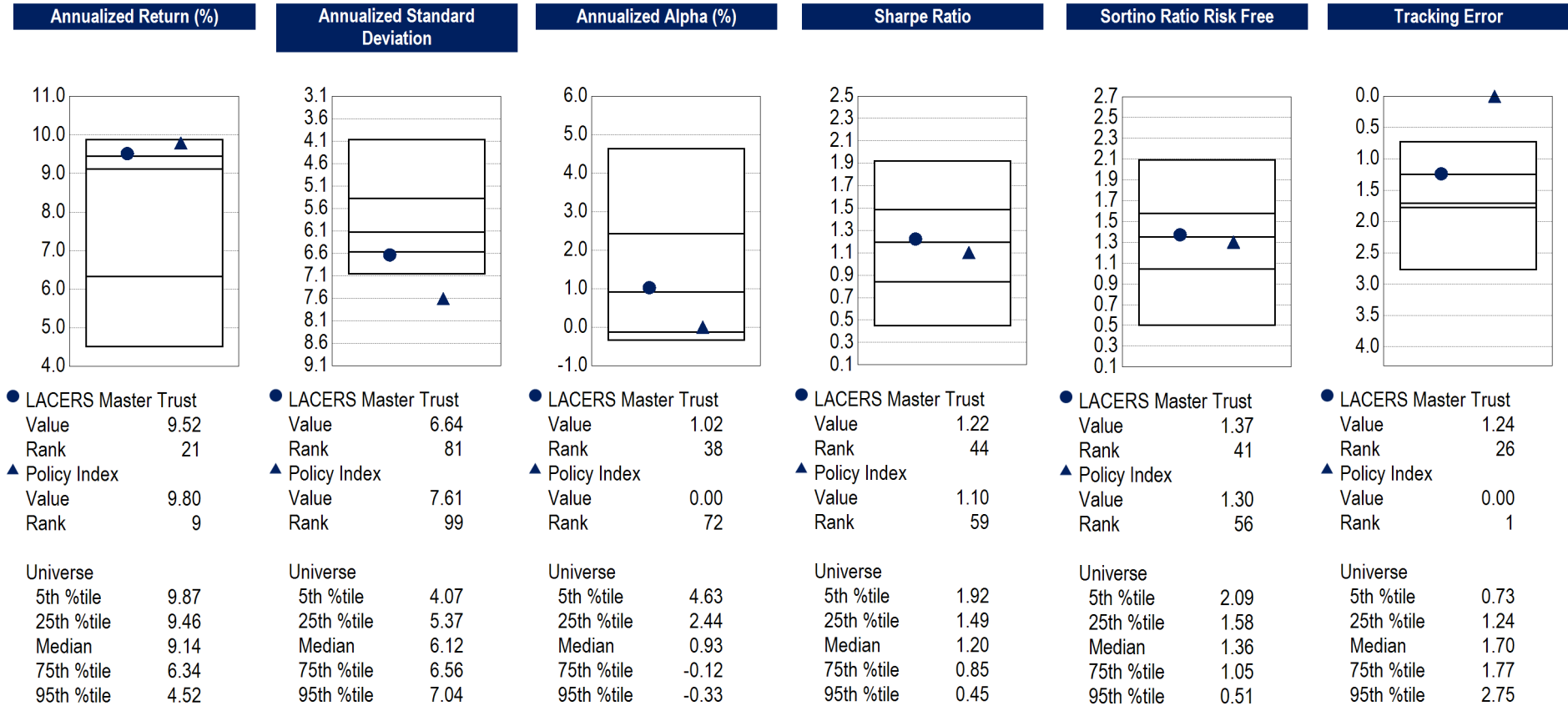


	Return (Rank)																			
5th Percentile	0.81	18.21	9.30	2.50	8.72	18.69	14.65	3.83	15.32	27.83										
25th Percentile	-1.99	17.15	8.68	1.12	7.38	17.86	14.01	2.41	13.67	23.91										
Median	-3.40	16.29	7.99	0.35	6.79	15.31	12.83	0.86	12.66	19.07										
75th Percentile	-4.32	15.05	7.51	-0.24	6.04	12.36	12.58	0.21	11.06	16.24										
95th Percentile	-6.33	11.68	4.65	-2.20	2.25	1.36	3.92	-0.37	1.83	2.42										
# of Portfolios	25	46	30	24	24	23	16	16	15	15										
● LACERS Master Trust	-3.89	(67)	17.57	(12)	7.38	(78)	0.49	(41)	5.85	(81)	19.03	(4)	14.47	(7)	0.08	(89)	13.58	(29)	18.21	(67)
▲ Policy Index	-5.04	(84)	17.41	(14)	8.35	(41)	-0.39	(77)	5.58	(87)	17.06	(31)	14.23	(21)	1.17	(44)	13.11	(34)	22.44	(38)



TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE

LACERS Master Trust vs. InvestorForce Public DB \$5-50B Gross 3 Years



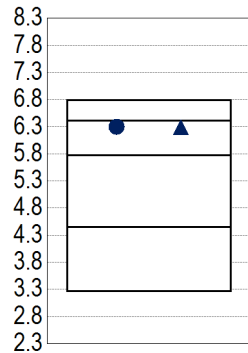
Sortino Ratio RF = Sortino Ratio Risk Free. The risk free rate is the Citi 91 Day T-Bill Index.



TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE

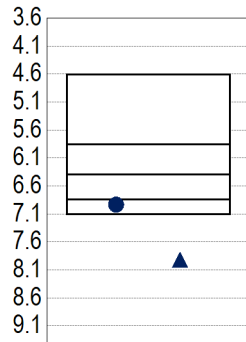
LACERS Master Trust vs. InvestorForce Public DB \$5-50B Gross 5 Years

Annualized Return (%)	Annualized Standard Deviation	Annualized Alpha (%)	Sharpe Ratio	Sortino Ratio Risk Free	Tracking Error
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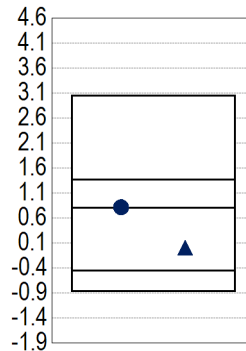
● LACERS Master Trust	Value	6.30
	Rank	34
▲ Policy Index	Value	6.29
	Rank	35

Universe	
5th %tile	6.79
25th %tile	6.43
Median	5.78
75th %tile	4.47
95th %tile	3.27



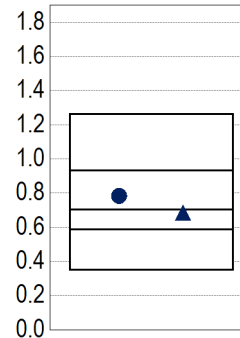
● LACERS Master Trust	Value	6.93
	Rank	85
▲ Policy Index	Value	7.92
	Rank	99

Universe	
5th %tile	4.61
25th %tile	5.84
Median	6.38
75th %tile	6.83
95th %tile	7.10



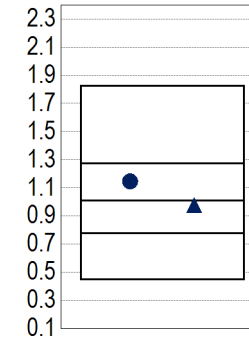
● LACERS Master Trust	Value	0.81
	Rank	51
▲ Policy Index	Value	0.00
	Rank	61

Universe	
5th %tile	3.05
25th %tile	1.38
Median	0.81
75th %tile	-0.44
95th %tile	-0.86



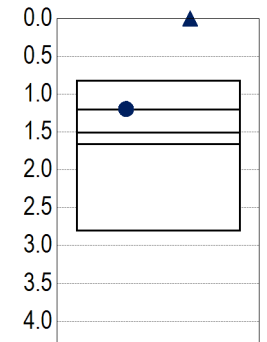
● LACERS Master Trust	Value	0.78
	Rank	42
▲ Policy Index	Value	0.68
	Rank	52

Universe	
5th %tile	1.26
25th %tile	0.93
Median	0.71
75th %tile	0.59
95th %tile	0.35



● LACERS Master Trust	Value	1.15
	Rank	41
▲ Policy Index	Value	0.98
	Rank	52

Universe	
5th %tile	1.82
25th %tile	1.28
Median	1.01
75th %tile	0.78
95th %tile	0.46



● LACERS Master Trust	Value	1.20
	Rank	26
▲ Policy Index	Value	0.00
	Rank	1

Universe	
5th %tile	0.82
25th %tile	1.20
Median	1.50
75th %tile	1.66
95th %tile	2.79

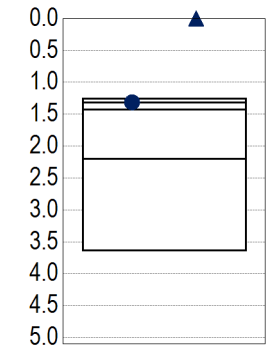
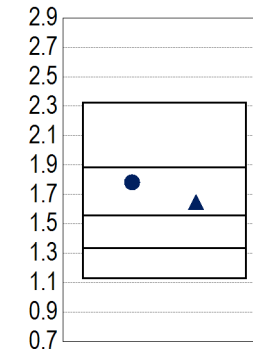
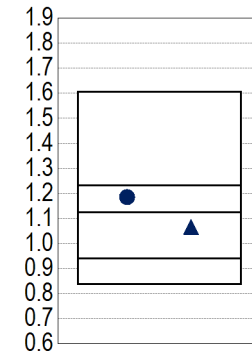
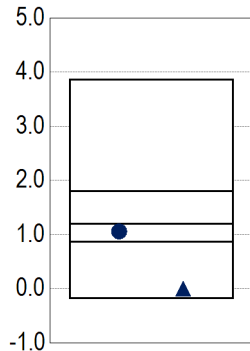
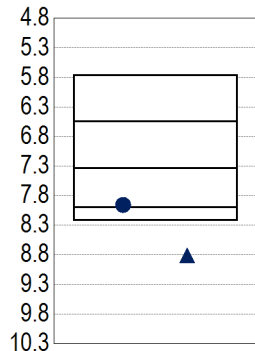
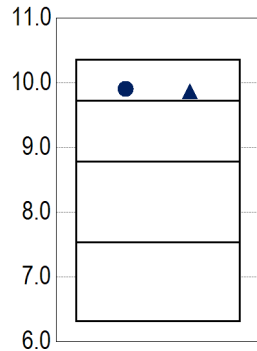
Sortino Ratio RF = Sortino Ratio Risk Free. The risk free rate is the Citi 91 Day T-Bill Index.



TOTAL FUND RISK STATISTICS VS. PEER UNIVERSE

LACERS Master Trust vs. InvestorForce Public DB \$5-50B Gross 10 Years

Annualized Return (%)	Annualized Standard Deviation	Annualized Alpha (%)	Sharpe Ratio	Sortino Ratio Risk Free	Tracking Error
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● LACERS Master Trust	Value	9.90
	Rank	15
▲ Policy Index	Value	9.87
	Rank	17

● LACERS Master Trust	Value	7.96
	Rank	74
▲ Policy Index	Value	8.81
	Rank	99

● LACERS Master Trust	Value	1.06
	Rank	58
▲ Policy Index	Value	0.00
	Rank	93

● LACERS Master Trust	Value	1.19
	Rank	35
▲ Policy Index	Value	1.07
	Rank	57

● LACERS Master Trust	Value	1.78
	Rank	36
▲ Policy Index	Value	1.65
	Rank	46

● LACERS Master Trust	Value	1.31
	Rank	29
▲ Policy Index	Value	0.00
	Rank	1

Universe	5th %tile	10.35
	25th %tile	9.73
	Median	8.79
	75th %tile	7.54
	95th %tile	6.33

Universe	5th %tile	5.76
	25th %tile	6.53
	Median	7.32
	75th %tile	7.98
	95th %tile	8.20

Universe	5th %tile	3.87
	25th %tile	1.81
	Median	1.21
	75th %tile	0.88
	95th %tile	-0.17

Universe	5th %tile	1.61
	25th %tile	1.24
	Median	1.13
	75th %tile	0.94
	95th %tile	0.84

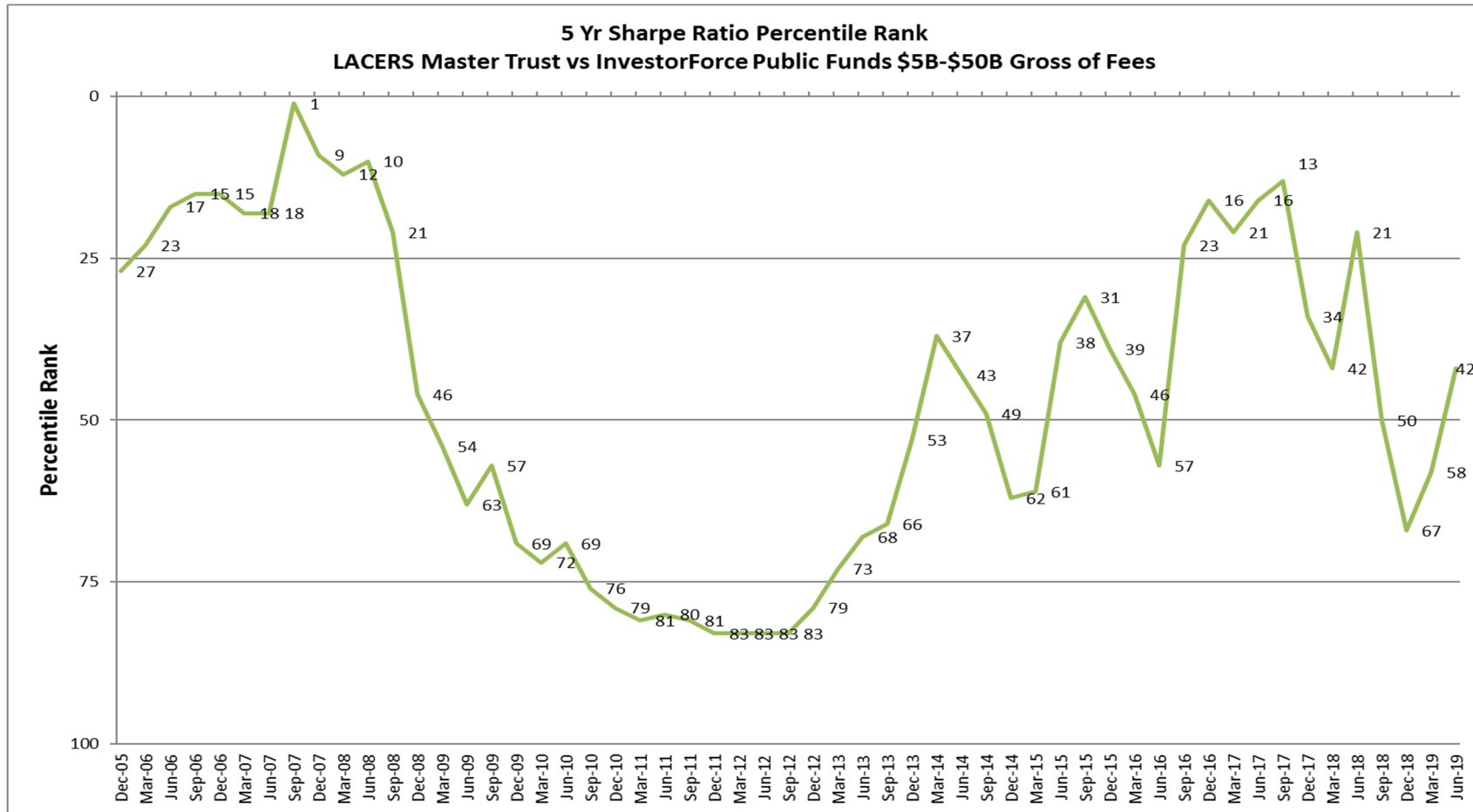
Universe	5th %tile	2.33
	25th %tile	1.89
	Median	1.56
	75th %tile	1.34
	95th %tile	1.14

Universe	5th %tile	1.25
	25th %tile	1.30
	Median	1.42
	75th %tile	2.19
	95th %tile	3.62

Sortino Ratio RF = Sortino Ratio Risk Free. The risk free rate is the Citi 91 Day T-Bill Index.



HISTORICAL RISK ADJUSTED RETURN UNIVERSE COMPARISON



- Total Plan ranks in the 42nd percentile versus other large public plans on a Sharpe Ratio basis.
 - Use of passive investment strategies within U.S. Equity has contributed positively to the overall Sharpe Ratio rank (top quartile rank).
 - Core Fixed Income contributed negatively to Sharpe Ratio rank.



U.S. EQUITY

NEPC, LLC

Los Angeles City Employees' Retirement System

U.S. EQUITY (GROSS)

	Market Value (\$)	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
U.S. Equity	4,500,423,779	4.25	18.82	8.25	14.07	10.14	14.67	10.49	Oct-94
U.S. Equity Blend		<u>4.10</u>	<u>18.71</u>	<u>8.98</u>	<u>14.02</u>	<u>10.19</u>	<u>14.67</u>	<u>9.42</u>	Oct-94
Over/Under		0.15	0.11	-0.73	0.05	-0.05	0.00	1.07	
Aronson, Johnson & Ortiz	183,230,837	3.74	14.51	2.20	10.60	6.07	12.82	8.39	Oct-01
Russell 1000 Value		<u>3.84</u>	<u>16.24</u>	<u>8.46</u>	<u>10.19</u>	<u>7.46</u>	<u>13.19</u>	<u>7.91</u>	Oct-01
Over/Under		-0.10	-1.73	-6.26	0.41	-1.39	-0.37	0.48	
Rhumblin Advisors Russell 2000	264,199,426	2.11	16.96	-3.21	12.29			6.79	Apr-15
Russell 2000		<u>2.10</u>	<u>16.98</u>	<u>-3.31</u>	<u>12.30</u>			<u>6.88</u>	Apr-15
Over/Under		0.01	-0.02	0.10	-0.01			-0.09	
Rhumblin Advisors Russell 2000 Growth ¹	140,663,714	2.77	20.33	-0.42	14.65			8.77	Jan-15
Russell 2000 Growth		<u>2.75</u>	<u>20.36</u>	<u>-0.49</u>	<u>14.69</u>			<u>8.84</u>	Jan-15
Over/Under		0.02	-0.03	0.07	-0.04			-0.07	
Rhumblin Advisors Russell 2000 Value ¹	103,355,611	1.37	13.44	-6.13	9.81			12.81	Mar-16
Russell 2000 Value		<u>1.37</u>	<u>13.47</u>	<u>-6.24</u>	<u>9.81</u>			<u>12.83</u>	Mar-16
Over/Under		0.00	-0.03	0.11	0.00			-0.02	
EAM Investors	136,451,874	6.72	26.99	8.66	21.30			14.69	Sep-15
Russell 2000 Growth		<u>2.75</u>	<u>20.36</u>	<u>-0.49</u>	<u>14.69</u>			<u>12.37</u>	Sep-15
Over/Under		3.97	6.63	9.15	6.61			2.32	
PanAgora	112,817,570	0.31	11.73	-9.32	6.61	5.15	14.49	6.44	Feb-06
Russell 2000 Value		<u>1.37</u>	<u>13.47</u>	<u>-6.24</u>	<u>9.81</u>	<u>5.39</u>	<u>12.40</u>	<u>6.21</u>	Feb-06
Over/Under		-1.06	-1.74	-3.08	-3.20	-0.24	2.09	0.23	
Principal Global Investors	182,751,843	9.73	31.52	20.16	18.52			14.62	Aug-14
Russell MidCap		<u>4.13</u>	<u>21.35</u>	<u>7.82</u>	<u>12.16</u>			<u>9.45</u>	Aug-14
Over/Under		5.60	10.17	12.34	6.36			5.17	
Rhumblin Advisors S&P 500	3,209,918,511	4.32	18.49	10.41	14.14	10.68	14.73	9.77	Feb-93
S&P 500		<u>4.30</u>	<u>18.54</u>	<u>10.42</u>	<u>14.19</u>	<u>10.71</u>	<u>14.70</u>	<u>9.61</u>	Feb-93
Over/Under		0.02	-0.05	-0.01	-0.05	-0.03	0.03	0.16	
Rhumblin Advisors Russell 1000 Growth ¹	167,029,922	4.53	21.32	11.45	18.01	13.32		15.47	Jun-13
Russell 1000 Growth		<u>4.64</u>	<u>21.49</u>	<u>11.56</u>	<u>18.07</u>	<u>13.39</u>		<u>15.54</u>	Jun-13
Over/Under		-0.11	-0.17	-0.11	-0.06	-0.07		-0.07	
Escrow Account	4,472								

1- Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

- U.S. Equity Blend = Russell 3000 from 1/1/2000 to present; 33.75% S&P 500/ 35% Russell 1000 Value/ 12.50% Russell 1000 Growth/ 12.50% Russell 2000 Value/ 6.25% Russell 2000 Growth prior to

eA = eVestment Alliance



Los Angeles City Employees' Retirement System

U.S. EQUITY (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
U.S. Equity	4,500,423,779	100.00	4.23	30	18.79	46	8.18	22	14.00	33	10.04	26	14.50	28		Oct-94
U.S. Equity Blend			<u>4.10</u>	39	<u>18.71</u>	51	<u>8.98</u>	18	<u>14.02</u>	33	<u>10.19</u>	21	<u>14.67</u>	22		Oct-94
Over/Under			0.13		0.08		-0.80		-0.02		-0.15		-0.17			
InvMetrics Public DB > \$1 Billion US Equity Net Median			3.92		18.74		6.52		13.61		9.32		14.19			Oct-94
Aronson, Johnson & Ortiz	183,230,837	4.07	3.66	51	14.35	65	1.91	82	10.28	58	5.75	79	12.50	59	8.10	Oct-01
Russell 1000 Value			<u>3.84</u>	45	<u>16.24</u>	37	<u>8.46</u>	30	<u>10.19</u>	60	<u>7.46</u>	42	<u>13.19</u>	33	<u>7.91</u>	Oct-01
Over/Under			-0.18		-1.89		-6.55		0.09		-1.71		-0.69		0.19	
eV US Large Cap Value Equity Net Median			3.71		15.29		5.91		10.53		7.16		12.71		8.27	Oct-01
Rhumblin Advisors Russell 2000 ¹	264,199,426	5.87	2.11	62	16.96	50	-3.21	53	12.29	42					6.78	Apr-15
Russell 2000			<u>2.10</u>	63	<u>16.98</u>	50	<u>-3.31</u>	54	<u>12.30</u>	41					<u>6.88</u>	Apr-15
Over/Under			0.01		-0.02		0.10		-0.01						-0.10	
eV US Small Cap Equity Net Median			2.90		16.81		-2.72		11.25						6.92	Apr-15
Rhumblin Advisors Russell 2000 ¹ Growth	140,663,714	3.13	2.77	77	20.32	65	-0.43	73	14.65	70					8.77	Jan-15
Russell 2000 Growth			<u>2.75</u>	77	<u>20.36</u>	65	<u>-0.49</u>	74	<u>14.69</u>	70					<u>8.84</u>	Jan-15
Over/Under			0.02		-0.04		0.06		-0.04						-0.07	
eV US Small Cap Growth Equity Net Median			4.99		23.44		5.12		17.68						11.03	Jan-15
Rhumblin Advisors Russell 2000 ¹ Value	103,355,611	2.30	1.37	66	13.44	67	-6.13	57	9.80	36					12.81	Mar-16
Russell 2000 Value			<u>1.37</u>	66	<u>13.47</u>	67	<u>-6.24</u>	57	<u>9.81</u>	36					<u>12.83</u>	Mar-16
Over/Under			0.00		-0.03		0.11		-0.01						-0.02	
eV US Small Cap Value Equity Net Median			2.03		14.84		-5.43		8.85						11.29	Mar-16

1- Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

- U.S. Equity Blend = Russell 3000 from 1/1/2000 to present; 33.75% S&P 500/ 35% Russell 1000 Value/ 12.50% Russell 1000 Growth/ 12.50% Russell 2000 Value/ 6.25% Russell 2000 Growth prior to

eA = eVestment Alliance

Los Angeles City Employees' Retirement System

U.S. EQUITY (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
EAM Investors	136,451,874	3.03	6.52	12	26.57	12	7.88	14	20.41	12					13.88	Sep-15
<i>Russell 2000 Growth</i>			<u>2.75</u>	53	<u>20.36</u>	27	<u>-0.49</u>	39	<u>14.69</u>	28					<u>12.37</u>	Sep-15
Over/Under			3.77		6.21		8.37		5.72						1.51	
<i>eV US Small Cap Equity Net Median</i>			2.90		16.81		-2.72		11.25						10.77	Sep-15
PanAgora	112,817,570	2.51	0.14	84	11.38	89	-9.94	84	5.91	89	4.42	66	13.72	27	5.71	Feb-06
<i>Russell 2000 Value</i>			<u>1.37</u>	66	<u>13.47</u>	67	<u>-6.24</u>	57	<u>9.81</u>	36	<u>5.39</u>	40	<u>12.40</u>	60	<u>6.21</u>	Feb-06
Over/Under			-1.23		-2.09		-3.70		-3.90		-0.97		1.32		-0.50	
<i>eV US Small Cap Value Equity Net Median</i>			2.03		14.84		-5.43		8.85		5.05		12.79		7.10	Feb-06
Principal Global Investors ¹	182,751,843	4.06	9.63	4	31.29	7	19.72	4	18.08	14					14.20	Aug-14
<i>Russell MidCap</i>			<u>4.13</u>	53	<u>21.35</u>	43	<u>7.82</u>	46	<u>12.16</u>	48					<u>9.45</u>	Aug-14
Over/Under			5.50		9.94		11.90		5.92						4.75	
<i>eV US Mid Cap Equity Net Median</i>			4.32		20.09		6.80		11.95						8.98	Aug-14
Rhumblin Advisors S&P 500	3,209,918,511	71.32	4.32	45	18.48	43	10.40	38	14.14	36	10.68	29	14.73	27	9.77*	Feb-93
<i>S&P 500</i>			<u>4.30</u>	46	<u>18.54</u>	43	<u>10.42</u>	38	<u>14.19</u>	36	<u>10.71</u>	29	<u>14.70</u>	28	<u>9.61*</u>	Feb-93
Over/Under			0.02		-0.06		-0.02		-0.05		-0.03		0.03		0.16*	
<i>eV US Large Cap Equity Net Median</i>			4.14		17.54		8.23		12.77		9.16		13.78		9.91	Feb-93
Rhumblin Advisors Russell 1000 Growth	167,029,922	3.71	4.53	63	21.32	55	11.44	50	18.00	46	13.31	29			15.47	Jun-13
<i>Russell 1000 Growth</i>			<u>4.64</u>	60	<u>21.49</u>	52	<u>11.56</u>	49	<u>18.07</u>	46	<u>13.39</u>	27			<u>15.54</u>	Jun-13
Over/Under			-0.11		-0.17		-0.12		-0.07		-0.08				-0.07	
<i>eV US Large Cap Growth Equity Net Median</i>			5.06		21.88		11.40		17.53		12.33				14.62	Jun-13
Escrow Account	4,472	0.00														

1- Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

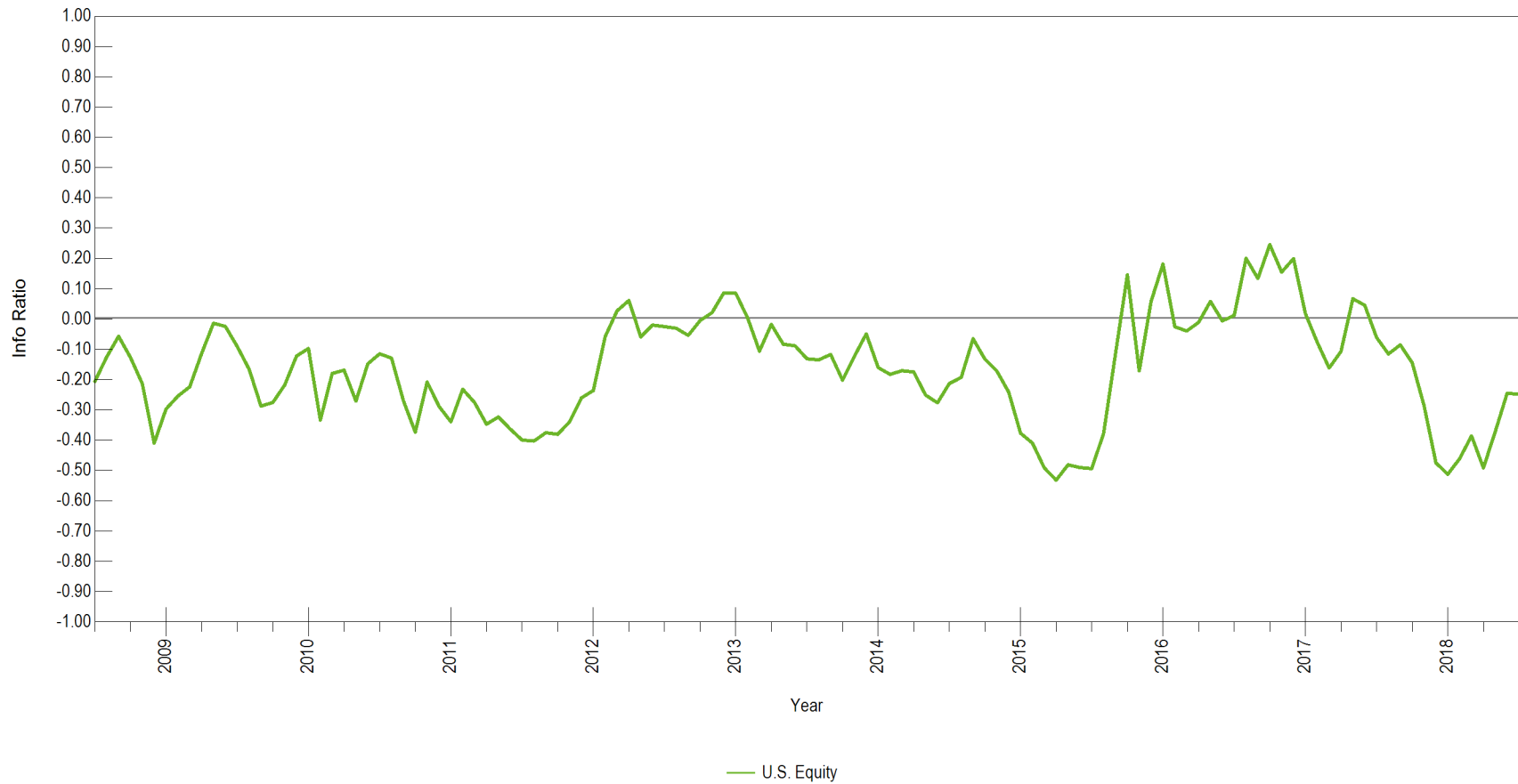
eA = eVestment Alliance

* = Performance is gross of fees



U.S. EQUITY ROLLING 5 YEAR INFORMATION RATIO

Rolling 5 Year Information Ratio



*Returns are net of fees.



MANAGER REPORT CARD

U.S. Equity Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
AJO	Oct-01	Large Cap Value	*	*	*	*	✓	*	*	*	✓	449.7	The Board terminated its relationship with AJO as of June 11, 2019
Principal Global Investors	Jul-14	Mid Cap	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	563.0	Performance compliant with LACERS' Manager Monitoring Policy
EAM Investors	Sep-15	Small Cap Growth	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	501.2	Performance compliant with LACERS' Manager Monitoring Policy
PanAgora	Feb-06	Small Cap Value	*	*	*	*	*	*	*	*	*	647.8	On Watch since November 2018 due to performance
Rhumblin (Passive)	Feb-93	S&P 500	✓	✓	*	✓	*	✓	*	✓	✓✓	100.9	Performance compliant with LACERS' Manager Monitoring Policy
Rhumblin (Passive)	Jun-13	R1000 Growth	*	*	*	✓	*	✓	*	✓	*	8.8	Performance compliant with LACERS' Manager Monitoring Policy
Rhumblin (Passive)	Jun-15	R2000	✓	*	✓	*	*	✓	N/A	N/A	*	11.9	Performance compliant with LACERS' Manager Monitoring Policy
Rhumblin (Passive)	Jun-15	R2000 Growth	✓	*	✓	*	*	*	N/A	N/A	*	5.9	Performance compliant with LACERS' Manager Monitoring Policy
Rhumblin (Passive)	Feb-16	R2000 Value	=	*	✓	*	*	✓	N/A	N/A	*	2.2	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2018.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
*	Underperformed
=	Equal to
✓✓	Gross Return



NON-U.S. EQUITY

NEPC, LLC

Los Angeles City Employees' Retirement System

NON-U.S. EQUITY (GROSS)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Non-U.S. Equity	5,382,051,196	100.00	3.15	14.12	0.39	10.00	3.30	7.84	5.23	Nov-94
MSCI ACWI ex USA			<u>2.98</u>	<u>13.60</u>	<u>1.29</u>	<u>9.39</u>	<u>2.16</u>	<u>6.54</u>	<u>2.16</u>	<u>Nov-94</u>
Over/Under			0.17	0.52	-0.90	0.61	1.14	1.30	3.07	
Developed ex-U.S.	4,056,702,311	75.37	3.73	15.25	0.15	9.59	3.29		8.30	Jun-12
MSCI EAFE			<u>3.68</u>	<u>14.03</u>	<u>1.08</u>	<u>9.11</u>	<u>2.25</u>		<u>7.31</u>	<u>Jun-12</u>
Over/Under			0.05	1.22	-0.93	0.48	1.04		0.99	
AQR Capital ¹	341,159,532	6.34	0.58	9.62	-9.36	7.28	4.38		4.22	Feb-14
MSCI EAFE Small Cap			<u>1.71</u>	<u>12.55</u>	<u>-6.35</u>	<u>9.06</u>	<u>4.40</u>		<u>4.42</u>	<u>Feb-14</u>
Over/Under			-1.13	-2.93	-3.01	-1.78	-0.02		-0.20	
Barrow Hanley ¹	523,698,587	9.73	3.46	14.62	-3.55	8.15	0.79		2.45	Nov-13
MSCI EAFE Value			<u>1.54</u>	<u>9.58</u>	<u>-2.10</u>	<u>8.46</u>	<u>0.05</u>		<u>1.34</u>	<u>Nov-13</u>
Over/Under			1.92	5.04	-1.45	-0.31	0.74		1.11	
Lazard Asset Management ¹	608,121,649	11.30	3.68	15.51	3.08	8.99	3.83		5.01	Nov-13
MSCI EAFE			<u>3.68</u>	<u>14.03</u>	<u>1.08</u>	<u>9.11</u>	<u>2.25</u>		<u>3.14</u>	<u>Nov-13</u>
Over/Under			0.00	1.48	2.00	-0.12	1.58		1.87	
MFS Institutional Advisors	626,967,054	11.65	5.69	18.84	7.72	13.45	6.98		7.19	Oct-13
MSCI World ex USA Growth NR USD			<u>5.76</u>	<u>18.89</u>	<u>4.36</u>	<u>9.42</u>	<u>4.02</u>		<u>4.77</u>	<u>Oct-13</u>
Over/Under			-0.07	-0.05	3.36	4.03	2.96		2.42	
Oberweis Asset Mgmt ¹	168,152,499	3.12	4.31	21.34	-7.73	8.77	6.44		7.32	Jan-14
MSCI EAFE Small Cap			<u>1.71</u>	<u>12.55</u>	<u>-6.35</u>	<u>9.06</u>	<u>4.40</u>		<u>5.39</u>	<u>Jan-14</u>
Over/Under			2.60	8.79	-1.38	-0.29	2.04		1.93	
SSgA World ex US IMI	1,788,602,990	33.23	3.70	14.72	0.64	9.38	2.65	7.45	5.71	Aug-93
MSCI World ex USA IMI NR USD ²			<u>3.50</u>	<u>14.39</u>	<u>0.16</u>	<u>8.92</u>	<u>2.22</u>	<u>7.04</u>	<u>5.44</u>	<u>Aug-93</u>
Over/Under			0.20	0.33	0.48	0.46	0.43	0.41	0.27	

1 Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

2 Since inception index return sourced from SSgA.

eA = eVestment



Los Angeles City Employees' Retirement System

NON-U.S. EQUITY (GROSS)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Emerging Markets	1,325,348,885	24.63	1.44	10.79	0.92	11.21	2.19		4.13	Jun-12
<i>MSCI Emerging Markets</i>			<u>0.61</u>	<u>10.59</u>	<u>1.21</u>	<u>10.66</u>	<u>2.49</u>		<u>4.15</u>	<i>Jun-12</i>
Over/Under			0.83	0.20	-0.29	0.55	-0.30		-0.02	
Axiom Emerging Markets	436,840,561	8.12	2.70	14.00	0.97	11.17	3.69		4.59	Mar-14
<i>MSCI Emerging Markets Growth NR USD</i>			<u>0.26</u>	<u>12.34</u>	<u>-2.44</u>	<u>11.22</u>	<u>3.85</u>		<u>4.85</u>	<i>Mar-14</i>
Over/Under			2.44	1.66	3.41	-0.05	-0.16		-0.26	
DFA Emerging Markets ¹	443,872,235	8.25	-0.24	7.31	1.74	10.94			1.10	Aug-14
<i>MSCI Emerging Markets Value NR USD</i>			<u>0.97</u>	<u>8.89</u>	<u>5.04</u>	<u>10.02</u>			<u>0.48</u>	<i>Aug-14</i>
Over/Under			-1.21	-1.58	-3.30	0.92			0.62	
QMA Emerging Markets ¹	444,636,089	8.26	1.93	11.33	0.08	11.36	2.90		4.14	May-14
<i>MSCI Emerging Markets</i>			<u>0.61</u>	<u>10.59</u>	<u>1.21</u>	<u>10.66</u>	<u>2.49</u>		<u>3.61</u>	<i>May-14</i>
Over/Under			1.32	0.74	-1.13	0.70	0.41		0.53	

¹ Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.
eA = eVestment



Los Angeles City Employees' Retirement System

NON-U.S. EQUITY (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
Non-U.S. Equity	5,382,051,196	100.00	3.06	41	13.91	24	0.02	55	9.60	40	2.94	49	7.47	25		Nov-94
MSCI ACWI ex USA			<u>2.98</u>	42	<u>13.60</u>	38	<u>1.29</u>	34	<u>9.39</u>	41	<u>2.16</u>	82	<u>6.54</u>	75		Nov-94
Over/Under			0.08		0.31		-1.27		0.21		0.78		0.93			
Developed ex-U.S.	4,056,702,311	75.37	3.64		15.07		-0.19		9.24		2.97				8.01	Jun-12
MSCI EAFE			<u>3.68</u>		<u>14.03</u>		<u>1.08</u>		<u>9.11</u>		<u>2.25</u>				<u>7.31</u>	Jun-12
Over/Under			-0.04		1.04		-1.27		0.13		0.72				0.70	
InvMetrics Public DB > \$1 Billion Dev Mkt ex-US Eq Net Median																Jun-12
AQR Capital ¹	341,159,532	6.34	0.38	86	9.21	93	-10.07	75	6.46	87	3.62	61			3.50	Feb-14
MSCI EAFE Small Cap			<u>1.71</u>	63	<u>12.55</u>	53	<u>-6.35</u>	32	<u>9.06</u>	51	<u>4.40</u>	53			<u>4.42</u>	Feb-14
Over/Under			-1.33		-3.34		-3.72		-2.60		-0.78				-0.92	
eV EAFE Small Cap Equity Net Median			2.46		12.57		-7.24		9.07		4.75				4.80	Feb-14
Barrow Hanley ¹	523,698,587	9.73	3.33	23	14.33	10	-4.04	57	7.60	61	0.28	82			1.94	Nov-13
MSCI EAFE Value			<u>1.54</u>	66	<u>9.58</u>	76	<u>-2.10</u>	36	<u>8.46</u>	35	<u>0.05</u>	89			<u>1.34</u>	Nov-13
Over/Under			1.79		4.75		-1.94		-0.86		0.23				0.60	
eV EAFE Value Equity Net Median			2.20		11.28		-3.37		7.95		1.59				2.33	Nov-13
Lazard Asset Management ¹	608,121,649	11.30	3.55	40	15.23	30	2.55	21	8.43	55	3.27	45			4.47	Nov-13
MSCI EAFE			<u>3.68</u>	38	<u>14.03</u>	43	<u>1.08</u>	31	<u>9.11</u>	41	<u>2.25</u>	66			<u>3.14</u>	Nov-13
Over/Under			-0.13		1.20		1.47		-0.68		1.02				1.33	
eV All EAFE Equity Net Median			2.85		13.11		-1.81		8.70		3.10				3.86	Nov-13
MFS Institutional Advisors	626,967,054	11.65	5.59	61	18.59	64	7.21	4	12.91	32	6.45	6			6.67	Oct-13
MSCI World ex USA Growth NR USD			<u>5.76</u>	58	<u>18.89</u>	61	<u>4.36</u>	12	<u>9.42</u>	76	<u>4.02</u>	62			<u>4.77</u>	Oct-13
Over/Under			-0.17		-0.30		2.85		3.49		2.43				1.90	
eV EAFE All Cap Growth Net Median			5.83		19.58		0.08		10.77		4.26				4.92	Oct-13

¹ Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.
eA = eVestment



Los Angeles City Employees' Retirement System

NON-U.S. EQUITY (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
Oberweis Asset Mgmt¹	168,152,499	3.12	4.08	24	20.83	5	-8.53	65	7.83	72	5.51	28			6.42	Jan-14
<i>MSCI EAFE Small Cap</i>			<u>1.71</u>	63	<u>12.55</u>	53	<u>-6.35</u>	32	<u>9.06</u>	51	<u>4.40</u>	53			<u>5.39</u>	Jan-14
Over/Under			2.37		8.28		-2.18		-1.23		1.11				1.03	
<i>eV EAFE Small Cap Equity Net Median</i>			2.46		12.57		-7.24		9.07		4.75				5.84	Jan-14
SSgA World ex US IMI	1,788,602,990	33.23	3.70	34	14.71	32	0.62	30	9.35	35	2.63	62	7.43	67	5.71*	Aug-93
<i>MSCI World ex USA IMI NR USD²</i>			<u>3.50</u>	37	<u>14.39</u>	35	<u>0.16</u>	31	<u>8.92</u>	43	<u>2.22</u>	69	<u>7.04</u>	77	<u>5.44*</u>	Aug-93
Over/Under			0.20		0.32		0.46		0.43		0.41		0.39		0.27*	
<i>eV EAFE Core Equity Net Median</i>			2.83		13.11		-2.08		8.48		2.95		8.16			Aug-93
Emerging Markets	1,325,348,885	24.63	1.30	14	10.50	21	0.40	41	10.63	15	1.63	47			3.49	Jun-12
<i>MSCI Emerging Markets</i>			<u>0.61</u>	52	<u>10.59</u>	20	<u>1.21</u>	23	<u>10.66</u>	14	<u>2.49</u>	19			<u>4.15</u>	Jun-12
Over/Under			0.69		-0.09		-0.81		-0.03		-0.86				-0.66	
<i>InvMetrics Public DB > \$1 Billion Emg Mkt Eq Net Median</i>			0.61		10.21		-0.26		8.05		1.63				3.07	Jun-12
Axiom Emerging Markets	436,840,561	8.12	2.51	25	13.60	34	0.29	56	10.40	43	2.98	39			3.91	Mar-14
<i>MSCI Emerging Markets Growth NR USD</i>			<u>0.26</u>	79	<u>12.34</u>	46	<u>-2.44</u>	79	<u>11.22</u>	29	<u>3.85</u>	21			<u>4.85</u>	Mar-14
Over/Under			2.25		1.26		2.73		-0.82		-0.87				-0.94	
<i>eV Emg Mkts Equity Net Median</i>			1.33		11.78		0.99		9.86		2.49				3.81	Mar-14
DFA Emerging Markets¹	443,872,235	8.25	-0.37	90	7.04	93	1.24	46	10.40	43					0.61	Aug-14
<i>MSCI Emerging Markets Value NR USD</i>			<u>0.97</u>	59	<u>8.89</u>	84	<u>5.04</u>	13	<u>10.02</u>	48					<u>0.48</u>	Aug-14
Over/Under			-1.34		-1.85		-3.80		0.38						0.13	
<i>eV Emg Mkts Equity Net Median</i>			1.33		11.78		0.99		9.86		2.49				2.49	Aug-14
QMA Emerging Markets¹	444,636,089	8.26	1.83	38	11.13	56	-0.30	62	10.93	35	2.46	54			3.69	May-14
<i>MSCI Emerging Markets</i>			<u>0.61</u>	71	<u>10.59</u>	61	<u>1.21</u>	47	<u>10.66</u>	37	<u>2.49</u>	51			<u>3.61</u>	May-14
Over/Under			1.22		0.54		-1.51		0.27		-0.03				0.08	
<i>eV Emg Mkts Equity Net Median</i>			1.33		11.78		0.99		9.86		2.49				3.78	May-14

1 Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

2 Since inception index return sourced from SSgA.

eA = eVestment

* = Performance is gross of fees



Los Angeles City Employees' Retirement System

NON-U.S. EQUITY COUNTRY ALLOCATION

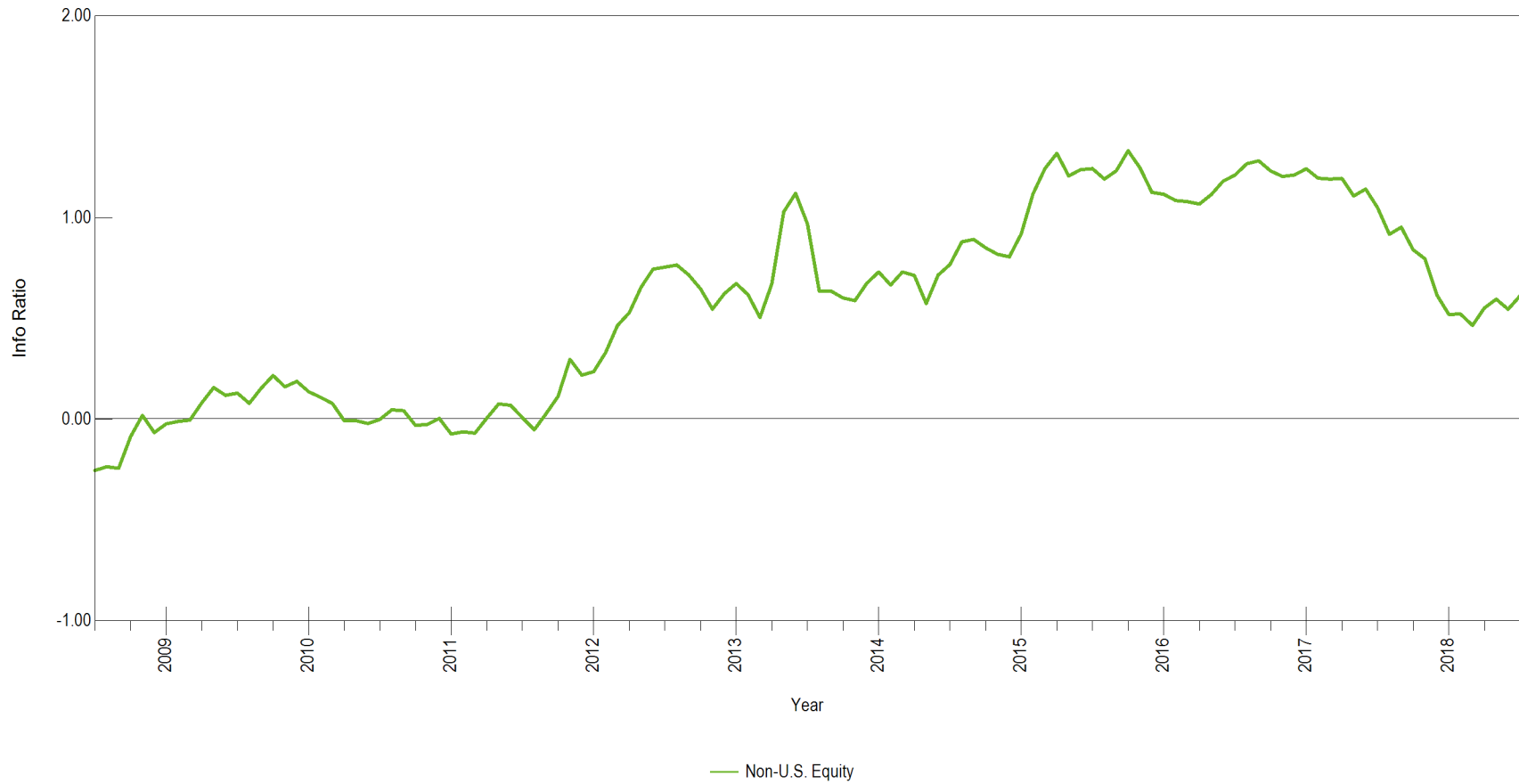
Versus MSCI ACWI ex USA - Quarter Ending June 30, 2019		
	Manager Ending Allocation (USD)	Index Ending Allocation (USD)
Europe		
Austria	0.2%	0.2%
Belgium	0.6%	0.6%
Bulgaria**	0.0%	0.0%
Croatia**	0.0%	0.0%
Czech Republic*	0.1%	0.0%
Denmark	1.3%	1.1%
Estonia**	0.0%	0.0%
Finland	1.0%	0.7%
France	9.2%	7.6%
Germany	5.8%	5.8%
Greece*	0.0%	0.1%
Hungary*	0.1%	0.1%
Ireland	0.3%	0.4%
Italy	1.8%	1.5%
Lithuania**	0.0%	0.0%
Luxembourg	0.0%	0.0%
Netherlands	2.8%	2.4%
Norway	1.0%	0.4%
Poland*	0.2%	0.3%
Portugal	0.1%	0.1%
Romania**	0.0%	0.0%
Russia*	0.9%	1.1%
Serbia**	0.0%	0.0%
Slovenia**	0.0%	0.0%
Spain	1.2%	2.0%
Sweden	1.9%	1.8%
Switzerland	5.8%	6.2%
United Kingdom	10.6%	11.2%
Total-Europe	44.8%	43.5%

Versus MSCI ACWI ex USA - Quarter Ending June 30, 2019		
	Manager Ending Allocation (USD)	Index Ending Allocation (USD)
Americas		
Argentina*	0.0%	0.1%
Brazil*	2.1%	2.0%
Canada	4.5%	6.8%
Chile*	0.1%	0.2%
Colombia*	0.3%	0.1%
Mexico*	0.8%	0.7%
Peru*	0.1%	0.1%
United States	2.7%	0.0%
Total-Americas	10.7%	10.0%
AsiaPacific		
Australia	3.3%	4.8%
China*	4.5%	8.4%
Hong Kong	6.0%	2.7%
India*	2.6%	2.4%
Indonesia*	0.5%	0.6%
Japan	14.3%	15.9%
Korea*	3.2%	3.3%
Malaysia*	0.3%	0.6%
New Zealand	0.1%	0.2%
Philippines*	0.3%	0.3%
Singapore	1.5%	0.9%
Taiwan*	3.3%	2.9%
Thailand*	0.7%	0.8%
Total-AsiaPacific	40.6%	43.6%
Other		
Egypt*	0.1%	0.0%
Israel	0.5%	0.4%
Other Countries	0.2%	0.0%
Qatar*	0.0%	0.3%
South Africa*	1.4%	1.6%
Turkey*	0.2%	0.1%
United Arab Emirates*	0.1%	0.2%
Total-Other	2.6%	2.9%
Totals		
Developed	76.3%	73.5%
Emerging*	22.2%	26.5%
Other	0.2%	
Cash	1.3%	



NON-U.S. EQUITY ROLLING 5 YEAR INFORMATION

Rolling 5 Year Information Ratio



*Returns are net of fees



MANAGER REPORT CARD

Non-U.S. Equity Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
Axiom International	Mar-14	Emerging Markets	✓	✓	✓	*	*	✓	*	✓	*	1,866.9	On Watch since April 2019 due to performance
Q.M.A.	Apr-14	Emerging Markets	✓	✓	*	*	✓	✓	*	*	✓	1,219.4	Performance compliant with LACERS' Manager Monitoring Policy
DFA Emerging Markets	Jul-14	Emerging Markets	*	*	*	✓	✓	✓	N/A	N/A	✓	1,188.2	Performance compliant with LACERS' Manager Monitoring Policy
AQR	Feb-14	Non-U.S. Developed	*	*	*	*	*	*	*	*	*	2,314.2	On Watch since May 2019 due to performance.
Oberweis Asset Mgt.	Jan-14	Non-U.S. Developed	✓	✓	*	*	*	*	✓	✓	✓	568.5	Performance compliant with LACERS' Manager Monitoring Policy
Barrow, Hanley, Mewhinney & Strauss	Nov-13	Non-U.S. Developed	✓	✓	*	*	*	*	✓	*	✓	2,097.9	On Watch since April 2019 due to performance
Lazard Asset Mgt.	Nov-13	Non-U.S. Developed	*	✓	✓	✓	*	*	✓	✓	✓	2,467.4	Performance compliant with LACERS' Manager Monitoring Policy
MFS Institutional Advisors	Oct-13	Non-U.S. Developed	*	*	✓	✓	✓	✓	✓	✓	✓	2,313.6	Performance compliant with LACERS' Manager Monitoring Policy
SsgA (Passive)	Aug-93	Non-U.S. Developed	✓	✓	✓	✓	✓	✓	✓	*	✓✓	368.9	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2018.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
*	Underperformed
=	Equal to
✓✓	Gross Return



CORE FIXED INCOME

NEPC, LLC

Los Angeles City Employees' Retirement System

CORE FIXED INCOME (GROSS)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Core Fixed Income	3,065,987,757	100.00	3.20	6.47	8.09	2.75	3.15		3.38	Jul-12
Core Fixed Income Blend			<u>3.08</u>	<u>6.11</u>	<u>7.87</u>	<u>2.31</u>	<u>2.95</u>		<u>2.76</u>	<i>Jul-12</i>
Over/Under			0.12	0.36	0.22	0.44	0.20		0.62	
Baird Advisors	268,437,629	8.76	2.76	5.45	7.34	2.53	2.93	4.41	4.38	Mar-05
BBgBarc US Govt/Credit Int TR			<u>2.59</u>	<u>4.97</u>	<u>6.93</u>	<u>1.99</u>	<u>2.39</u>	<u>3.24</u>	<u>3.72</u>	<i>Mar-05</i>
Over/Under			0.17	0.48	0.41	0.54	0.54	1.17	0.66	
LM Capital	320,229,627	10.44	3.09	6.70	7.45	2.60	3.10	4.54	4.63	Mar-05
Core Fixed Income Blend			<u>3.08</u>	<u>6.11</u>	<u>7.87</u>	<u>2.31</u>	<u>2.95</u>	<u>4.17</u>	<u>4.37</u>	<i>Mar-05</i>
Over/Under			0.01	0.59	-0.42	0.29	0.15	0.37	0.26	
Loomis Sayles	791,881,091	25.83	3.49	6.96	8.57	3.48	3.67	5.60	9.08	Jul-80
BC US Agg LACERS custom			<u>3.08</u>	<u>6.11</u>	<u>7.87</u>	<u>2.31</u>	<u>2.95</u>	<u>3.90</u>	<u>7.58</u>	<i>Jul-80</i>
Over/Under			0.41	0.85	0.70	1.17	0.72	1.70	1.50	
Neuberger Berman	782,852,143	25.53	3.22	6.68	8.33	2.65	3.07	5.58	5.74	Sep-01
Core Fixed Income Blend			<u>3.08</u>	<u>6.11</u>	<u>7.87</u>	<u>2.31</u>	<u>2.95</u>	<u>4.17</u>	<u>4.64</u>	<i>Sep-01</i>
Over/Under			0.14	0.57	0.46	0.34	0.12	1.41	1.10	
SSgA U.S. Aggregate Bond ¹	902,587,267	29.44	3.09	6.09	7.89	2.33			3.07	Jul-14
BBgBarc US Aggregate TR			<u>3.08</u>	<u>6.11</u>	<u>7.87</u>	<u>2.31</u>			<u>3.05</u>	<i>Jul-14</i>
Over/Under			0.01	-0.02	0.02	0.02			0.02	

1 Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.
BBgBarc = Bloomberg Barclays



Los Angeles City Employees' Retirement System

CORE FIXED INCOME (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
Core Fixed Income	3,065,987,757	100.00	3.17	13	6.41	21	7.98	7	2.64	65	3.04	51			3.26	Jul-12
<i>Core Fixed Income Blend</i>			<u>3.08</u>	22	<u>6.11</u>	53	<u>7.87</u>	13	<u>2.31</u>	88	<u>2.95</u>	54			<u>2.76</u>	<i>Jul-12</i>
<i>Over/Under</i>			0.09		0.30		0.11		0.33		0.09				0.50	
<i>InvMetrics Public DB > \$1 Billion US Fixed Income Net Median</i>			2.90		6.14		6.99		3.15		3.05				3.11	<i>Jul-12</i>
Baird Advisors	268,437,629	8.76	2.73	8	5.39	14	7.21	11	2.40	21	2.81	12	4.28	15	4.24	Mar-05
<i>BBgBarc US Govt/Credit Int TR</i>			<u>2.59</u>	23	<u>4.97</u>	48	<u>6.93</u>	27	<u>1.99</u>	62	<u>2.39</u>	43	<u>3.24</u>	69	<u>3.72</u>	<i>Mar-05</i>
<i>Over/Under</i>			0.14		0.42		0.28		0.41		0.42		1.04		0.52	
<i>eV US Interm Duration Fixed Inc Net Median</i>			2.44		4.95		6.63		2.04		2.35		3.45		3.92	<i>Mar-05</i>
LM Capital	320,229,627	10.44	3.07	57	6.64	36	7.34	85	2.49	51	2.98	55	4.41	42	4.49	Mar-05
<i>Core Fixed Income Blend</i>			<u>3.08</u>	56	<u>6.11</u>	69	<u>7.87</u>	49	<u>2.31</u>	65	<u>2.95</u>	58	<u>4.17</u>	60	<u>4.37</u>	<i>Mar-05</i>
<i>Over/Under</i>			-0.01		0.53		-0.53		0.18		0.03		0.24		0.12	
<i>eV US Core Fixed Inc Net Median</i>			3.11		6.41		7.85		2.50		3.02		4.32		4.43	<i>Mar-05</i>
Loomis Sayles	791,881,091	25.83	3.46	11	6.89	20	8.44	17	3.35	9	3.53	12	5.46	11		Jul-80
<i>BC US Agg LACERS custom</i>			<u>3.08</u>	56	<u>6.11</u>	69	<u>7.87</u>	49	<u>2.31</u>	65	<u>2.95</u>	58	<u>3.90</u>	74		<i>Jul-80</i>
<i>Over/Under</i>			0.38		0.78		0.57		1.04		0.58		1.56			
<i>eV US Core Fixed Inc Net Median</i>			3.11		6.41		7.85		2.50		3.02		4.32			<i>Jul-80</i>
Neuberger Berman	782,852,143	25.53	3.19	35	6.61	39	8.18	30	2.50	50	2.92	62	5.39	12	5.59	Sep-01
<i>Core Fixed Income Blend</i>			<u>3.08</u>	56	<u>6.11</u>	69	<u>7.87</u>	49	<u>2.31</u>	65	<u>2.95</u>	58	<u>4.17</u>	60	<u>4.64</u>	<i>Sep-01</i>
<i>Over/Under</i>			0.11		0.50		0.31		0.19		-0.03		1.22		0.95	
<i>eV US Core Fixed Inc Net Median</i>			3.11		6.41		7.85		2.50		3.02		4.32		4.59	<i>Sep-01</i>
SSgA U.S. Aggregate Bond¹	902,587,267	29.44	3.08	56	6.07	72	7.85	51	2.29	67					3.03	Jul-14
<i>BBgBarc US Aggregate TR</i>			<u>3.08</u>	56	<u>6.11</u>	69	<u>7.87</u>	49	<u>2.31</u>	65					<u>3.05</u>	<i>Jul-14</i>
<i>Over/Under</i>			0.00		-0.04		-0.02		-0.02						-0.02	
<i>eV US Core Fixed Inc Net Median</i>			3.11		6.41		7.85		2.50						3.12	<i>Jul-14</i>

1 Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

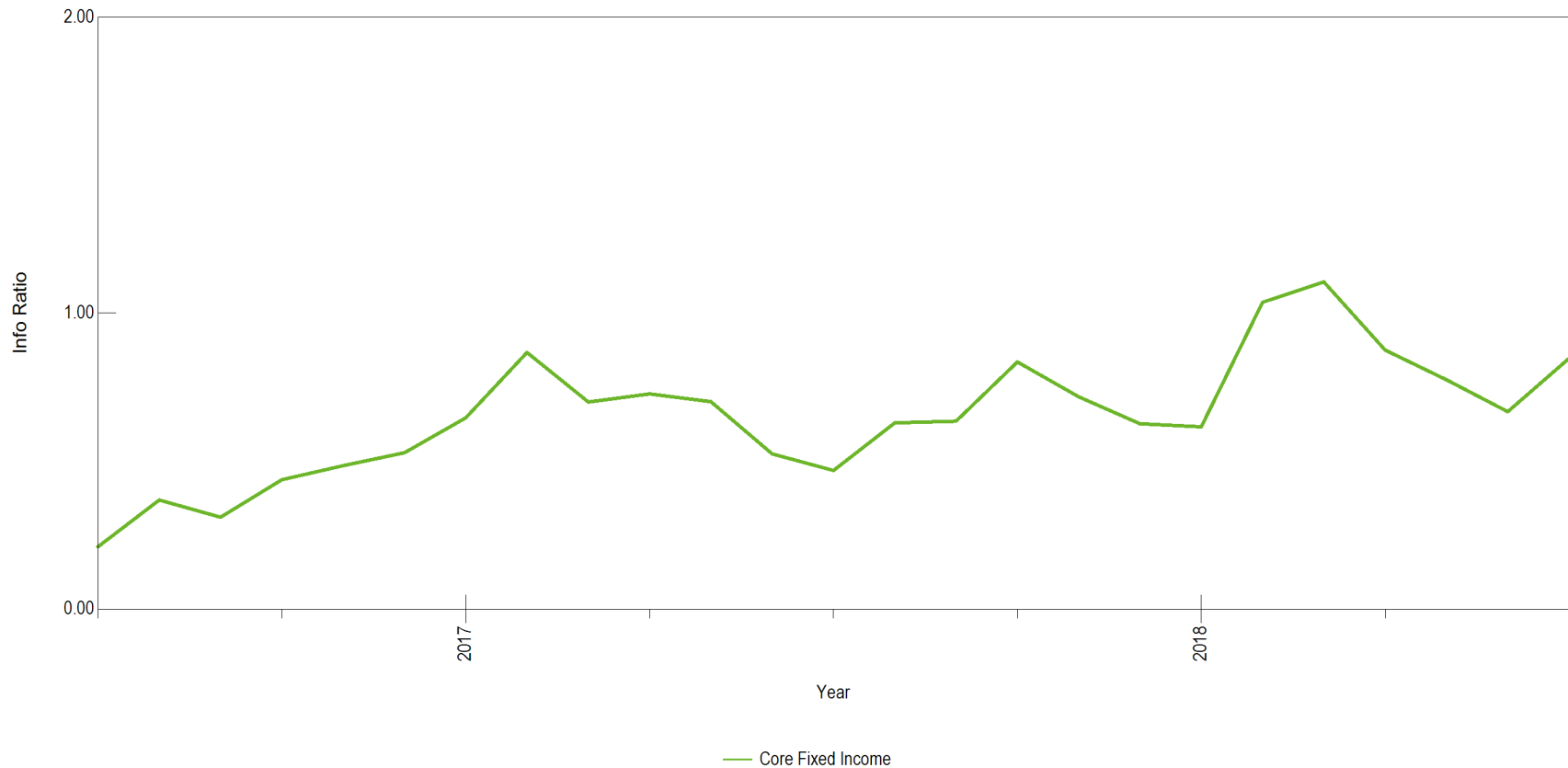
BBgBarc = Bloomberg Barclays

eV = eVestment

Los Angeles City Employees' Retirement System

CORE FIXED INCOME 3 YEAR INFORMATION RATIO

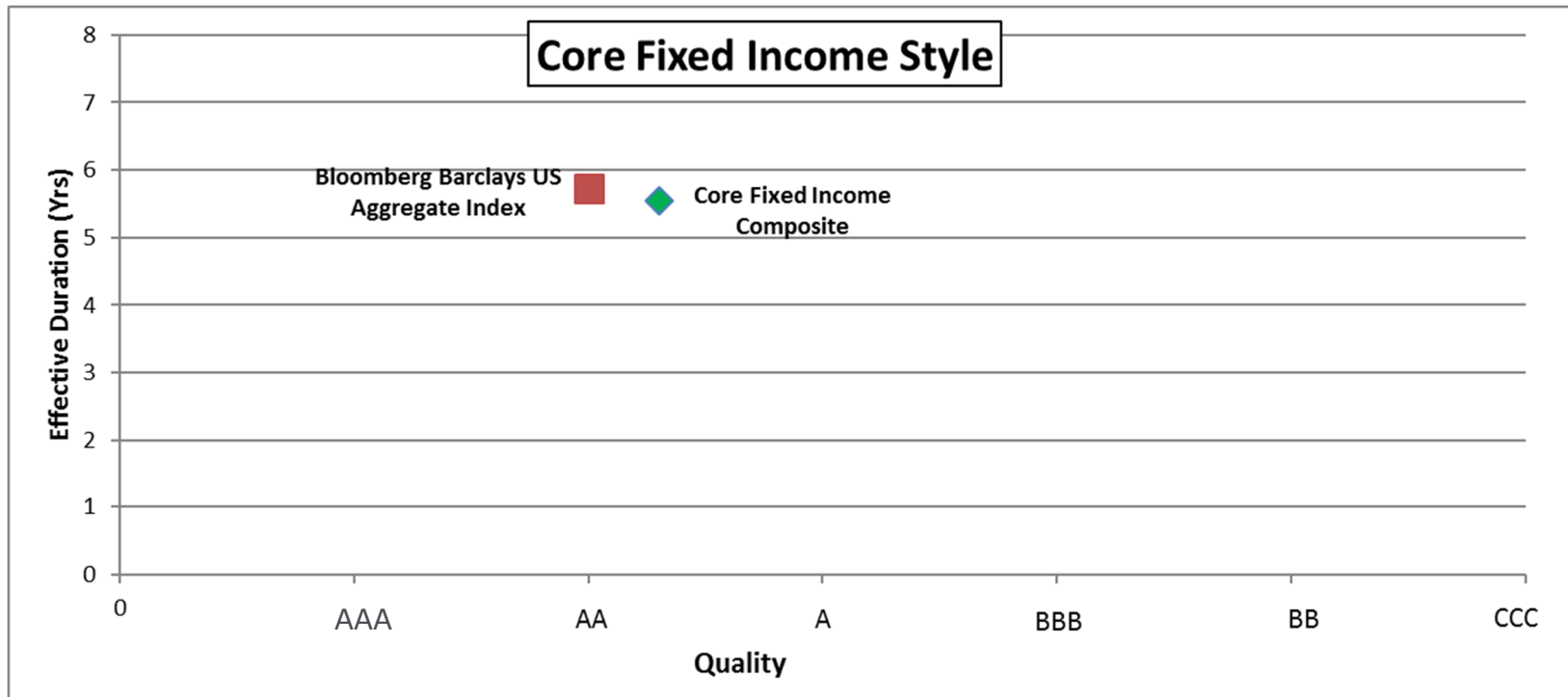
Rolling 3 Year Information Ratio



*Returns are net of fees



CORE FIXED INCOME STYLE ANALYSIS



- LACERS has a slightly lower duration (interest rate risk) than its benchmark.
- The Core Fixed Income Composite has slightly lower average quality rating than its benchmark.



MANAGER REPORT CARD

Core Fixed Income Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
			Neuberger Berman	Sep-01	Core	✓	✓	✓	✓	✓	=		
Loomis Sayles	Jul-80	Core	✓	✓	✓	✓	✓	✓	✓	✓	✓✓	863.0	Performance compliant with LACERS' Manager Monitoring Policy
Baird Advisors	Mar-05	Intermediate	✓	✓	✓	✓	✓	✓	✓	✓	✓	291.7	Performance compliant with LACERS' Manager Monitoring Policy
LM Capital Group	Mar-05	Core	*	*	*	*	✓	*	✓	*	✓	240.1	On Watch since March 2019 due to performance
SSgA (Passive)	Jul-14	Core	=	*	*	=	*	*	N/A	N/A	*	369.3	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2018.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
*	Underperformed
=	Equal to
✓✓	Gross Return



CREDIT OPPORTUNITIES

NEPC, LLC

Los Angeles City Employees' Retirement System

CREDIT OPPORTUNITIES (GROSS)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Credit Opportunities	970,661,464	100.00	3.38	10.11	9.12	7.23	4.57		5.83	Jun-13
<i>Credit Opportunities Blend</i>			<u>3.06</u>	<u>10.43</u>	<u>9.22</u>	<u>6.82</u>	<u>4.94</u>		<u>6.04</u>	<i>Jun-13</i>
Over/Under			0.32	-0.32	-0.10	0.41	-0.37		-0.21	
AEGON USA	389,171,727	40.09	2.70	10.06	7.55	8.07	5.22		6.21	Jun-13
<i>BBgBarc US High Yield 2% Issuer Cap TR</i>			<u>2.50</u>	<u>9.94</u>	<u>7.48</u>	<u>7.52</u>	<u>4.71</u>		<u>5.84</u>	<i>Jun-13</i>
Over/Under			0.20	0.12	0.07	0.55	0.51		0.37	
Prudential Emerging Markets	392,657,212	40.45	4.97	12.38	13.27	6.79	6.04		6.02	May-14
<i>JP Morgan EMBI Global Diversified</i>			<u>4.08</u>	<u>11.31</u>	<u>12.45</u>	<u>5.47</u>	<u>5.30</u>		<u>5.29</u>	<i>May-14</i>
Over/Under			0.89	1.07	0.82	1.32	0.74		0.73	
Bain Capital Senior Loan Fund, LP*	188,819,446	19.45	1.60	5.71	4.28	5.46			4.08	Jun-15
<i>Credit Suisse Leveraged Loans</i>			<u>1.58</u>	<u>5.42</u>	<u>4.15</u>	<u>5.43</u>			<u>4.28</u>	<i>Jun-15</i>
Over/Under			0.02	0.29	0.13	0.03			-0.20	

- Credit Opportunities Blend = 65% BBgBarc US High Yield 2% Issuer Cap TR / 35% JP Morgan EMBI Global Diversified 7/01/2014 to present; BBgBarc US High Yield 2% Issuer Cap TR prior to

eA = eVestment Alliance

BBgBarc = Bloomberg Barclays

*Net of fee return since vehicle is commingled.



Los Angeles City Employees' Retirement System

CREDIT OPPORTUNITIES (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
Credit Opportunities	970,661,464	100.00	3.31		9.94		8.80		6.87		4.22				5.49	Jun-13
<i>Credit Opportunities Blend</i>			<u>3.06</u>		<u>10.43</u>		<u>9.22</u>		<u>6.82</u>		<u>4.94</u>				<u>6.04</u>	<i>Jun-13</i>
Over/Under			0.25		-0.49		-0.42		0.05		-0.72				-0.55	
AEGON USA	389,171,727	40.09	2.60	40	9.85	42	7.15	42	7.68	18	4.83	19			5.84	Jun-13
<i>BBgBarc US High Yield 2% Issuer Cap TR</i>			<u>2.50</u>	48	<u>9.94</u>	38	<u>7.48</u>	35	<u>7.52</u>	23	<u>4.71</u>	25			<u>5.84</u>	<i>Jun-13</i>
Over/Under			0.10		-0.09		-0.33		0.16		0.12				0.00	
<i>eV US High Yield Fixed Inc Net Median</i>			2.48		9.43		6.71		6.85		4.20				5.27	<i>Jun-13</i>
Prudential Emerging Markets	392,657,212	40.45	4.87	35	12.17	11	12.85	6	6.35	23	5.64	3			5.63	May-14
<i>JP Morgan EMBI Global Diversified</i>			<u>4.08</u>	58	<u>11.31</u>	27	<u>12.45</u>	10	<u>5.47</u>	62	<u>5.30</u>	5			<u>5.29</u>	<i>May-14</i>
Over/Under			0.79		0.86		0.40		0.88		0.34				0.34	
<i>eV Emg Mkt Fixed Inc Hedged Net Median</i>			4.38		10.64		10.58		5.67		3.85				3.94	<i>May-14</i>
Bain Capital Senior Loan Fund, LP	188,819,446	19.45	1.60	45	5.71	27	4.28	12	5.46	10					4.08	Jun-15
<i>Credit Suisse Leveraged Loans</i>			<u>1.58</u>	46	<u>5.42</u>	47	<u>4.15</u>	19	<u>5.43</u>	10					<u>4.28</u>	<i>Jun-15</i>
Over/Under			0.02		0.29		0.13		0.03						-0.20	
<i>eV US Float-Rate Bank Loan Fixed Inc Net Median</i>			1.53		5.40		3.56		4.69						3.80	<i>Jun-15</i>

- Credit Opportunities Blend = 65% BBgBarc US High Yield 2% Issuer Cap TR / 35% JP Morgan EMBI Global Diversified 7/01/2014 to present; BBgBarc US High Yield 2% Issuer Cap TR prior to

eA = eVestment Alliance

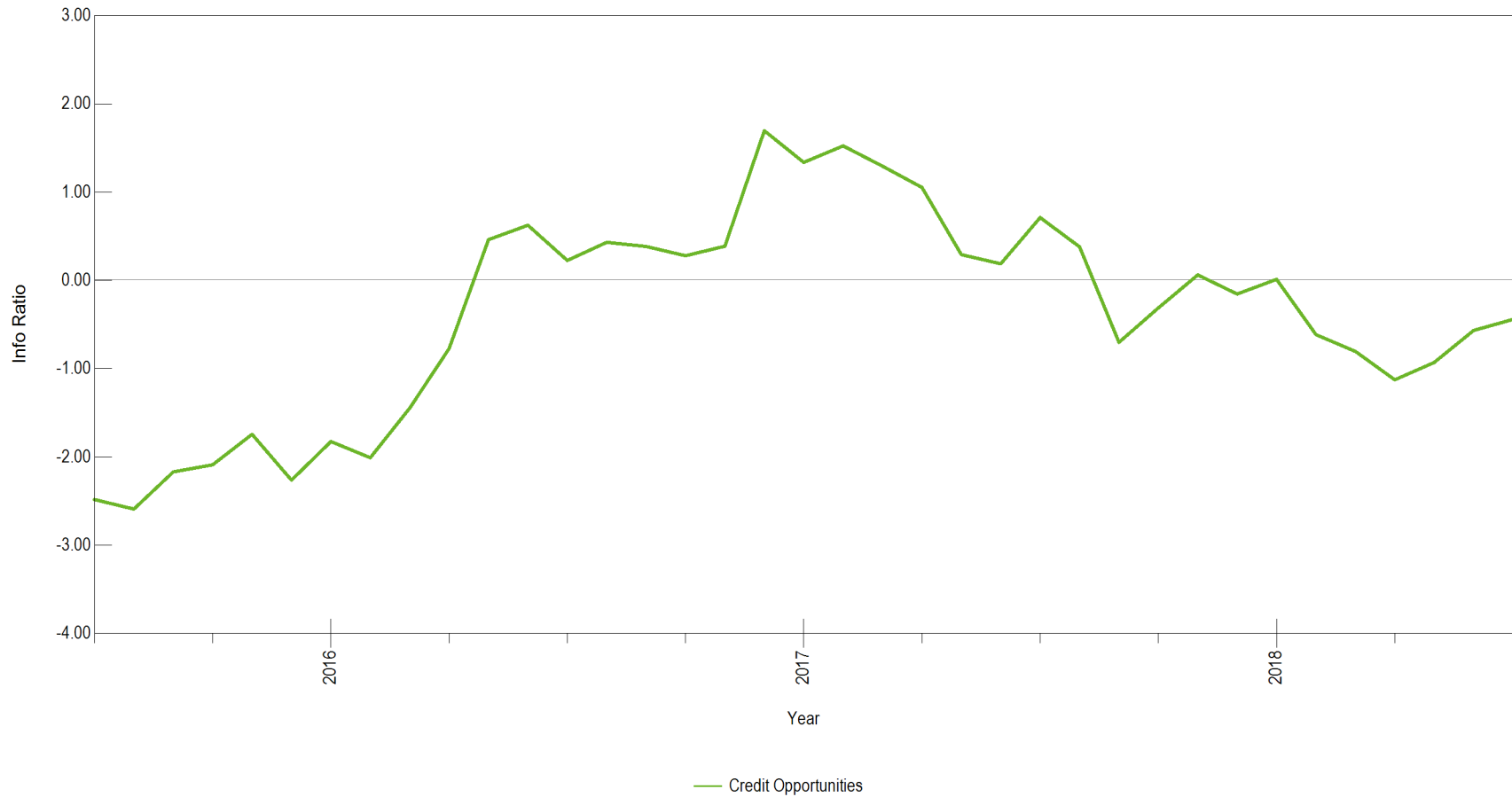
BBgBarc = Bloomberg Barclays



Los Angeles City Employees' Retirement System

CREDIT OPPORTUNITIES ROLLING 1 YEAR

Rolling 1 Year Information Ratio



*Returns are net of fees



MANAGER REPORT CARD

Credit Opportunities Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
AEGON USA	Jun-13	High Yield Bonds	✓	✓	✘	✓	✘	✓	✓	✓	=	781.6	On Watch since October 2017 due to organizational reasons
Prudential	May-14	Emerging Market Debt	✓	✓	✘	✓	✓	✓	✓	✓	✓	1230.2	Performance compliant with LACERS' Manager Monitoring Policy
Bain	Jun-15	Bank Loans	✓	✓	✓	✓	✓	✓	N/A	N/A	✘	330.0	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2018.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
✘	Underperformed
=	Equal to
✓✓	Gross Return



REAL ASSETS

NEPC, LLC

Los Angeles City Employees' Retirement System

REAL ASSETS (GROSS)

	Market Value (\$)	% of Portfolio	3 Mo (%)	YTD (%)	1 Yr (%)	3 Yrs (%)	5 Yrs (%)	10 Yrs (%)	Inception (%)	Inception Date
Real Assets	1,765,575,907	100.00	1.87	5.93	5.75	4.99	6.39	4.47	6.33	Nov-94
<i>CPI + 5% (Unadjusted)</i>			<u>2.00</u>	<u>4.46</u>	<u>6.72</u>	<u>7.14</u>	<u>6.52</u>	<u>6.81</u>	<u>7.31</u>	<i>Nov-94</i>
Over/Under			-0.13	1.47	-0.97	-2.15	-0.13	-2.34	-0.98	
Public Real Assets	956,213,312	54.16	2.26	8.34	4.55	2.12	1.79		1.79	Jun-14
<i>Public Real Assets Blend</i>			<u>1.63</u>	<u>8.28</u>	<u>3.20</u>	<u>1.52</u>	<u>-0.47</u>		<u>-0.47</u>	<i>Jun-14</i>
Over/Under			0.63	0.06	1.35	0.60	2.26		2.26	
TIPS	651,320,611	36.89	3.17	6.89	5.89	2.31			1.89	Jul-14
<i>BBgBarc US TIPS TR</i>			<u>2.87</u>	<u>6.15</u>	<u>4.84</u>	<u>2.08</u>			<u>1.78</u>	<i>Jul-14</i>
Over/Under			0.30	0.74	1.05	0.23			0.11	
DFA US TIPS ¹	651,320,611	36.89	3.17	6.89	5.89	2.31			2.04	Aug-14
<i>BBgBarc US TIPS TR</i>			<u>2.87</u>	<u>6.15</u>	<u>4.84</u>	<u>2.08</u>			<u>1.78</u>	<i>Aug-14</i>
Over/Under			0.30	0.74	1.05	0.23			0.26	
REITS	142,048,645	8.05	2.57	20.52	13.80	6.39			8.54	Mar-15
<i>FTSE NAREIT All Equity REIT</i>			<u>1.19</u>	<u>18.57</u>	<u>11.94</u>	<u>5.59</u>			<u>6.82</u>	<i>Mar-15</i>
Over/Under			1.38	1.95	1.86	0.80			1.72	
CenterSquare US Real Estate ¹	142,048,645	8.05	2.57	20.52	13.80	6.39			9.53	May-15
<i>FTSE NAREIT All Equity REIT</i>			<u>1.19</u>	<u>18.57</u>	<u>11.94</u>	<u>5.59</u>			<u>8.27</u>	<i>May-15</i>
Over/Under			1.38	1.95	1.86	0.80			1.26	
Commodities	162,844,056	9.22	-1.45	4.77	-6.38	-1.35			-4.49	Jun-15
<i>Bloomberg Commodity Index TR USD</i>			<u>-1.19</u>	<u>5.06</u>	<u>-6.75</u>	<u>-2.18</u>			<u>-5.09</u>	<i>Jun-15</i>
Over/Under			-0.26	-0.29	0.37	0.83			0.60	
CoreCommodity Mgmt ¹	162,844,056	9.22	-1.45	4.77	-6.38	-1.35			-4.49	Jul-15
<i>Bloomberg Commodity Index TR USD</i>			<u>-1.19</u>	<u>5.06</u>	<u>-6.75</u>	<u>-2.18</u>			<u>-5.09</u>	<i>Jul-15</i>
Over/Under			-0.26	-0.29	0.37	0.83			0.60	
Private Real Estate	788,737,712	44.67	1.37	3.24	7.12	7.73	9.40	5.93	6.92	Oct-94
<i>Real Estate Blend</i>			<u>1.19</u>	<u>2.83</u>	<u>7.25</u>	<u>8.43</u>	<u>10.63</u>	<u>10.34</u>	<u>9.87</u>	<i>Oct-94</i>
Over/Under			0.18	0.41	-0.13	-0.70	-1.23	-4.41	-2.95	
Timber	20,624,883	1.17	3.30	3.30	3.16	2.52	2.97	4.57	9.41	Sep-99

¹ Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance.

- Public Real Assets Custom Benchmark = 60% BBgBarc US TIPS TR / 20% Bloomberg Commodity Index TR USD / 10% Alerian MLP TR USD / 10% FTSE NAREIT All REIT

- Real Estate Blend = NCREIF-ODCE + 80bps 7/1/2014 to present; NCREIF Property Index 1 Qtr Lag plus 100bps 7/1/2012 - 6/30/2014; NCREIF Property Index prior to

eA = eVestment Alliance

Los Angeles City Employees' Retirement System

REAL ASSETS (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
Real Assets	1,765,575,907	100.00	1.85		5.86		5.60		4.83		6.23		4.33			Nov-94
<i>CPI + 5% (Unadjusted)</i>			<u>2.00</u>		<u>4.46</u>		<u>6.72</u>		<u>7.14</u>		<u>6.52</u>		<u>6.81</u>			<i>Nov-94</i>
Over/Under			-0.15		1.40		-1.12		-2.31		-0.29		-2.48			
Public Real Assets	956,213,312	54.16	2.21		8.23		4.33		1.86		1.58				1.58	Jun-14
<i>Public Real Assets Blend</i>			<u>1.63</u>		<u>8.28</u>		<u>3.20</u>		<u>1.52</u>		<u>-0.47</u>				<u>-0.47</u>	<i>Jun-14</i>
Over/Under			0.58		-0.05		1.13		0.34		2.05				2.05	
TIPS	651,320,611	36.89	3.15		6.86		5.84		2.26						1.84	Jul-14
<i>BBgBarc US TIPS TR</i>			<u>2.87</u>		<u>6.15</u>		<u>4.84</u>		<u>2.08</u>						<u>1.78</u>	<i>Jul-14</i>
Over/Under			0.28		0.71		1.00		0.18						0.06	
DFA US TIPS¹	651,320,611	36.89	3.15	7	6.86	7	5.84	1	2.26						1.99	Aug-14
<i>BBgBarc US TIPS TR</i>			<u>2.87</u>	39	<u>6.15</u>	58	<u>4.84</u>	27	<u>2.08</u>						<u>1.78</u>	<i>Aug-14</i>
Over/Under			0.28		0.71		1.00		0.18						0.21	
<i>eV US TIPS / Inflation Fixed Inc Net Median</i>			<u>2.79</u>		<u>6.24</u>		<u>4.63</u>		<u>2.09</u>						<u>1.50</u>	<i>Aug-14</i>
REITS	142,048,645	8.05	2.46		20.26		13.32		5.90						8.08	Mar-15
<i>FTSE NAREIT All Equity REIT</i>			<u>1.19</u>		<u>18.57</u>		<u>11.94</u>		<u>5.59</u>						<u>6.82</u>	<i>Mar-15</i>
Over/Under			1.27		1.69		1.38		0.31						1.26	
CenterSquare US Real Estate¹	142,048,645	8.05	2.46	38	20.26	21	13.32	23	5.90	26					9.05	May-15
<i>FTSE NAREIT All Equity REIT</i>			<u>1.19</u>	82	<u>18.57</u>	50	<u>11.94</u>	37	<u>5.59</u>	29					<u>8.27</u>	<i>May-15</i>
Over/Under			1.27		1.69		1.38		0.31						0.78	
<i>eV US REIT Net Median</i>			<u>2.07</u>		<u>18.57</u>		<u>11.38</u>		<u>4.48</u>						<u>7.15</u>	<i>May-15</i>
Commodities	162,844,056	9.22	-1.60		4.46		-7.00		-2.12						-5.19	Jun-15
<i>Bloomberg Commodity Index TR USD</i>			<u>-1.19</u>		<u>5.06</u>		<u>-6.75</u>		<u>-2.18</u>						<u>-5.09</u>	<i>Jun-15</i>
Over/Under			-0.41		-0.60		-0.25		0.06						-0.10	
CoreCommodity Mgmt¹	162,844,056	9.22	-1.60		4.46		-7.00		-2.12						-5.19	Jul-15
<i>Bloomberg Commodity Index TR USD</i>			<u>-1.19</u>		<u>5.06</u>		<u>-6.75</u>		<u>-2.18</u>						<u>-5.09</u>	<i>Jul-15</i>
Over/Under			-0.41		-0.60		-0.25		0.06						-0.10	

¹ Portfolio has a mid-month inception date. Since inception return is calculated from the first full month of performance. No universe is available.

- Public Real Assets Custom Benchmark = 60% BBgBarc US TIPS TR / 20% Bloomberg Commodity Index TR USD / 10% Alerian MLP TR USD / 10% FTSE NAREIT All REIT

eA = eVestment Alliance



Los Angeles City Employees' Retirement System

REAL ASSETS (NET)

	Market Value (\$)	% of Portfolio	3 Mo (%)	Rank	YTD (%)	Rank	1 Yr (%)	Rank	3 Yrs (%)	Rank	5 Yrs (%)	Rank	10 Yrs (%)	Rank	Inception (%)	Inception Date
Private Real Estate	788,737,712	44.67	1.37	32	3.22	15	7.05	13	7.67	47	9.30	47	5.83	99		Oct-94
<i>Real Estate Blend</i>			<u>1.19</u>	61	<u>2.83</u>	60	<u>7.25</u>	8	<u>8.43</u>	12	<u>10.63</u>	14	<u>10.34</u>	13		Oct-94
Over/Under			0.18		0.39		-0.20		-0.76		-1.33		-4.51			
<i>InvMetrics Public DB Real Estate Priv Net Median</i>			1.26		2.90		6.58		7.53		9.16		8.47			Oct-94
Timber	20,624,883	1.17	3.30		3.30		3.16		2.52		2.89		4.56			Sep-99

- Real Estate Blend = NCREIF-ODCE + 80bps 7/1/2014 to present; NCREIF Property Index 1 Qtr Lag plus 100bps 7/1/2012 - 6/30/2014; NCREIF Property Index prior to eA = eVestment Alliance



MANAGER REPORT CARD

Real Assets Managers	Inception Date	Mandate	Current Quarter (Net)		One Year (Net)		Three Years (Net)		Five Years (Net)		Since Inception (Net)	Annual Mgt Fee Paid \$ (000)	Comments
			Index	Universe	Index	Universe	Index	Universe	Index	Universe	Index		
DFA	Jul-14	U.S. TIPS	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	194.6	Performance compliant with LACERS' Manager Monitoring Policy
CenterSquare	Apr-15	REITS	✓	✓	✓	✓	✓	✓	N/A	N/A	✓	399.8	Performance compliant with LACERS' Manager Monitoring Policy
CoreCommodity Mgt.	Jul-15	Commodities	*	N/A	*	N/A	✓	N/A	N/A	N/A	*	860.4	Performance compliant with LACERS' Manager Monitoring Policy

Note: Managers are placed on Watch List for concerns with organization, process and performance. Managers are normally on the Watch List for 12 months though may be longer if manager issues remain but not severe enough to warrant termination recommendation.

- Annual Management Fee Paid as of fiscal year ending June 30, 2018.
- * Where net of fees performance is not available gross of fee returns are evaluated.

Legend	
✓	Outperformed
*	Underperformed
=	Equal to
✓✓	Gross Return



APPENDIX

NEPC, LLC

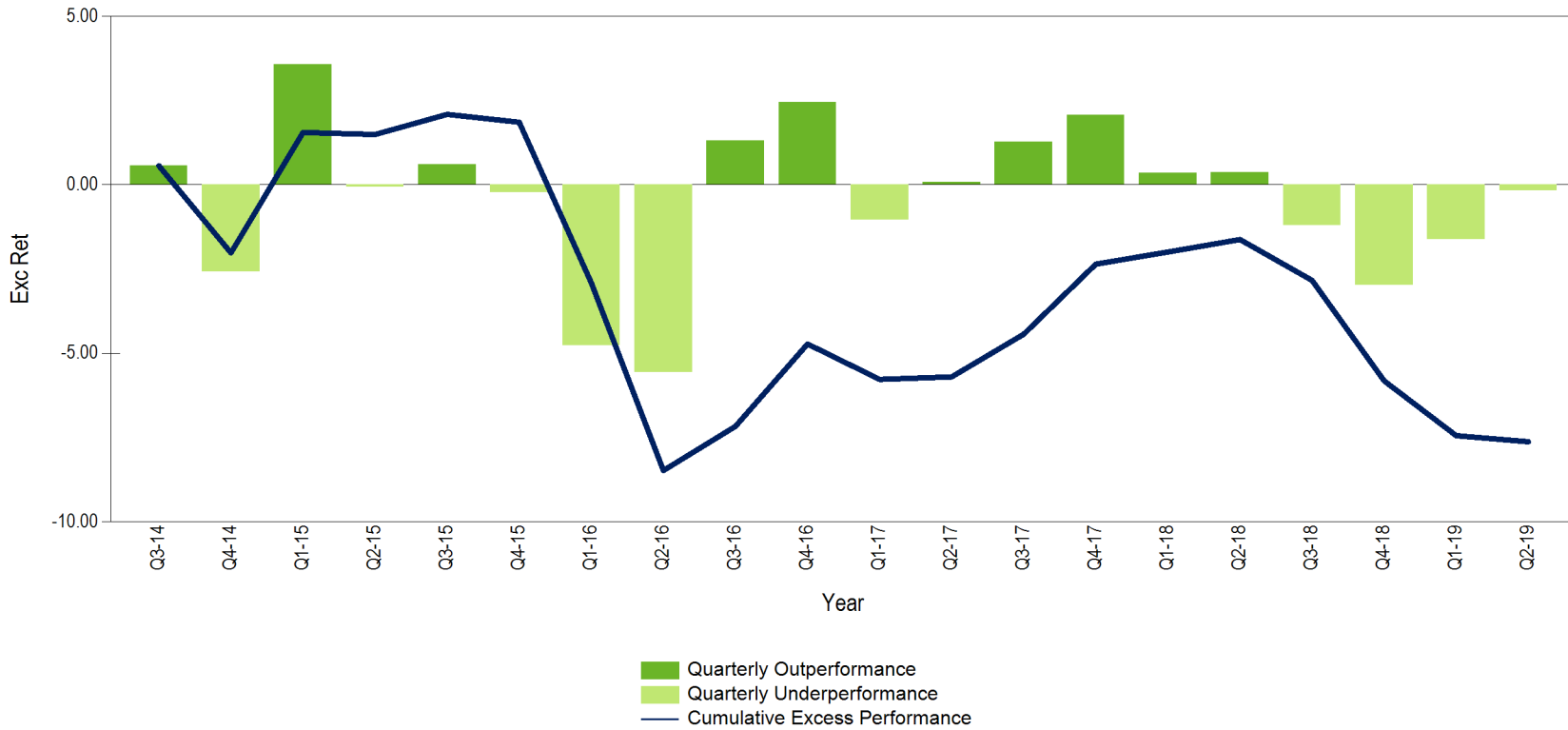
U.S. EQUITY MANAGER PERFORMANCE

NEPC, LLC

Los Angeles City Employees' Retirement System

ARONSON, JOHNSON & ORTIZ

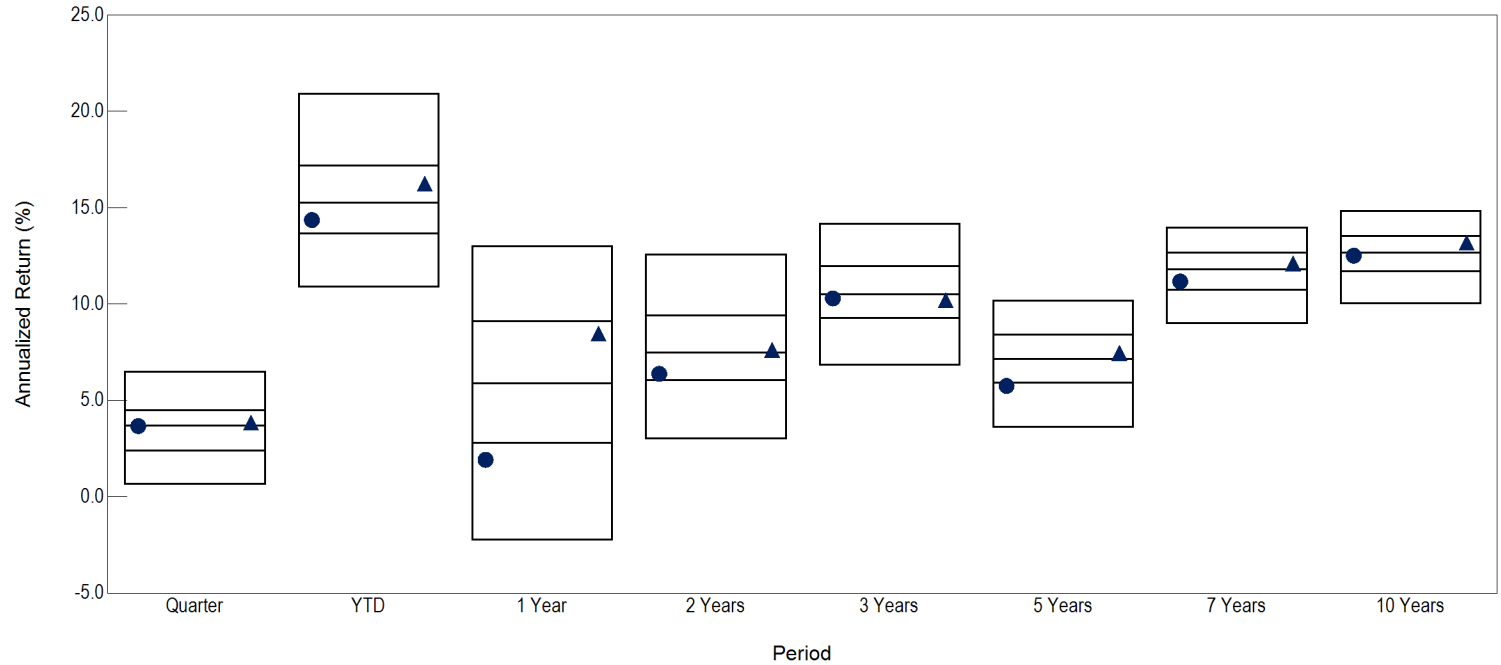
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

ARONSON, JOHNSON & ORTIZ

Aronson, Johnson & Ortiz vs. eV US Large Cap Value Equity Net

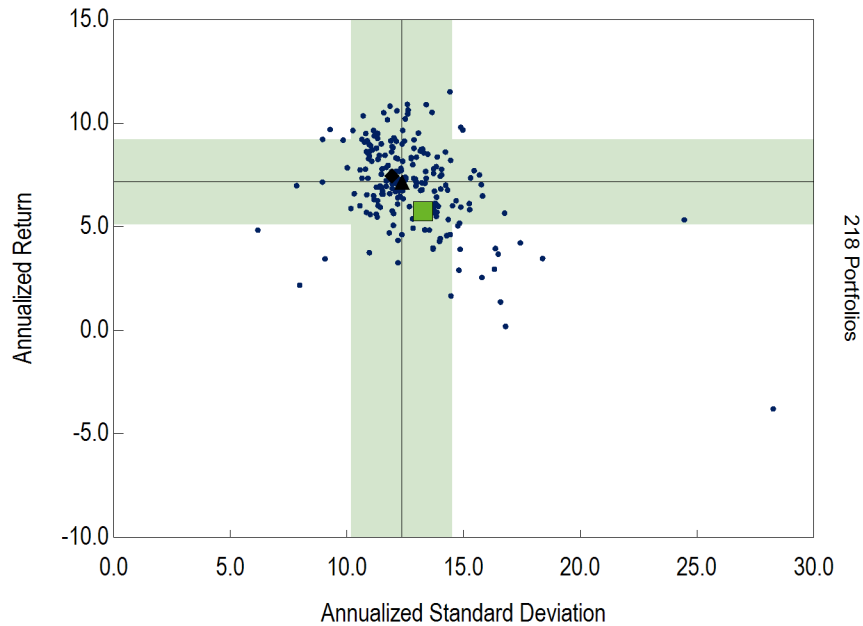


	Return (Rank)															
5th Percentile	6.47	20.92	13.00	12.55	14.17	10.17	13.96	14.82								
25th Percentile	4.54	17.22	9.13	9.43	12.00	8.43	12.69	13.54								
Median	3.71	15.29	5.91	7.52	10.53	7.16	11.84	12.71								
75th Percentile	2.42	13.69	2.84	6.08	9.32	5.94	10.75	11.75								
95th Percentile	0.70	10.95	-2.20	3.07	6.87	3.65	9.05	10.06								
# of Portfolios	238	238	233	232	228	218	201	178								
● Aronson, Johnson & Ortiz	3.66	(51)	14.35	(65)	1.91	(82)	6.37	(71)	10.28	(58)	5.75	(79)	11.16	(65)	12.50	(59)
▲ Russell 1000 Value	3.84	(45)	16.24	(37)	8.46	(30)	7.61	(49)	10.19	(60)	7.46	(42)	12.09	(45)	13.19	(33)

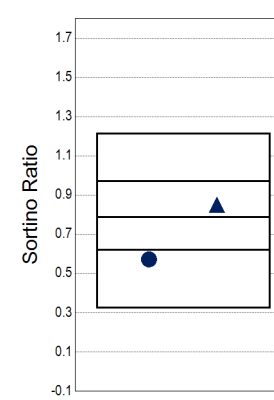
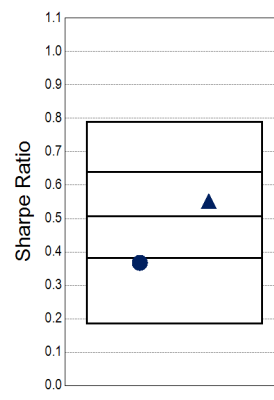
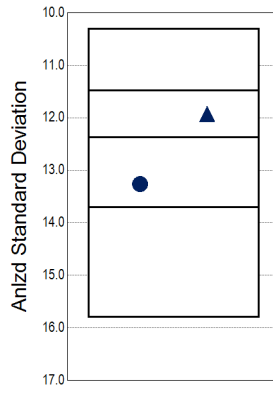
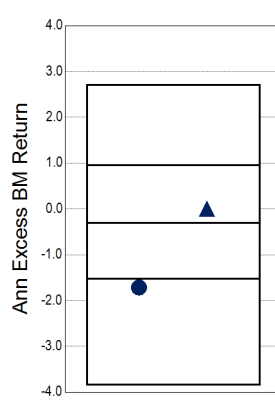
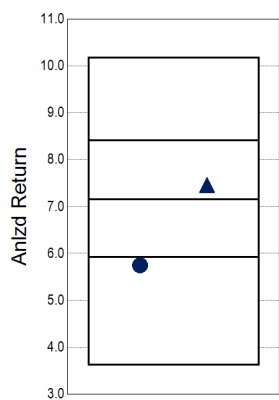
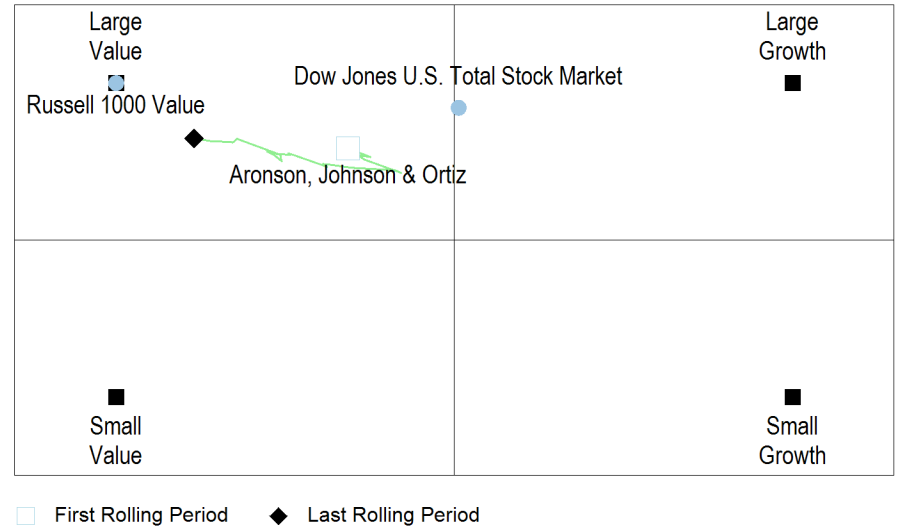


ARONSON, JOHNSON & ORTIZ

5 Year Risk Return



5 Year Style Map



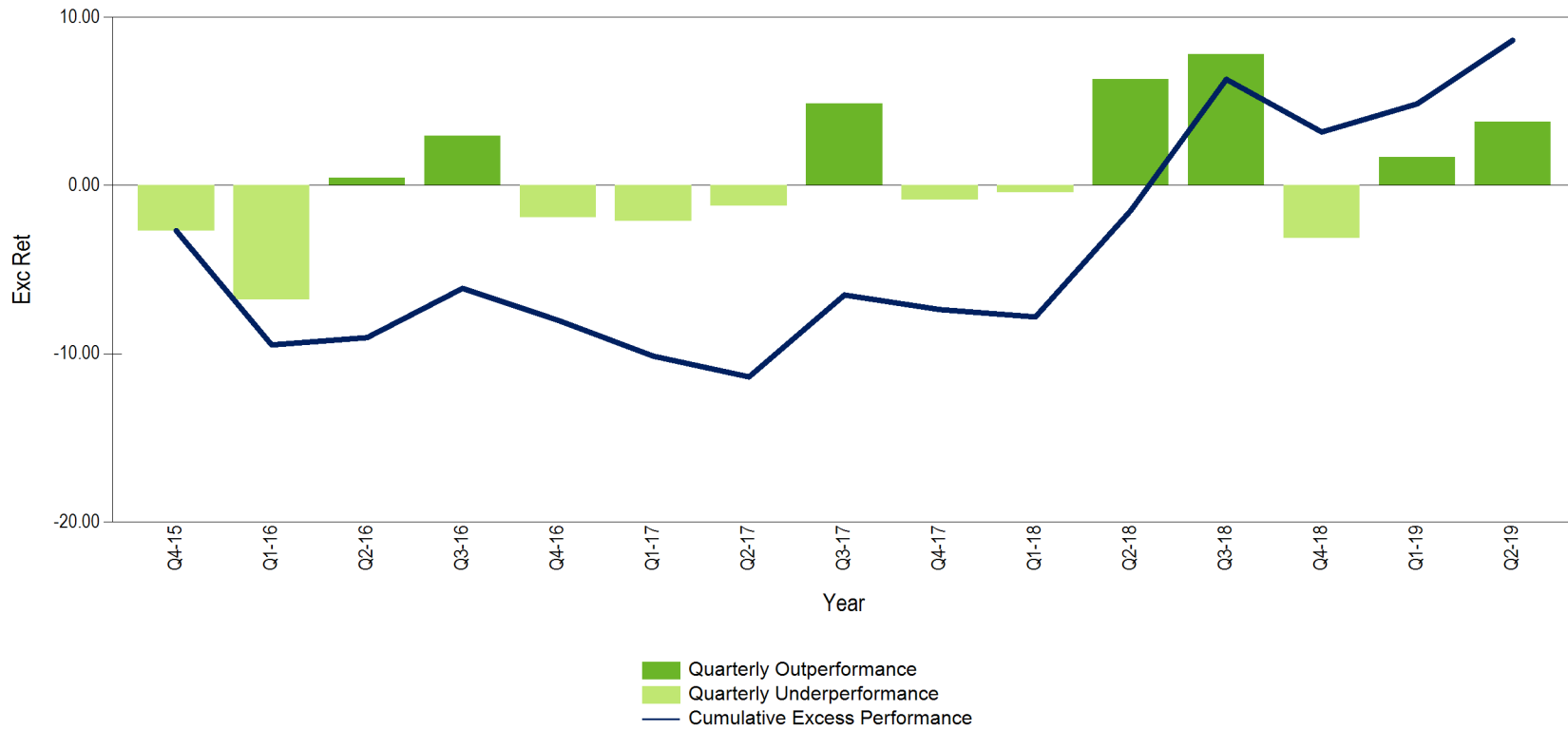
- Aronson, Johnson & Ortiz
- ▲ Russell 1000 Value
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



Los Angeles City Employees' Retirement System

EAM INVESTORS

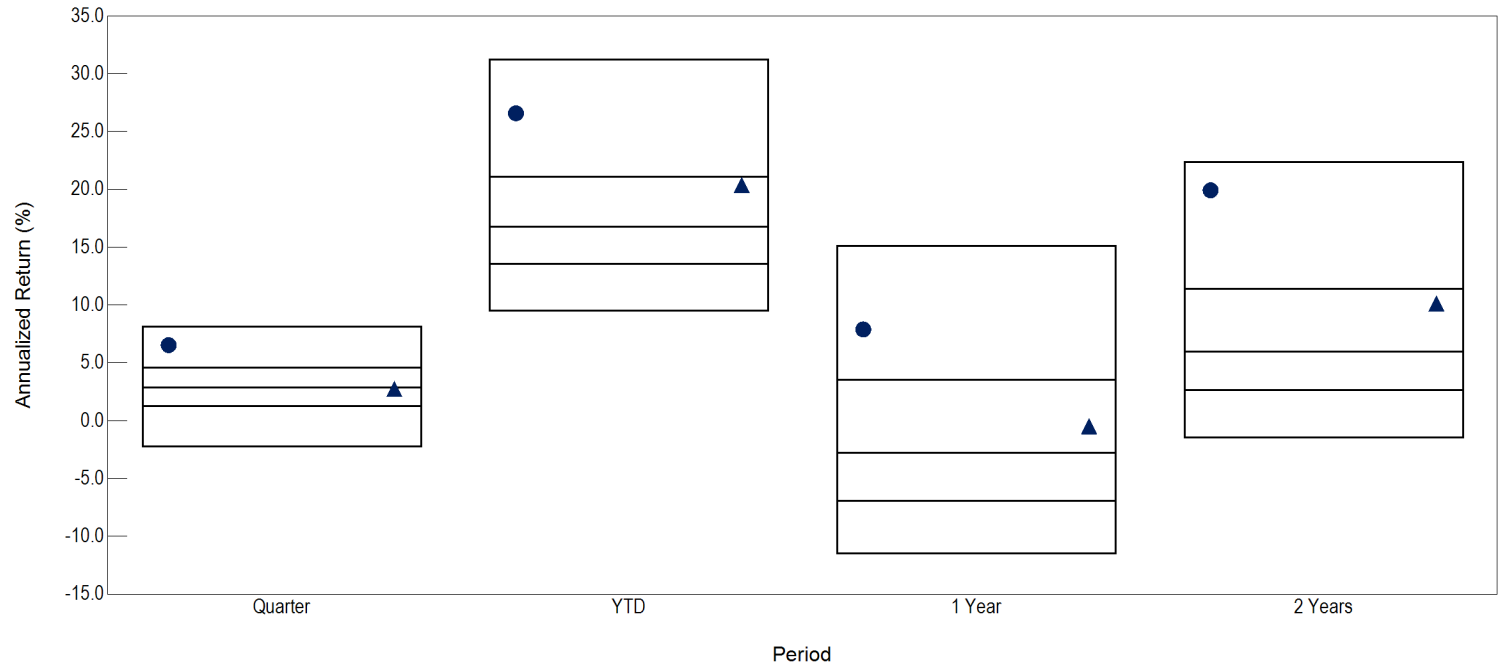
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

EAM INVESTORS

EAM Investors vs. eV US Small Cap Equity Net



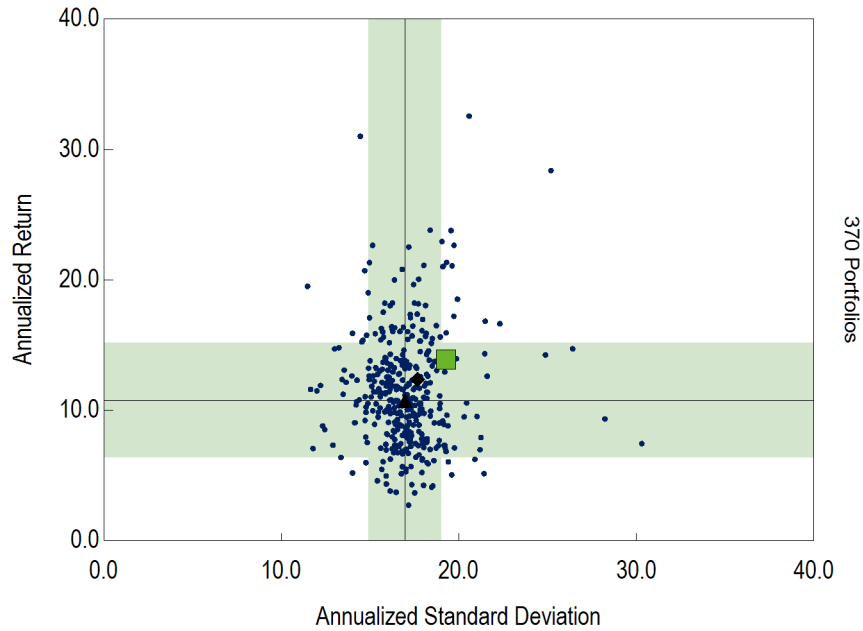
	Return (Rank)							
5th Percentile	8.11	31.19	15.12	22.34				
25th Percentile	4.62	21.12	3.56	11.46				
Median	2.90	16.81	-2.72	6.00				
75th Percentile	1.30	13.61	-6.86	2.71				
95th Percentile	-2.19	9.54	-11.42	-1.39				
# of Portfolios	398	398	392	387				
● EAM Investors	6.52	(12)	26.57	(12)	7.88	(14)	19.91	(8)
▲ Russell 2000 Growth	2.75	(53)	20.36	(27)	-0.49	(39)	10.12	(31)



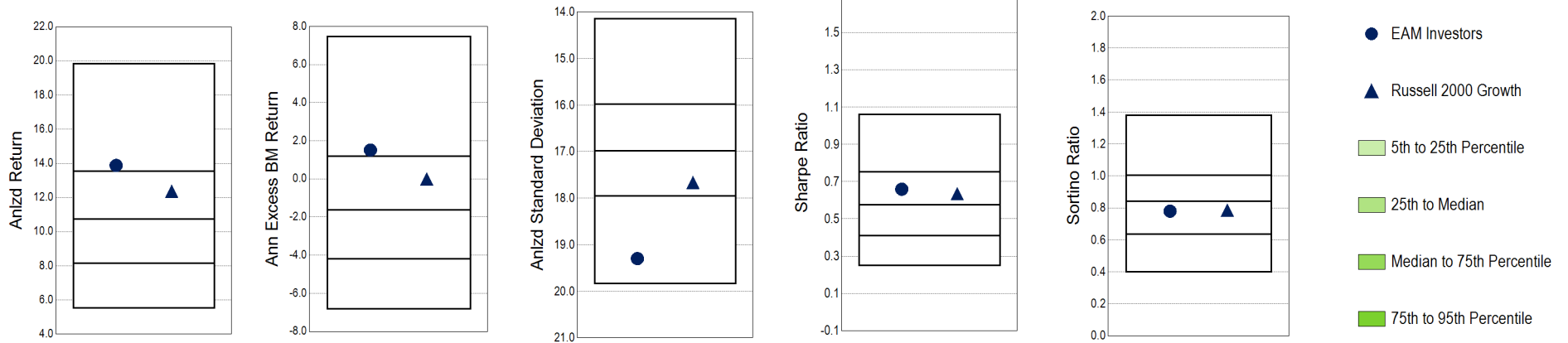
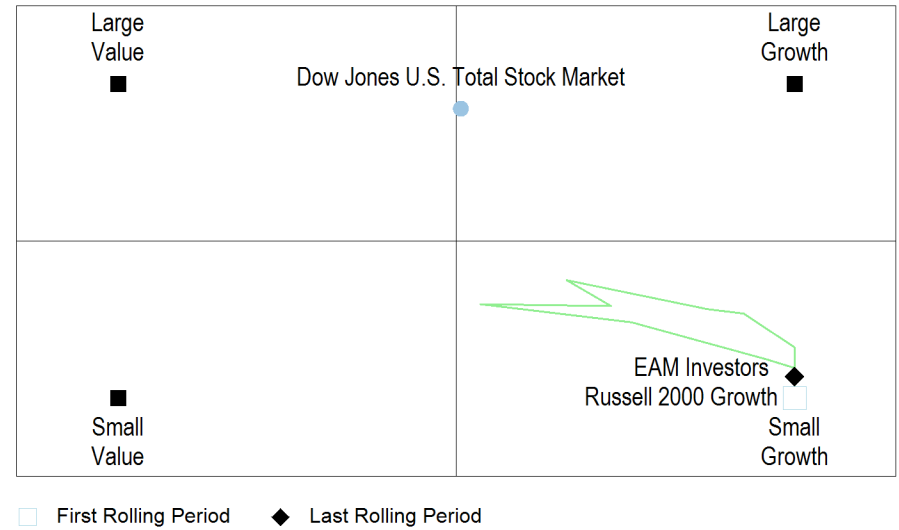
Los Angeles City Employees' Retirement System

EAM INVESTORS

Since Inception Risk Return



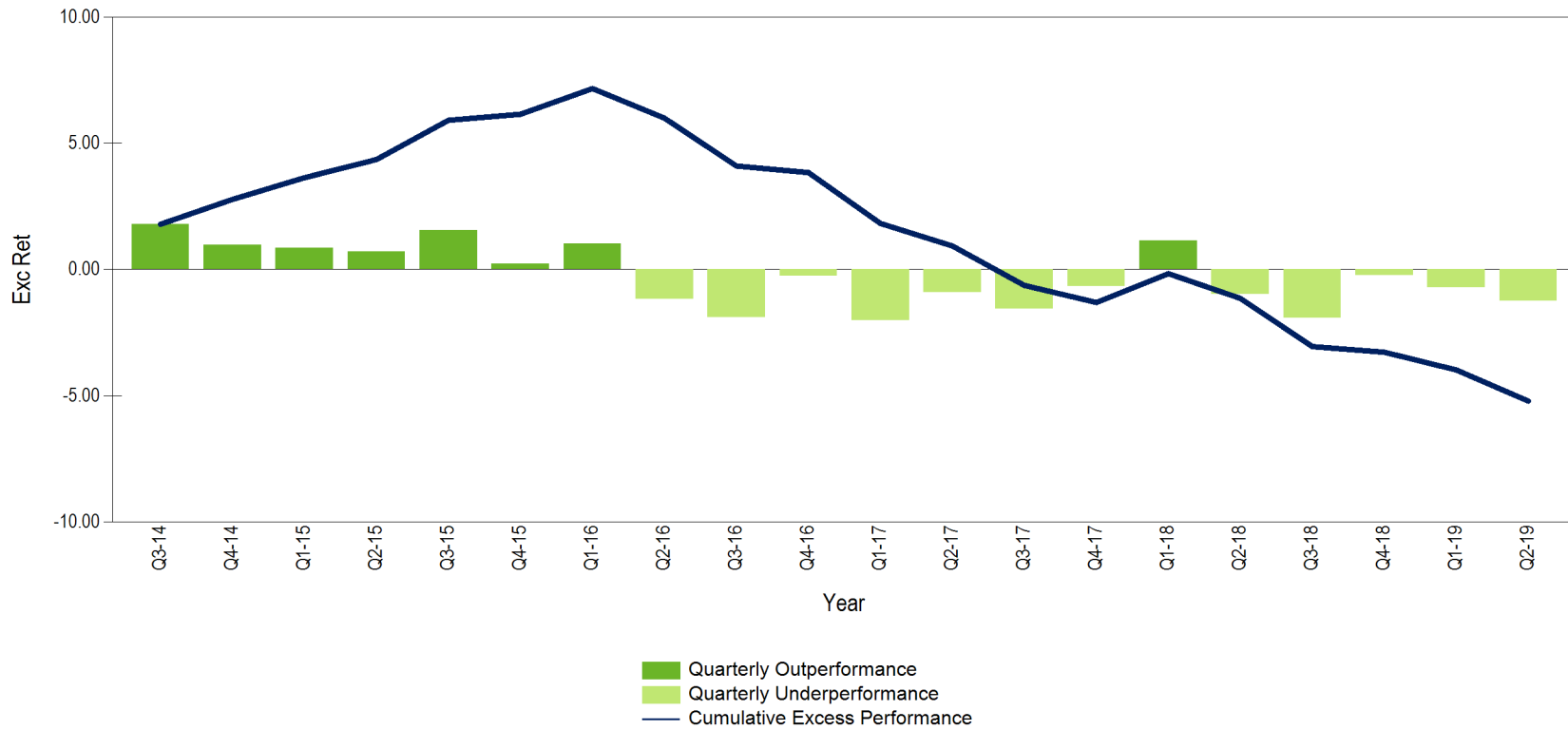
Since Inception Style Map



Los Angeles City Employees' Retirement System

PANAGORA

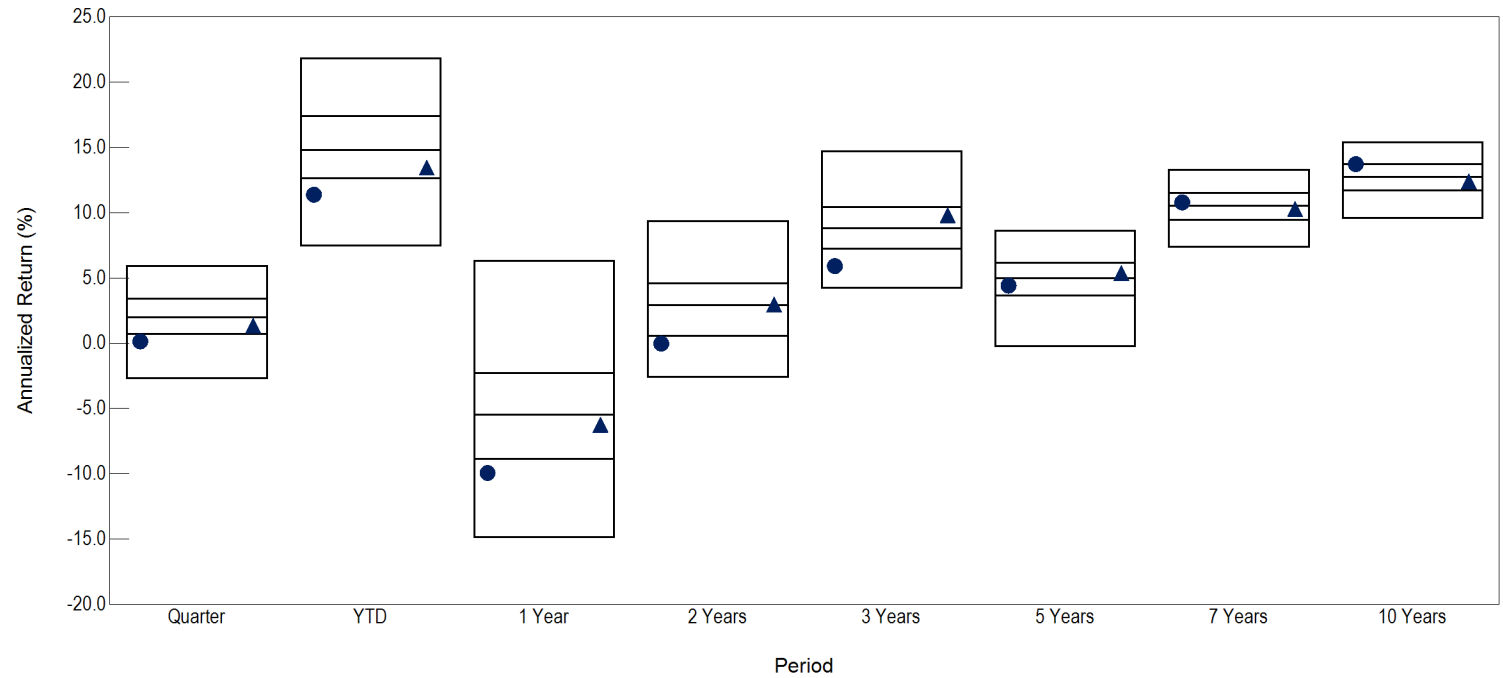
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

PANAGORA

PanAgora vs. eV US Small Cap Value Equity Net



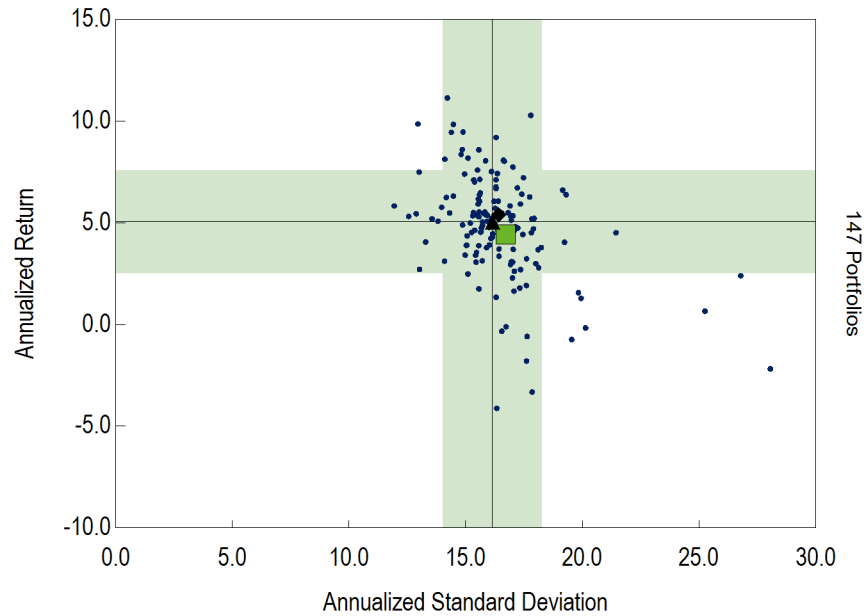
	Return (Rank)															
5th Percentile	5.89	21.82	6.30	9.34	14.70	8.60	13.27	15.40								
25th Percentile	3.48	17.43	-2.21	4.62	10.48	6.21	11.57	13.76								
Median	2.03	14.84	-5.43	2.95	8.85	5.05	10.60	12.79								
75th Percentile	0.76	12.68	-8.82	0.62	7.27	3.69	9.50	11.74								
95th Percentile	-2.61	7.56	-14.81	-2.54	4.32	-0.15	7.44	9.65								
# of Portfolios	164	164	161	160	156	147	139	126								
● PanAgora	0.14	(84)	11.38	(89)	-9.94	(84)	-0.03	(82)	5.91	(89)	4.42	(66)	10.79	(46)	13.72	(27)
▲ Russell 2000 Value	1.37	(66)	13.47	(67)	-6.24	(57)	2.98	(50)	9.81	(36)	5.39	(40)	10.31	(58)	12.40	(60)



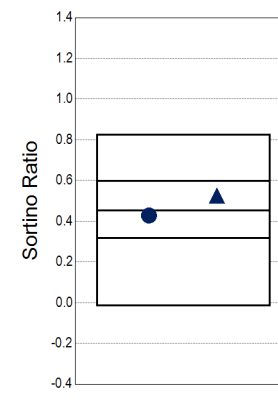
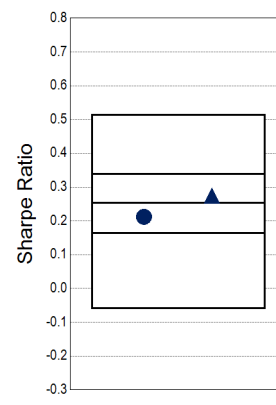
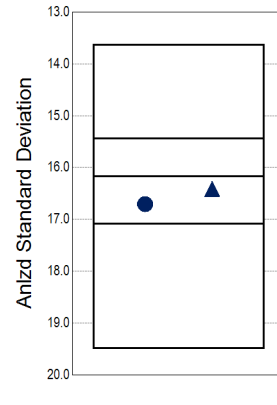
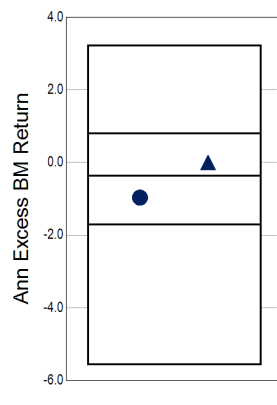
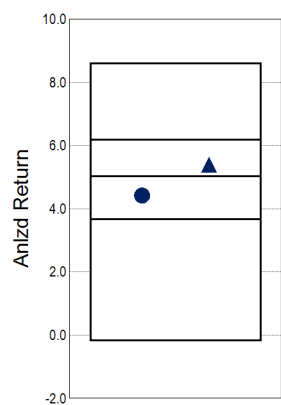
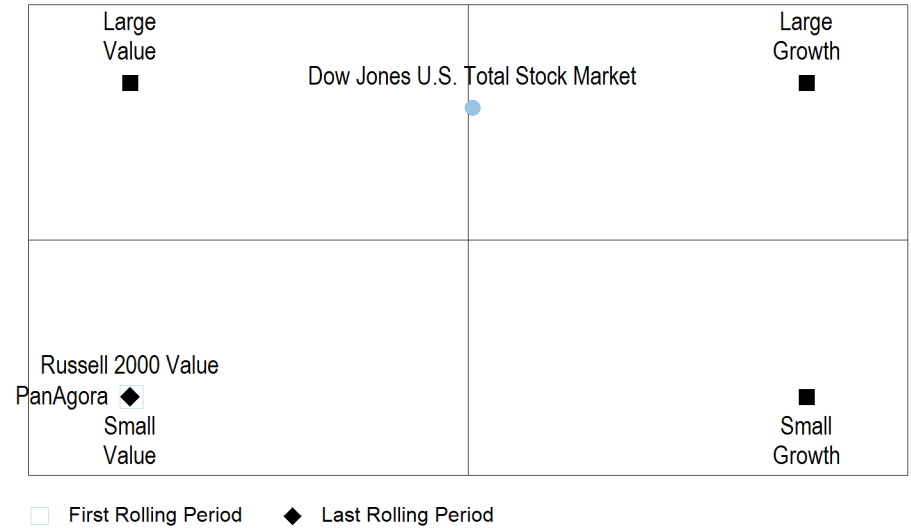
Los Angeles City Employees' Retirement System

PANAGORA

5 Year Risk Return



5 Year Style Map

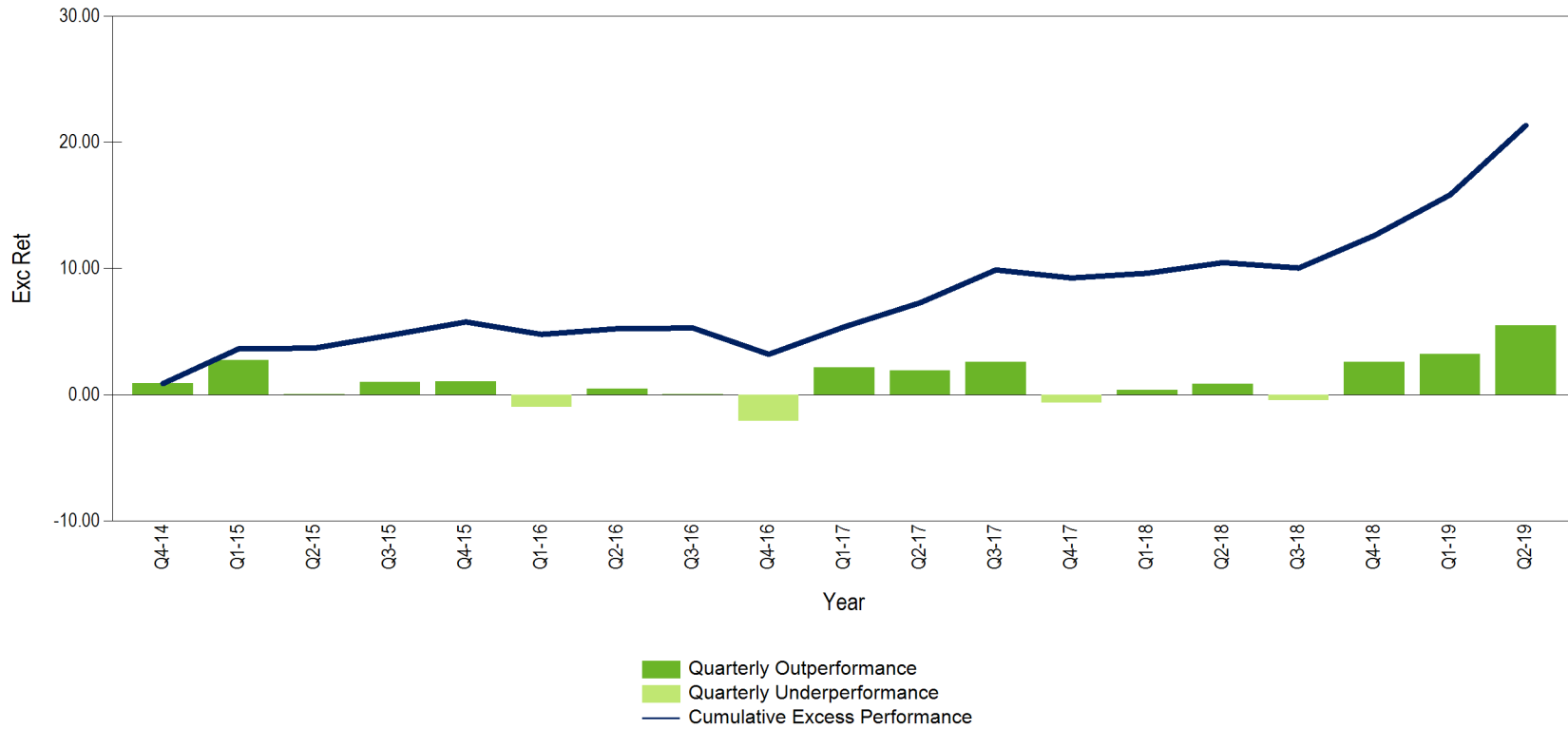


- PanAgora
- ▲ Russell 2000 Value
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



PRINCIPAL GLOBAL INVESTORS

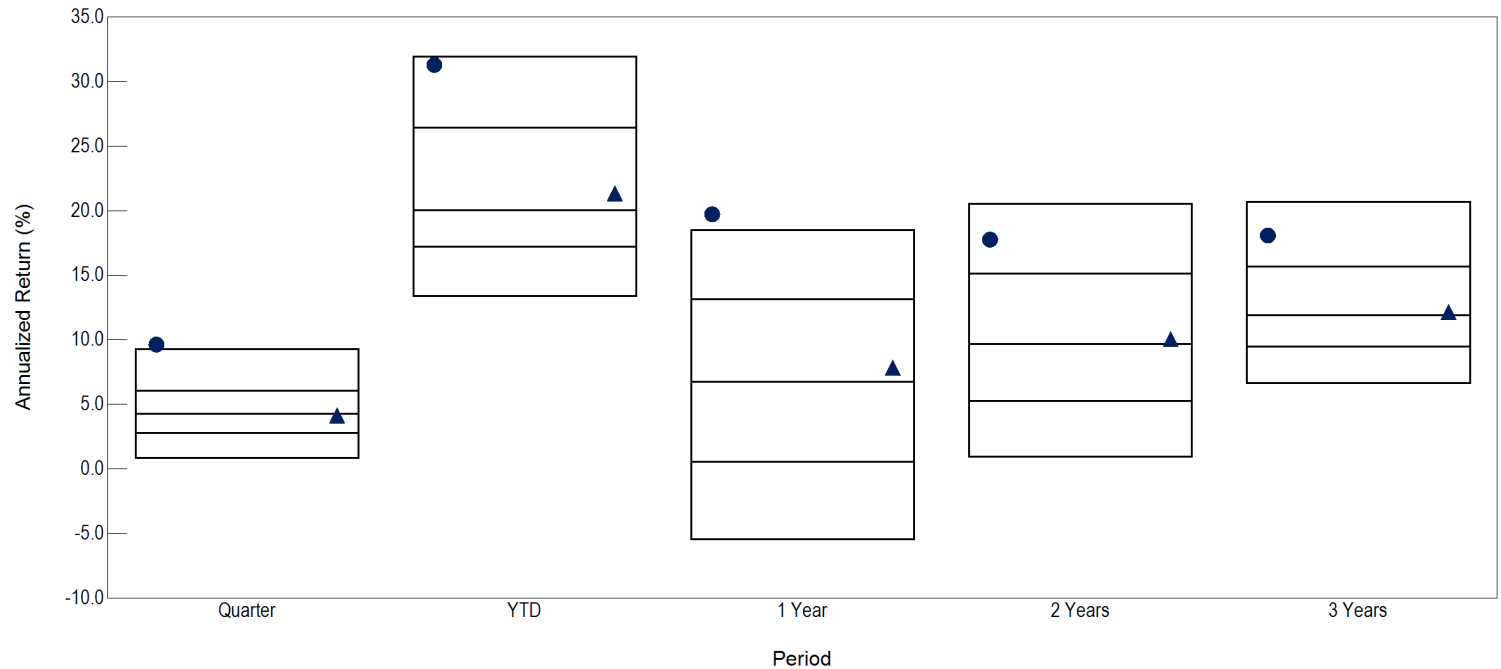
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

PRINCIPAL GLOBAL INVESTORS

Principal Global Investors vs. eV US Mid Cap Equity Net



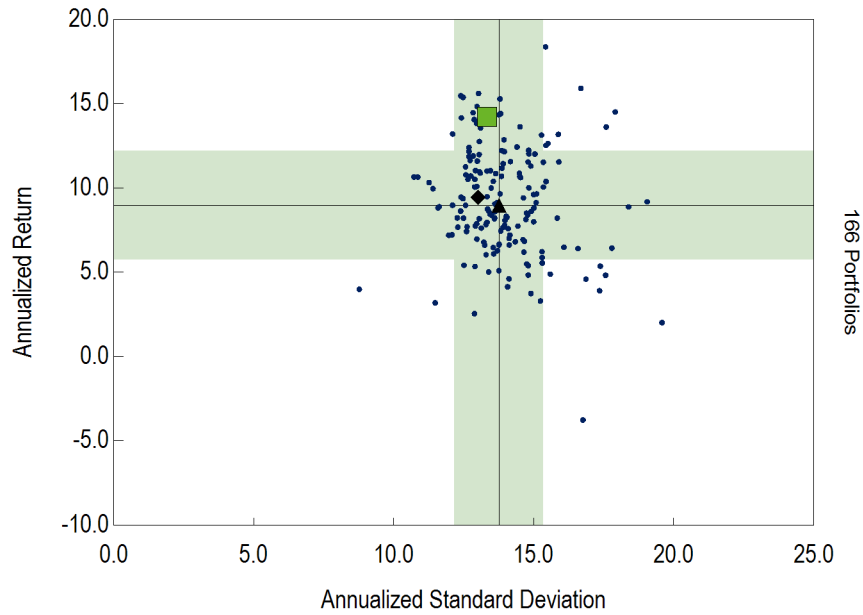
	Return (Rank)									
5th Percentile	9.25		31.92		18.48		20.55		20.70	
25th Percentile	6.09		26.49		13.18		15.18		15.72	
Median	4.32		20.09		6.80		9.71		11.95	
75th Percentile	2.81		17.23		0.61		5.29		9.54	
95th Percentile	0.91		13.45		-5.38		0.99		6.68	
# of Portfolios	178		178		176		175		173	
● Principal Global Investors	9.63	(4)	31.29	(7)	19.72	(4)	17.76	(13)	18.08	(14)
▲ Russell MidCap	4.13	(53)	21.35	(43)	7.82	(46)	10.05	(50)	12.16	(48)



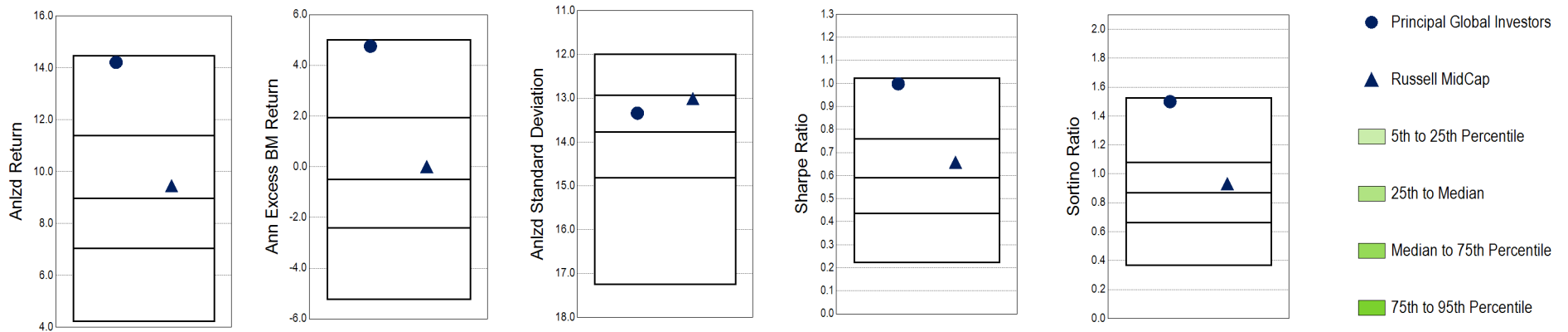
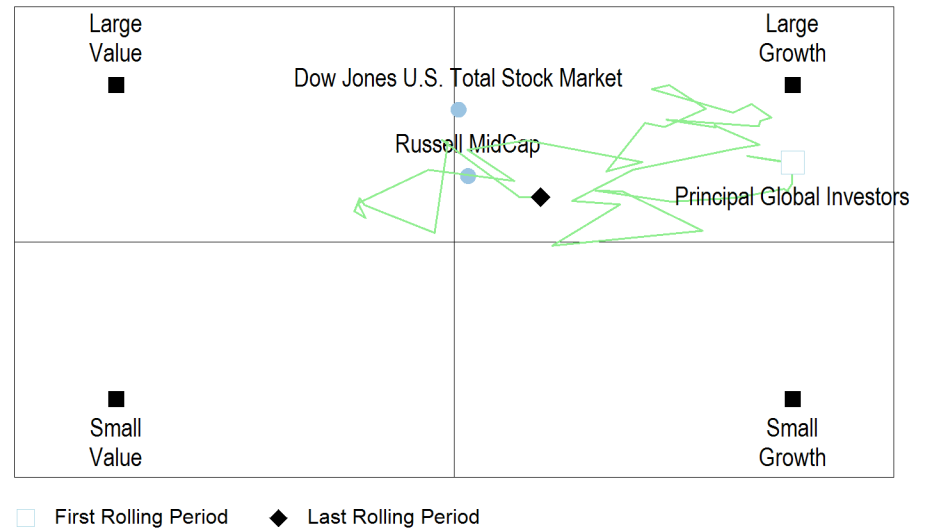
Los Angeles City Employees' Retirement System

PRINCIPAL GLOBAL INVESTORS

Since Inception Risk Return

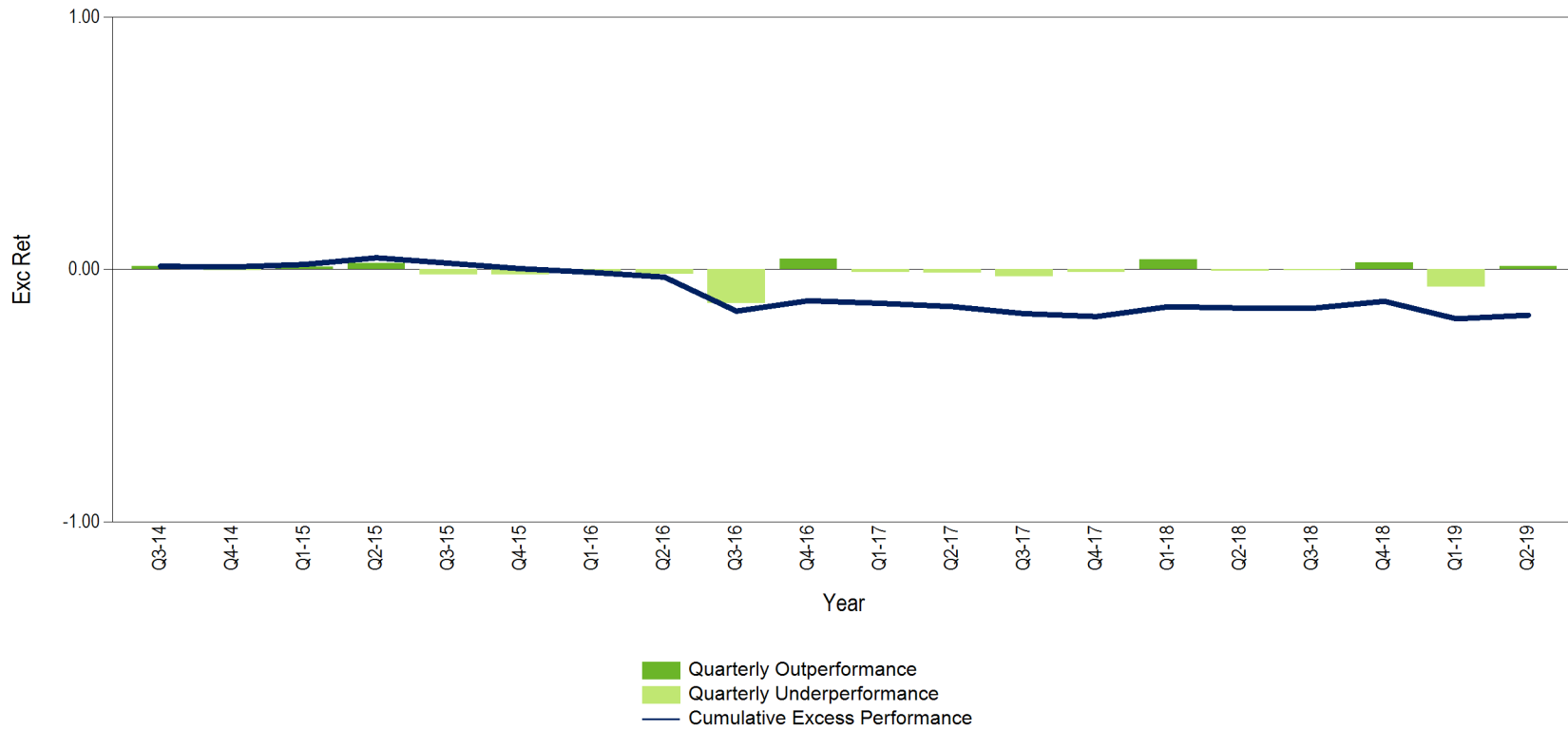


Since Inception Style Map



RHUMBLINE ADVISORS S&P 500

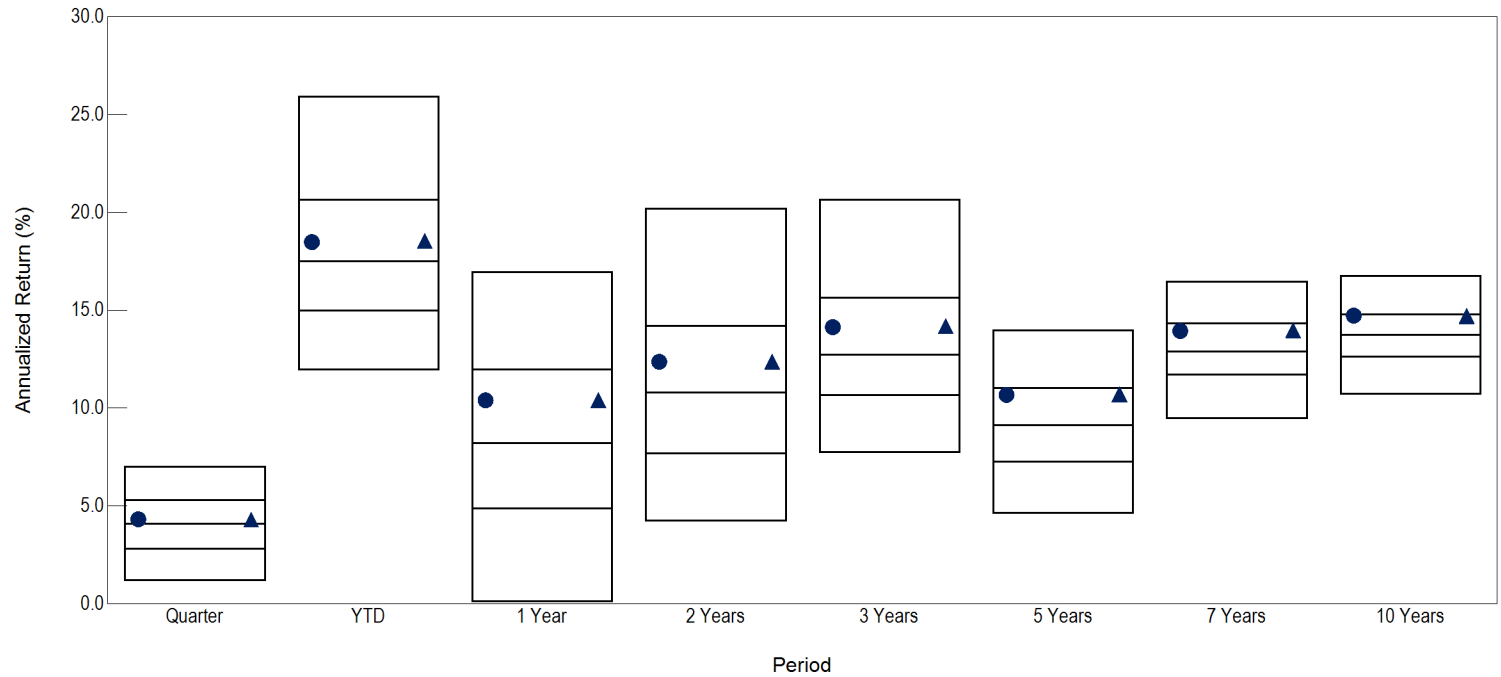
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

RHUMBLINE ADVISORS S&P 500

Rhumbline Advisors S&P 500 vs. eV US Large Cap Equity Net

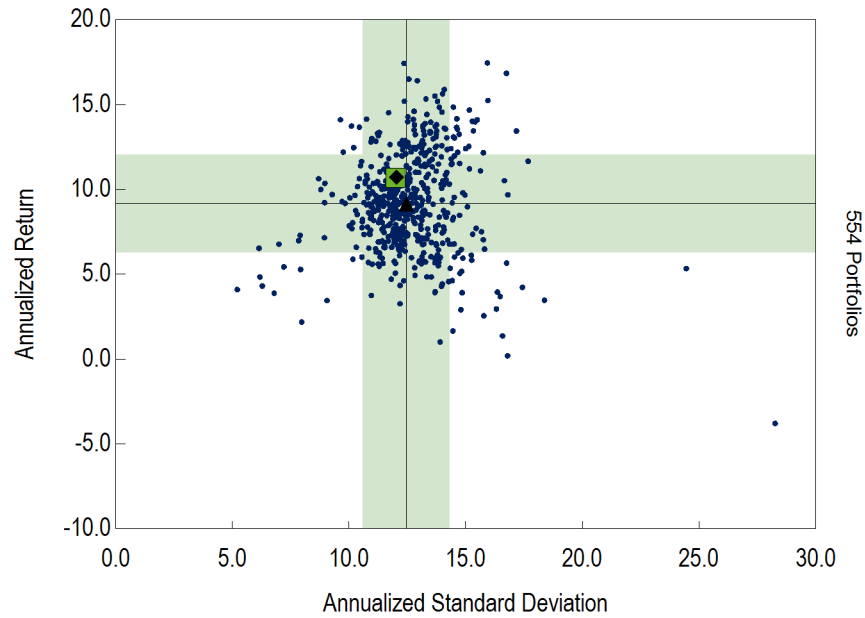


	Return (Rank)																							
5th Percentile	7.00	25.92	16.96	20.20	20.65	13.97	16.47	16.74	4.32	(45)	18.48	(43)	10.40	(38)	12.37	(37)	14.14	(36)	10.68	(29)	13.94	(32)	14.73	(27)
25th Percentile	5.32	20.67	11.99	14.24	15.68	11.07	14.36	14.81	4.30	(46)	18.54	(43)	10.42	(38)	12.38	(37)	14.19	(36)	10.71	(29)	13.98	(31)	14.70	(28)
Median	4.14	17.54	8.23	10.85	12.77	9.16	12.92	13.78																
75th Percentile	2.84	15.02	4.89	7.73	10.69	7.31	11.75	12.65																
95th Percentile	1.24	12.00	0.15	4.29	7.80	4.67	9.53	10.77																
# of Portfolios	618	617	606	599	585	554	505	447																
● Rhumbline Advisors S&P 500	4.32	(45)	18.48	(43)	10.40	(38)	12.37	(37)	14.14	(36)	10.68	(29)	13.94	(32)	14.73	(27)								
▲ S&P 500	4.30	(46)	18.54	(43)	10.42	(38)	12.38	(37)	14.19	(36)	10.71	(29)	13.98	(31)	14.70	(28)								

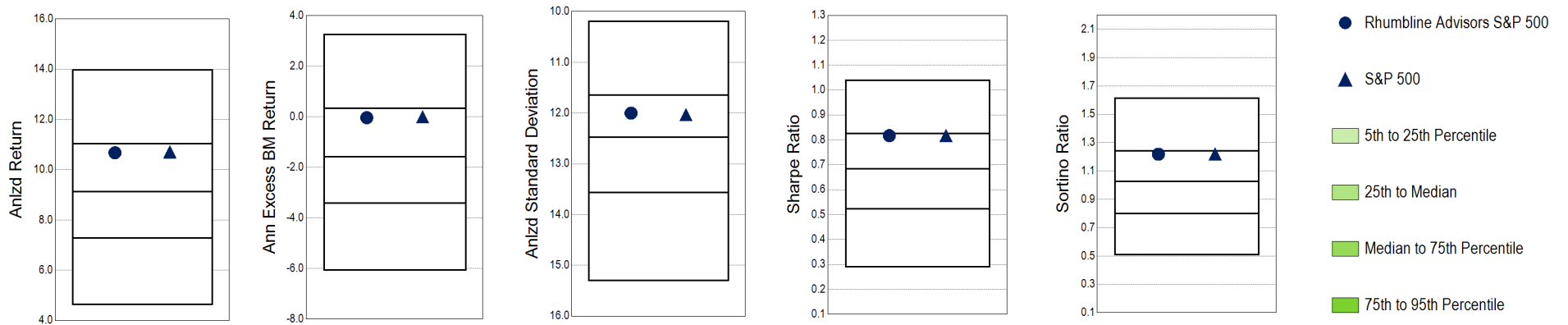
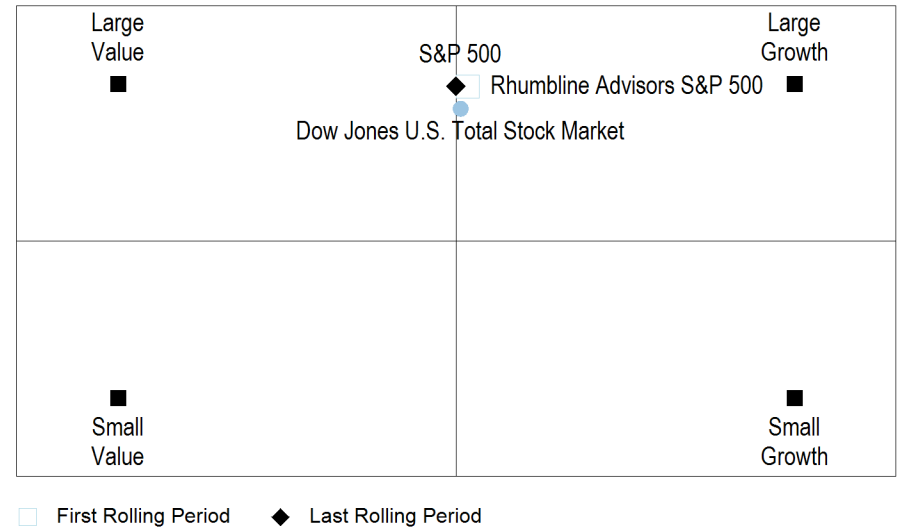


RHUMBLINE ADVISORS S&P 500

5 Year Risk Return

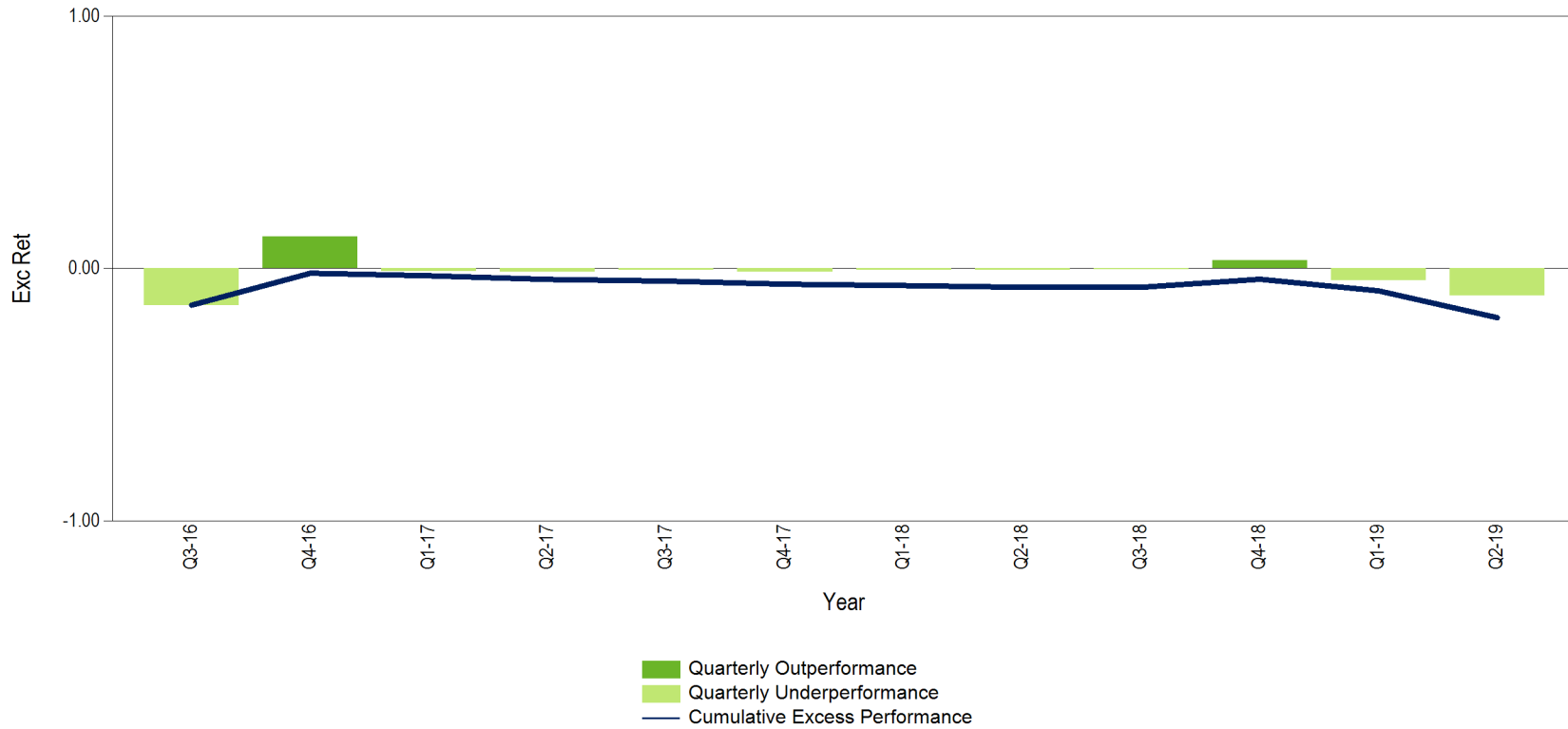


5 Year Style Map



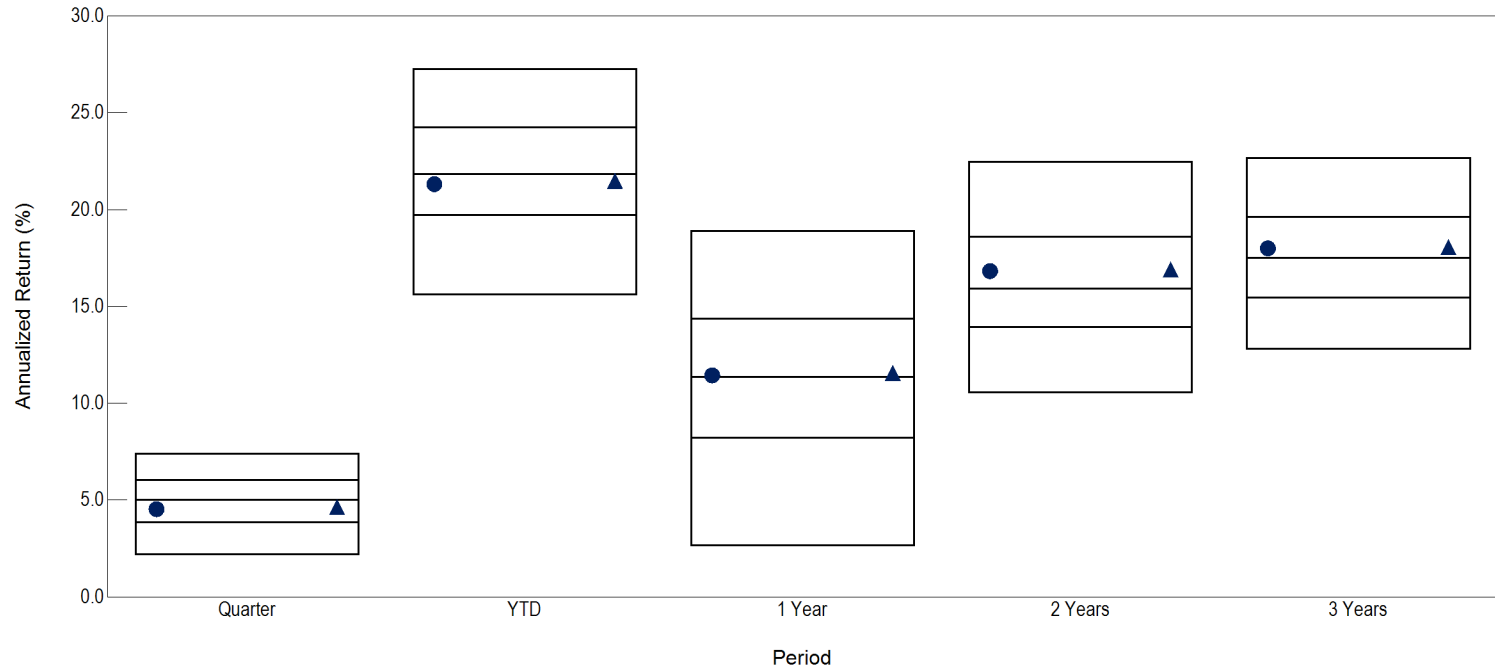
RHUMBLINE ADVISORS RUSSELL 1000 GROWTH

Quarterly and Cumulative Excess Performance



RHUMBLINE ADVISORS RUSSELL 1000 GROWTH

Rhumbline Advisors Russell 1000 Growth vs. eV US Large Cap Growth Equity Net

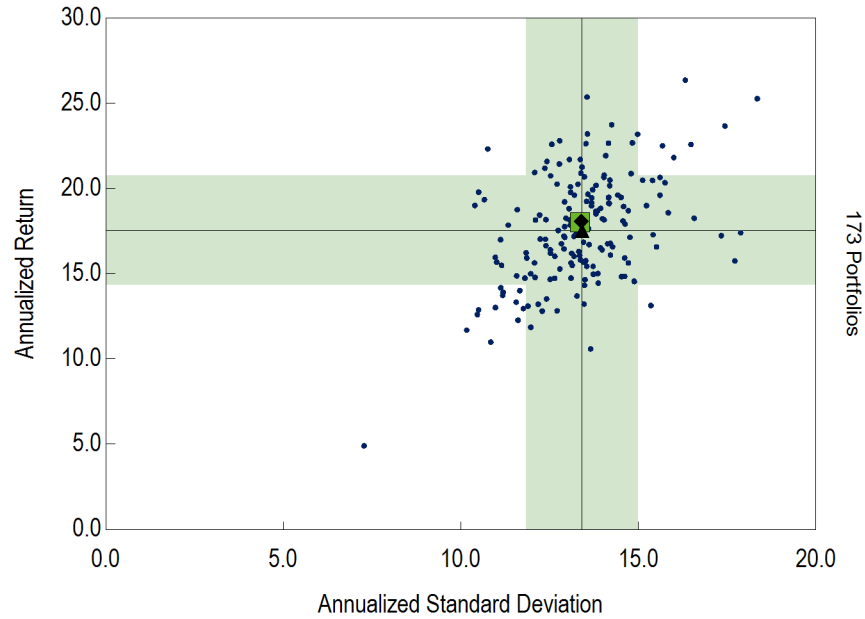


	Return (Rank)									
5th Percentile	7.39		27.26		18.90		22.49		22.66	
25th Percentile	6.09		24.28		14.40		18.62		19.66	
Median	5.06		21.88		11.40		15.97		17.53	
75th Percentile	3.89		19.75		8.25		13.98		15.49	
95th Percentile	2.24		15.66		2.69		10.60		12.85	
# of Portfolios	184		184		181		178		173	
● Rhumbline Advisors Russell 1000 Growth	4.53	(63)	21.32	(55)	11.44	(50)	16.83	(42)	18.00	(46)
▲ Russell 1000 Growth	4.64	(60)	21.49	(52)	11.56	(49)	16.91	(40)	18.07	(46)

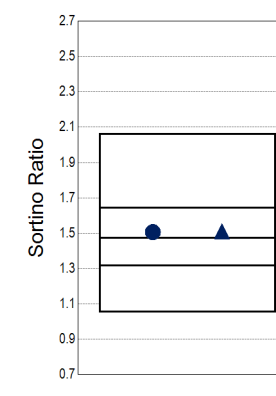
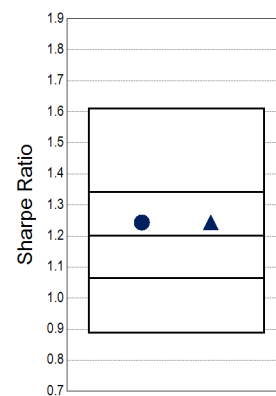
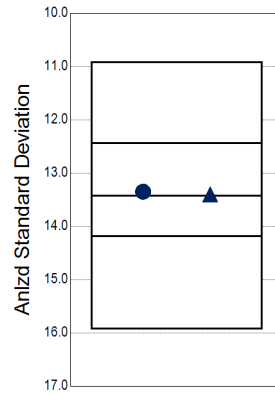
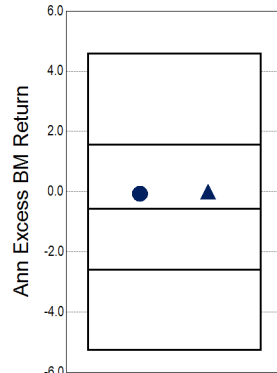
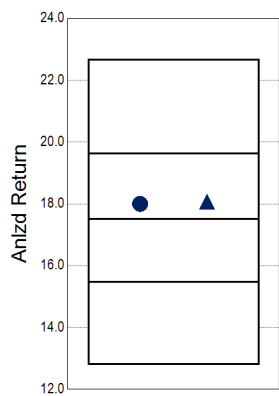
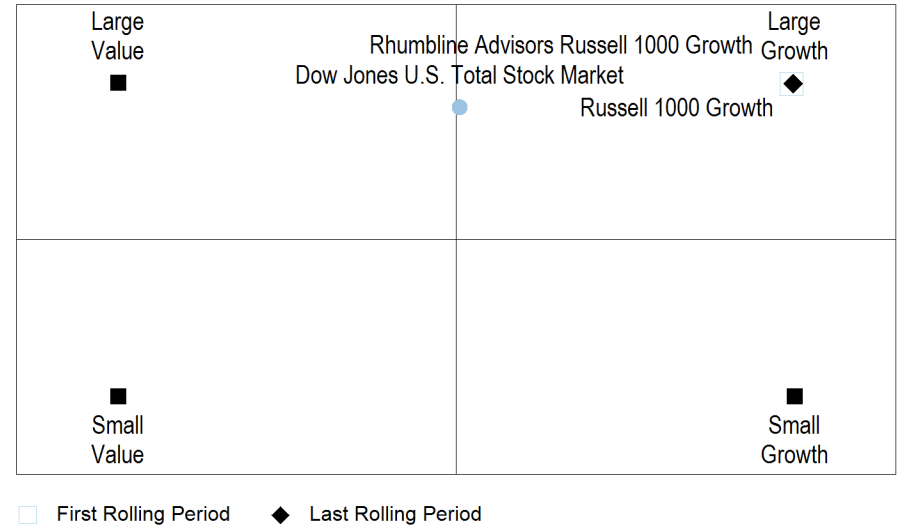


RHUMBLINE ADVISORS RUSSELL 1000 GROWTH

3 Year Risk Return



3 Year Style Map

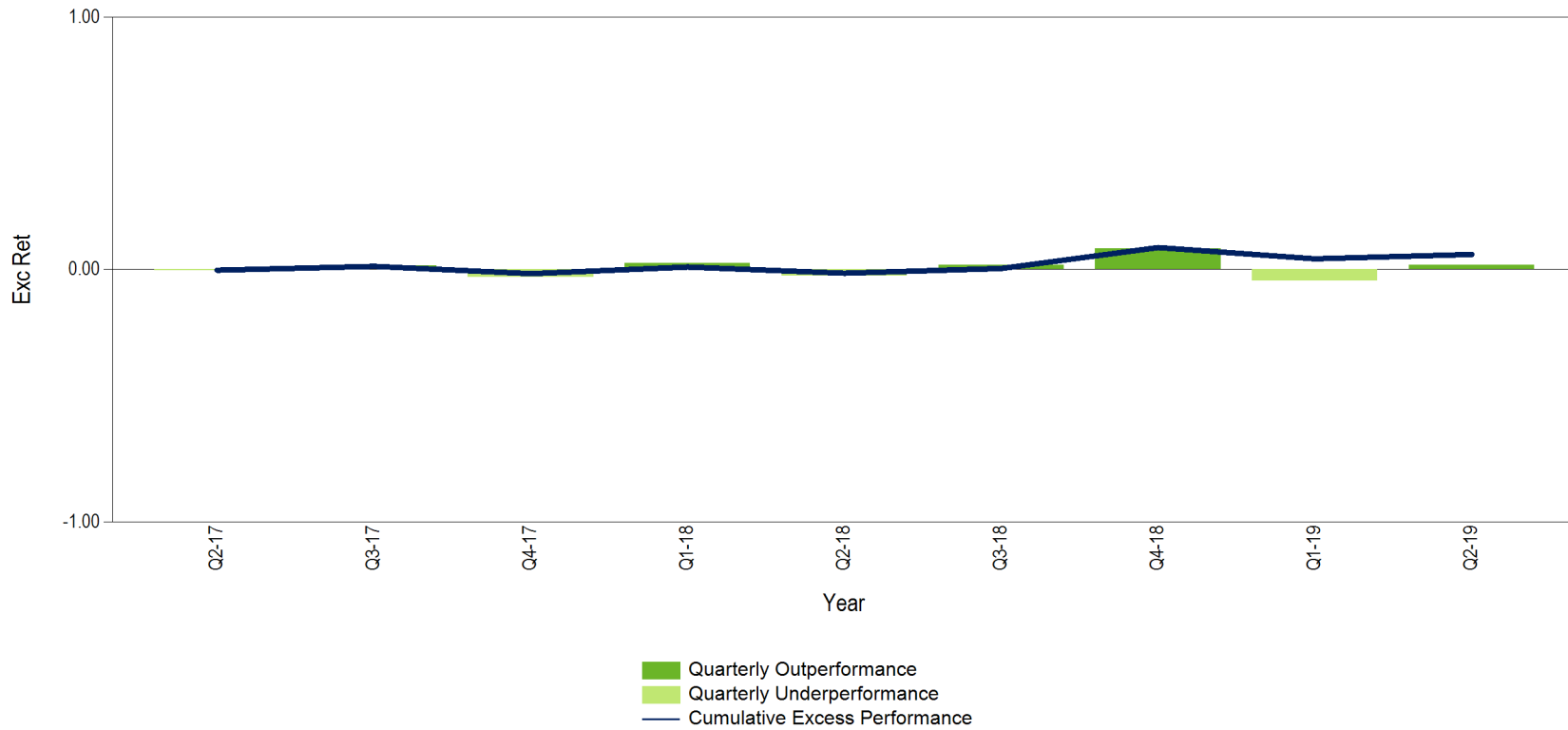


- Rhumbline Advisors Russell 1000 Growth
- ▲ Russell 1000 Growth
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



RHUMBLINE ADVISORS RUSSELL 2000

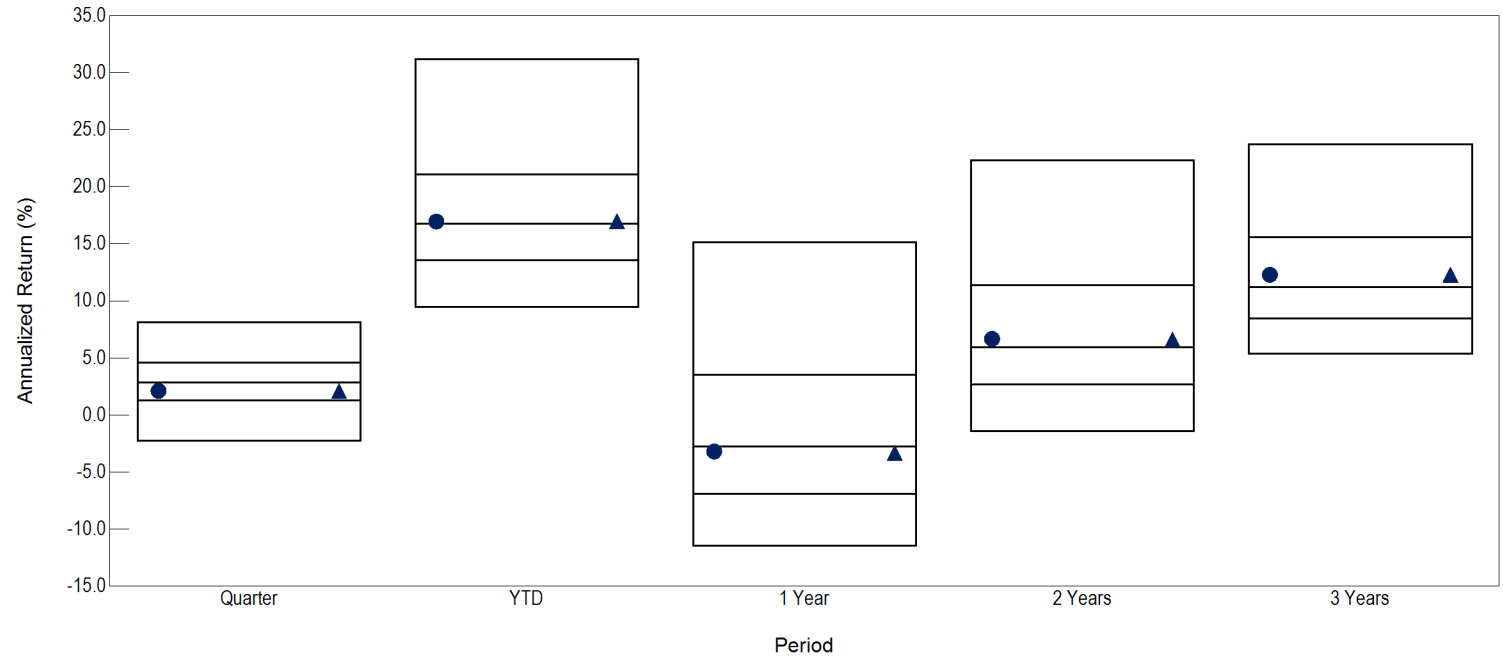
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

RHUMBLINE ADVISORS RUSSELL 2000

Rhumbline Advisors Russell 2000 vs. eV US Small Cap Equity Net

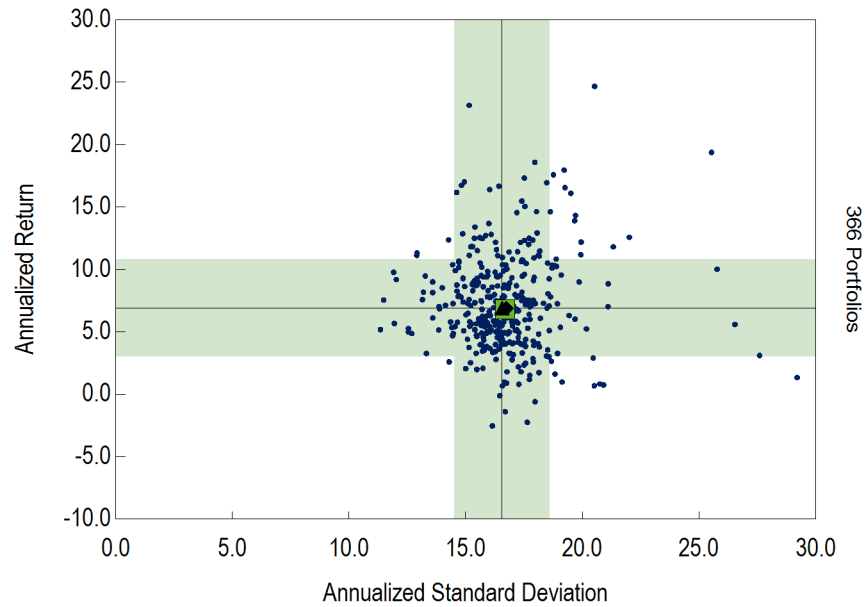


	Return (Rank)									
5th Percentile	8.11		31.19		15.12		22.34		23.74	
25th Percentile	4.62		21.12		3.56		11.46		15.63	
Median	2.90		16.81		-2.72		6.00		11.25	
75th Percentile	1.30		13.61		-6.86		2.71		8.49	
95th Percentile	-2.19		9.54		-11.42		-1.39		5.41	
# of Portfolios	398		398		392		387		376	
● Rhumbline Advisors Russell 2000	2.11	(62)	16.96	(50)	-3.21	(53)	6.67	(48)	12.29	(42)
▲ Russell 2000	2.10	(63)	16.98	(50)	-3.31	(54)	6.62	(48)	12.30	(41)

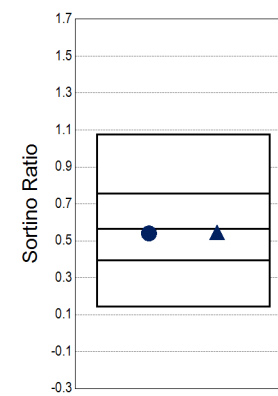
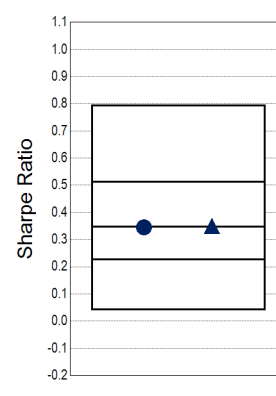
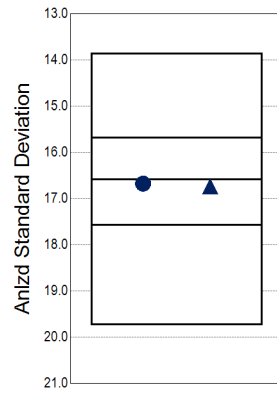
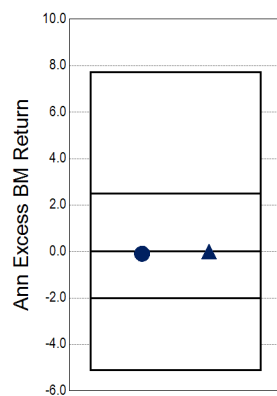
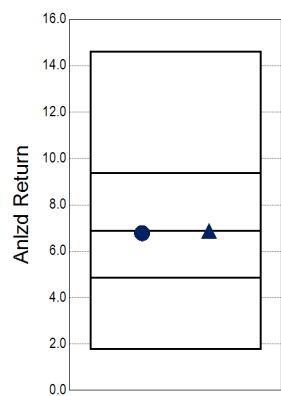
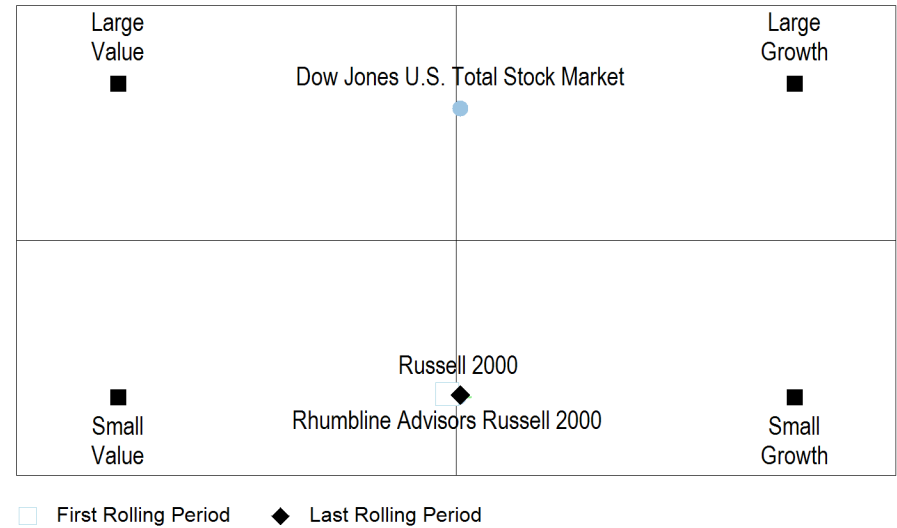


RHUMBLINE ADVISORS RUSSELL 2000

Since Inception Risk Return



Since Inception Style Map

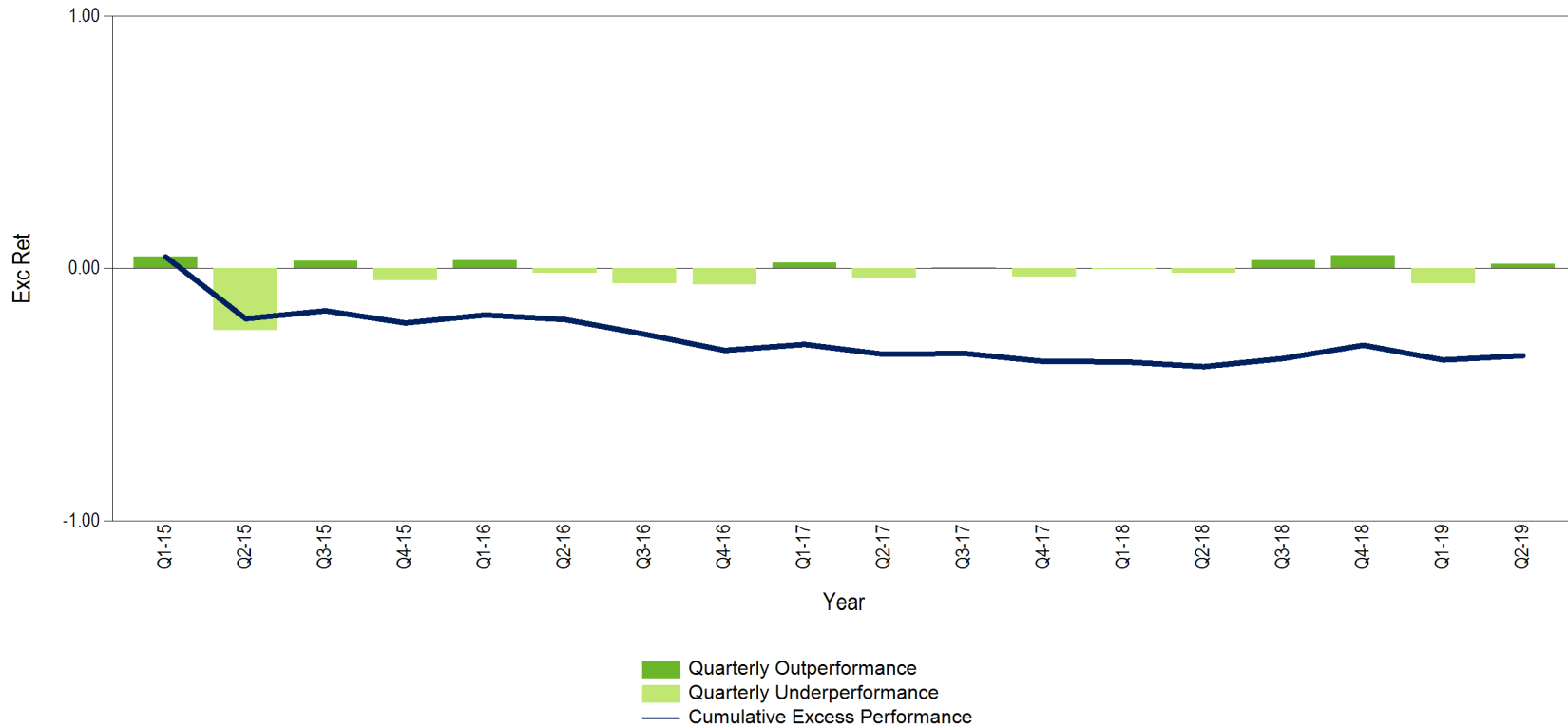


- Rhumbline Advisors Russell 2000
- ▲ Russell 2000
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



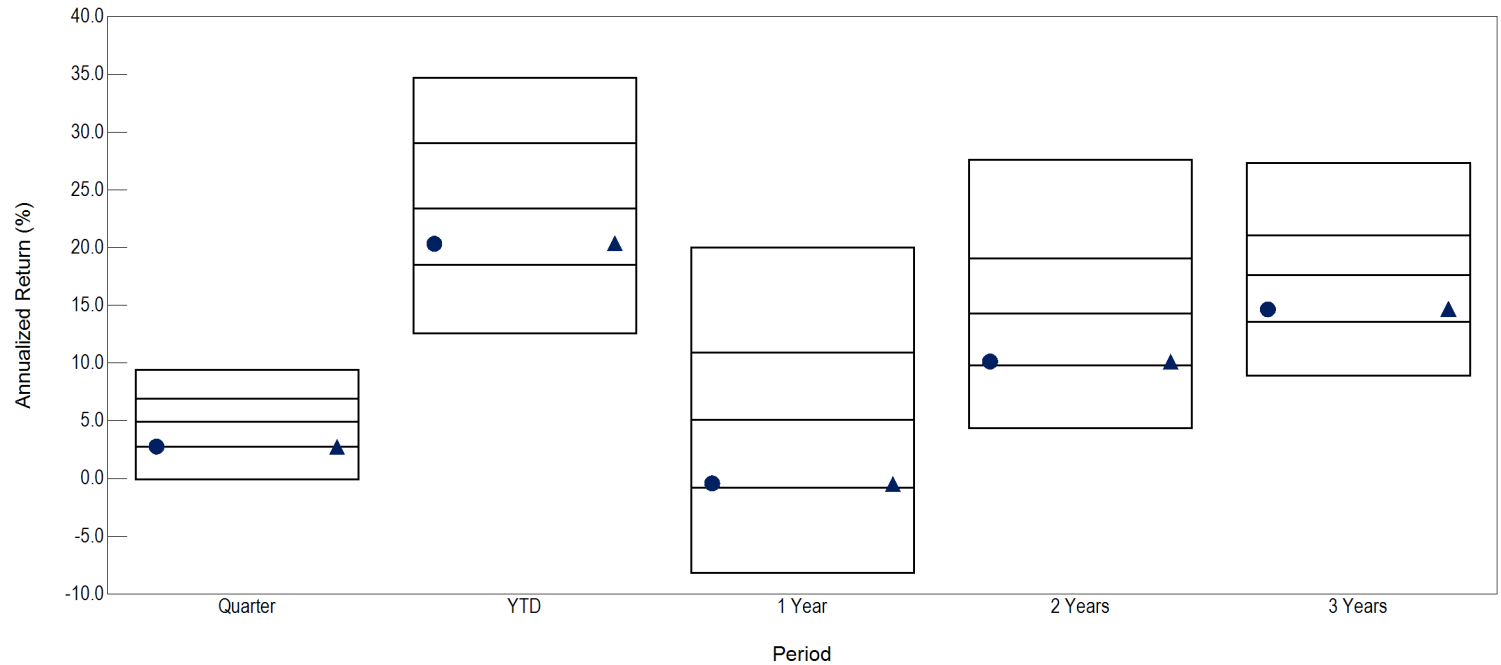
RHUMBLINE ADVISORS RUSSELL 2000 GROWTH

Quarterly and Cumulative Excess Performance



RHUMBLINE ADVISORS RUSSELL 2000 GROWTH

Rhumbline Advisors Russell 2000 Growth vs. eV US Small Cap Growth Equity Net

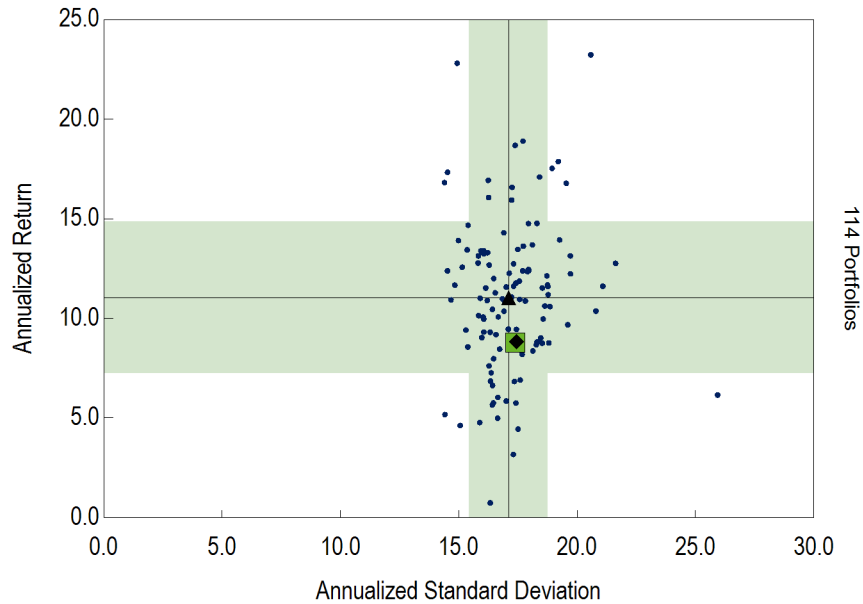


	Return (Rank)									
5th Percentile	9.43		34.68		19.98		27.57		27.34	
25th Percentile	6.96		29.08		10.98		19.09		21.13	
Median	4.99		23.44		5.12		14.32		17.68	
75th Percentile	2.81		18.57		-0.72		9.84		13.62	
95th Percentile	0.00		12.64		-8.15		4.40		8.95	
# of Portfolios	126		126		124		124		121	
● Rhumbline Advisors Russell 2000 Growth	2.77	(77)	20.32	(65)	-0.43	(73)	10.13	(75)	14.65	(70)
▲ Russell 2000 Growth	2.75	(77)	20.36	(65)	-0.49	(74)	10.12	(75)	14.69	(70)

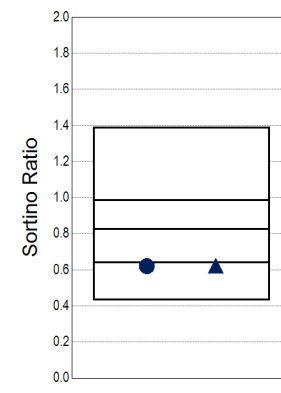
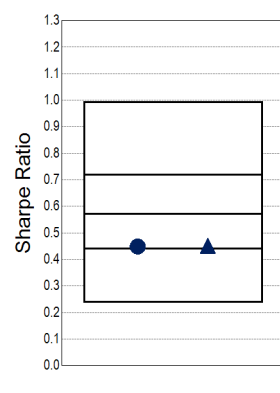
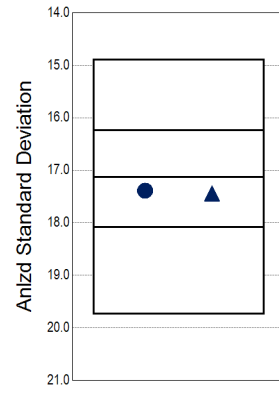
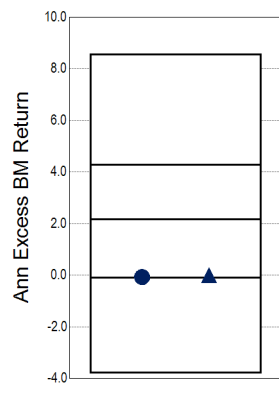
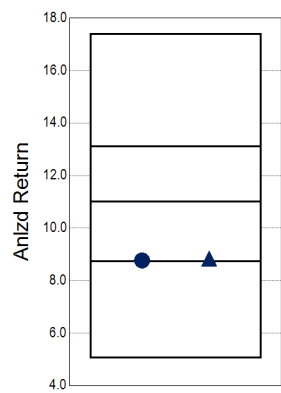
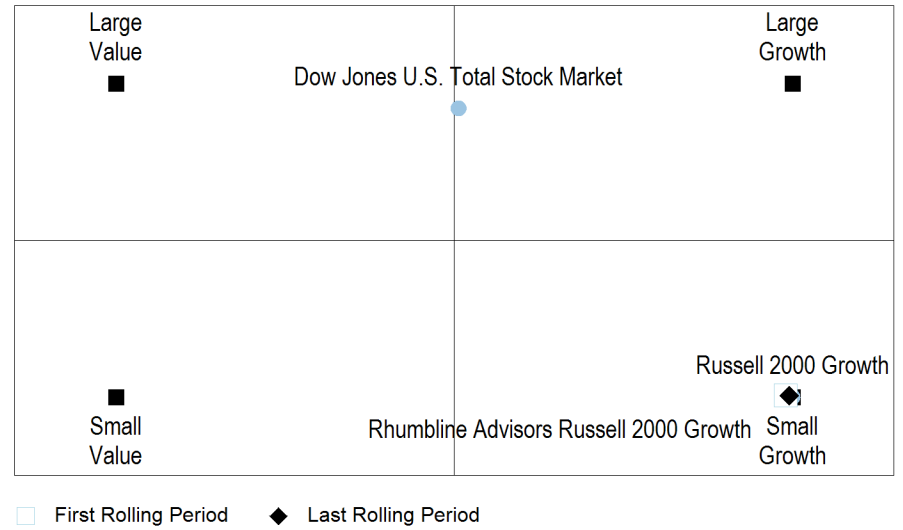


RHUMBLINE ADVISORS RUSSELL 2000 GROWTH

Since Inception Risk Return



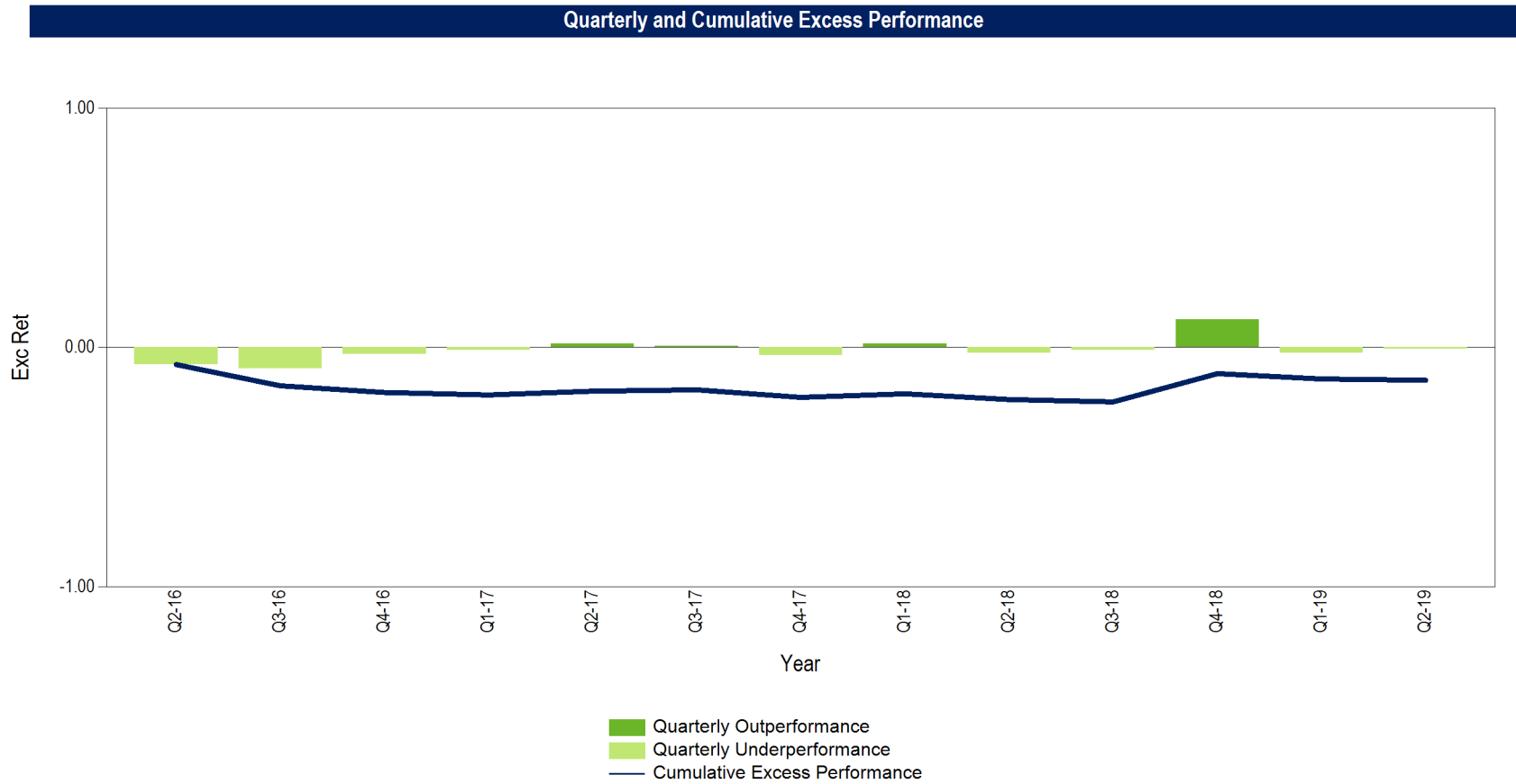
Since Inception Style Map



- Rhumbline Advisors Russell 2000 Growth
- ▲ Russell 2000 Growth
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile

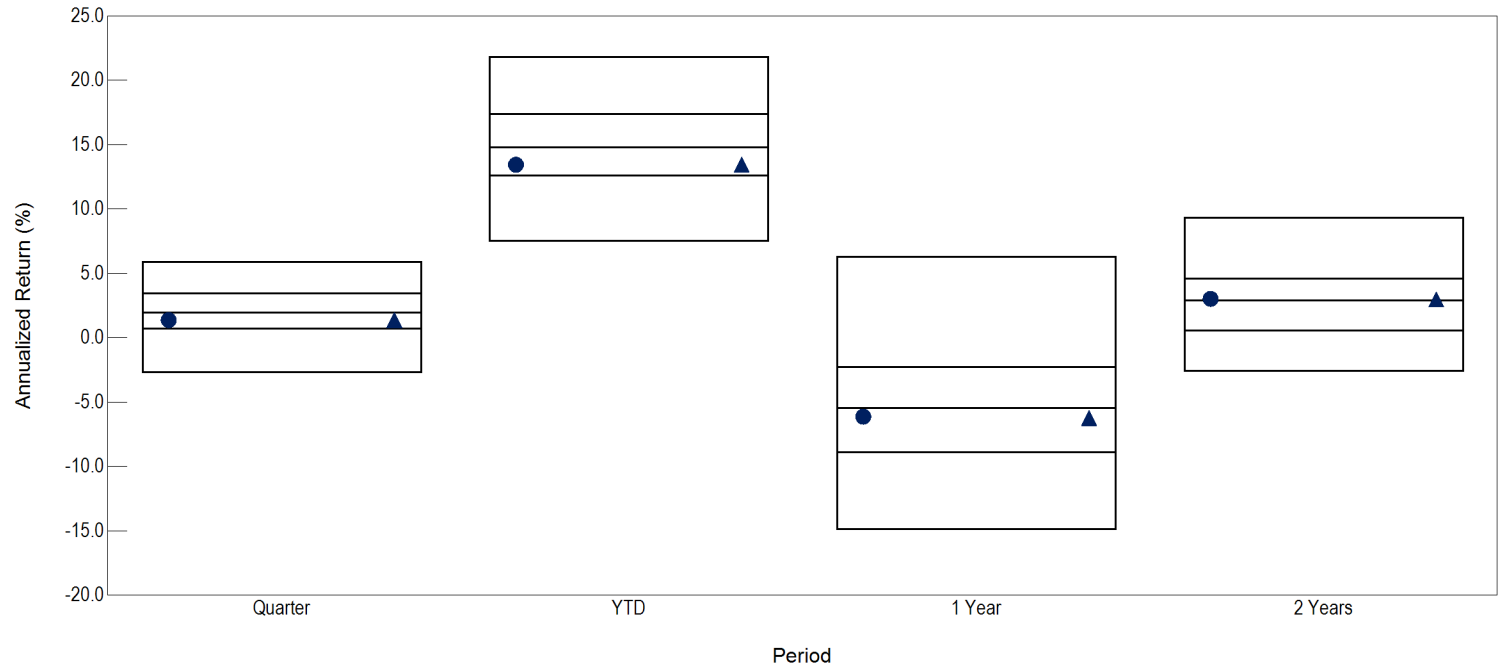


RHUMBLINE ADVISORS RUSSELL 2000 VALUE



RHUMBLINE ADVISORS RUSSELL 2000 VALUE

Rhumbline Advisors Russell 2000 Value vs. eV US Small Cap Value Equity Net

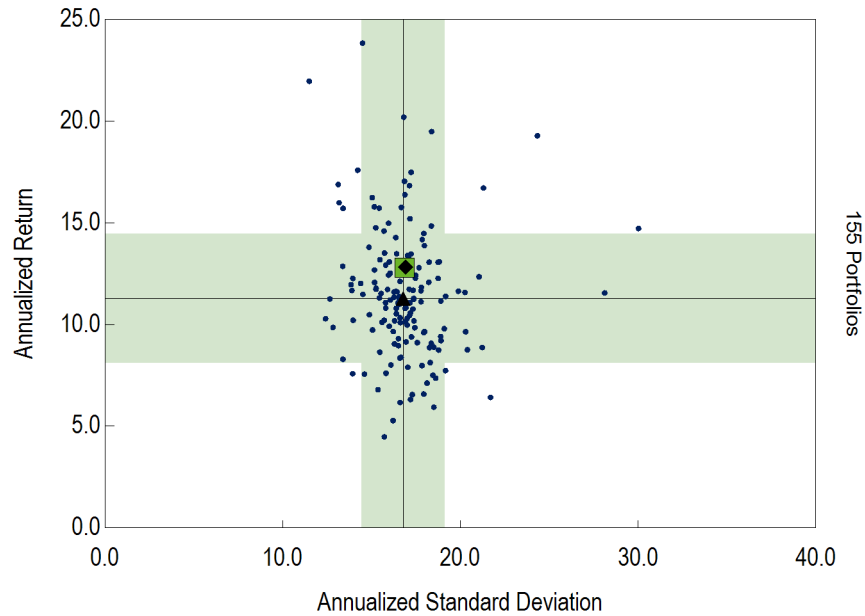


	Return (Rank)							
5th Percentile	5.89		21.82		6.30		9.34	
25th Percentile	3.48		17.43		-2.21		4.62	
Median	2.03		14.84		-5.43		2.95	
75th Percentile	0.76		12.68		-8.82		0.62	
95th Percentile	-2.61		7.56		-14.81		-2.54	
# of Portfolios	164		164		161		160	
● Rhumbline Advisors Russell 2000 Value	1.37	(66)	13.44	(67)	-6.13	(57)	3.02	(50)
▲ Russell 2000 Value	1.37	(66)	13.47	(67)	-6.24	(57)	2.98	(50)

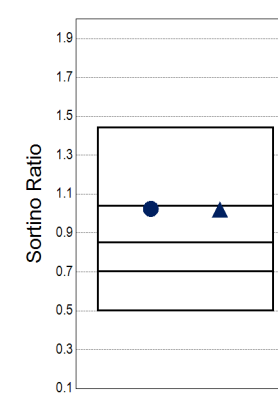
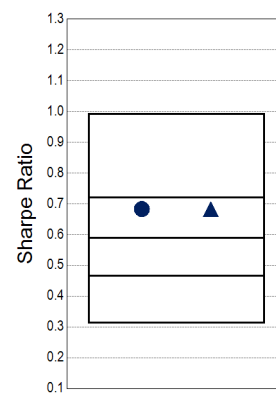
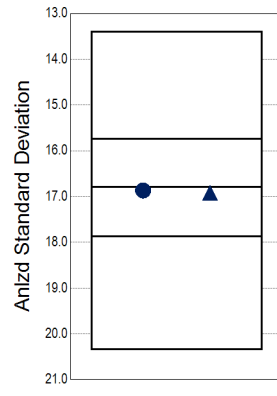
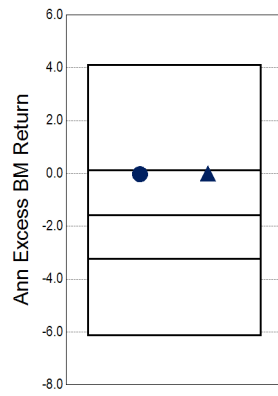
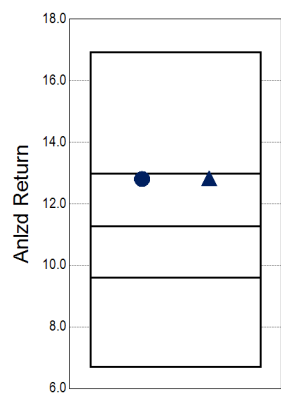
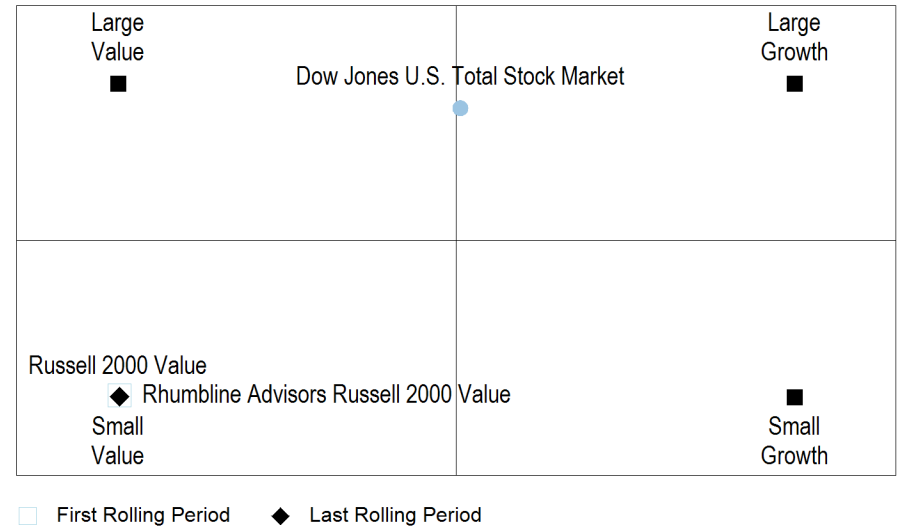


RHUMBLINE ADVISORS RUSSELL 2000 VALUE

Since Inception Risk Return



Since Inception Style Map



- Rhumbline Advisors Russell 2000 Value
- ▲ Russell 2000 Value
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



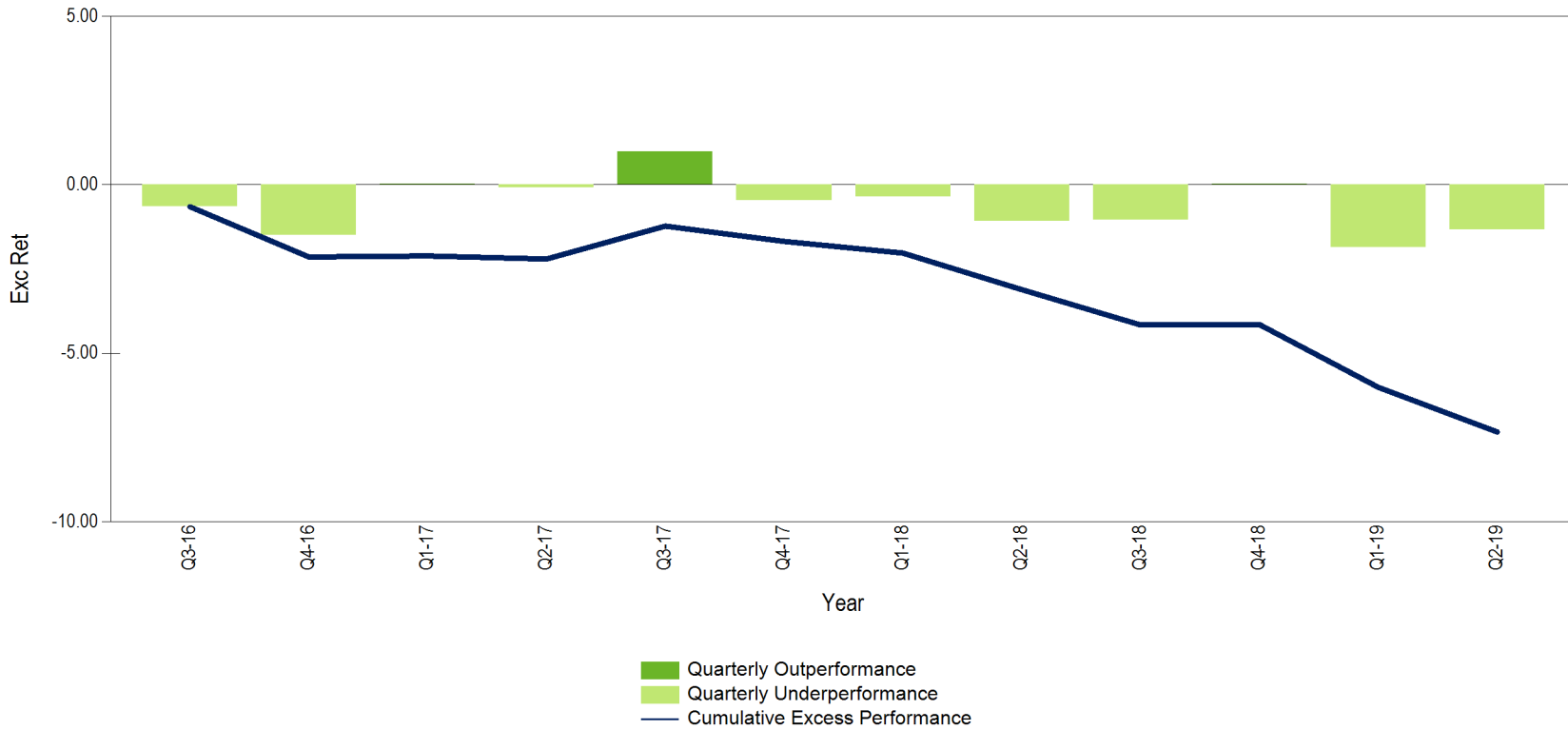
NON-U.S. EQUITY MANAGER PERFORMANCE

NEPC, LLC

Los Angeles City Employees' Retirement System

AQR CAPITAL

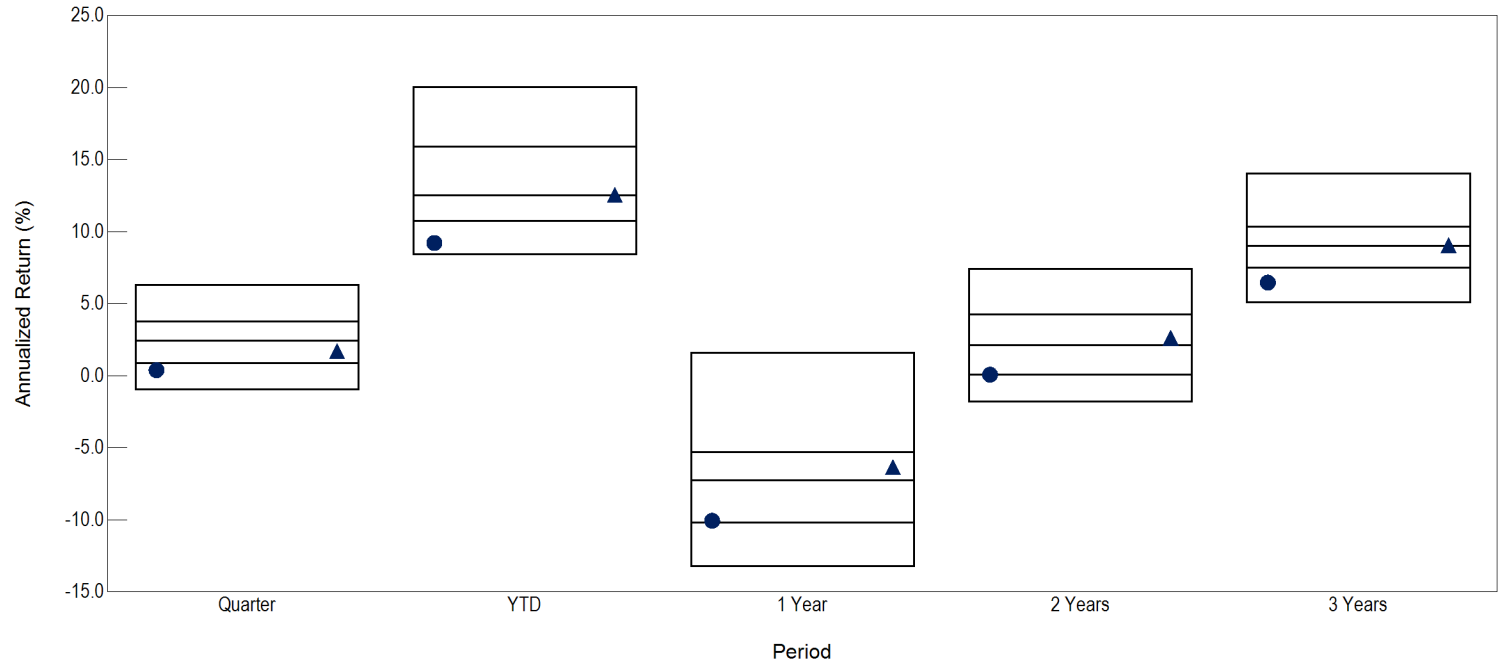
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

AQR CAPITAL

AQR Capital vs. eV EAFE Small Cap Equity Net



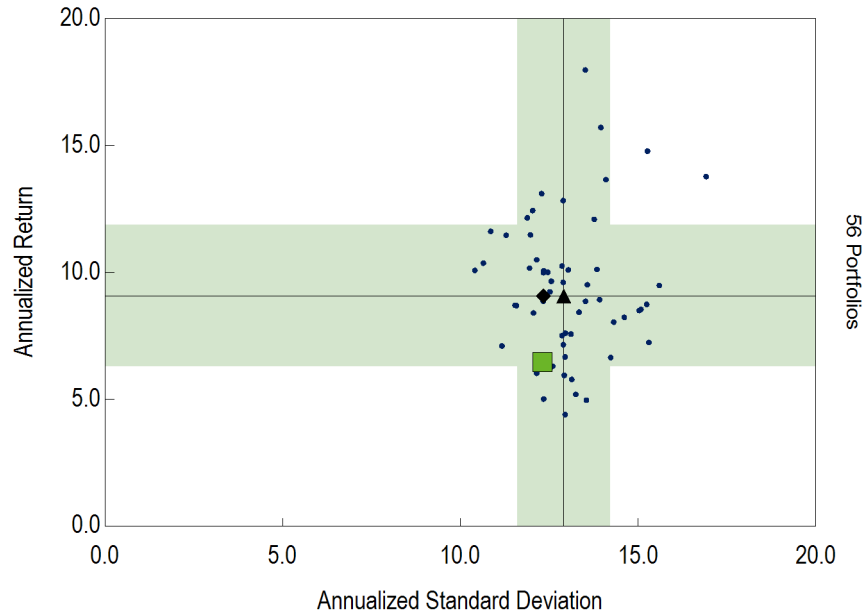
	Return (Rank)									
5th Percentile	6.28		20.05		1.57		7.39		14.02	
25th Percentile	3.83		15.93		-5.28		4.32		10.39	
Median	2.46		12.57		-7.24		2.15		9.07	
75th Percentile	0.92		10.80		-10.13		0.12		7.55	
95th Percentile	-0.89		8.49		-13.19		-1.73		5.14	
# of Portfolios	58		58		58		57		56	
● AQR Capital	0.38	(86)	9.21	(93)	-10.07	(75)	0.07	(76)	6.46	(87)
▲ MSCI EAFE Small Cap	1.71	(63)	12.55	(53)	-6.35	(32)	2.62	(42)	9.06	(51)



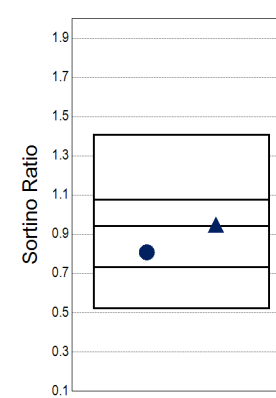
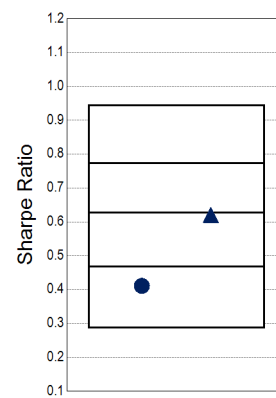
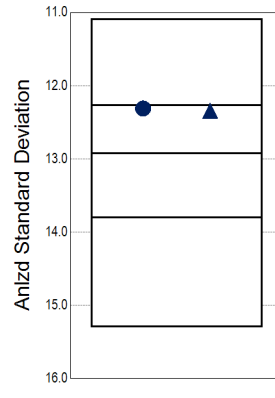
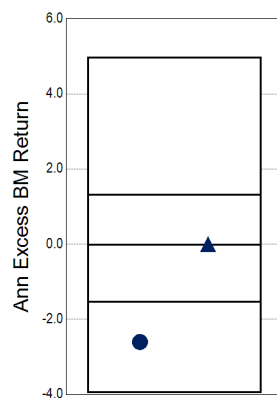
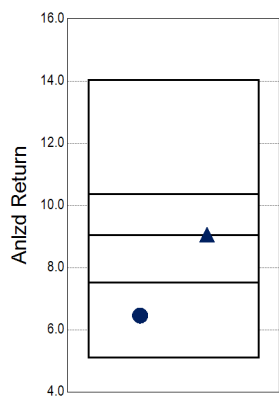
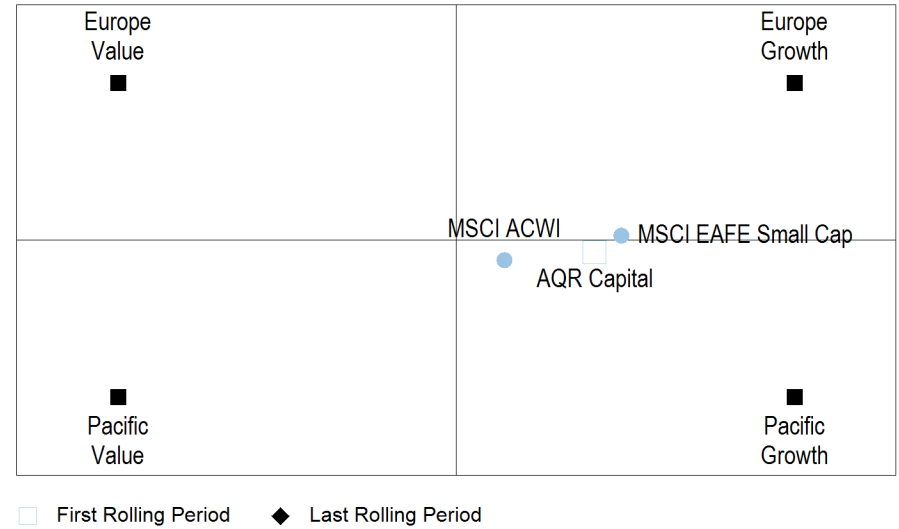
Los Angeles City Employees' Retirement System

AQR CAPITAL

3 Year Risk Return



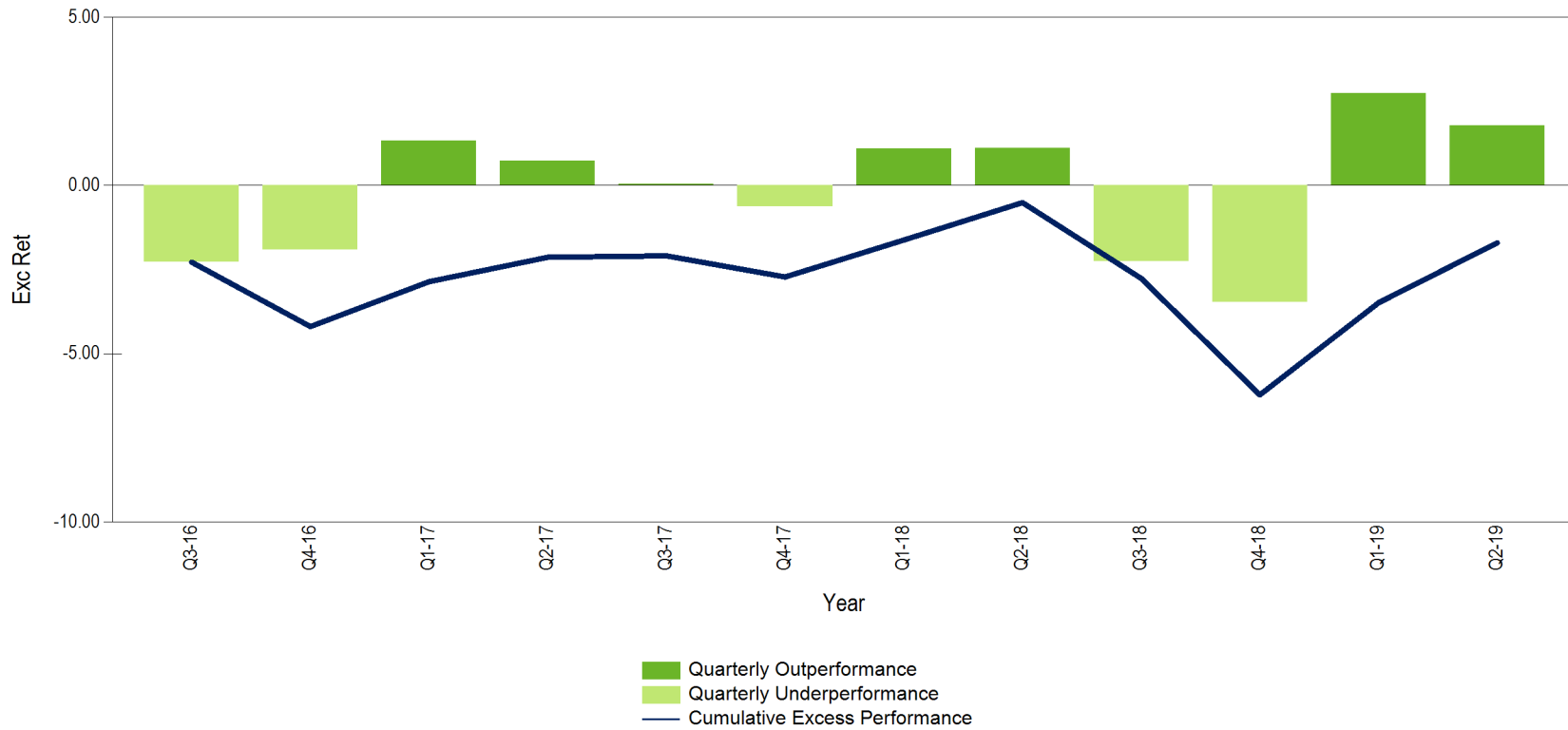
3 Year Style Map



- AQR Capital
- ▲ MSCI EAFE Small Cap
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



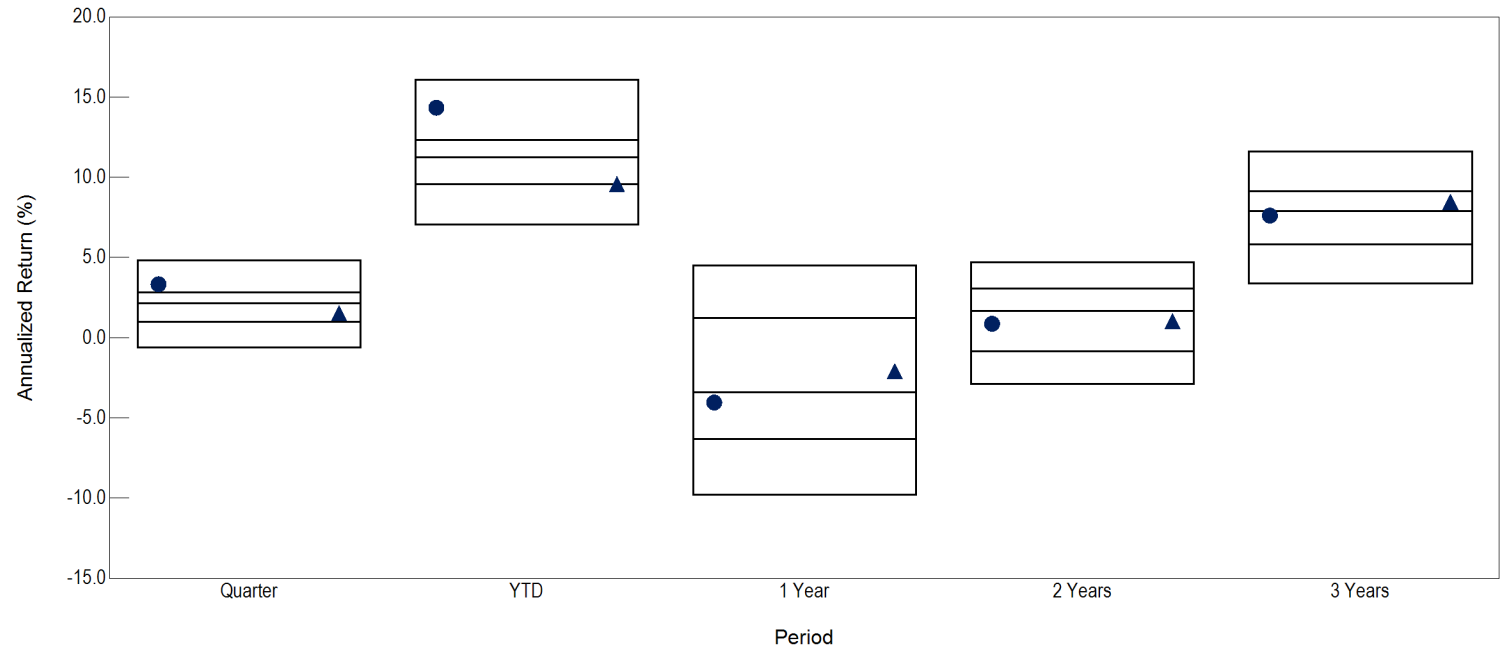
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

BARROW HANLEY

Barrow Hanley vs. eV EAFE Value Equity Net



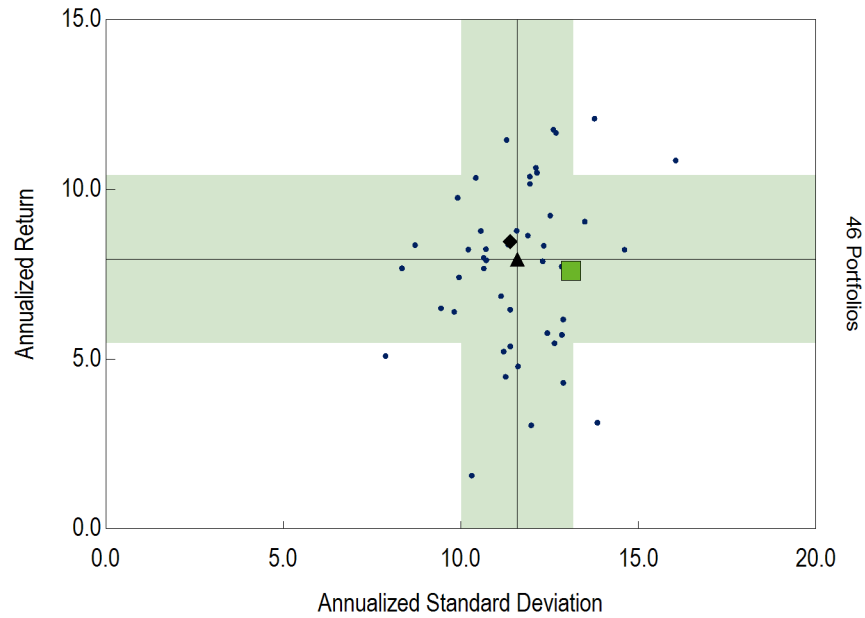
	Return (Rank)									
5th Percentile	4.81		16.09		4.48		4.71		11.61	
25th Percentile	2.85		12.36		1.28		3.08		9.18	
Median	2.20		11.28		-3.37		1.71		7.95	
75th Percentile	1.01		9.60		-6.27		-0.80		5.87	
95th Percentile	-0.58		7.11		-9.76		-2.87		3.42	
# of Portfolios	51		51		49		47		46	
● Barrow Hanley	3.33	(23)	14.33	(10)	-4.04	(57)	0.86	(60)	7.60	(61)
▲ MSCI EAFE Value	1.54	(66)	9.58	(76)	-2.10	(36)	1.03	(60)	8.46	(35)



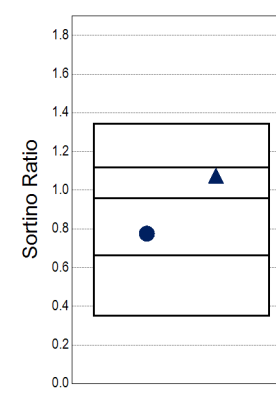
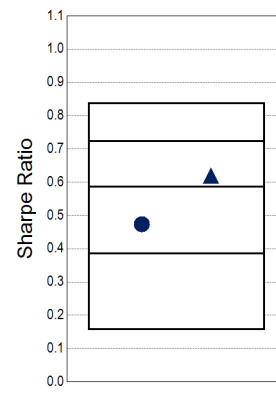
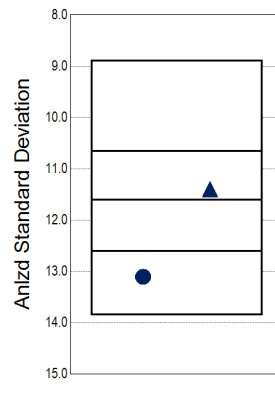
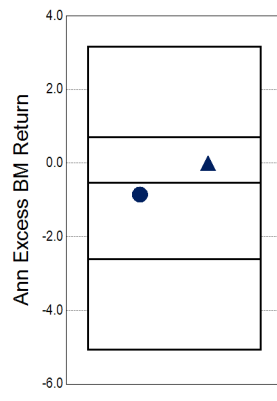
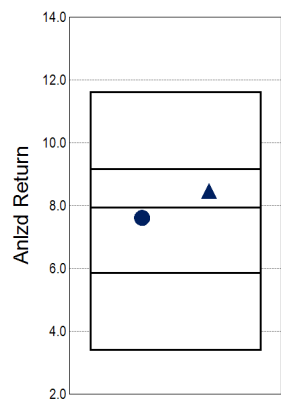
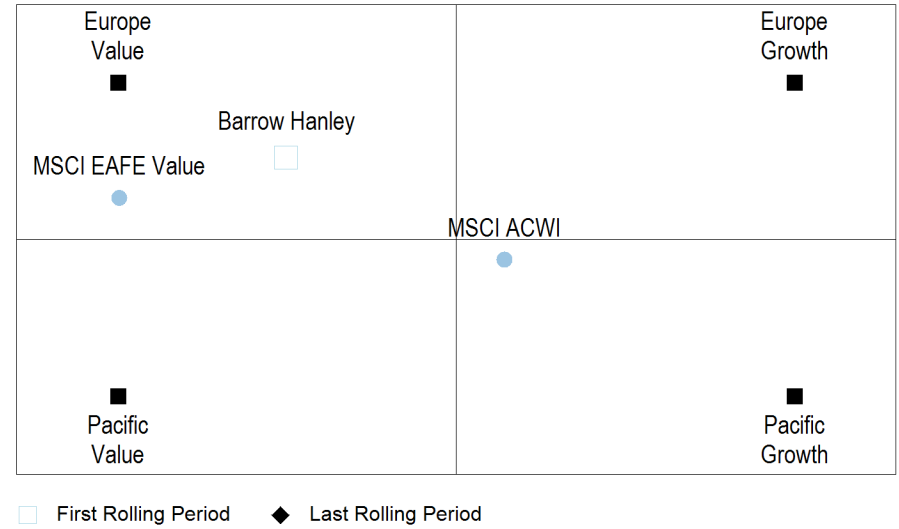
Los Angeles City Employees' Retirement System

BARROW HANLEY

3 Year Risk Return



3 Year Style Map



- Barrow Hanley
- ▲ MSCI EAFE Value
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



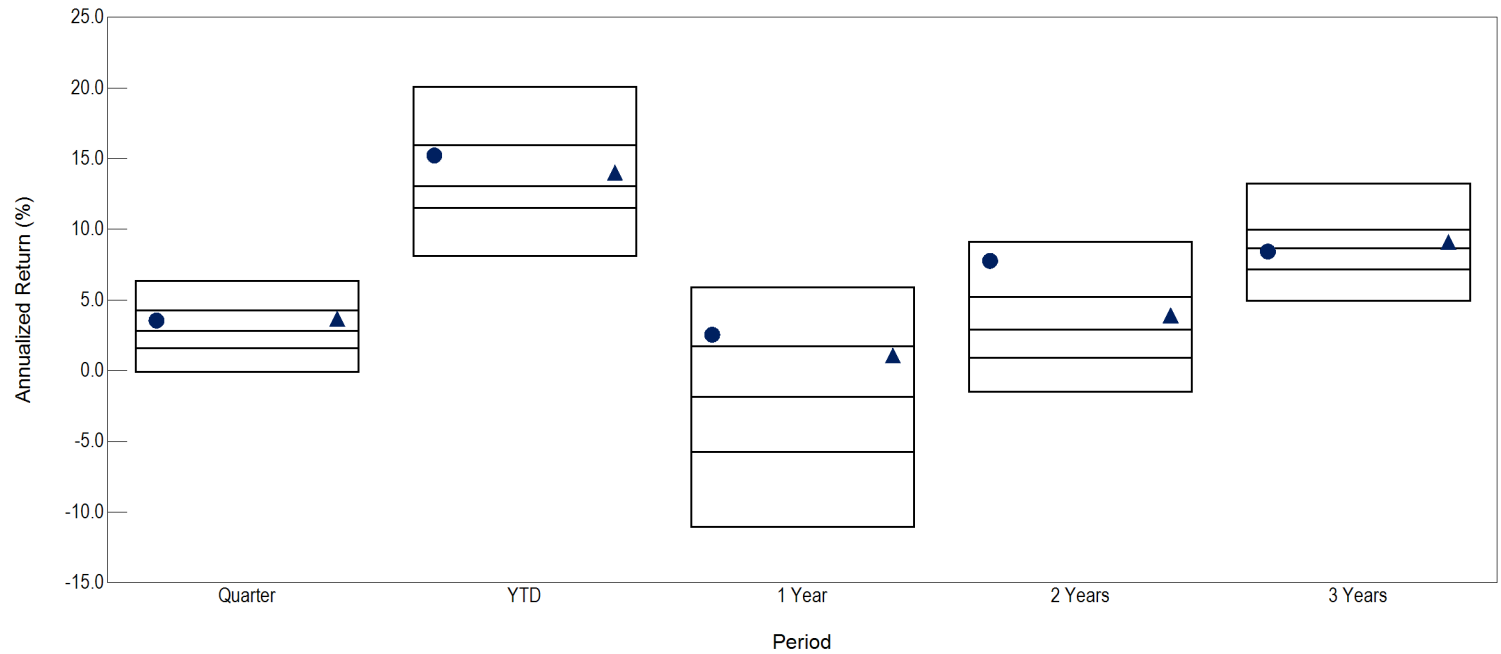
LAZARD ASSET MANAGEMENT

Quarterly and Cumulative Excess Performance



LAZARD ASSET MANAGEMENT

Lazard Asset Management vs. eV All EAFE Equity Net

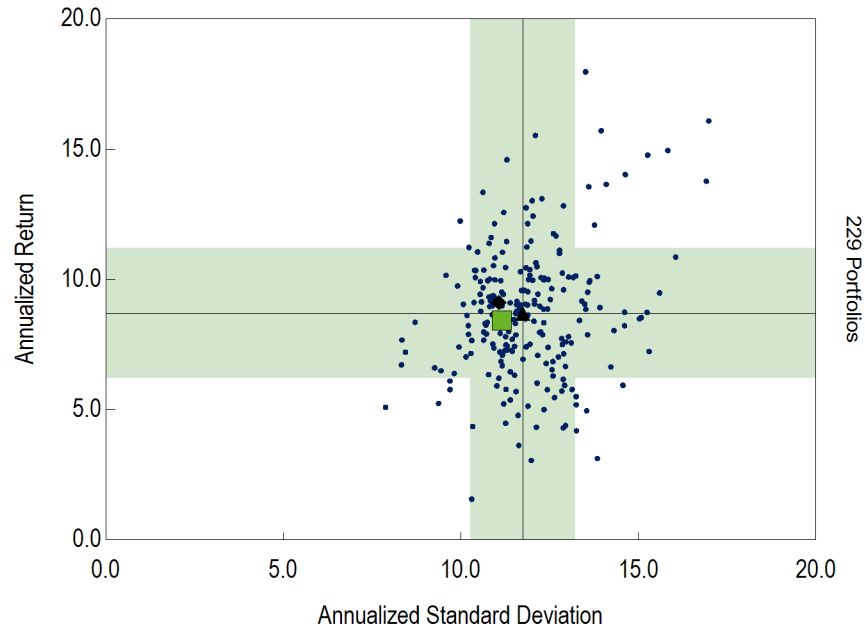


	Return (Rank)		Return (Rank)		Return (Rank)		Return (Rank)		Return (Rank)	
5th Percentile	6.37	(40)	20.06	(30)	5.88	(21)	9.10	(10)	13.25	(55)
25th Percentile	4.33	(38)	16.01	(43)	1.78	(31)	5.28	(39)	10.00	(41)
Median	2.85		13.11		-1.81		2.96		8.70	
75th Percentile	1.64		11.54		-5.68		0.96		7.21	
95th Percentile	-0.04		8.18		-10.97		-1.46		4.98	
# of Portfolios	248		247		240		236		229	
● Lazard Asset Management	3.55	(40)	15.23	(30)	2.55	(21)	7.77	(10)	8.43	(55)
▲ MSCI EAFE	3.68	(38)	14.03	(43)	1.08	(31)	3.92	(39)	9.11	(41)

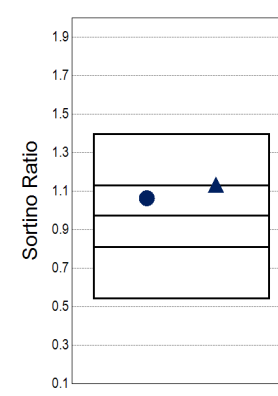
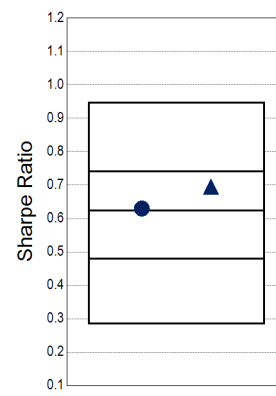
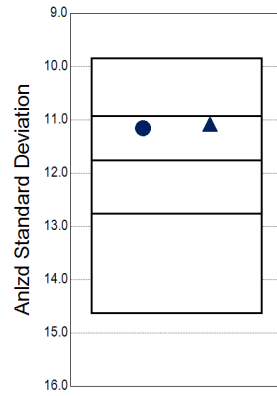
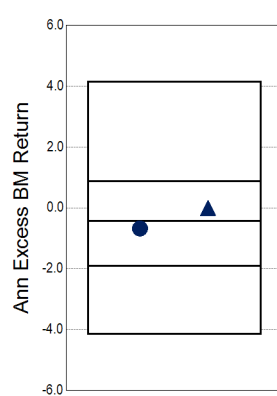
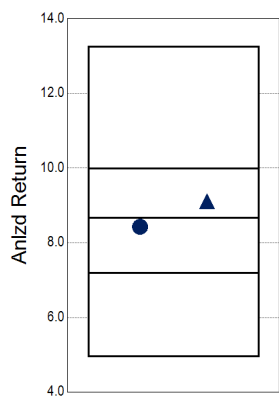
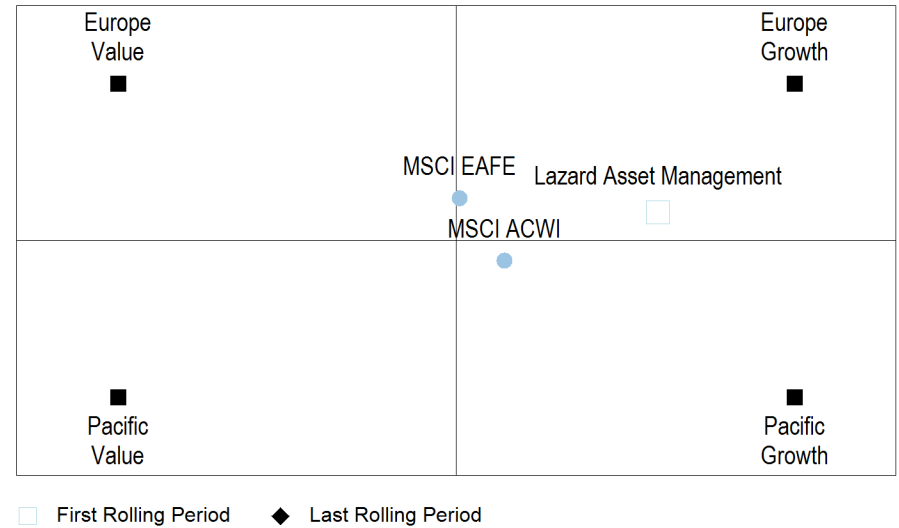


LAZARD ASSET MANAGEMENT

3 Year Risk Return



3 Year Style Map

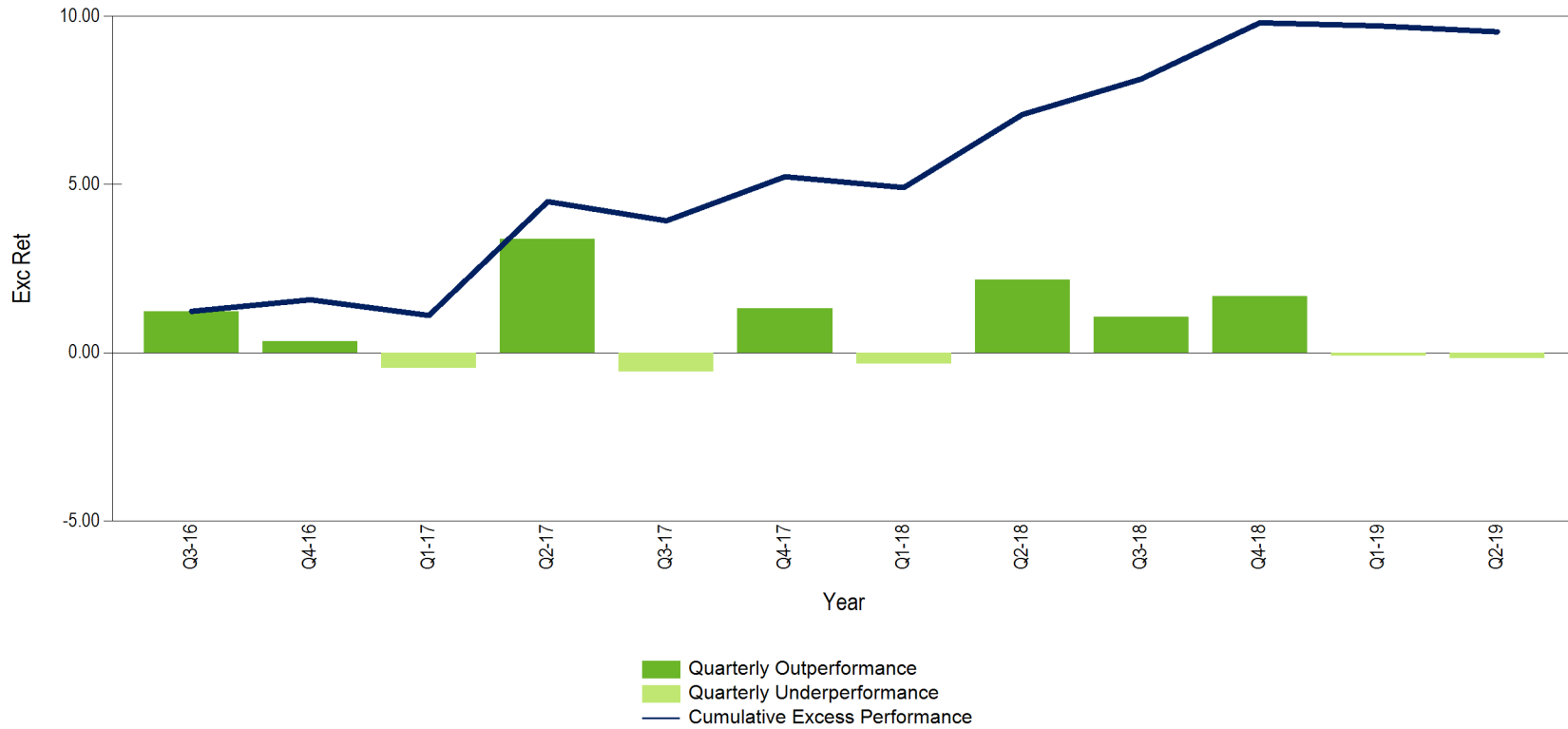


- Lazard Asset Management
- ▲ MSCI EAFE
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



MFS INSTITUTIONAL ADVISORS

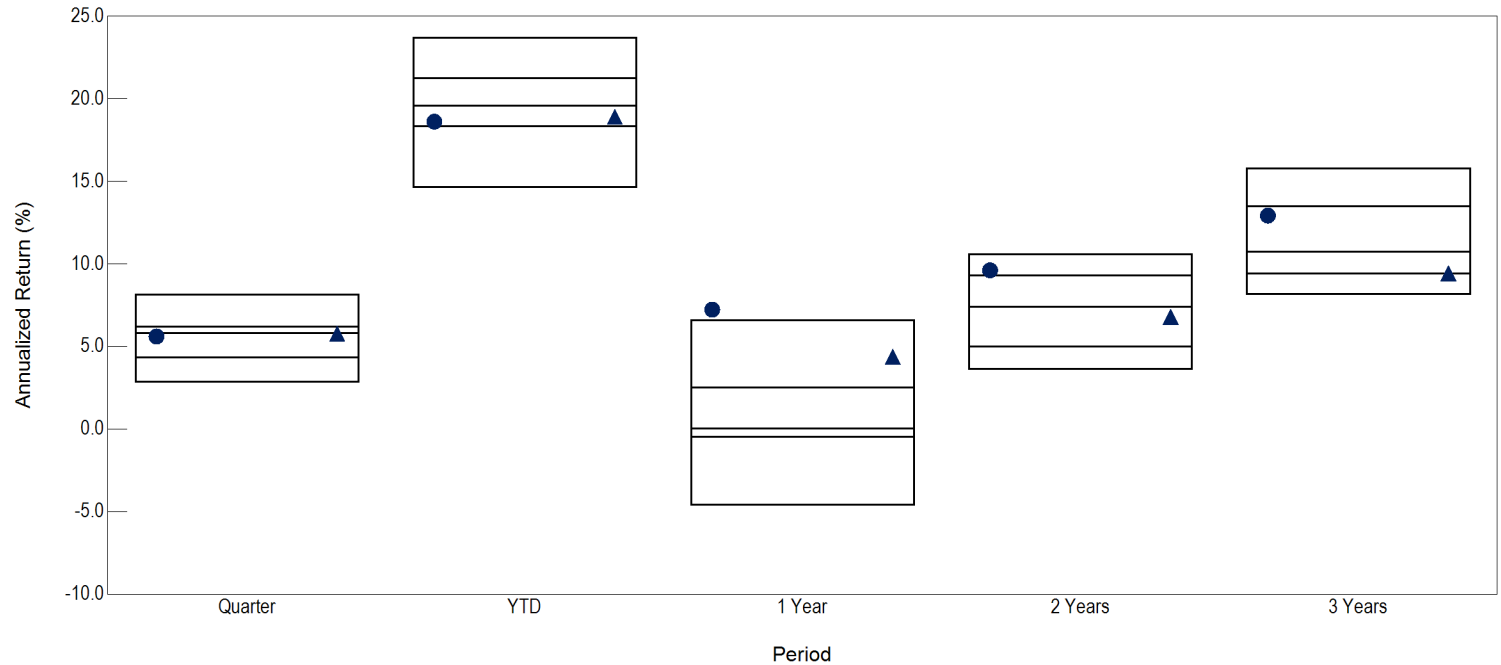
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

MFS INSTITUTIONAL ADVISORS

MFS Institutional Advisors vs. eV EAFE All Cap Growth Net

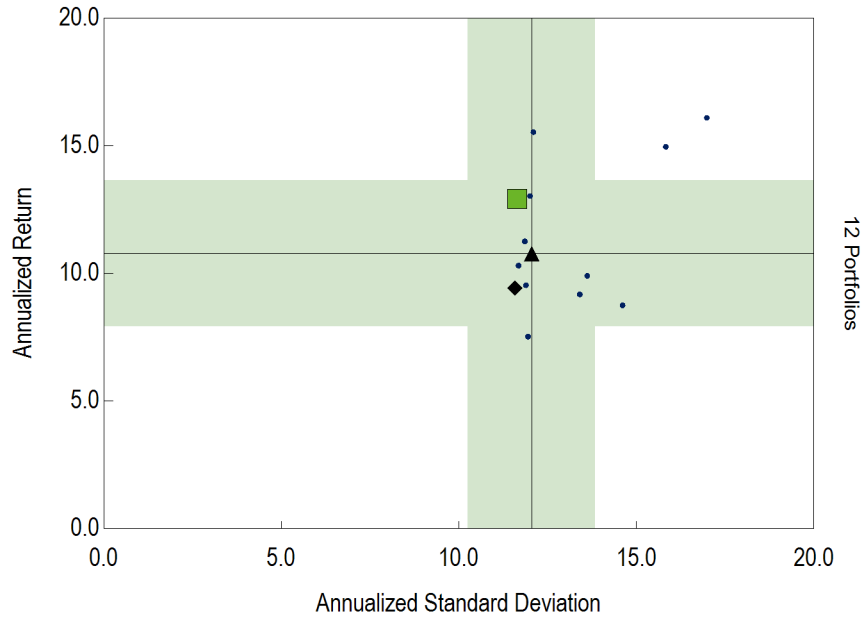


	Quarter		YTD		1 Year		2 Years		3 Years	
Return (Rank)										
5th Percentile	8.11		23.67		6.59		10.56		15.78	
25th Percentile	6.23		21.26		2.55		9.33		13.50	
Median	5.83		19.58		0.08		7.44		10.77	
75th Percentile	4.38		18.34		-0.44		5.02		9.44	
95th Percentile	2.89		14.68		-4.57		3.66		8.19	
# of Portfolios	15		15		14		13		12	
● MFS Institutional Advisors	5.59	(61)	18.59	(64)	7.21	(4)	9.59	(15)	12.91	(32)
▲ MSCI World ex USA Growth NR USD	5.76	(58)	18.89	(61)	4.36	(12)	6.78	(55)	9.42	(76)

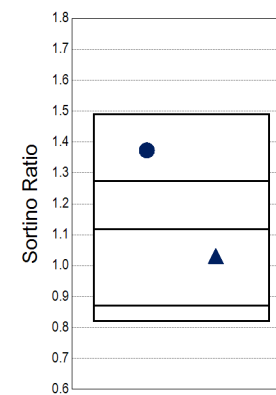
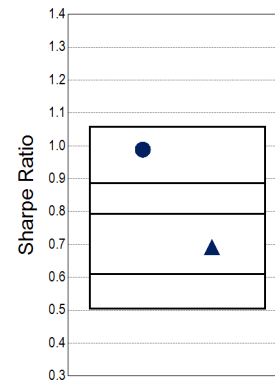
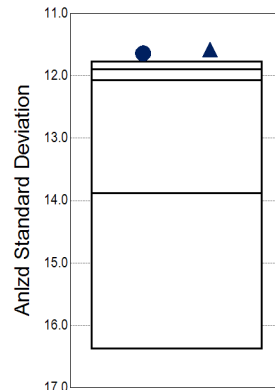
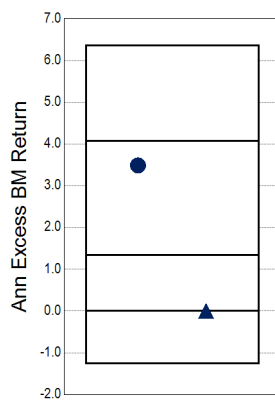
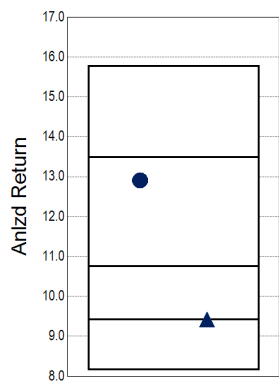
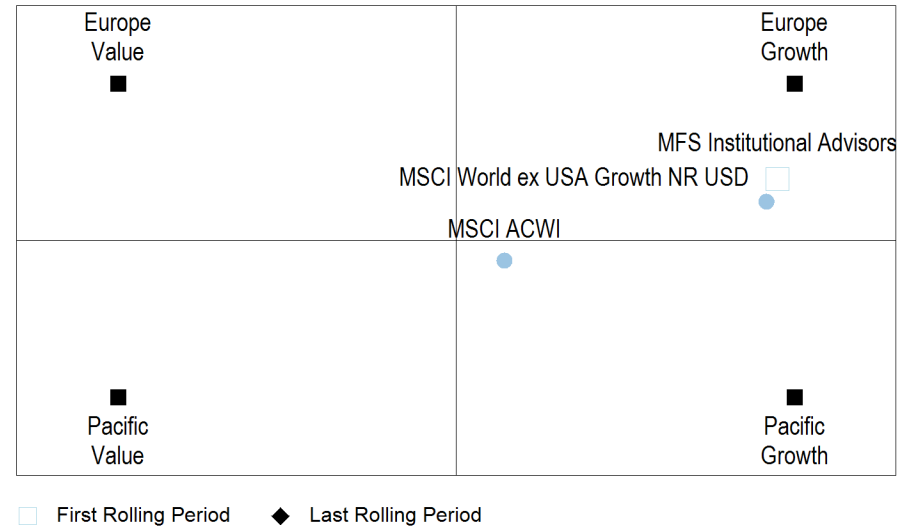


MFS INSTITUTIONAL ADVISORS

3 Year Risk Return



3 Year Style Map



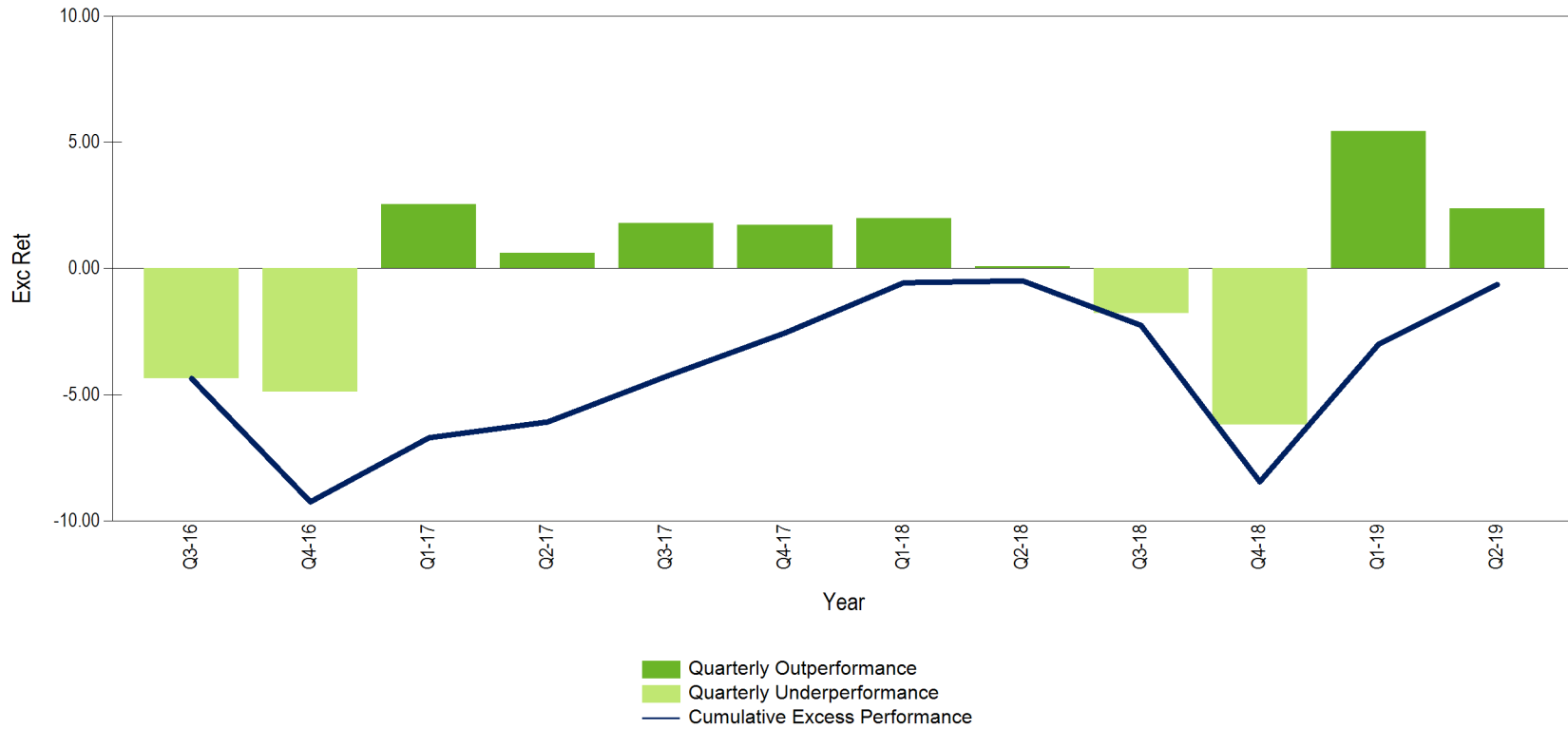
- MFS Institutional Advisors
- ▲ MSCI World ex USA Growth NR USD
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



Los Angeles City Employees' Retirement System

OBERWEIS ASSET MGMT

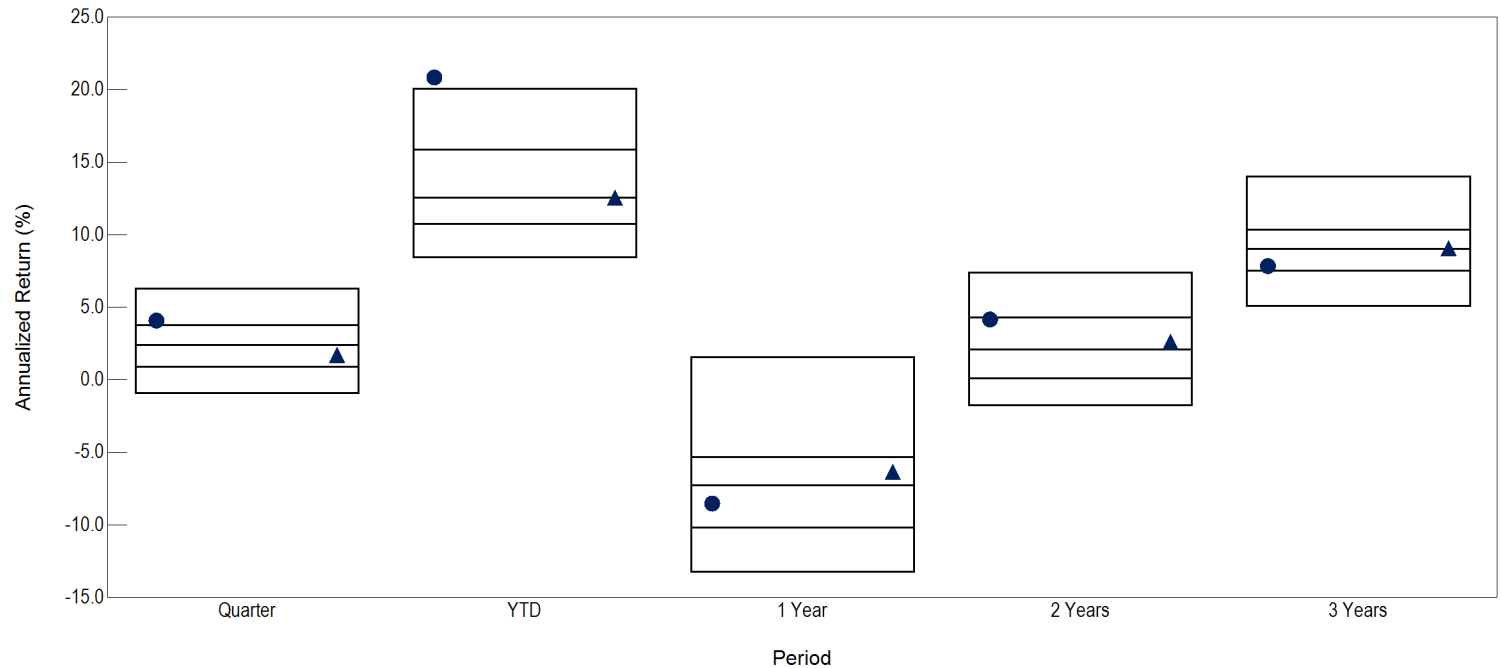
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

OBERWEIS ASSET MGMT

Oberweis Asset Mgmt vs. eV EAFE Small Cap Equity Net



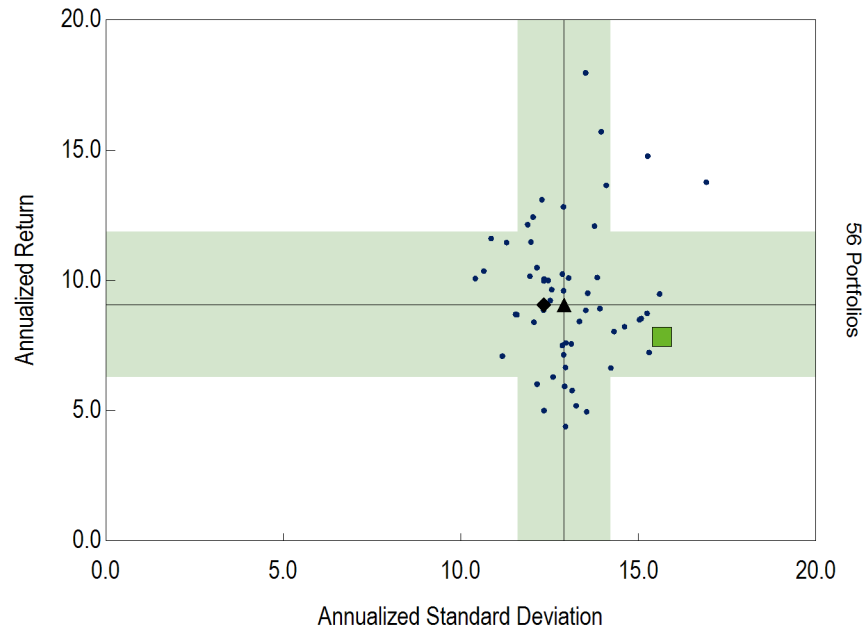
	Return (Rank)									
5th Percentile	6.28		20.05		1.57		7.39		14.02	
25th Percentile	3.83		15.93		-5.28		4.32		10.39	
Median	2.46		12.57		-7.24		2.15		9.07	
75th Percentile	0.92		10.80		-10.13		0.12		7.55	
95th Percentile	-0.89		8.49		-13.19		-1.73		5.14	
# of Portfolios	58		58		58		57		56	
● Oberweis Asset Mgmt	4.08	(24)	20.83	(5)	-8.53	(65)	4.15	(30)	7.83	(72)
▲ MSCI EAFE Small Cap	1.71	(63)	12.55	(53)	-6.35	(32)	2.62	(42)	9.06	(51)



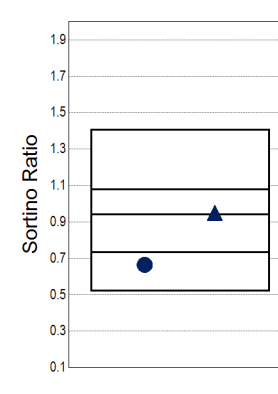
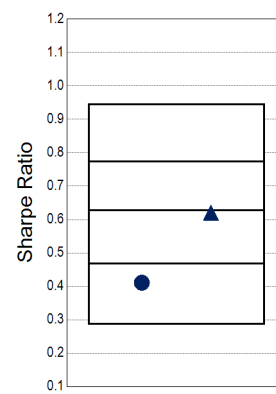
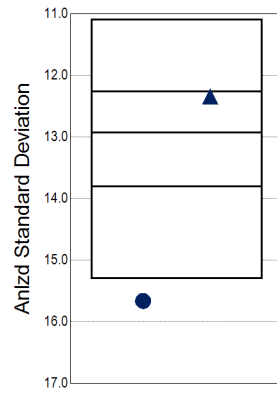
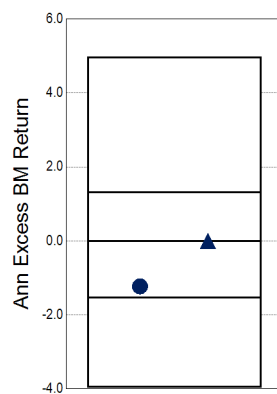
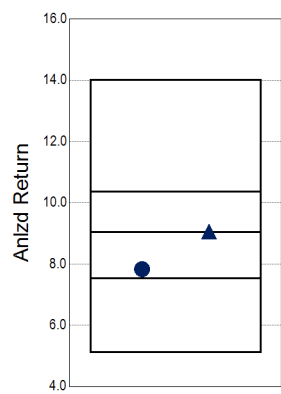
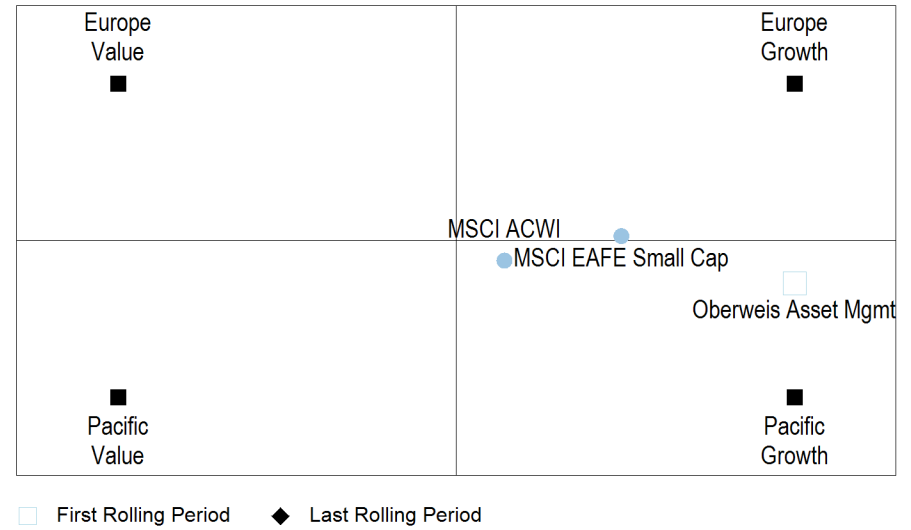
Los Angeles City Employees' Retirement System

OBERWEIS ASSET MGMT

3 Year Risk Return



3 Year Style Map



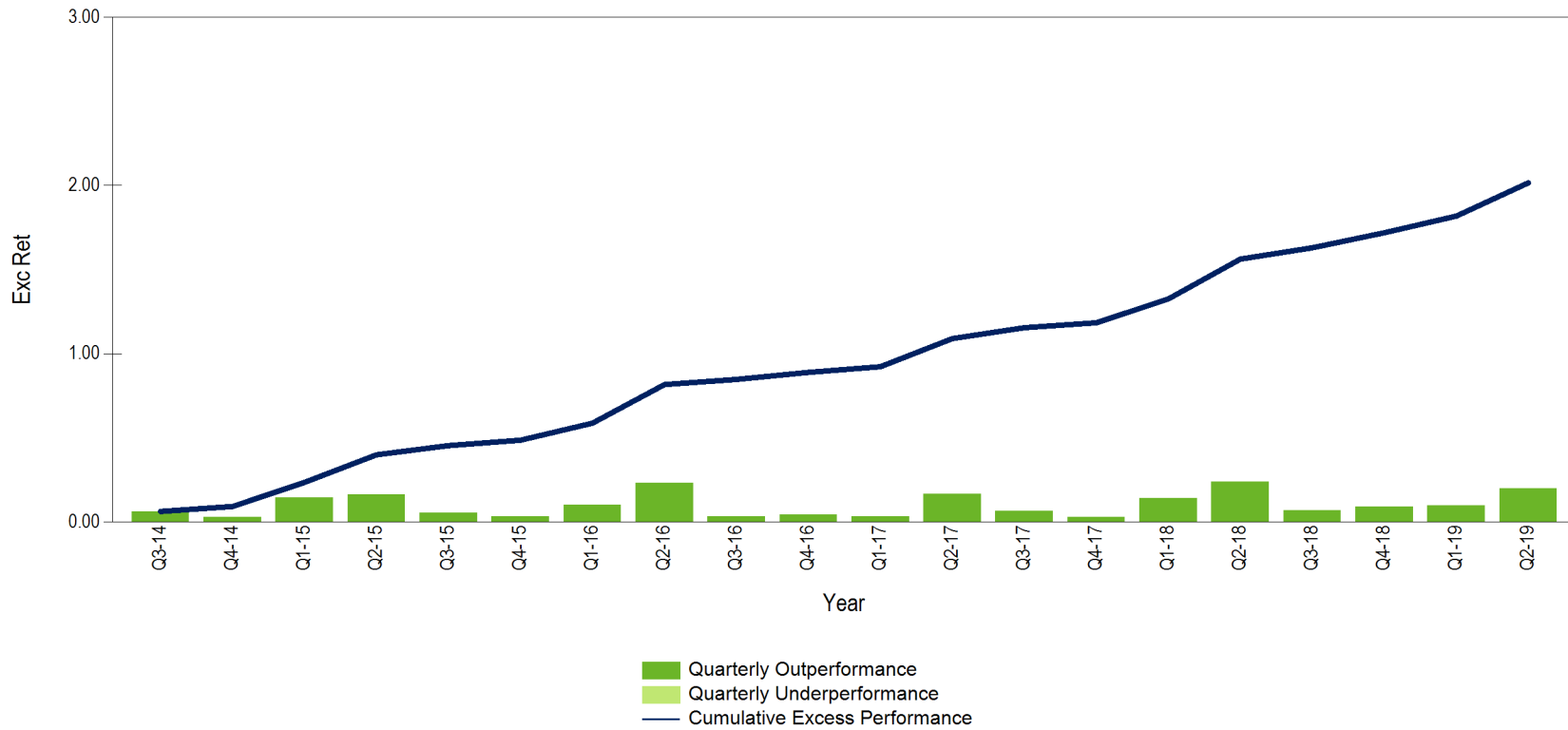
- Oberweis Asset Mgmt
- ▲ MSCI EAFE Small Cap
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



Los Angeles City Employees' Retirement System

SSGA WORLD EX US IMI

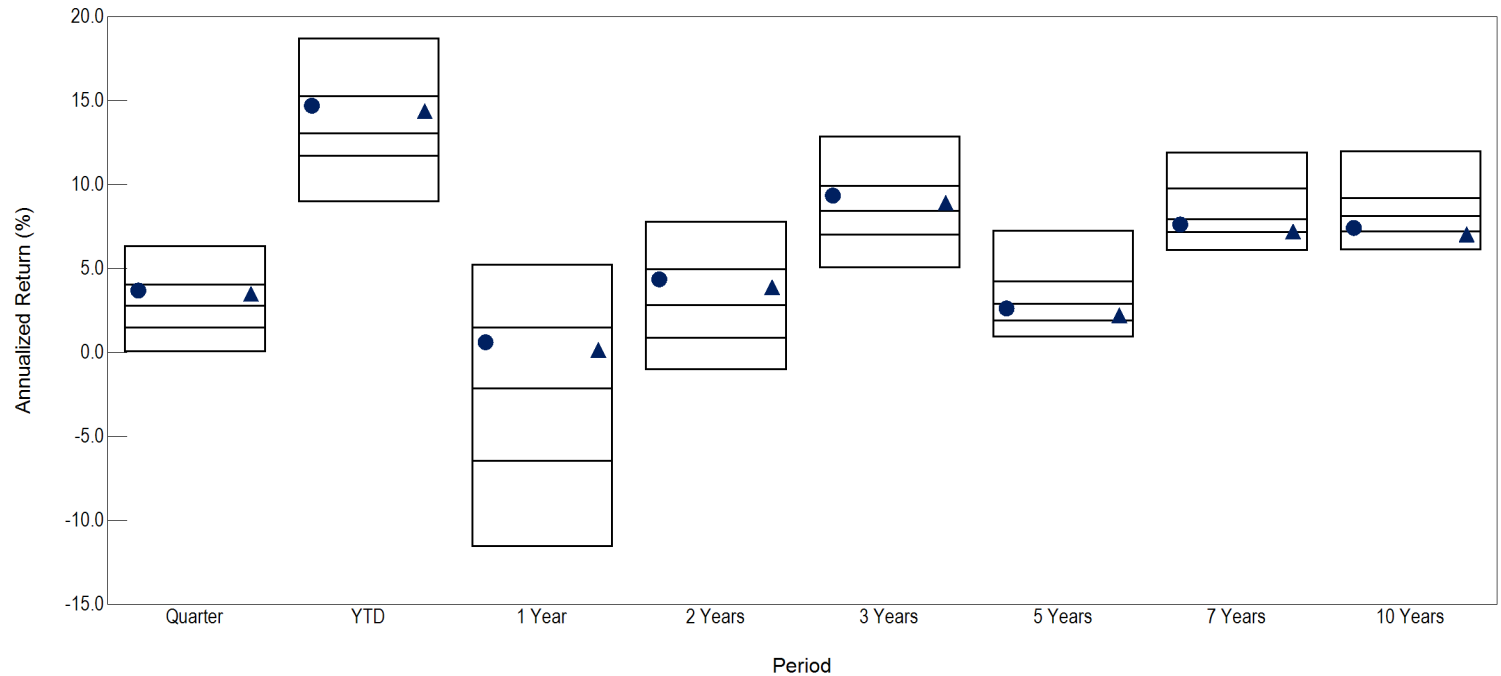
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

SSGA WORLD EX US IMI

SSgA World ex US IMI vs. eV EAFE Core Equity Net



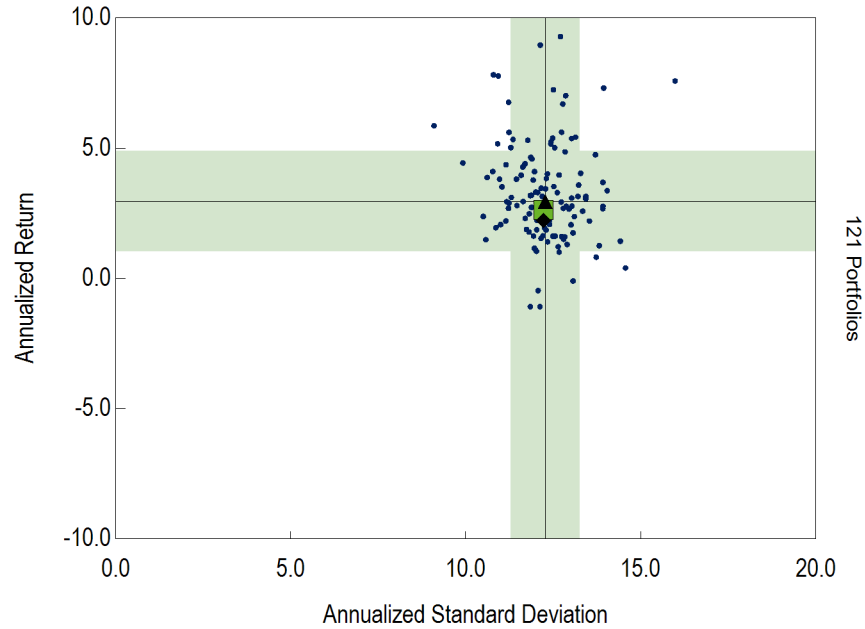
	Return (Rank)															
5th Percentile	6.34	18.71	5.23	7.80	12.85	7.24	11.93	11.98								
25th Percentile	4.08	15.32	1.55	5.00	9.96	4.28	9.83	9.26								
Median	2.83	13.11	-2.08	2.86	8.48	2.95	7.98	8.16								
75th Percentile	1.54	11.76	-6.43	0.90	7.05	1.95	7.21	7.24								
95th Percentile	0.12	9.06	-11.50	-0.97	5.12	1.01	6.16	6.20								
# of Portfolios	145	145	143	142	139	121	102	85								
● SSGA World ex US IMI	3.70	(34)	14.71	(32)	0.62	(30)	4.36	(32)	9.35	(35)	2.63	(62)	7.63	(63)	7.43	(67)
▲ MSCI World ex USA IMI NR USD	3.50	(37)	14.39	(35)	0.16	(31)	3.88	(35)	8.92	(43)	2.22	(69)	7.21	(76)	7.04	(77)



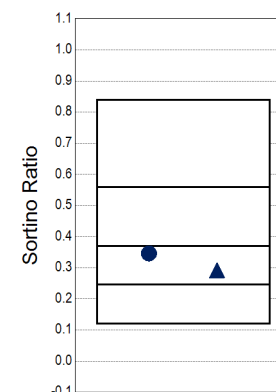
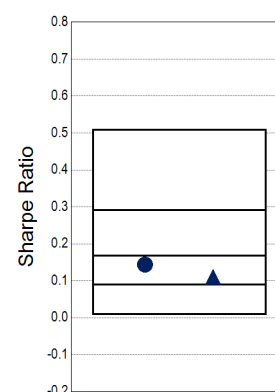
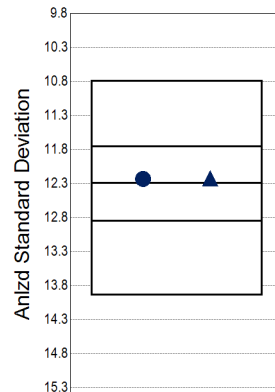
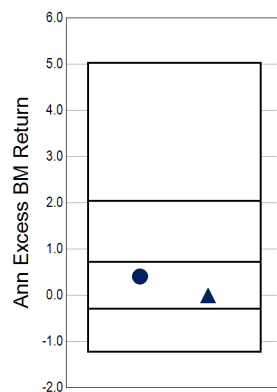
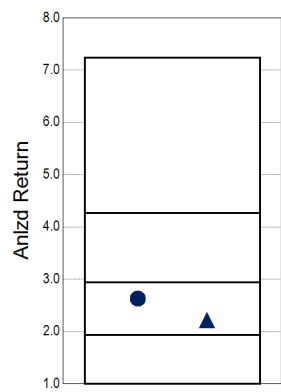
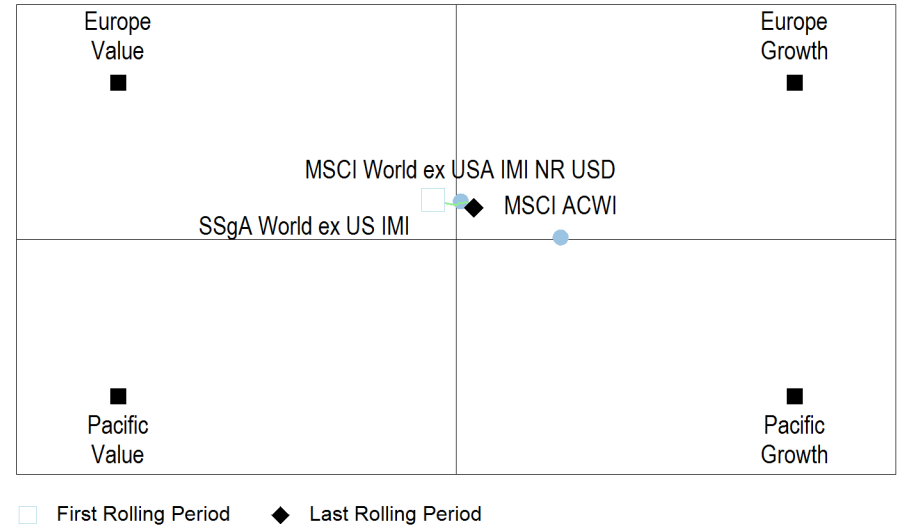
Los Angeles City Employees' Retirement System

SSGA WORLD EX US IMI

5 Year Risk Return



5 Year Style Map

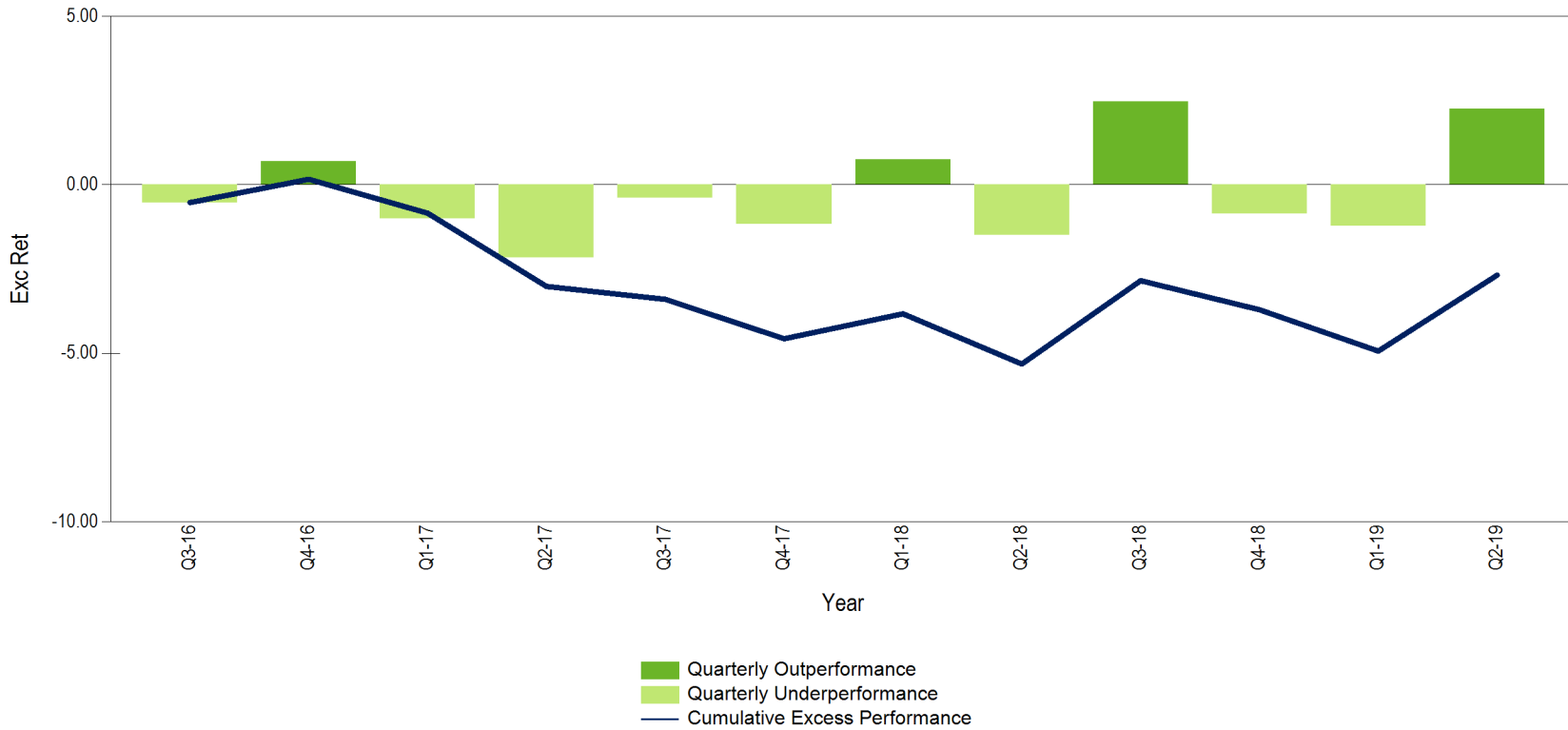


- SSGA World ex US IMI
- ▲ MSCI World ex USA IMI NR USD
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



AXIOM EMERGING MARKETS

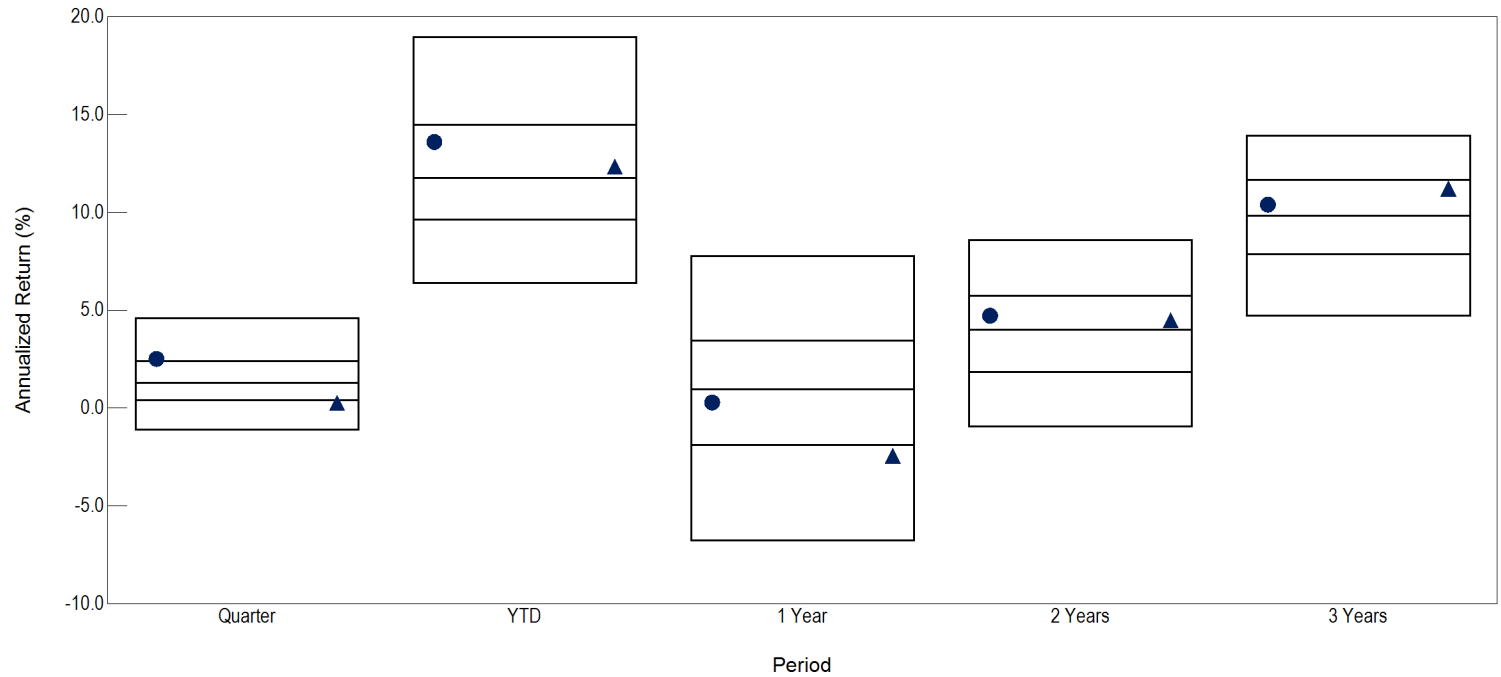
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

AXIOM EMERGING MARKETS

Axiom Emerging Markets vs. eV Emg Mkts Equity Net

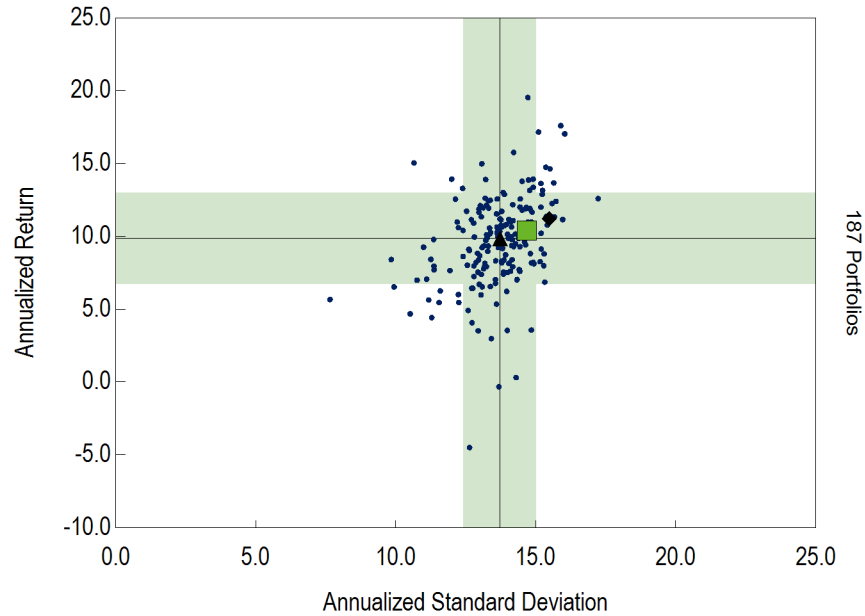


	Return (Rank)									
5th Percentile	4.58		18.98		7.78		8.58		13.92	
25th Percentile	2.45		14.50		3.48		5.76		11.69	
Median	1.33		11.78		0.99		4.03		9.86	
75th Percentile	0.43		9.68		-1.85		1.89		7.91	
95th Percentile	-1.07		6.44		-6.73		-0.89		4.74	
# of Portfolios	210		209		201		197		187	
● Axiom Emerging Markets	2.51	(25)	13.60	(34)	0.29	(56)	4.72	(38)	10.40	(43)
▲ MSCI Emerging Markets Growth NR USD	0.26	(79)	12.34	(46)	-2.44	(79)	4.49	(42)	11.22	(29)

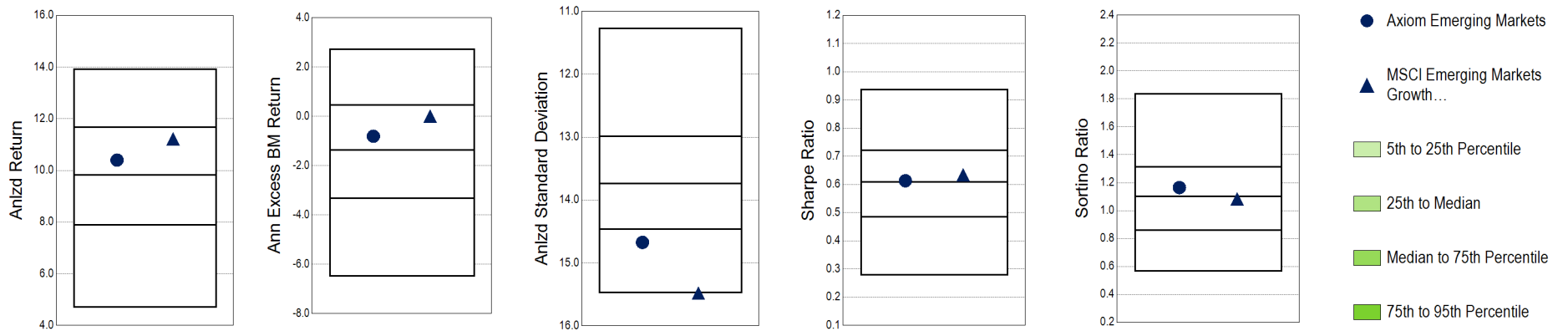
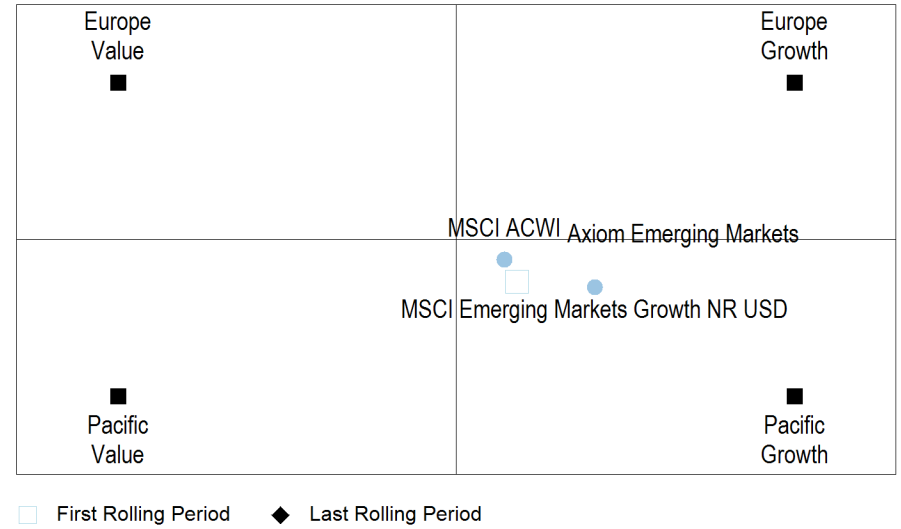


AXIOM EMERGING MARKETS

3 Year Risk Return



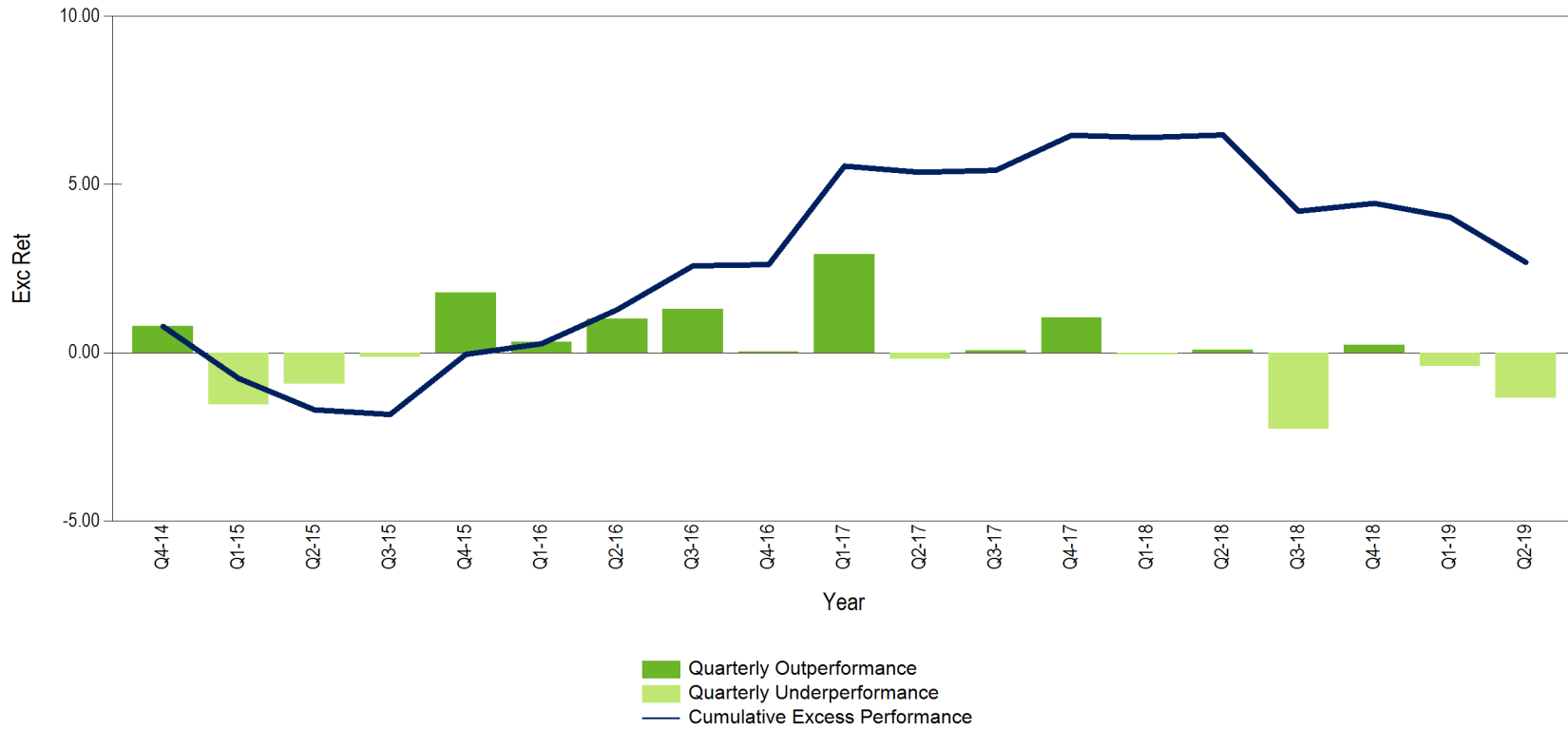
3 Year Style Map



Los Angeles City Employees' Retirement System

DFA EMERGING MARKETS

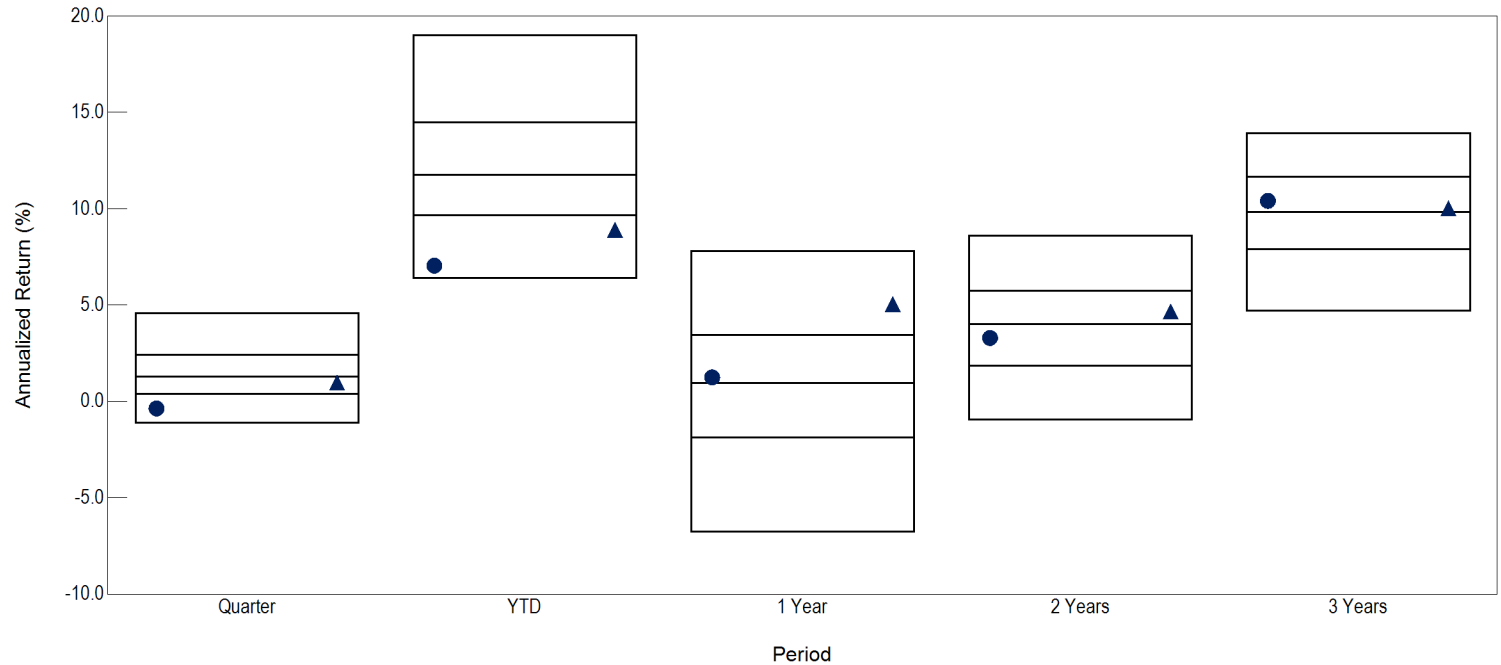
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

DFA EMERGING MARKETS

DFA Emerging Markets vs. eV Emg Mkts Equity Net



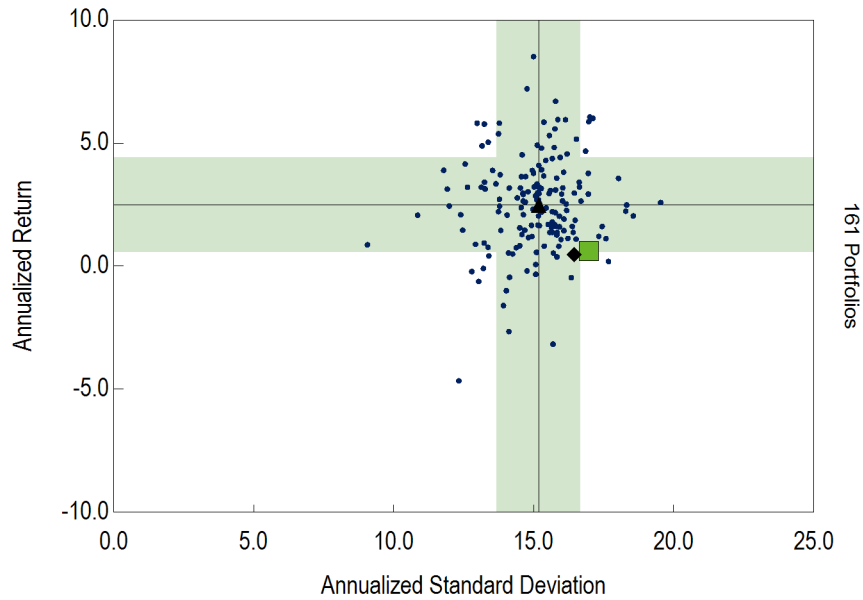
	Return (Rank)									
5th Percentile	4.58	18.98	7.78	8.58	13.92					
25th Percentile	2.45	14.50	3.48	5.76	11.69					
Median	1.33	11.78	0.99	4.03	9.86					
75th Percentile	0.43	9.68	-1.85	1.89	7.91					
95th Percentile	-1.07	6.44	-6.73	-0.89	4.74					
# of Portfolios	210	209	201	197	187					
● DFA Emerging Markets	-0.37	(90)	7.04	(93)	1.24	(46)	3.28	(61)	10.40	(43)
▲ MSCI Emerging Markets Value NR USD	0.97	(59)	8.89	(84)	5.04	(13)	4.66	(39)	10.02	(48)



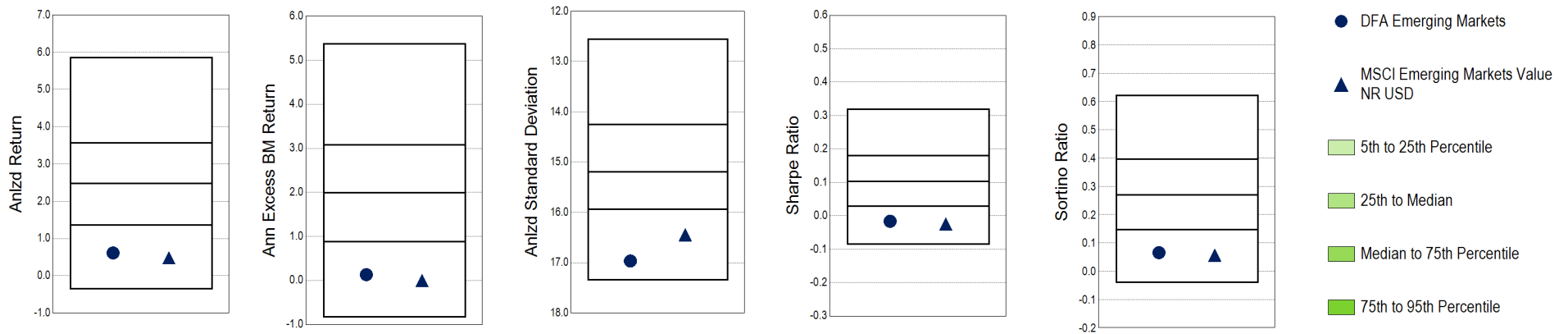
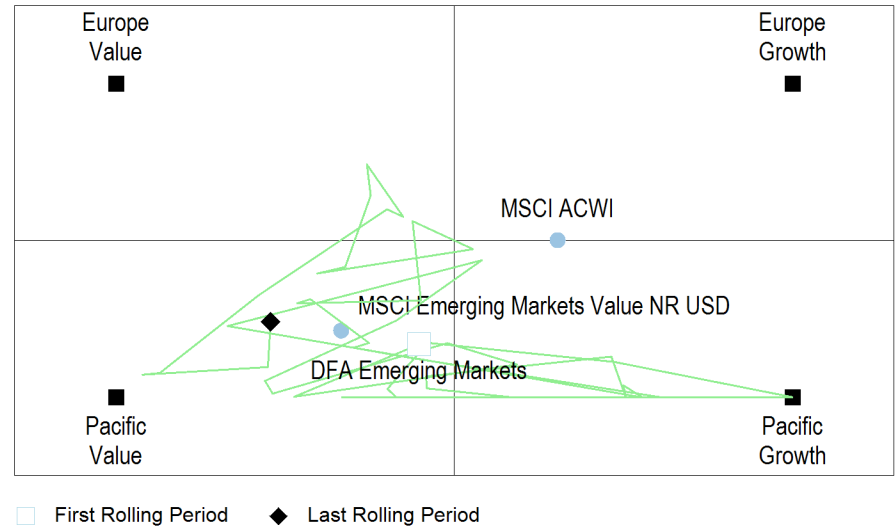
Los Angeles City Employees' Retirement System

DFA EMERGING MARKETS

Since Inception Risk Return



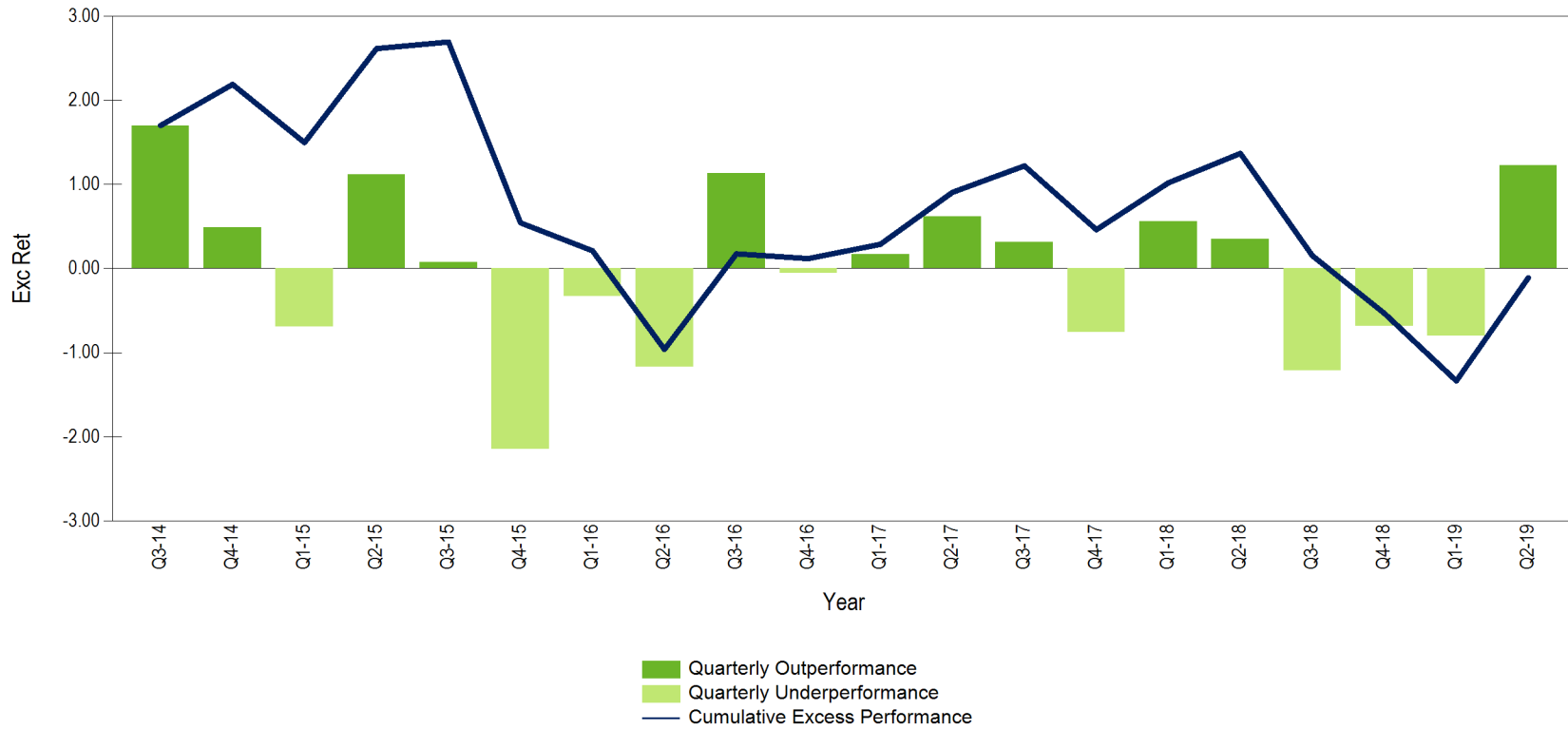
Since Inception Style Map



Los Angeles City Employees' Retirement System

QMA EMERGING MARKETS

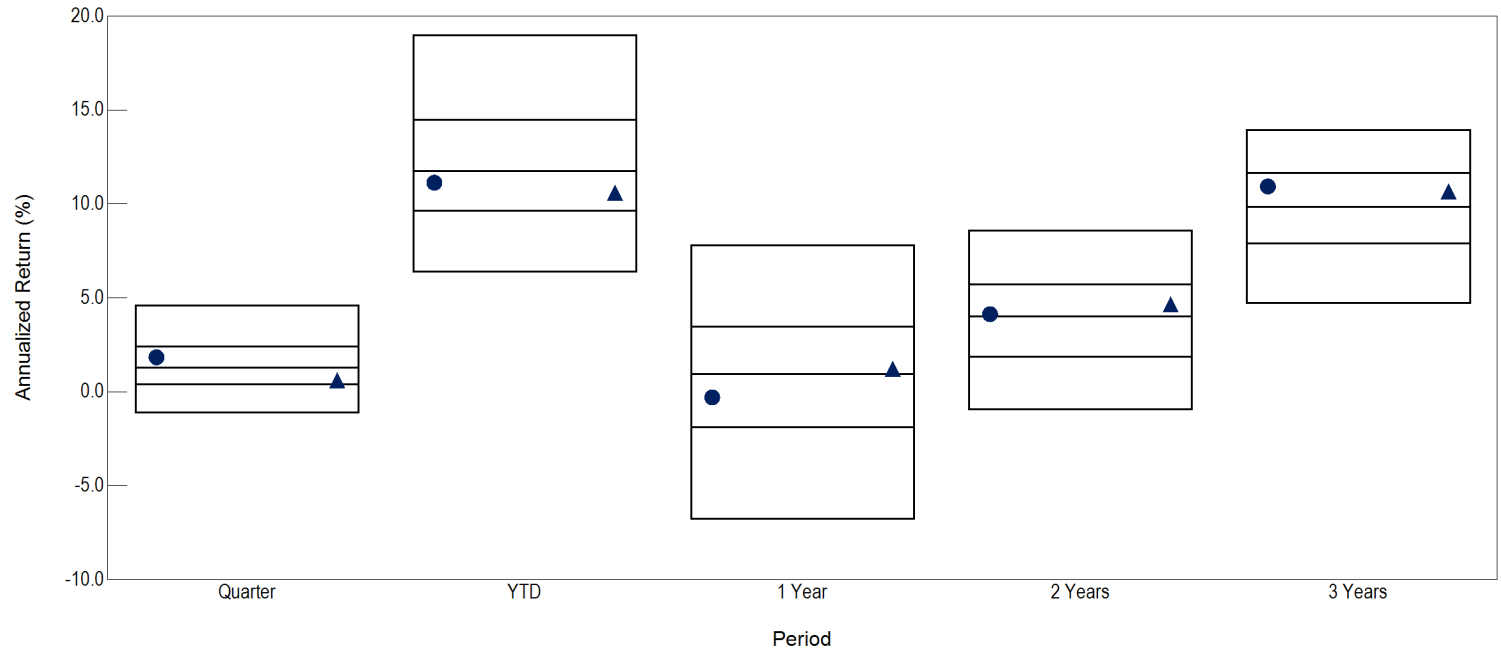
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

QMA EMERGING MARKETS

QMA Emerging Markets vs. eV Emg Mkts Equity Net



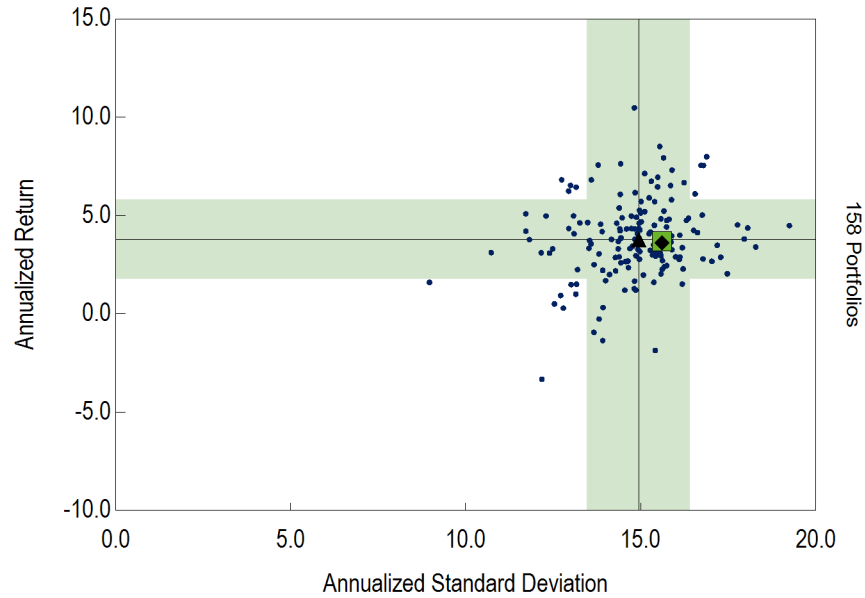
	Return (Rank)									
	Quarter		YTD		1 Year		2 Years		3 Years	
5th Percentile	4.58	18.98	7.78	8.58	13.92					
25th Percentile	2.45	14.50	3.48	5.76	11.69					
Median	1.33	11.78	0.99	4.03	9.86					
75th Percentile	0.43	9.68	-1.85	1.89	7.91					
95th Percentile	-1.07	6.44	-6.73	-0.89	4.74					
# of Portfolios	210	209	201	197	187					
● QMA Emerging Markets	1.83	(38)	11.13	(56)	-0.30	(62)	4.13	(49)	10.93	(35)
▲ MSCI Emerging Markets	0.61	(71)	10.59	(61)	1.21	(47)	4.65	(40)	10.66	(37)



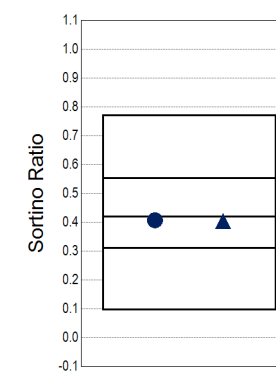
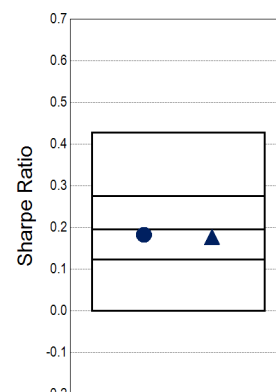
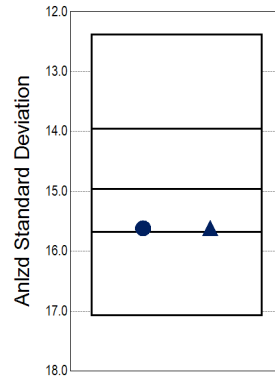
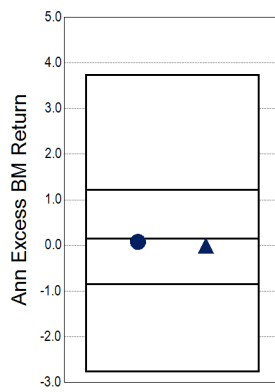
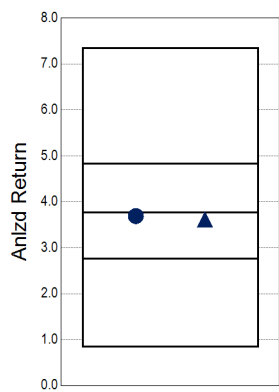
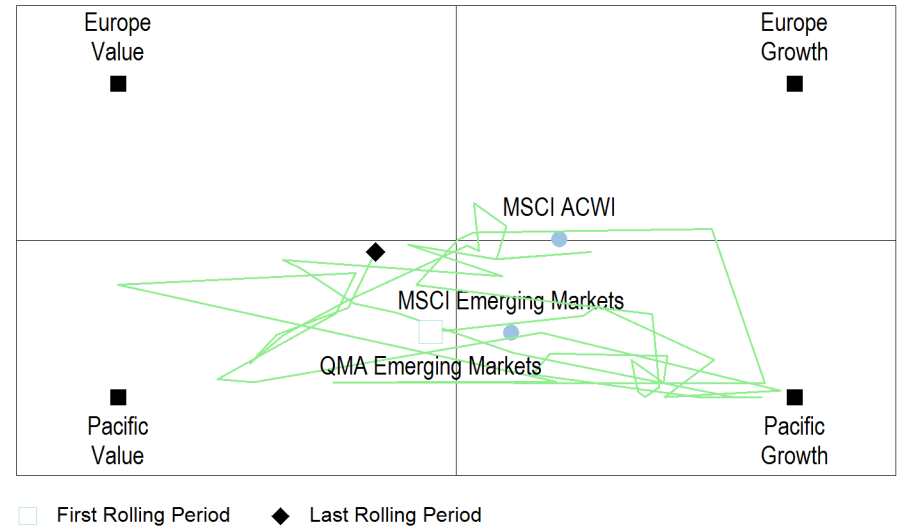
Los Angeles City Employees' Retirement System

QMA EMERGING MARKETS

Since Inception Risk Return



Since Inception Style Map



- QMA Emerging Markets
- ▲ MSCI Emerging Markets
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



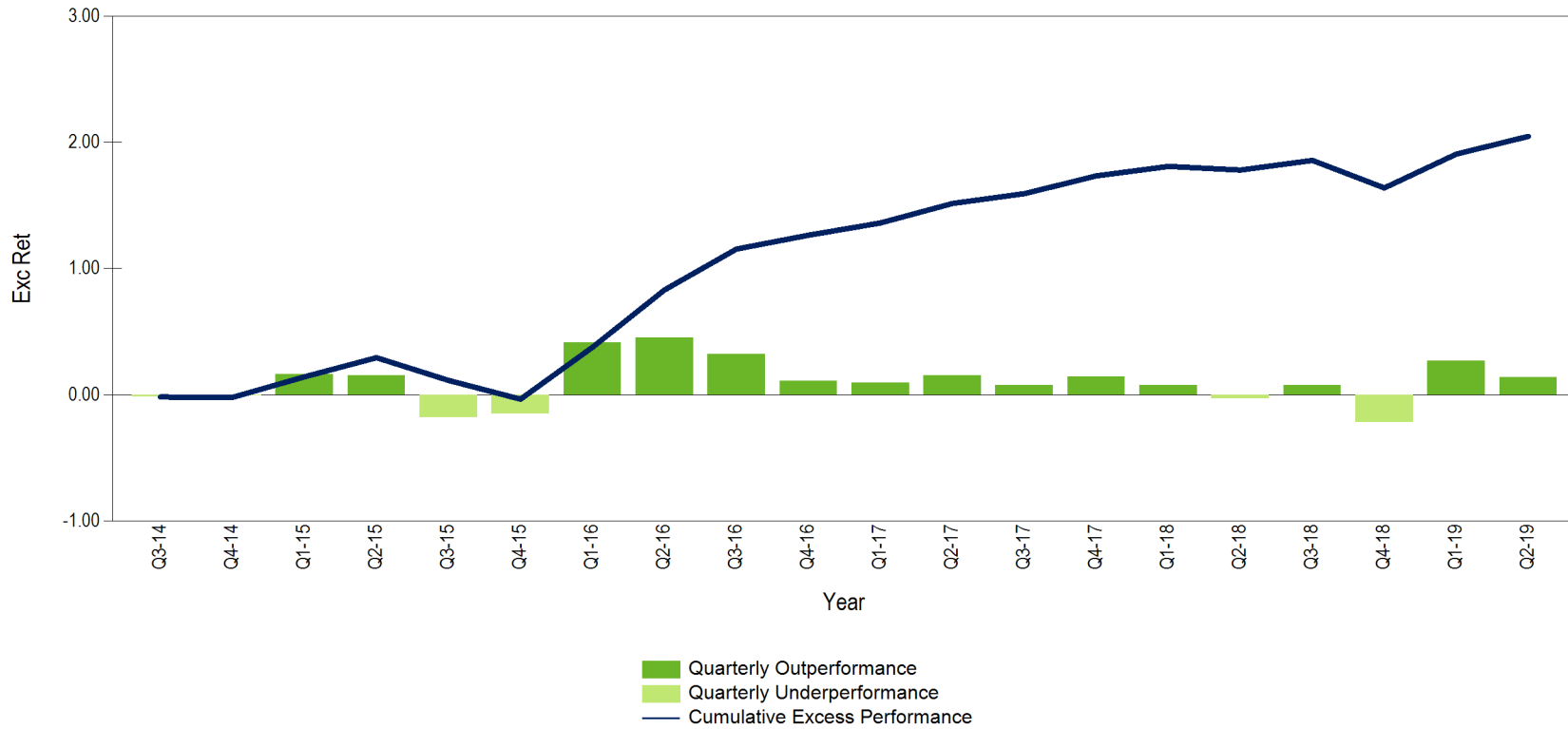
CORE FIXED INCOME MANAGER PERFORMANCE

NEPC, LLC

Los Angeles City Employees' Retirement System

BAIRD ADVISORS

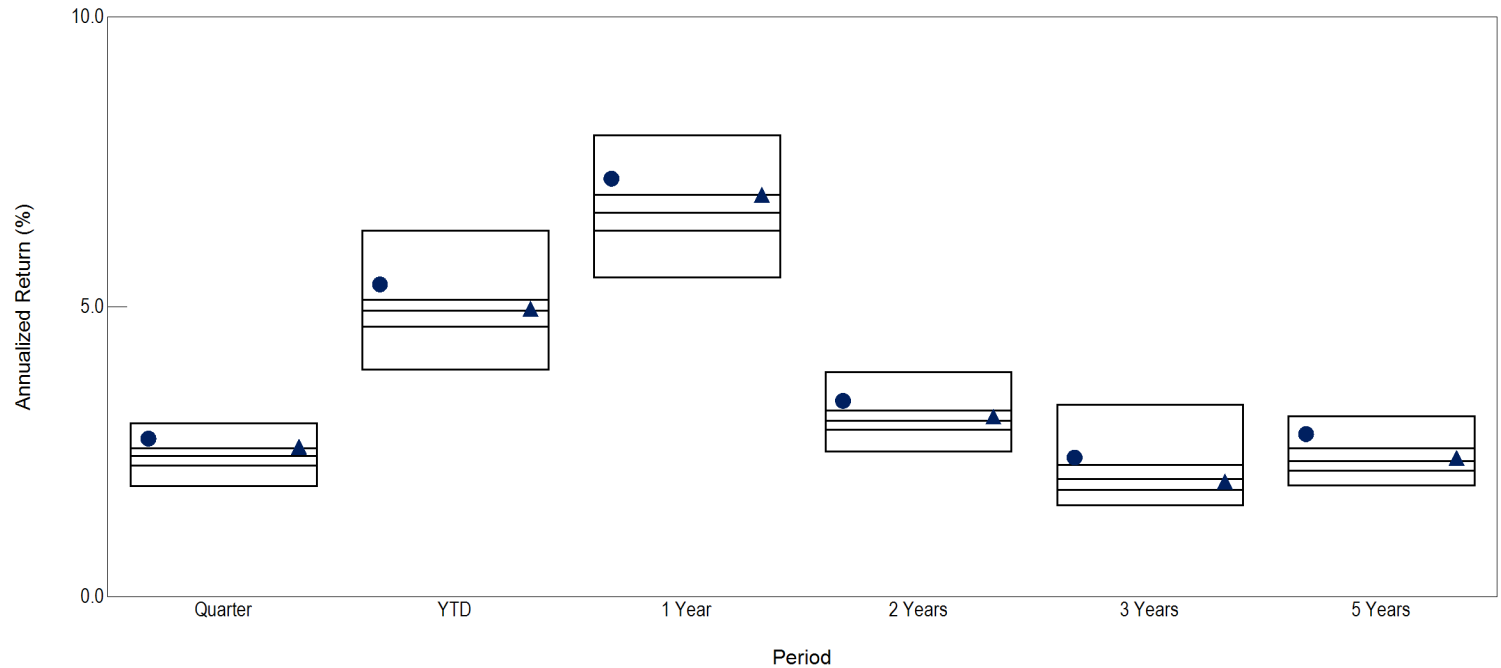
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

BAIRD ADVISORS

Baird Advisors vs. eV US Interm Duration Fixed Inc Net



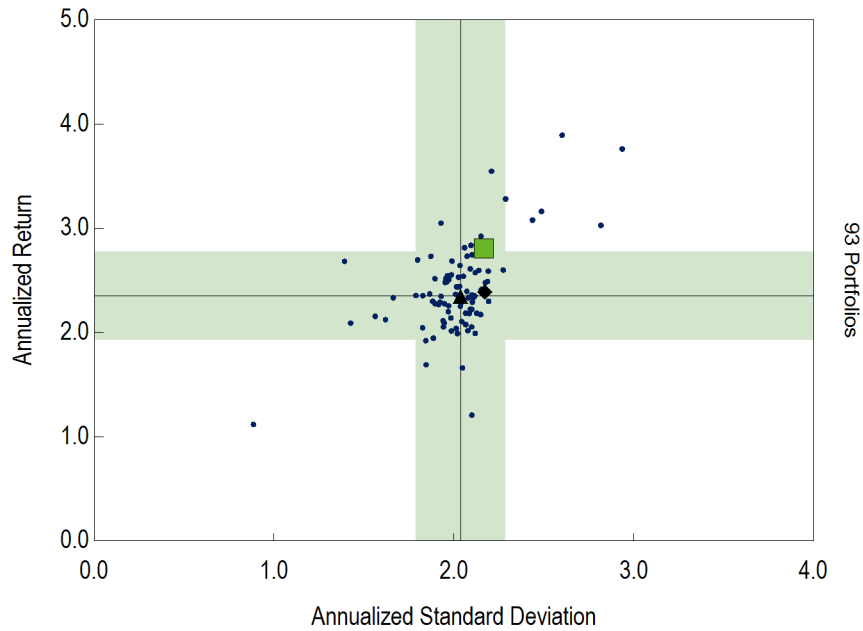
	Return (Rank)											
5th Percentile	2.99		6.32		7.95		3.88		3.32		3.11	
25th Percentile	2.58		5.13		6.94		3.23		2.28		2.58	
Median	2.44		4.95		6.63		3.05		2.04		2.35	
75th Percentile	2.27		4.67		6.32		2.89		1.86		2.18	
95th Percentile	1.92		3.93		5.52		2.51		1.59		1.94	
# of Portfolios	99		99		99		97		96		93	
● Baird Advisors	2.73	(8)	5.39	(14)	7.21	(11)	3.38	(17)	2.40	(21)	2.81	(12)
▲ BBgBarc US Govt/Credit Int TR	2.59	(23)	4.97	(48)	6.93	(27)	3.11	(44)	1.99	(62)	2.39	(43)



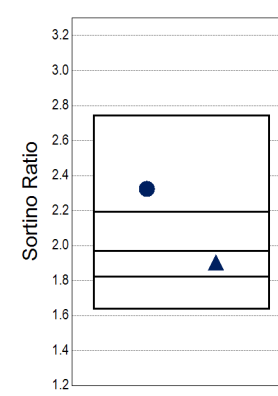
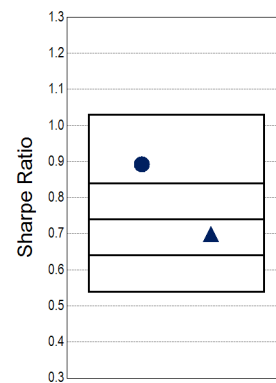
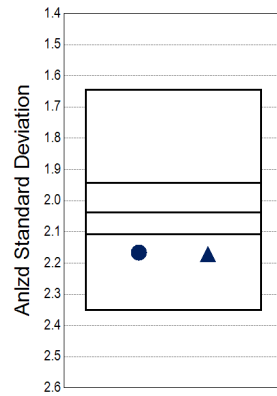
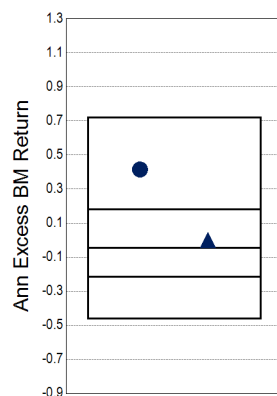
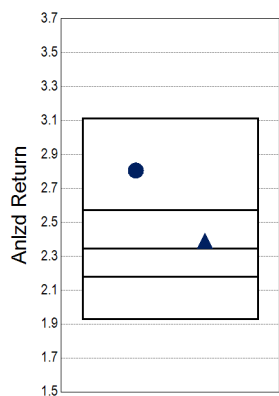
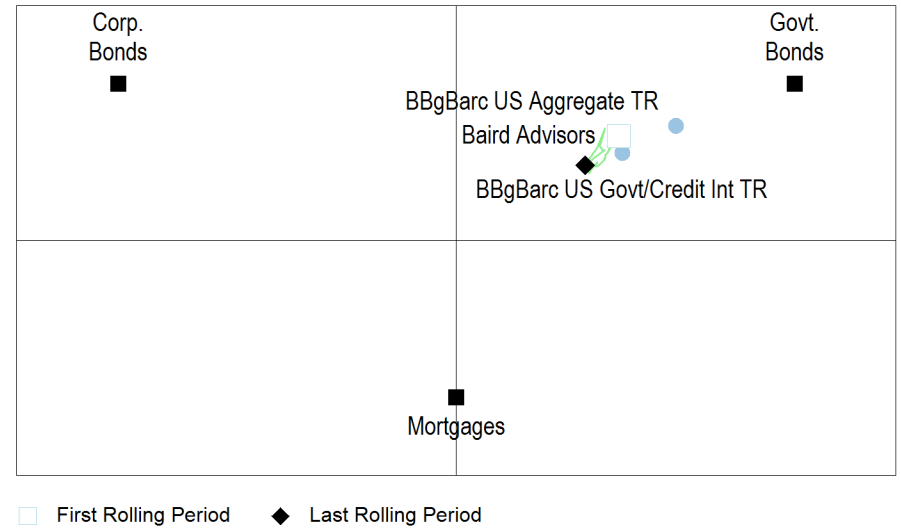
Los Angeles City Employees' Retirement System

BAIRD ADVISORS

5 Year Risk Return



5 Year Style Map



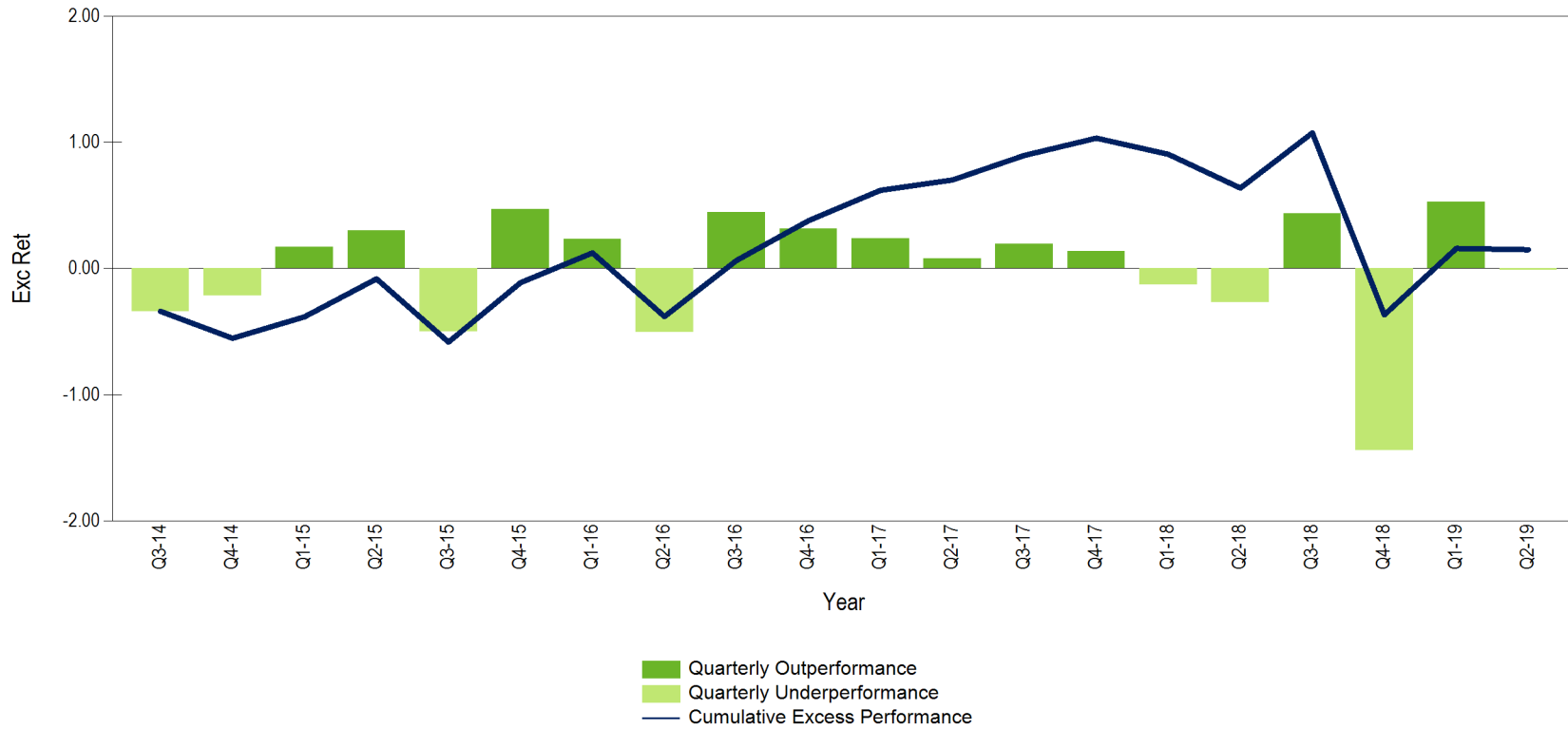
- Baird Advisors
- ▲ BBgBarc US Govt/Credit Int TR
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



Los Angeles City Employees' Retirement System

LM CAPITAL

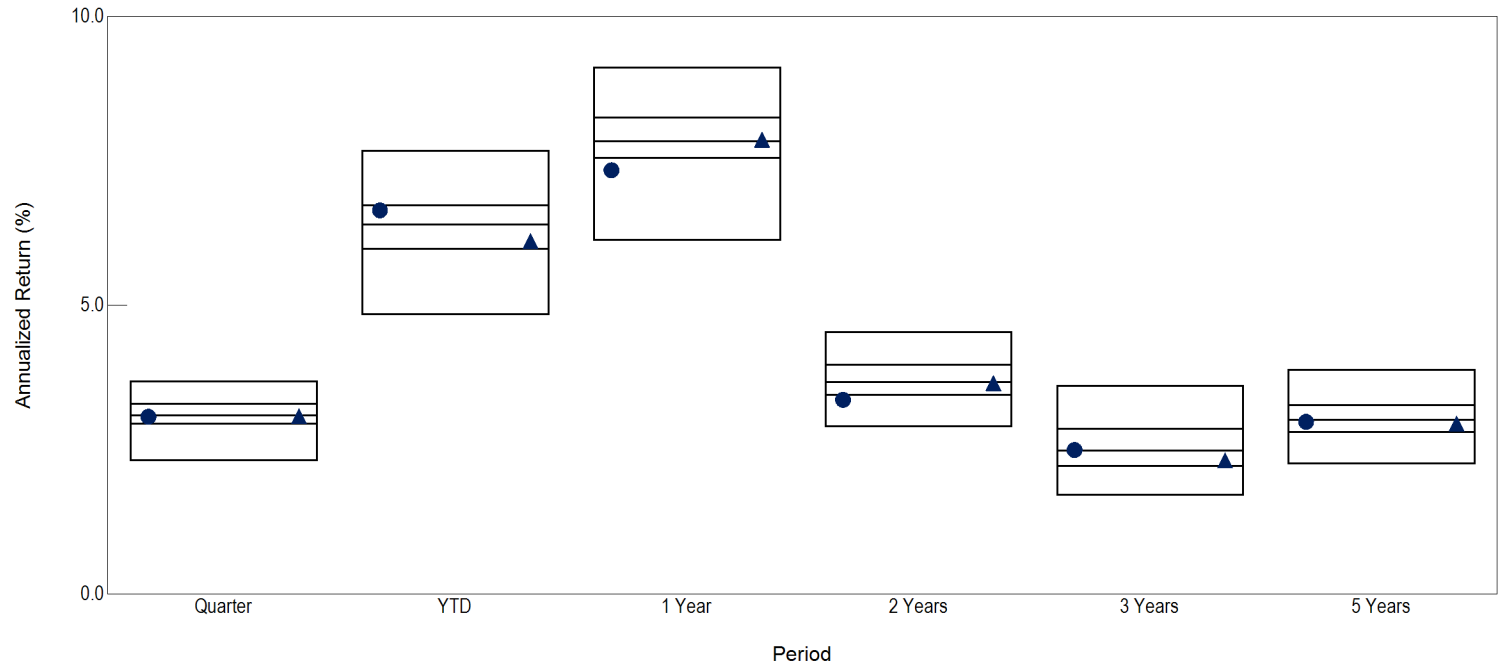
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

LM CAPITAL

Core Fixed Income Managers vs. eV US Core Fixed Inc Net



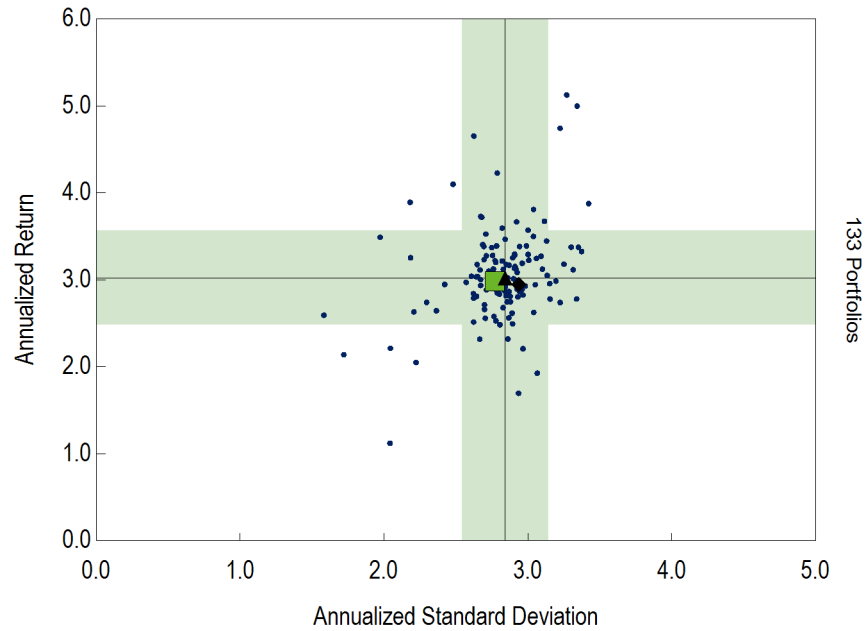
	Return (Rank)											
5th Percentile	3.68		7.68		9.11		4.53		3.61		3.88	
25th Percentile	3.31		6.74		8.27		3.98		2.88		3.28	
Median	3.11		6.41		7.85		3.68		2.50		3.02	
75th Percentile	2.96		5.99		7.56		3.46		2.23		2.81	
95th Percentile	2.32		4.86		6.14		2.92		1.73		2.28	
# of Portfolios	142		142		141		140		137		133	
● LM Capital	3.07	(57)	6.64	(36)	7.34	(85)	3.36	(83)	2.49	(51)	2.98	(55)
▲ Core Fixed Income Blend	3.08	(56)	6.11	(69)	7.87	(49)	3.65	(54)	2.31	(65)	2.95	(58)



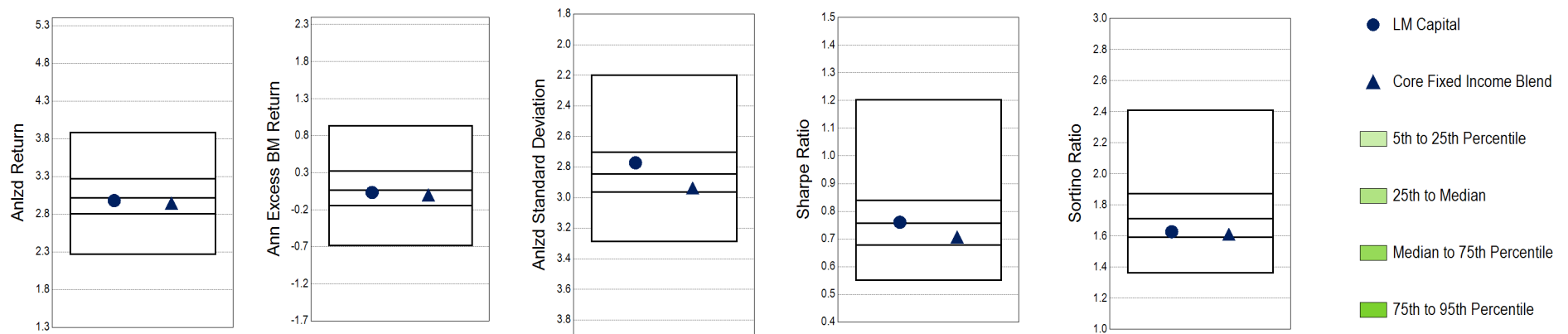
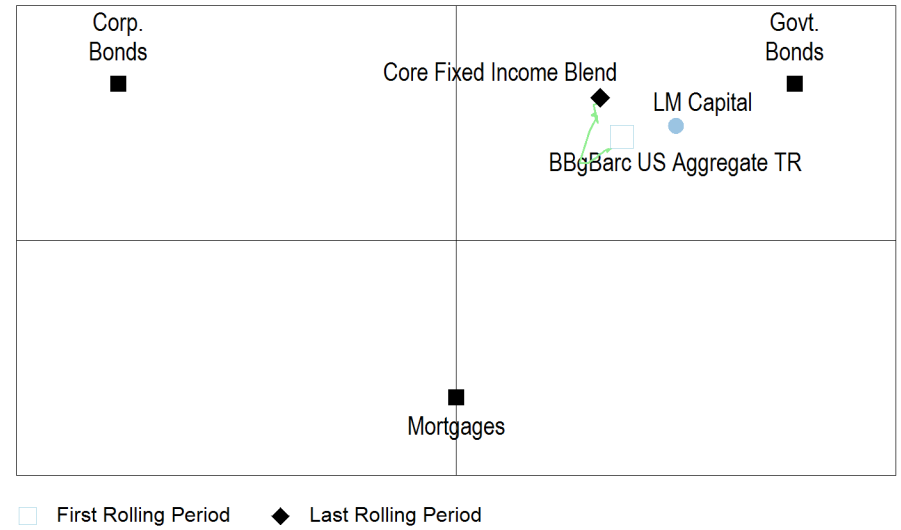
Los Angeles City Employees' Retirement System

LM CAPITAL

5 Year Risk Return



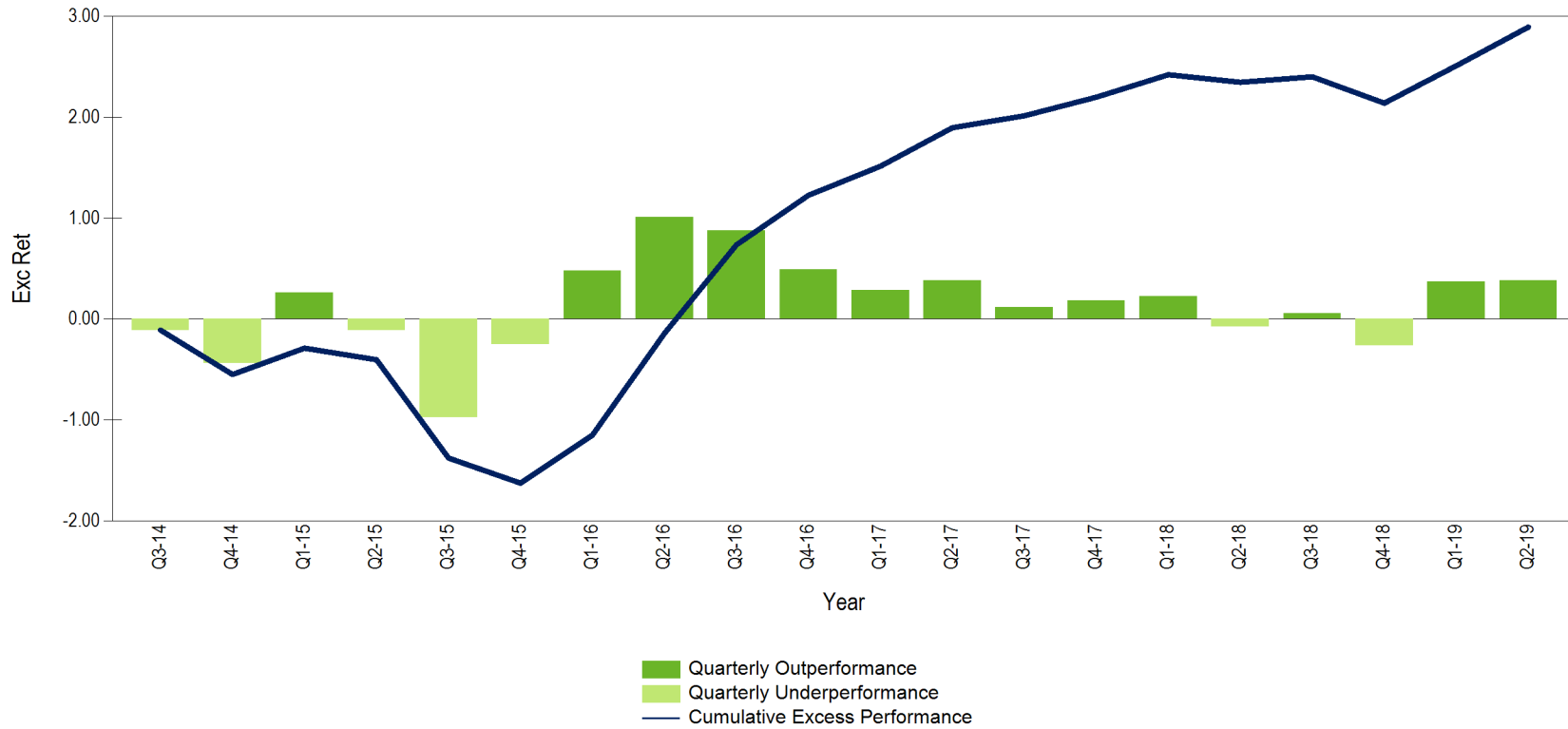
5 Year Style Map



Los Angeles City Employees' Retirement System

LOOMIS SAYLES

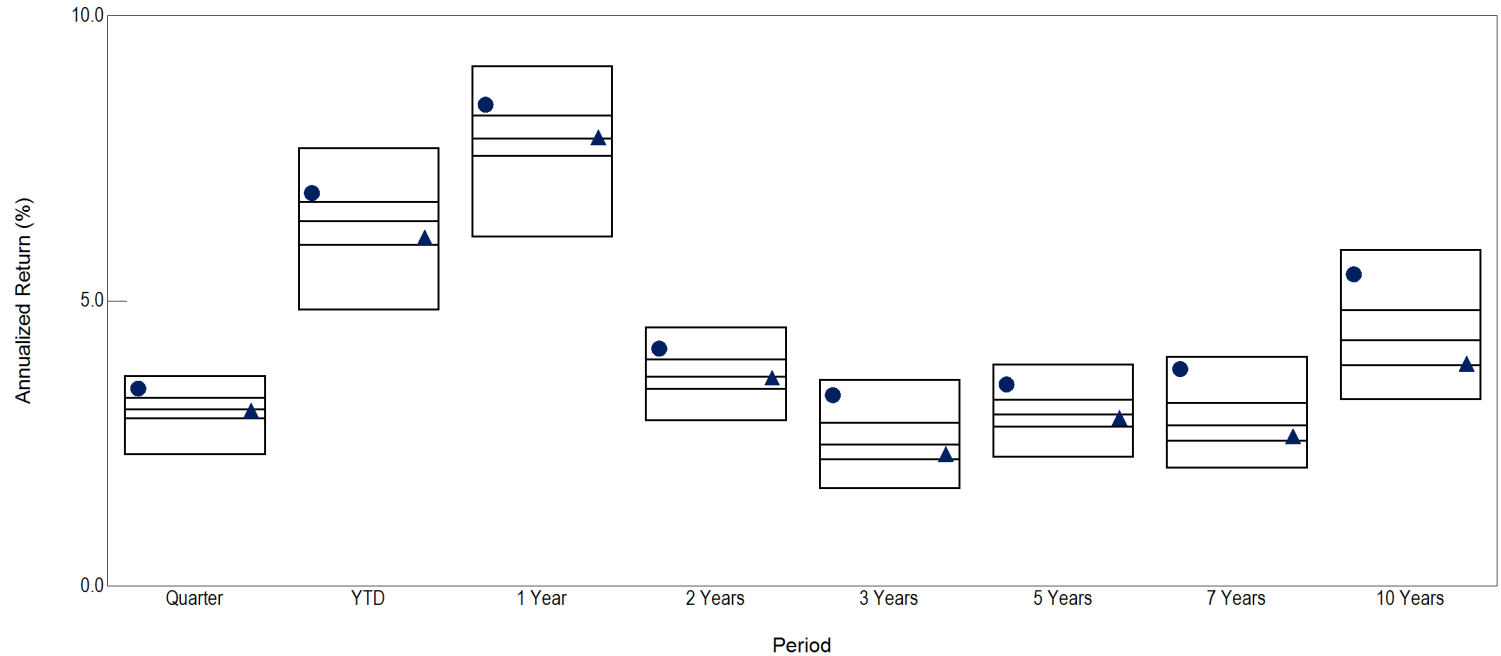
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

LOOMIS SAYLES

Loomis Sayles vs. eV US Core Fixed Inc Net



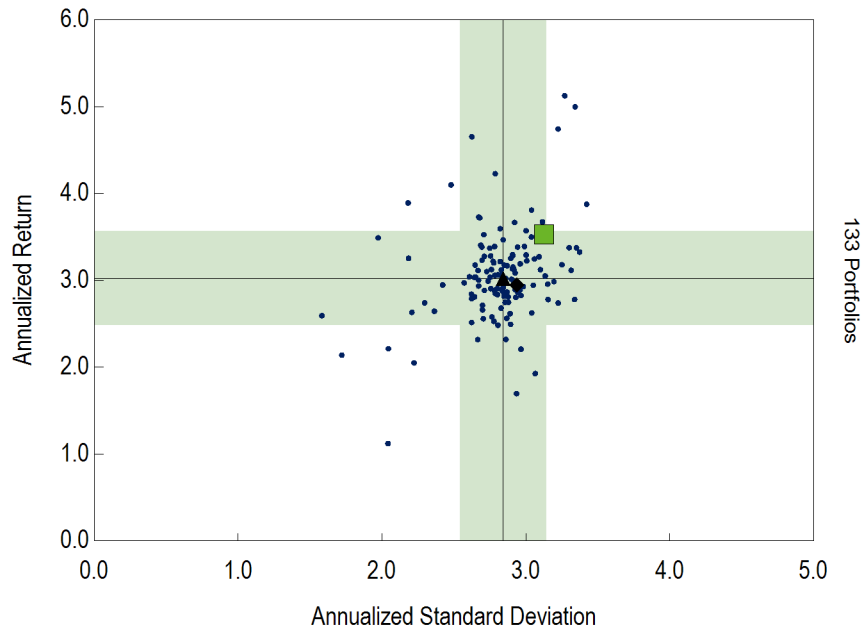
	Return (Rank)															
5th Percentile	3.68	7.68	9.11	4.53	3.61	3.88	4.02	5.89								
25th Percentile	3.31	6.74	8.27	3.98	2.88	3.28	3.22	4.84								
Median	3.11	6.41	7.85	3.68	2.50	3.02	2.83	4.32								
75th Percentile	2.96	5.99	7.56	3.46	2.23	2.81	2.56	3.89								
95th Percentile	2.32	4.86	6.14	2.92	1.73	2.28	2.08	3.29								
# of Portfolios	142	142	141	140	137	133	132	119								
● Loomis Sayles	3.46	(11)	6.89	(20)	8.44	(17)	4.16	(12)	3.35	(9)	3.53	(12)	3.80	(8)	5.46	(11)
▲ BC US Agg LACERS custom	3.08	(56)	6.11	(69)	7.87	(49)	3.65	(54)	2.31	(65)	2.95	(58)	2.62	(69)	3.90	(74)



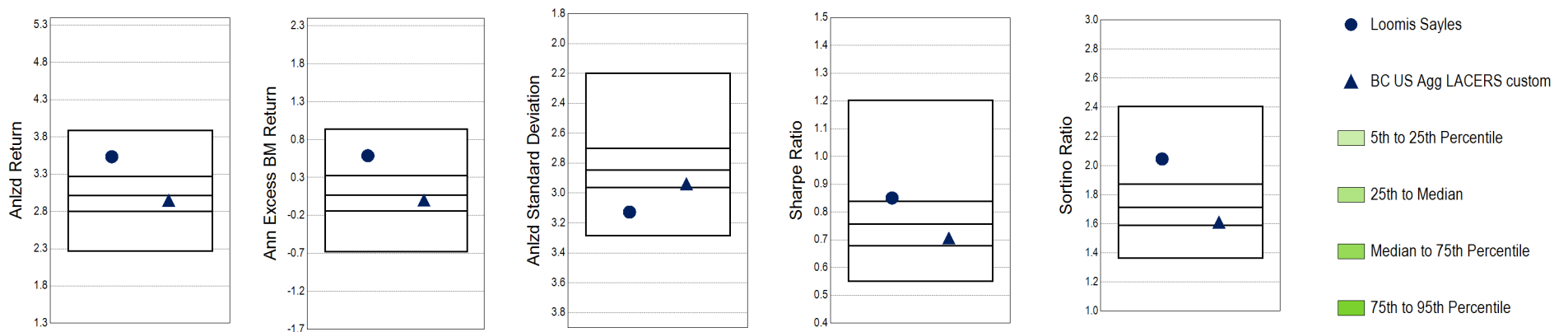
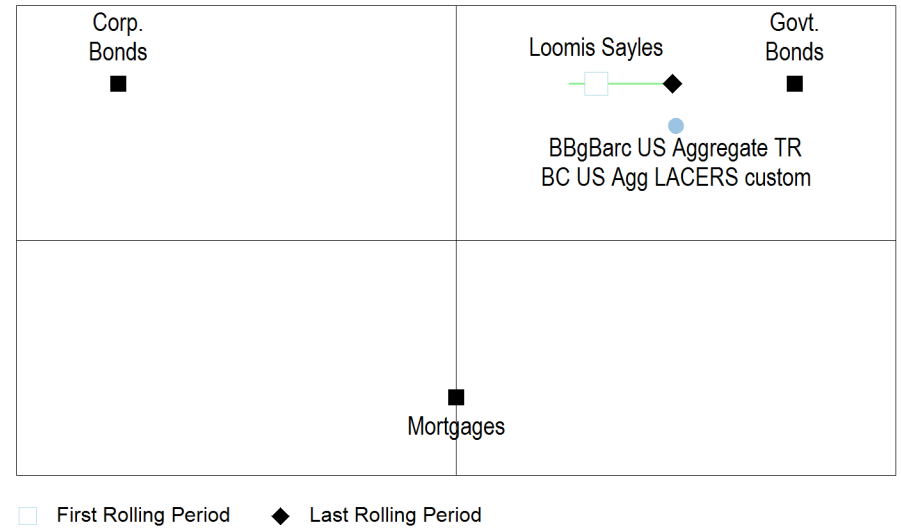
Los Angeles City Employees' Retirement System

LOOMIS SAYLES

5 Year Risk Return



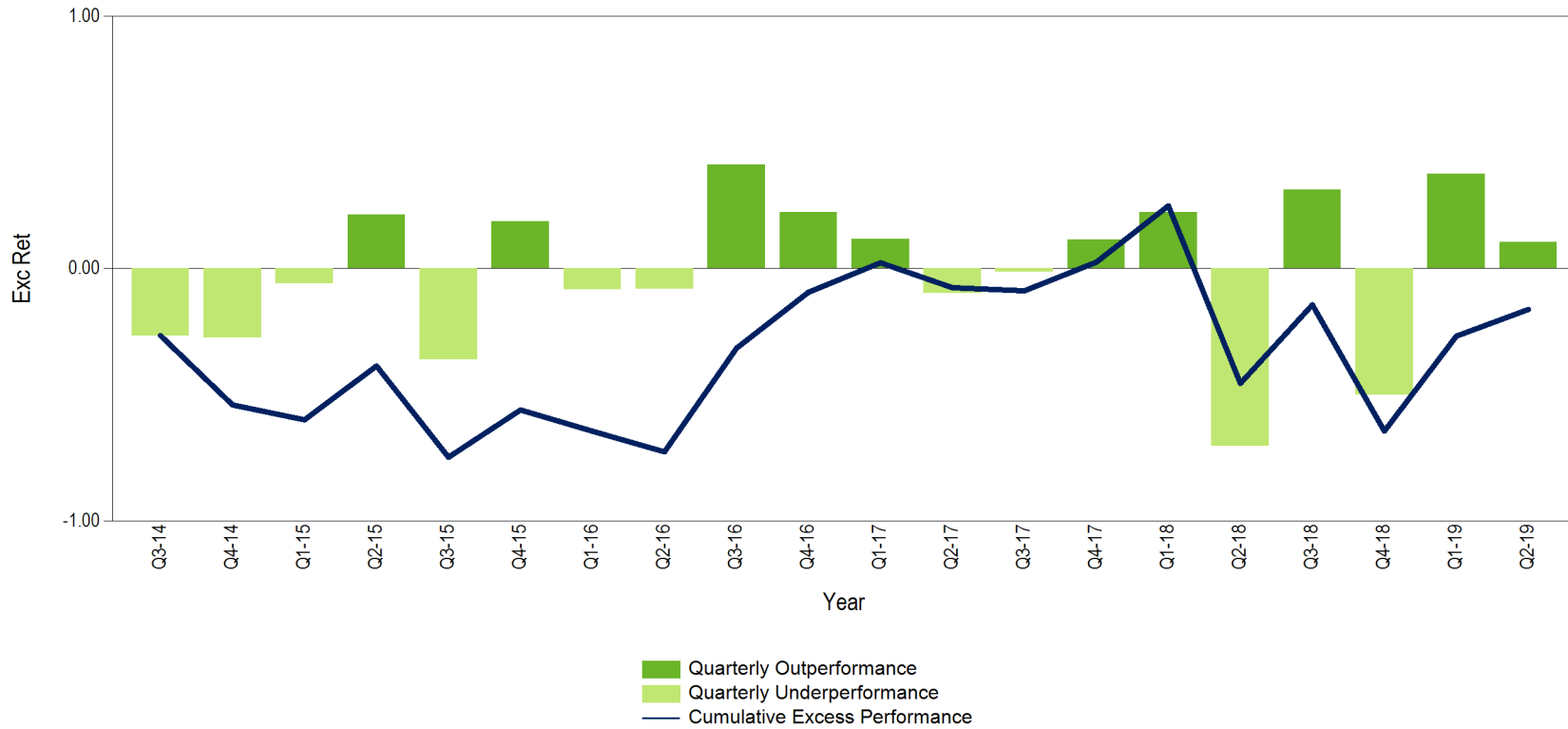
5 Year Style Map



Los Angeles City Employees' Retirement System

NEUBERGER BERMAN

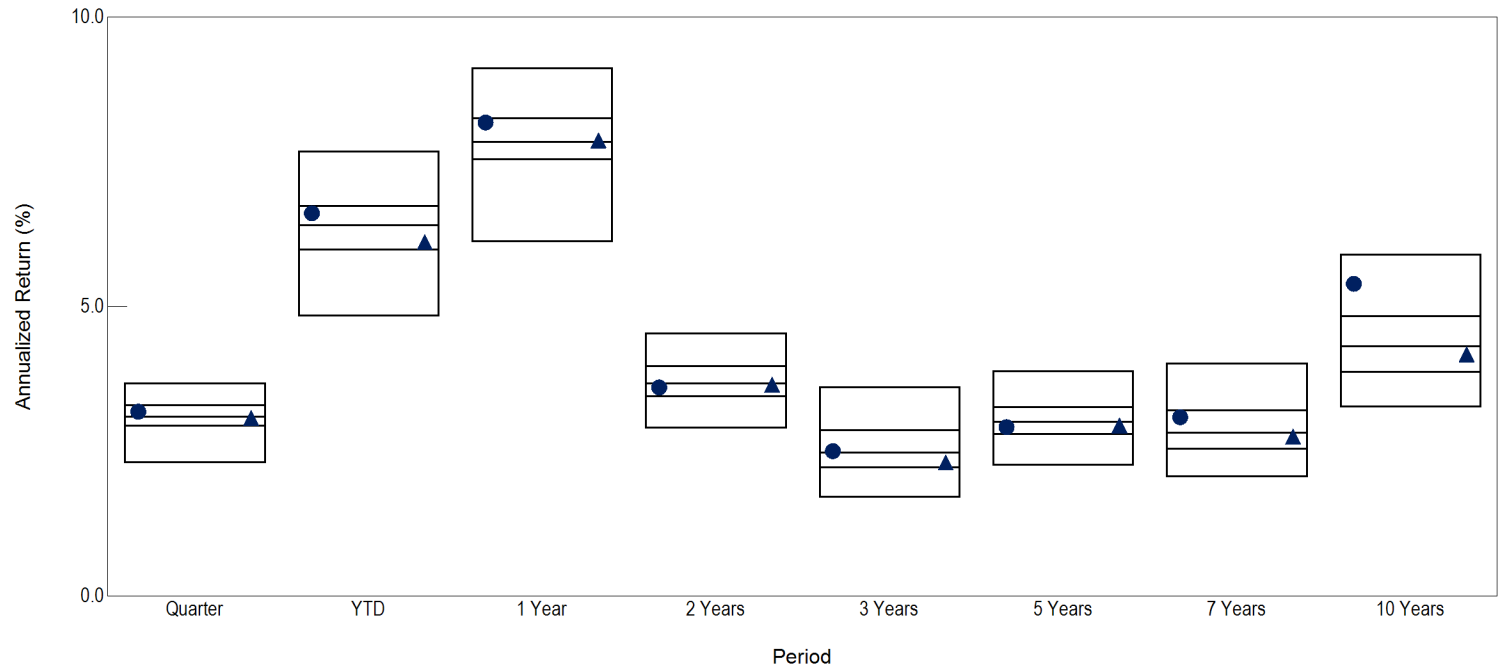
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

NEUBERGER BERMAN

Neuberger Berman vs. eV US Core Fixed Inc Net



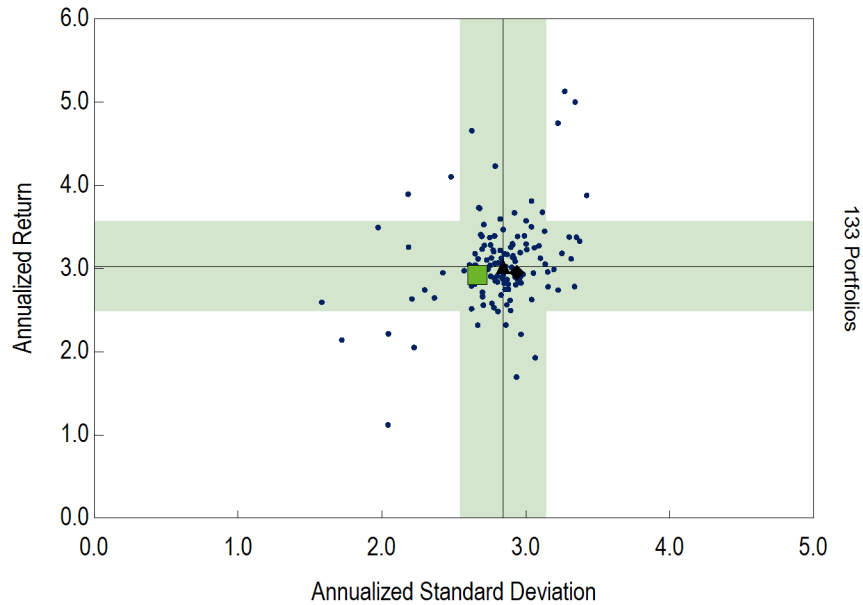
	Return (Rank)															
5th Percentile	3.68	7.68	9.11	4.53	3.61	3.88	4.02	5.89								
25th Percentile	3.31	6.74	8.27	3.98	2.88	3.28	3.22	4.84								
Median	3.11	6.41	7.85	3.68	2.50	3.02	2.83	4.32								
75th Percentile	2.96	5.99	7.56	3.46	2.23	2.81	2.56	3.89								
95th Percentile	2.32	4.86	6.14	2.92	1.73	2.28	2.08	3.29								
# of Portfolios	142	142	141	140	137	133	132	119								
● Neuberger Berman	3.19	(35)	6.61	(39)	8.18	(30)	3.60	(61)	2.50	(50)	2.92	(62)	3.09	(36)	5.39	(12)
▲ Core Fixed Income Blend	3.08	(56)	6.11	(69)	7.87	(49)	3.65	(54)	2.31	(65)	2.95	(58)	2.76	(59)	4.17	(60)



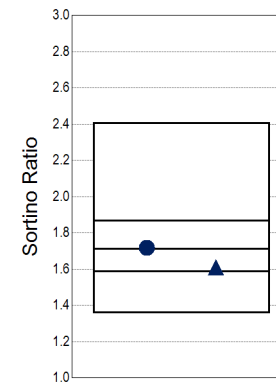
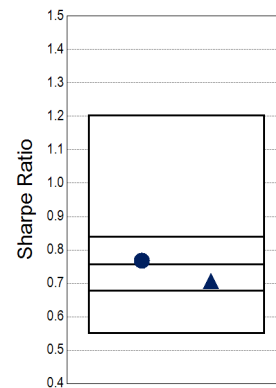
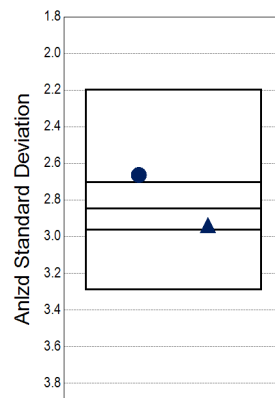
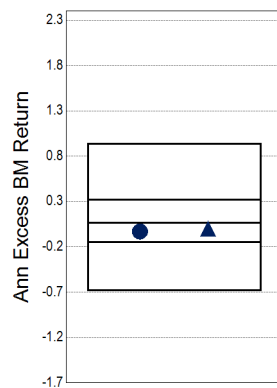
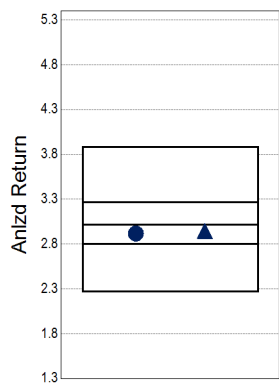
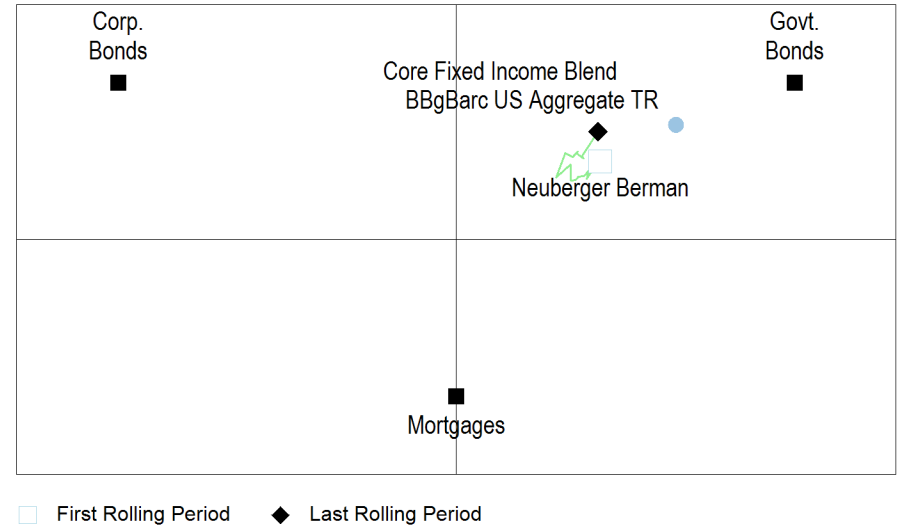
Los Angeles City Employees' Retirement System

NEUBERGER BERMAN

5 Year Risk Return



5 Year Style Map



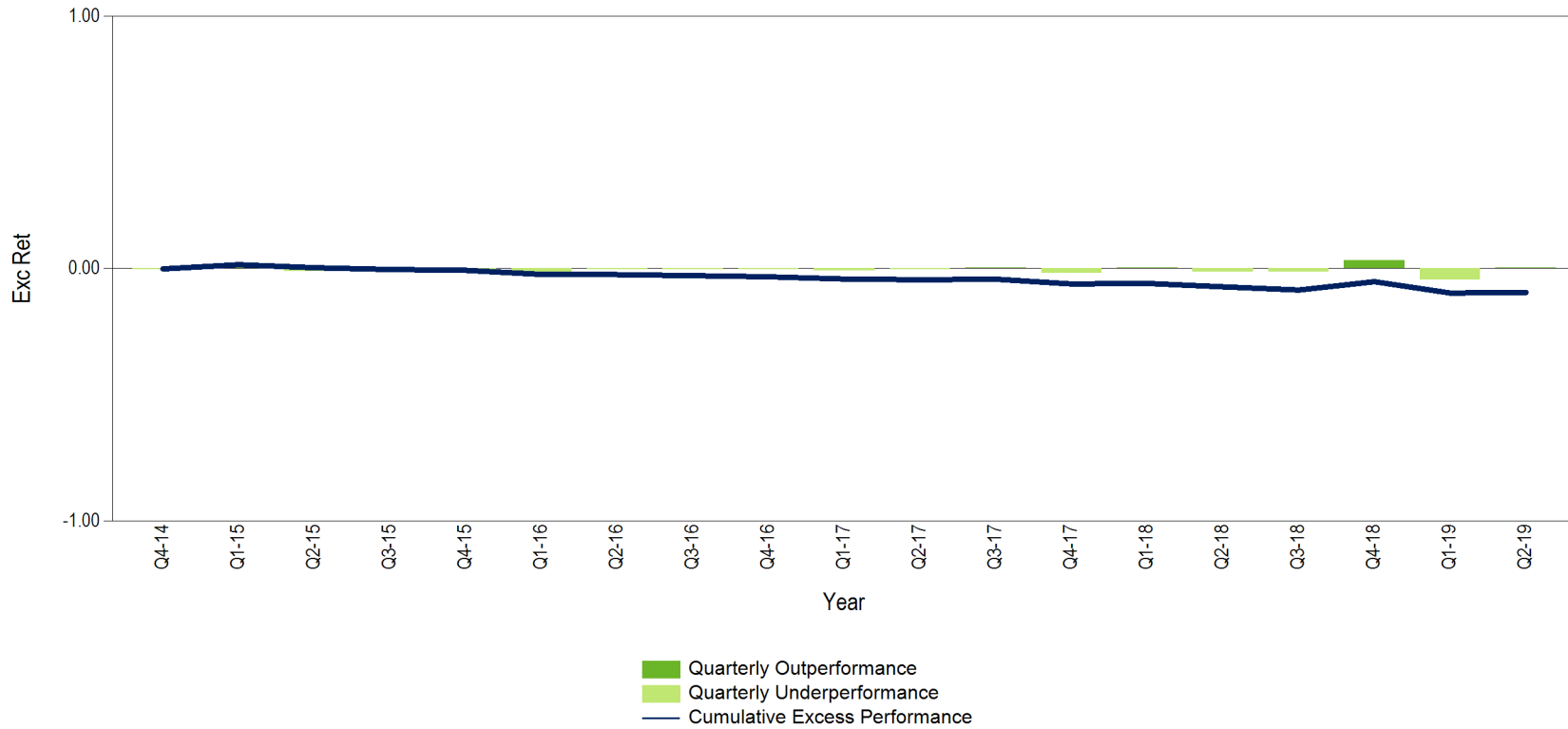
- Neuberger Berman
- ▲ Core Fixed Income Blend
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



Los Angeles City Employees' Retirement System

SSGA U.S. AGGREGATE BOND

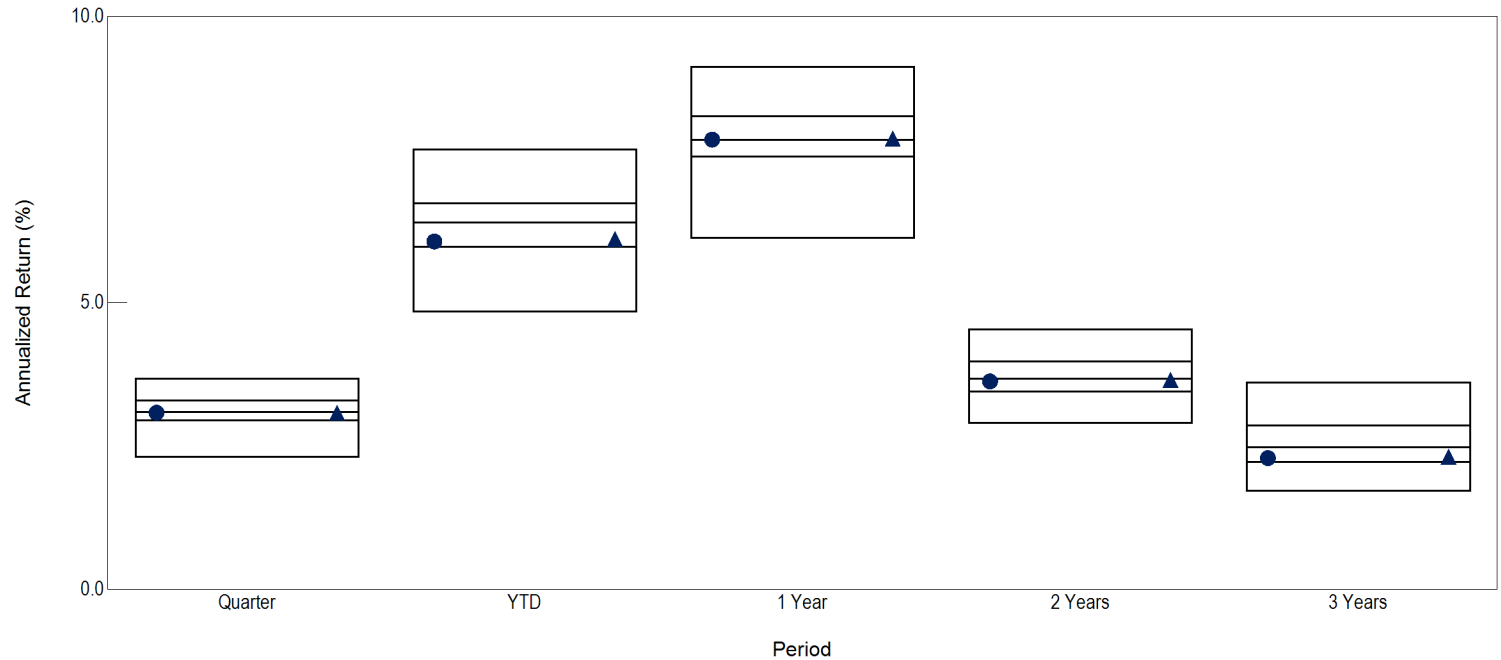
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

SSGA U.S. AGGREGATE BOND

SSgA U.S. Aggregate Bond vs. eV US Core Fixed Inc Net



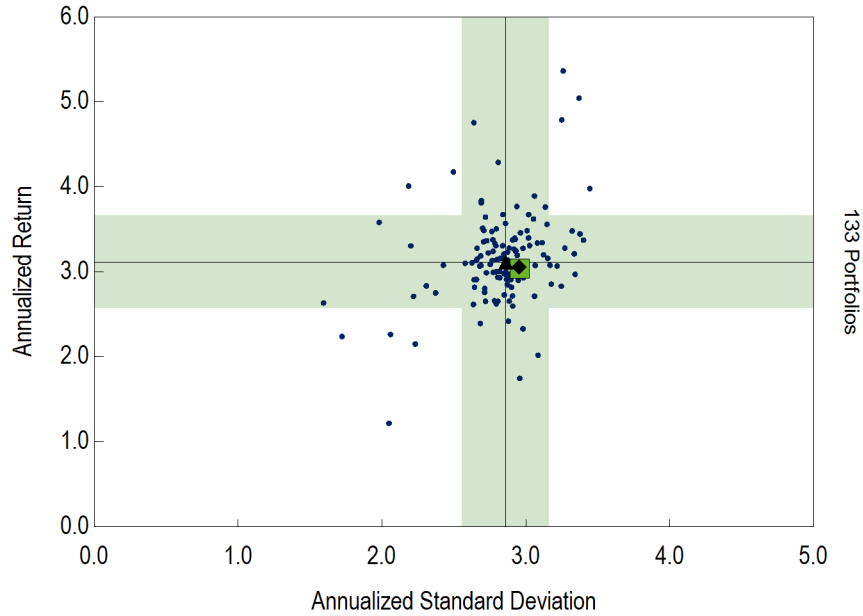
	Return (Rank)									
5th Percentile	3.68		7.68		9.11		4.53		3.61	
25th Percentile	3.31		6.74		8.27		3.98		2.88	
Median	3.11		6.41		7.85		3.68		2.50	
75th Percentile	2.96		5.99		7.56		3.46		2.23	
95th Percentile	2.32		4.86		6.14		2.92		1.73	
# of Portfolios	142		142		141		140		137	
● SSGA U.S. Aggregate Bond	3.08	(56)	6.07	(72)	7.85	(51)	3.63	(58)	2.29	(67)
▲ BBgBarc US Aggregate TR	3.08	(56)	6.11	(69)	7.87	(49)	3.65	(54)	2.31	(65)



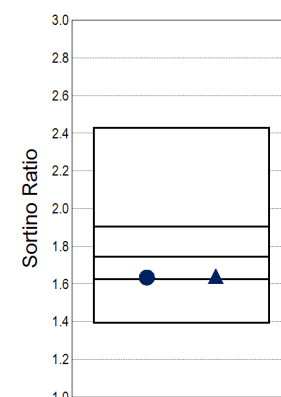
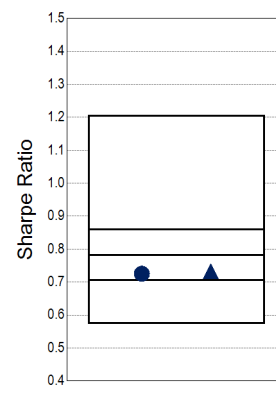
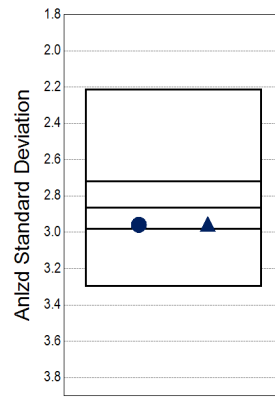
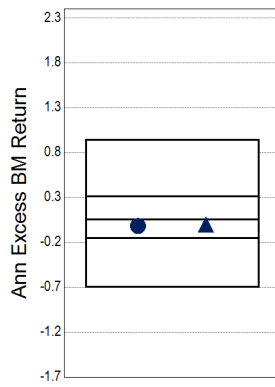
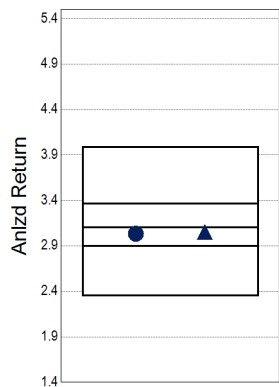
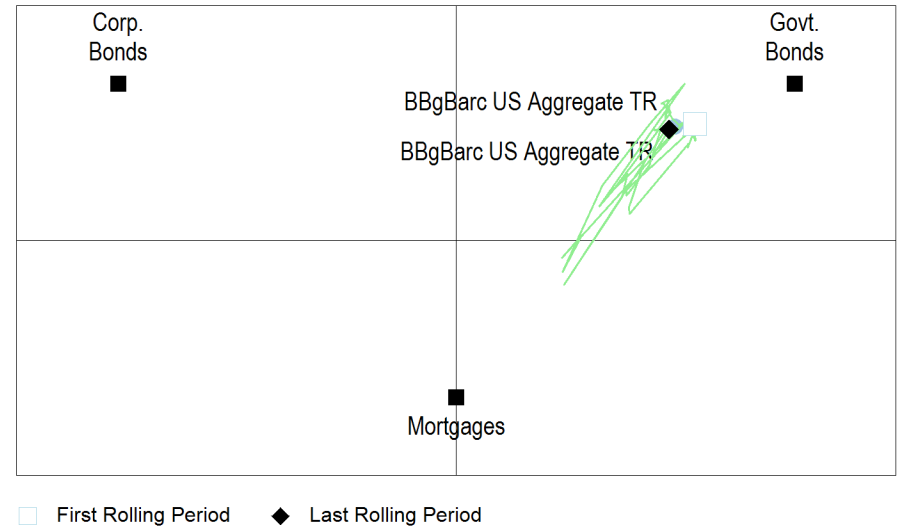
Los Angeles City Employees' Retirement System

SSGA U.S. AGGREGATE BOND

Since Inception Risk Return



Since Inception Style Map



- SSGA U.S. Aggregate Bond
- ▲ BBgBarc US Aggregate TR
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



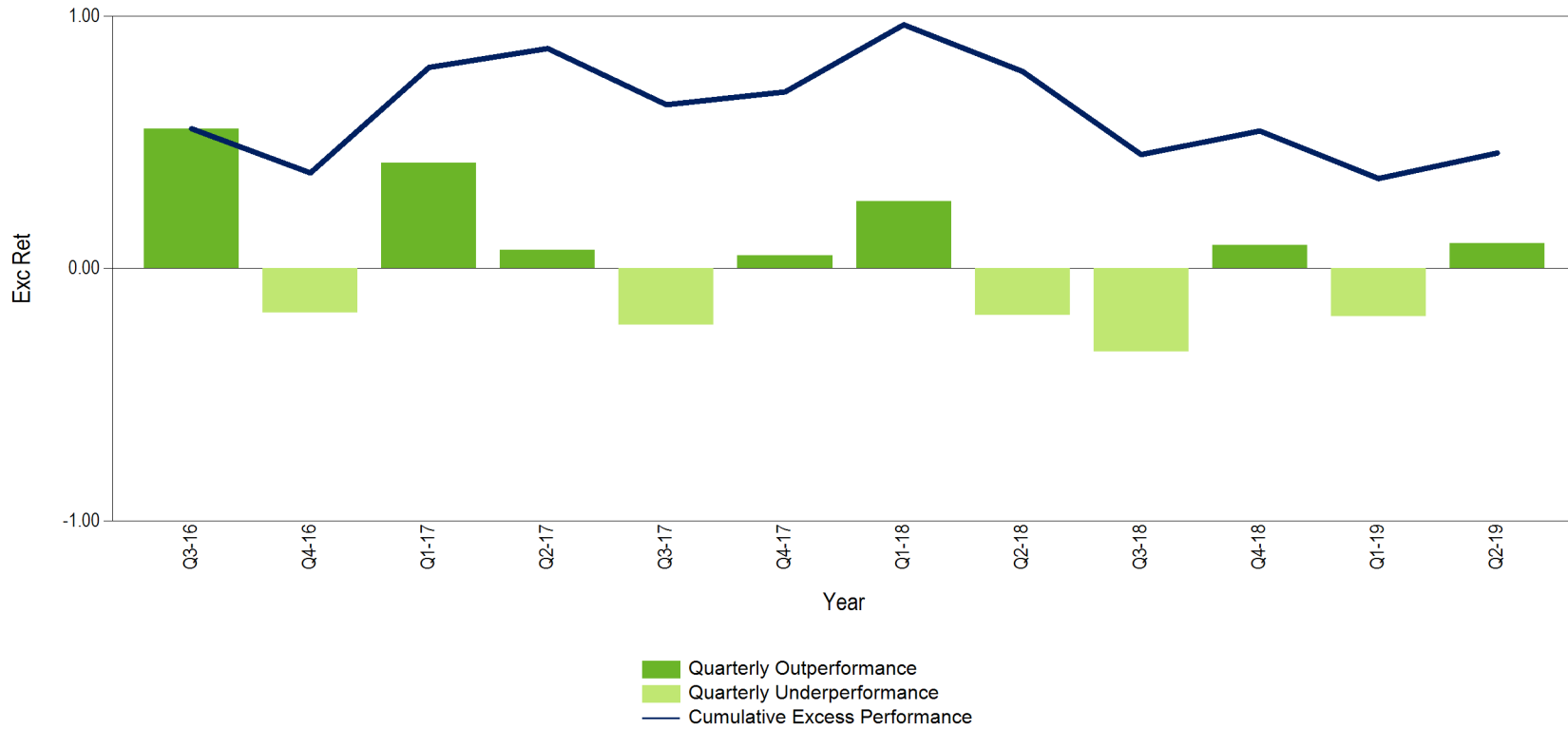
CREDIT OPPORTUNITIES MANAGER PERFORMANCE

NEPC, LLC

Los Angeles City Employees' Retirement System

AEGON USA

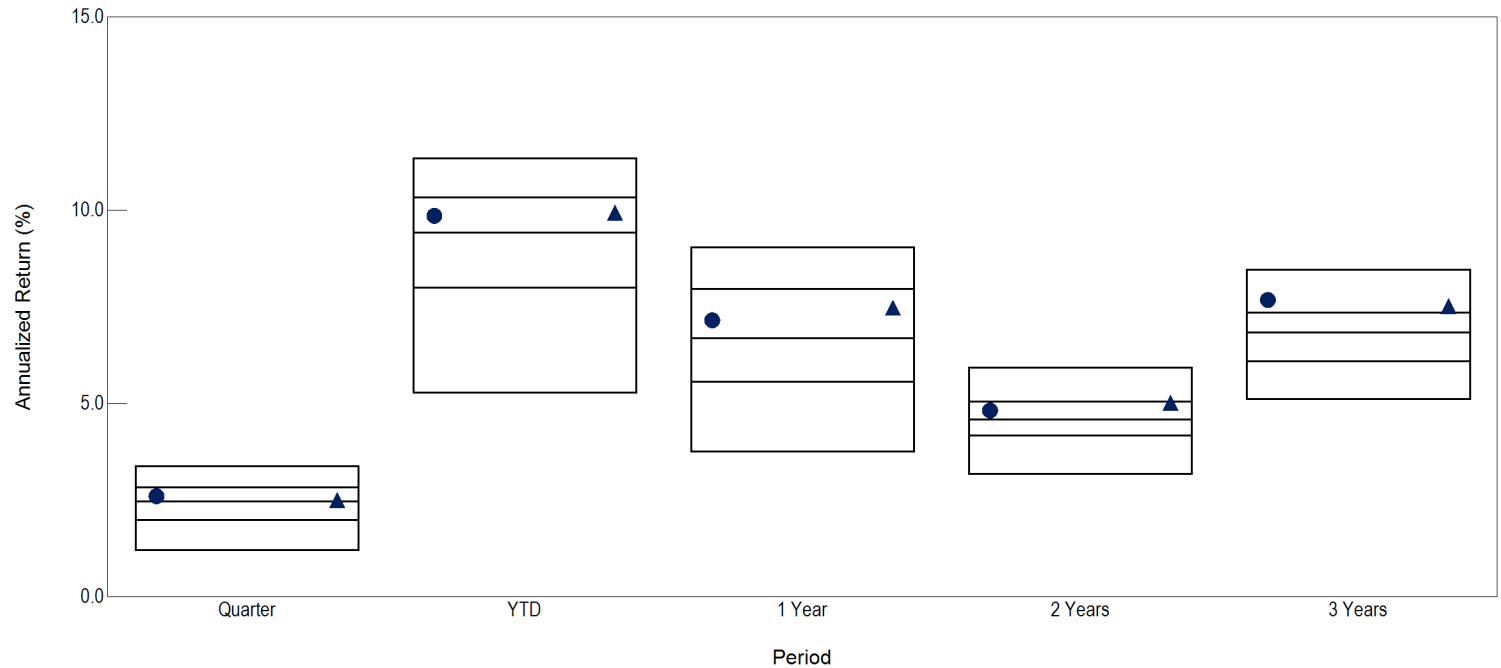
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

AEGON USA

AEGON USA vs. eV US High Yield Fixed Inc Net



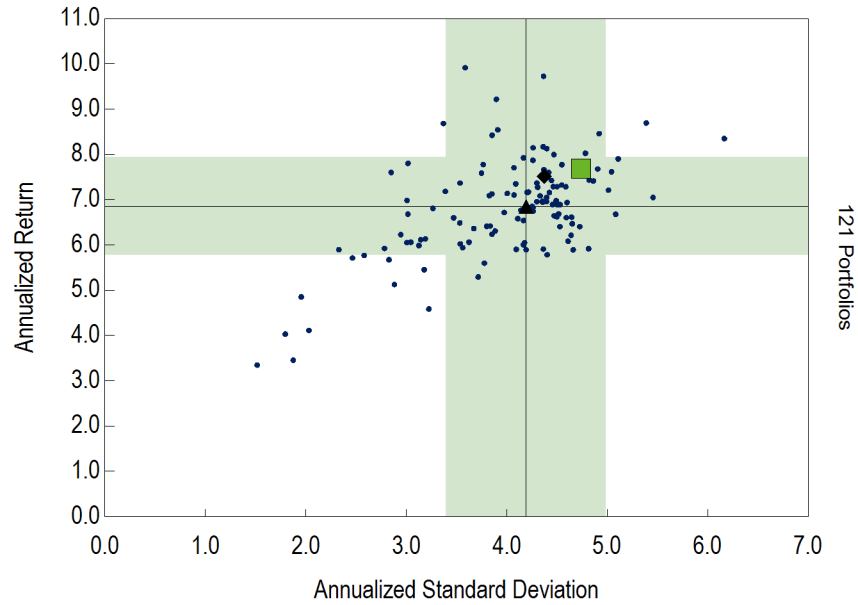
	Return (Rank)									
5th Percentile	3.38		11.34		9.05		5.93		8.46	
25th Percentile	2.85		10.35		7.98		5.07		7.37	
Median	2.48		9.43		6.71		4.60		6.85	
75th Percentile	2.00		8.02		5.58		4.19		6.12	
95th Percentile	1.22		5.30		3.77		3.19		5.12	
# of Portfolios	126		126		126		123		121	
● AEGON USA	2.60	(40)	9.85	(42)	7.15	(42)	4.82	(38)	7.68	(18)
▲ BBgBarc US High Yield 2% Issuer Cap TR	2.50	(48)	9.94	(38)	7.48	(35)	5.02	(27)	7.52	(23)



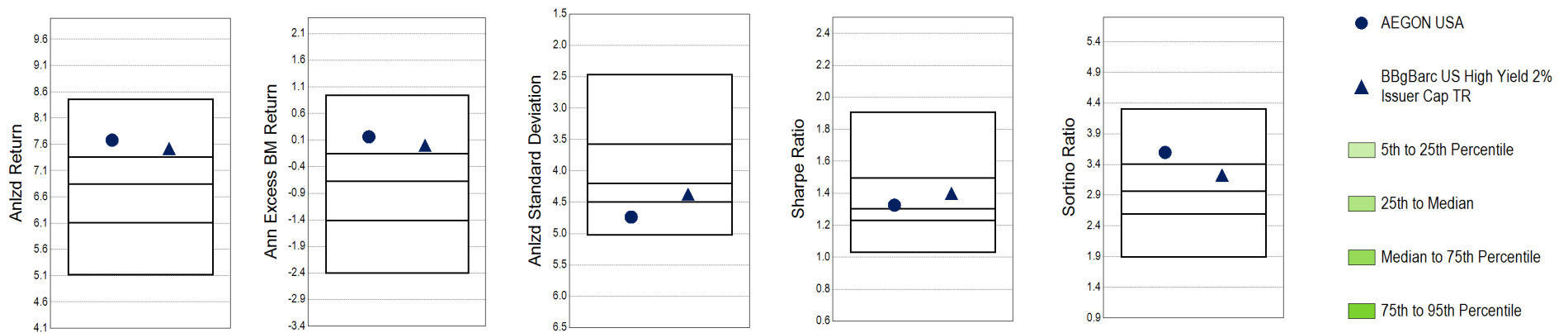
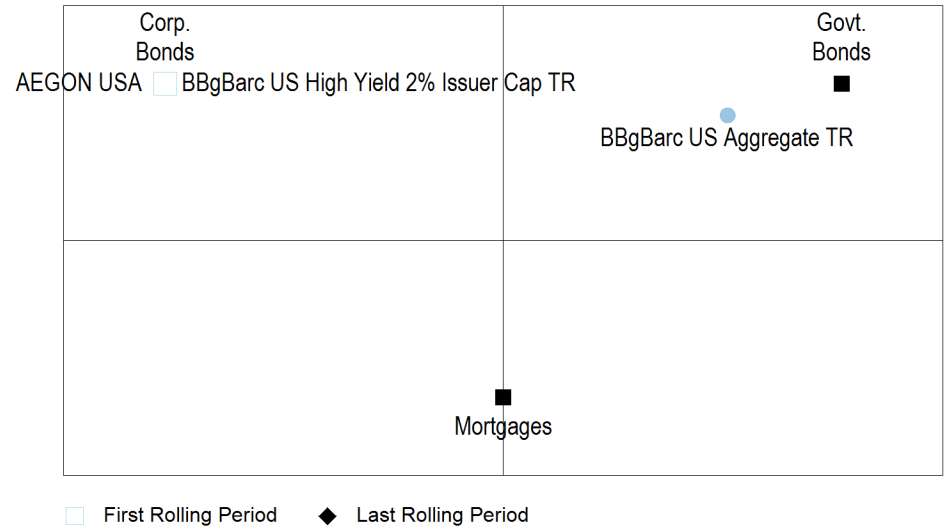
Los Angeles City Employees' Retirement System

AEGON USA

3 Year Risk Return

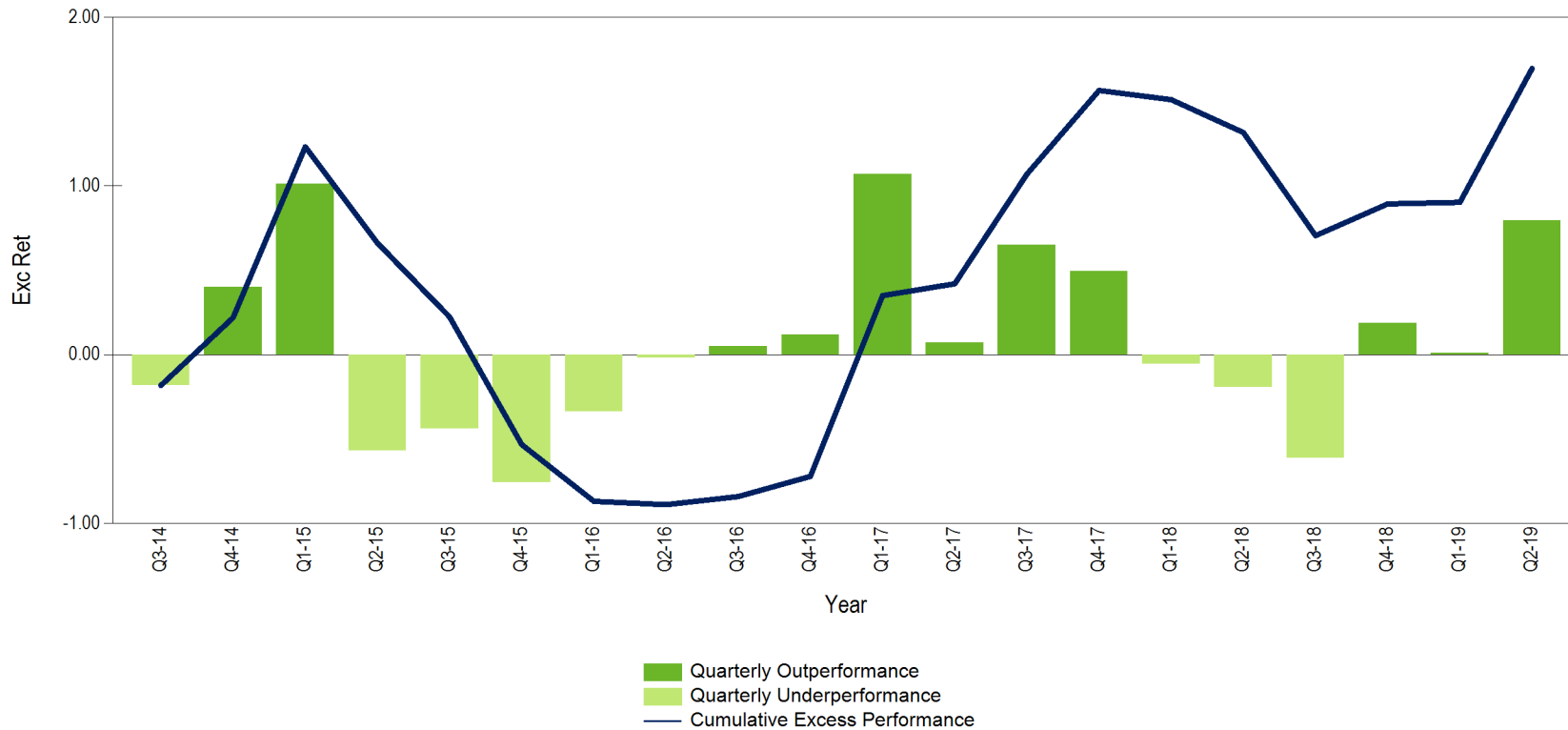


3 Year Style Map



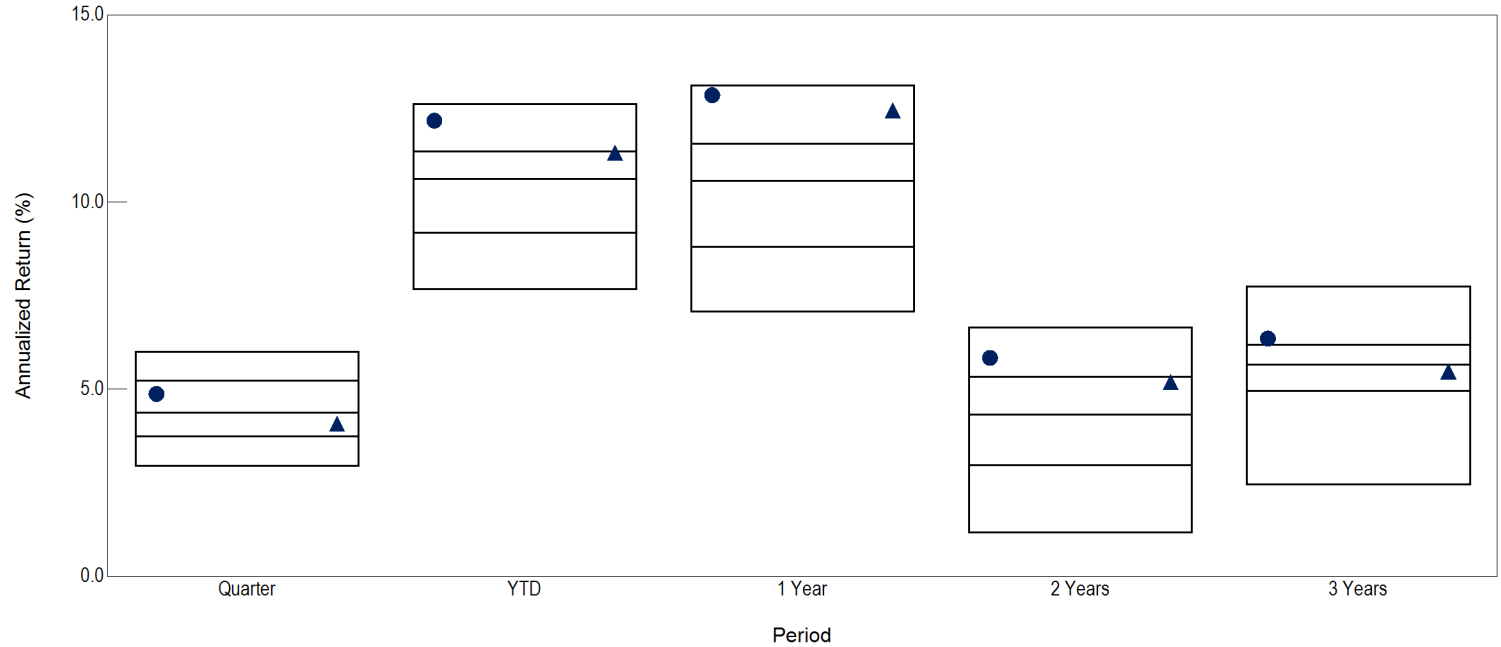
PRUDENTIAL EMERGING MARKETS

Quarterly and Cumulative Excess Performance



PRUDENTIAL EMERGING MARKETS

Prudential Emerging Markets vs. eV Emg Mkt Fixed Inc Hedged Net

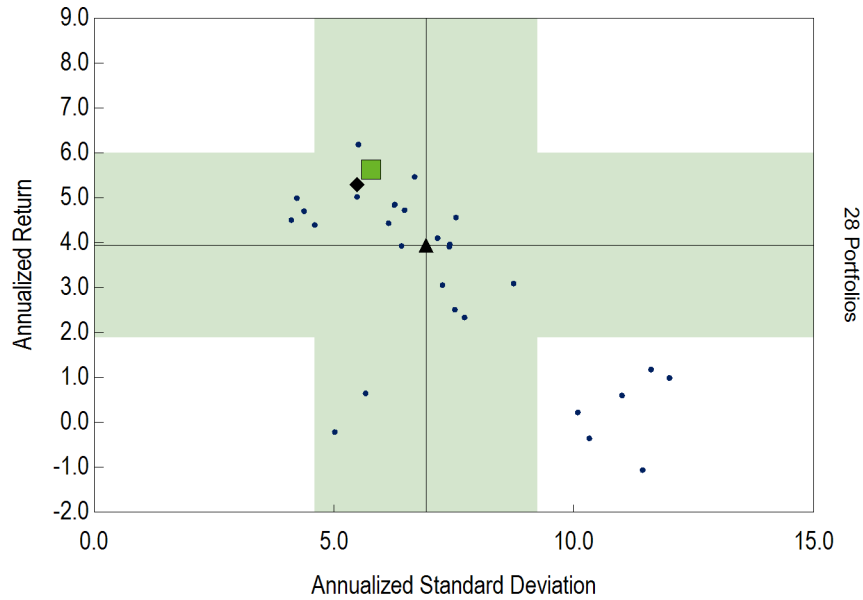


	Return (Rank)									
5th Percentile	5.99		12.61		13.11		6.65		7.74	
25th Percentile	5.24		11.36		11.57		5.35		6.19	
Median	4.38		10.64		10.58		4.34		5.67	
75th Percentile	3.75		9.20		8.81		2.99		4.96	
95th Percentile	2.97		7.68		7.09		1.19		2.47	
# of Portfolios	40		40		37		37		37	
● Prudential Emerging Markets	4.87	(35)	12.17	(11)	12.85	(6)	5.83	(11)	6.35	(23)
▲ JP Morgan EMBI Global Diversified	4.08	(58)	11.31	(27)	12.45	(10)	5.19	(31)	5.47	(62)

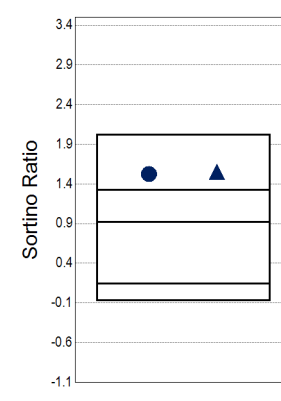
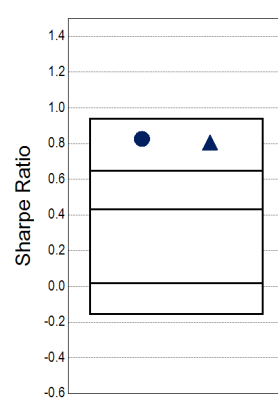
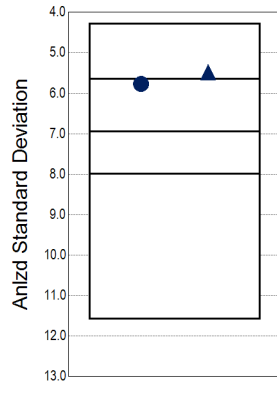
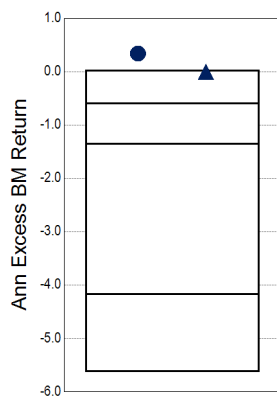
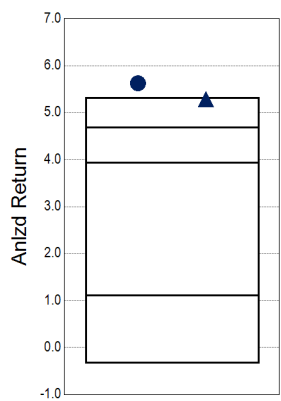
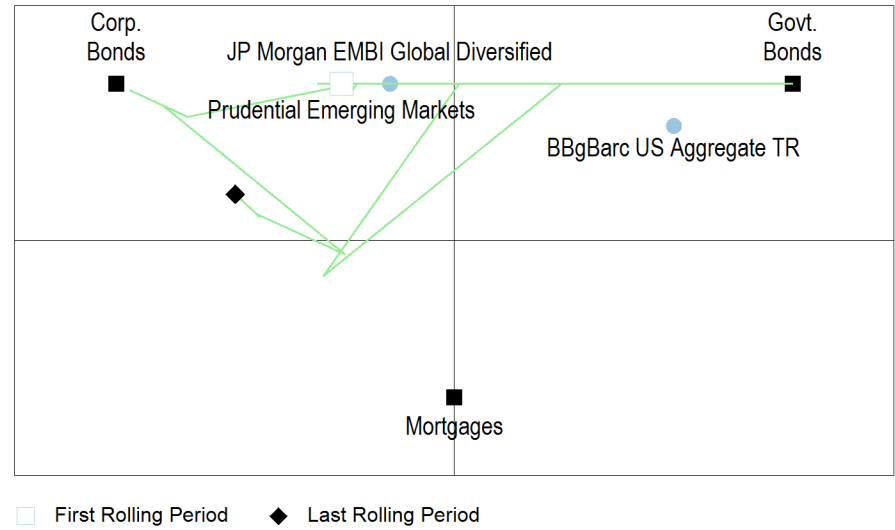


PRUDENTIAL EMERGING MARKETS

Since Inception Risk Return



Since Inception Style Map

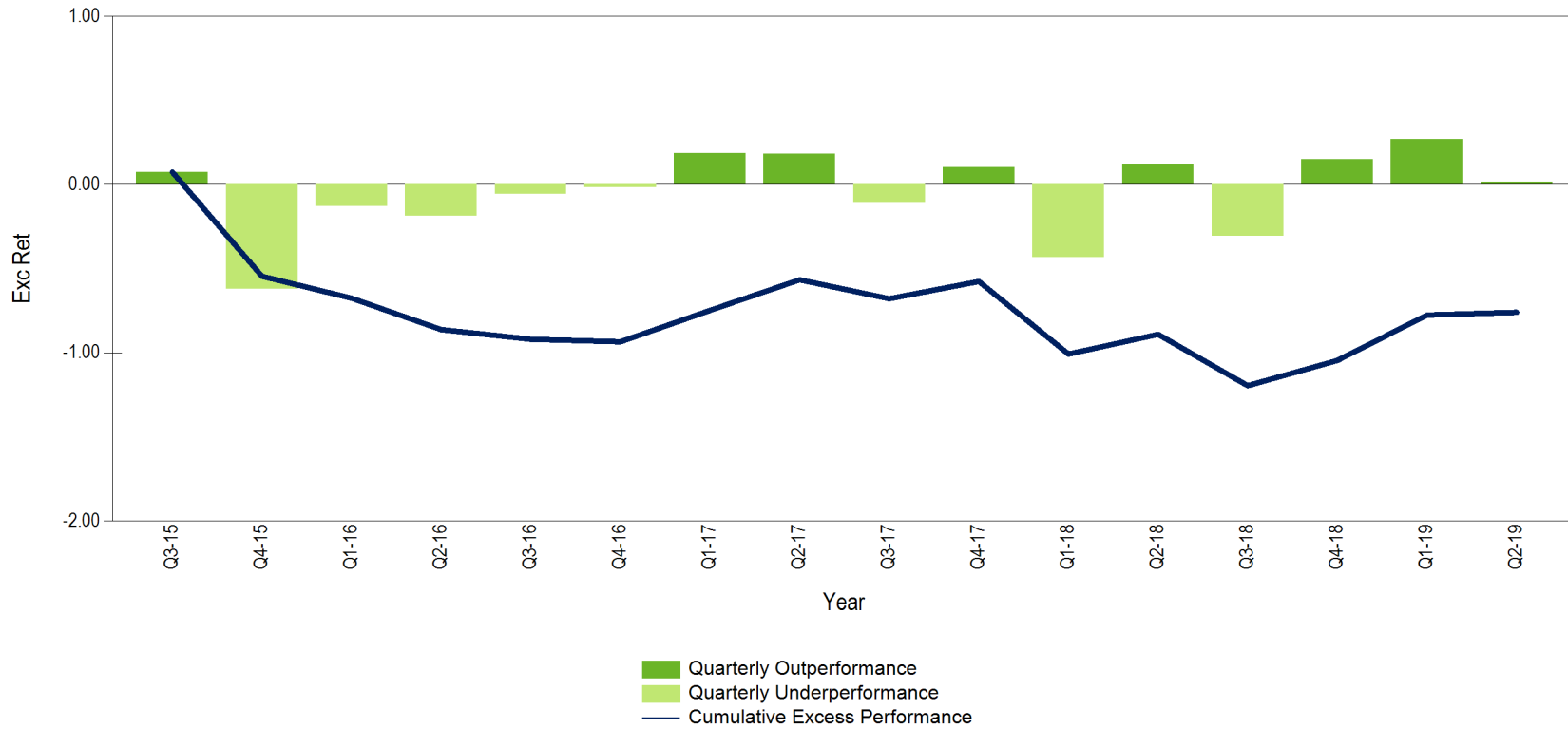


- Prudential Emerging Markets
- ▲ JP Morgan EMBI Global Div...
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



BAIN CAPITAL SENIOR LOAN FUND, LP

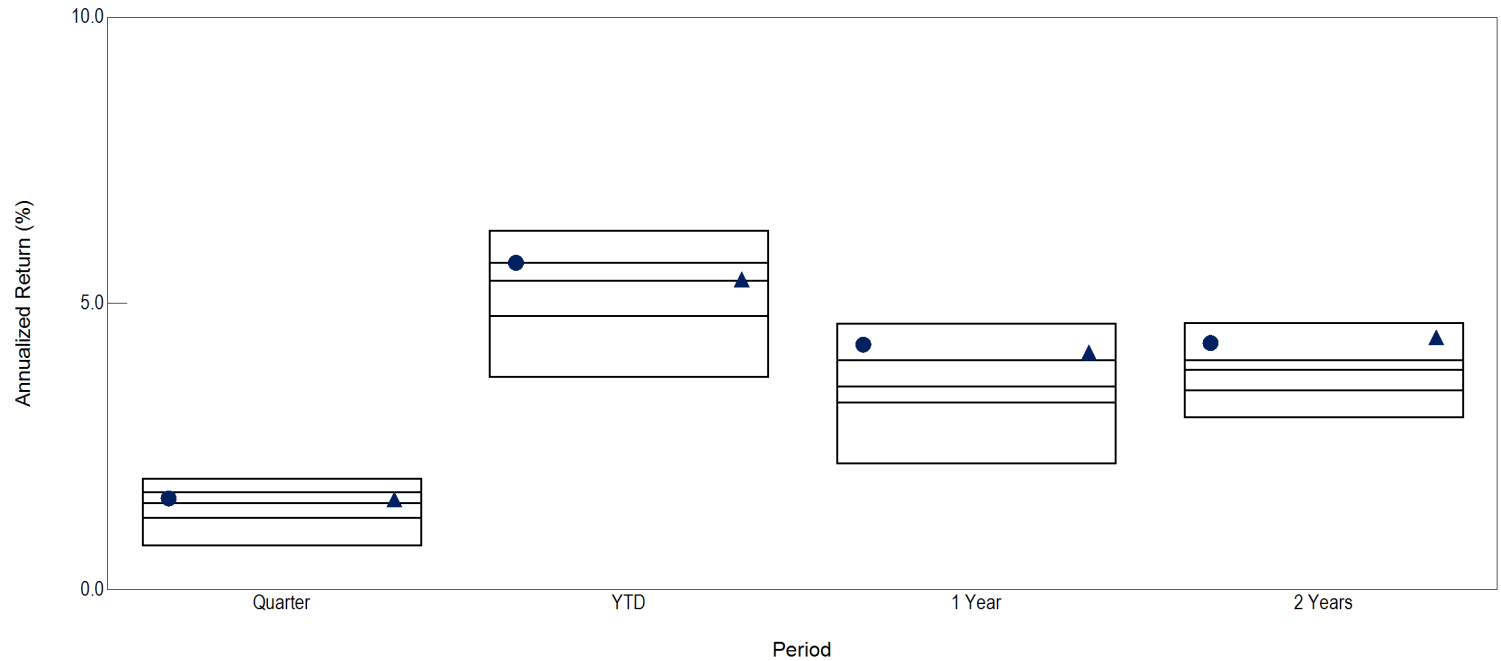
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

BAIN CAPITAL SENIOR LOAN FUND, LP

Bain Capital Senior Loan Fund, LP vs. eV US Float-Rate Bank Loan Fixed Inc Net

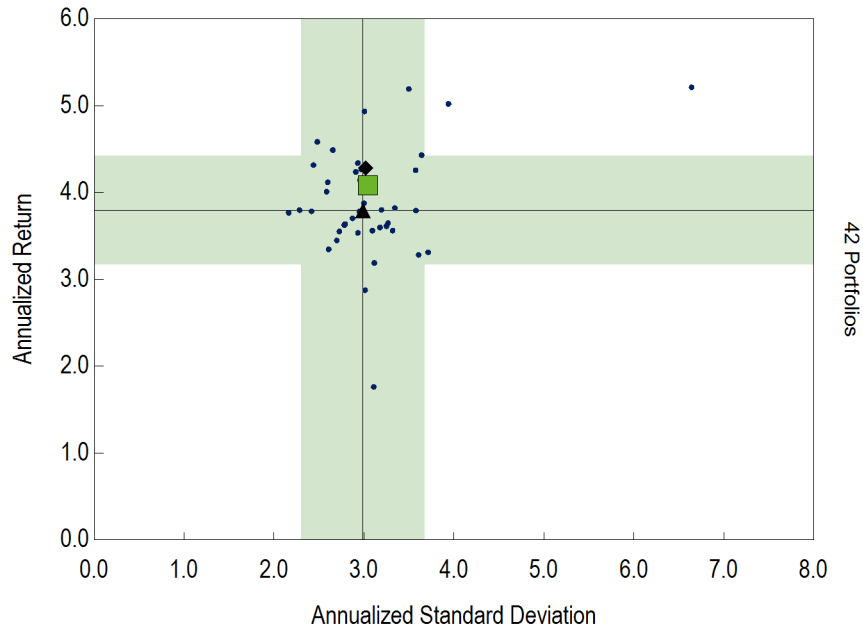


	Return (Rank)							
5th Percentile	1.94		6.27		4.65		4.66	
25th Percentile	1.72		5.73		4.02		4.02	
Median	1.53		5.40		3.56		3.85	
75th Percentile	1.27		4.79		3.28		3.49	
95th Percentile	0.79		3.72		2.22		3.03	
# of Portfolios	44		44		44		44	
● Bain Capital Senior Loan Fund, LP	1.60	(45)	5.71	(27)	4.28	(12)	4.31	(12)
▲ Credit Suisse Leveraged Loans	1.58	(46)	5.42	(47)	4.15	(19)	4.41	(11)

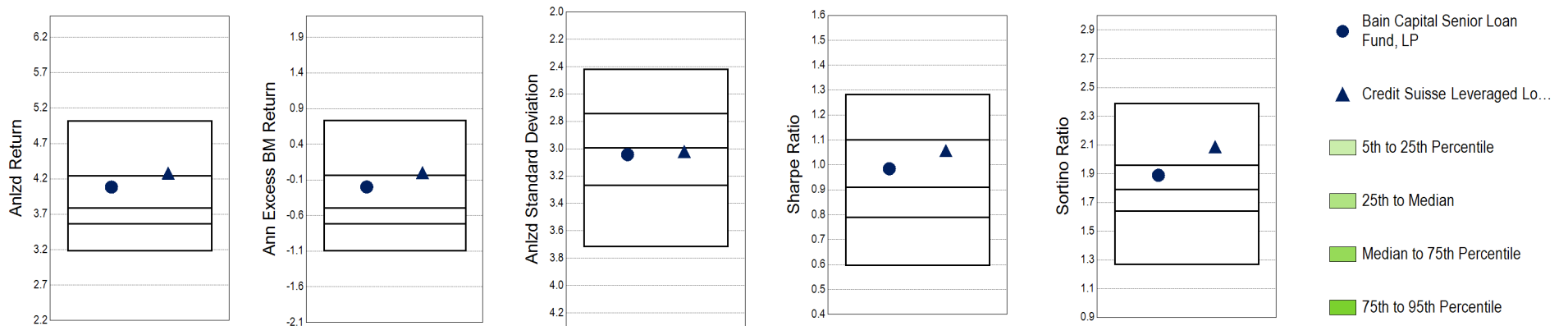
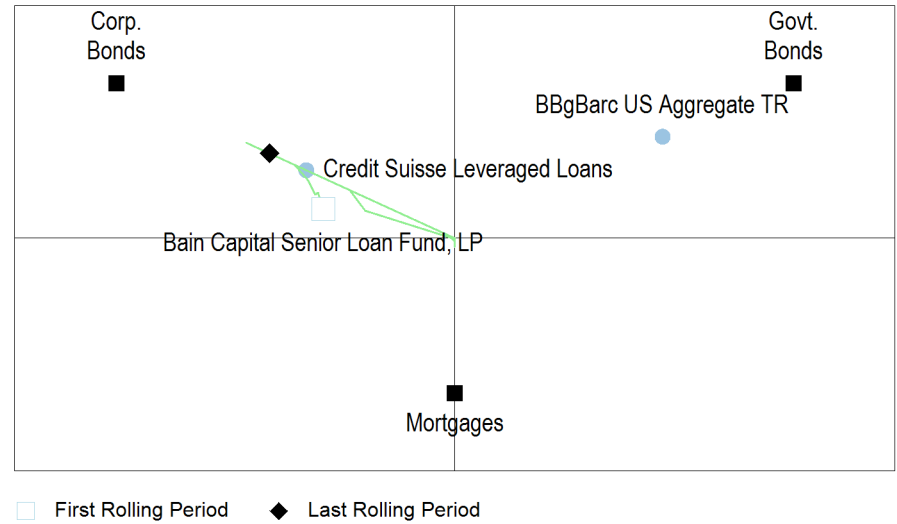


BAIN CAPITAL SENIOR LOAN FUND, LP

Since Inception Risk Return



Since Inception Style Map



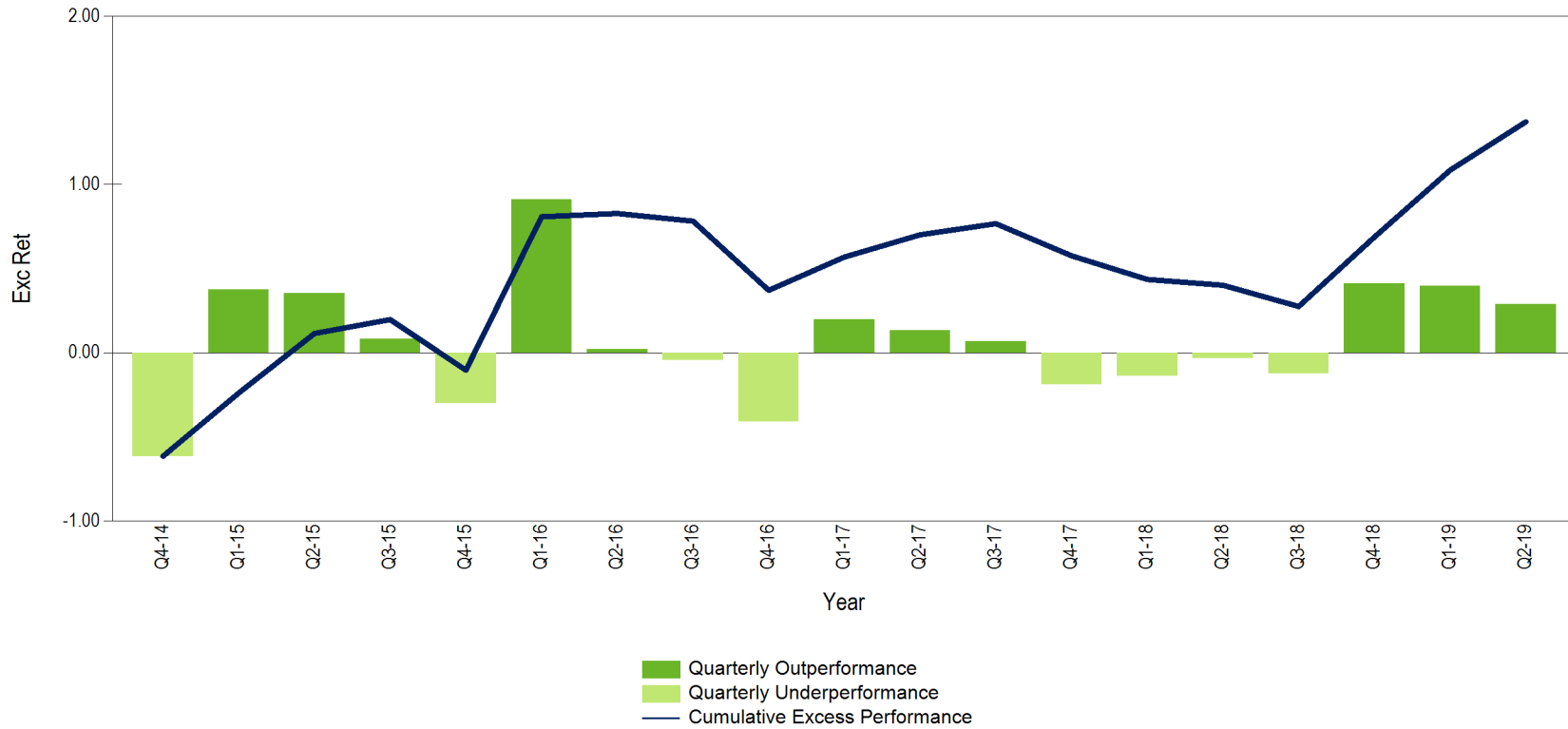
REAL ASSETS MANAGER PERFORMANCE

NEPC, LLC

Los Angeles City Employees' Retirement System

DFA US TIPS

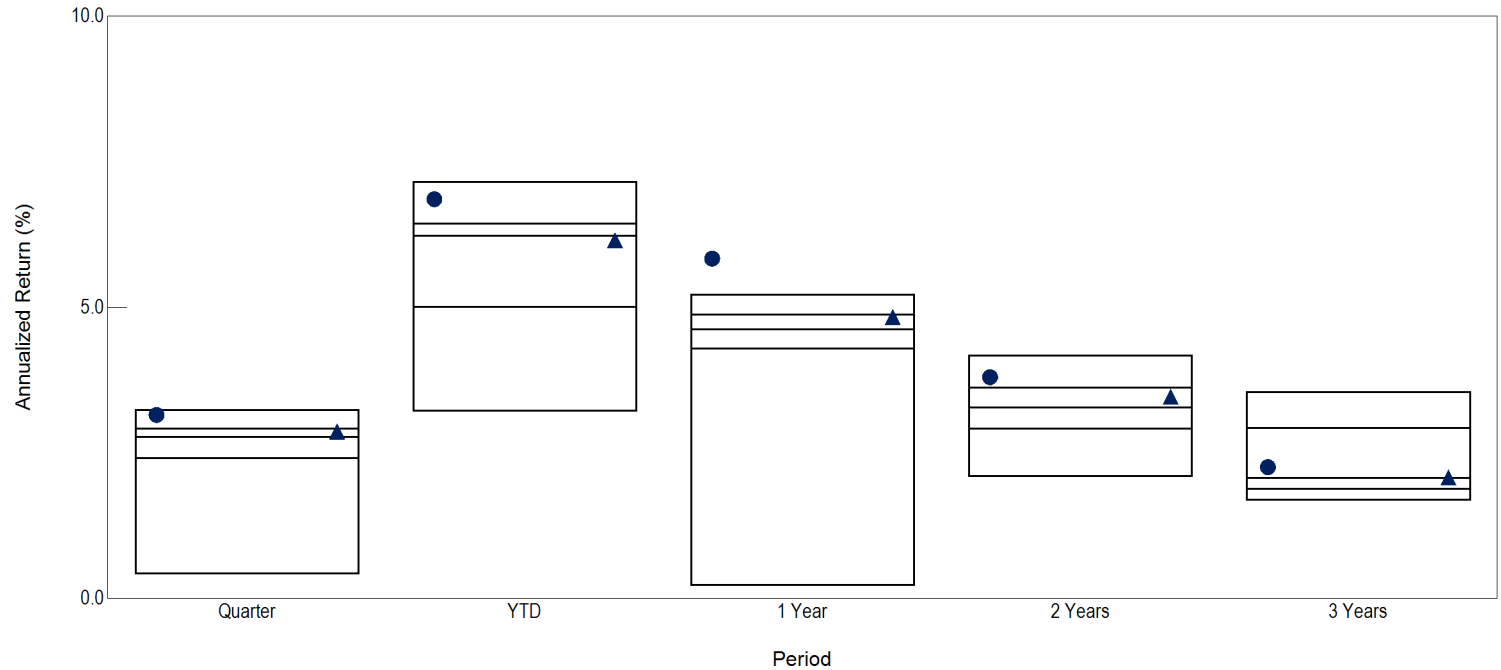
Quarterly and Cumulative Excess Performance



Los Angeles City Employees' Retirement System

DFA US TIPS

DFA US TIPS vs. eV US TIPS / Inflation Fixed Inc Net



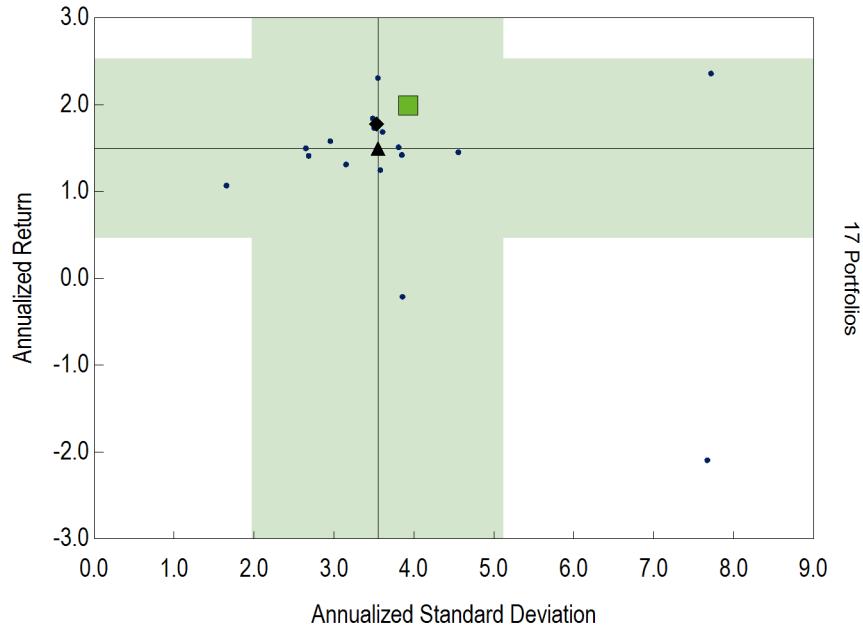
	Return (Rank)									
5th Percentile	3.24		7.16		5.22		4.17		3.55	
25th Percentile	2.93		6.45		4.89		3.63		2.94	
Median	2.79		6.24		4.63		3.29		2.09	
75th Percentile	2.42		5.02		4.31		2.94		1.90	
95th Percentile	0.44		3.24		0.25		2.12		1.71	
# of Portfolios	20		20		19		19		19	
● DFA US TIPS	3.15	(7)	6.86	(7)	5.84	(1)	3.80	(15)	2.26	(36)
▲ BbgBarc US TIPS TR	2.87	(39)	6.15	(58)	4.84	(27)	3.47	(38)	2.08	(51)



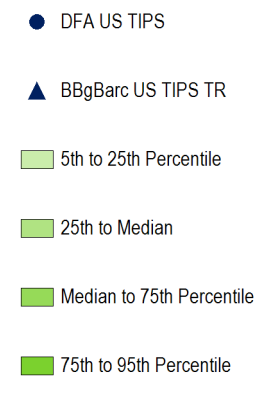
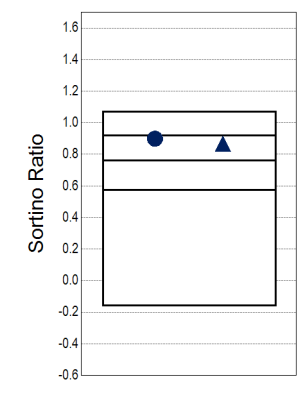
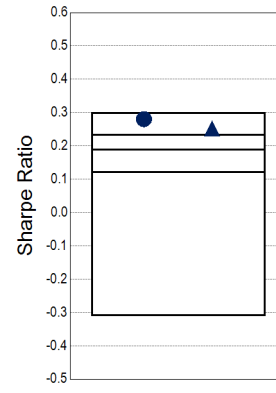
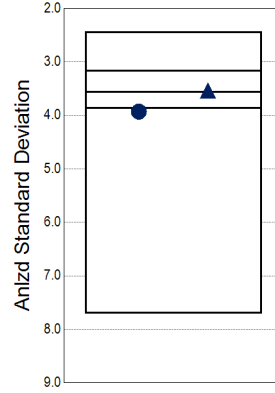
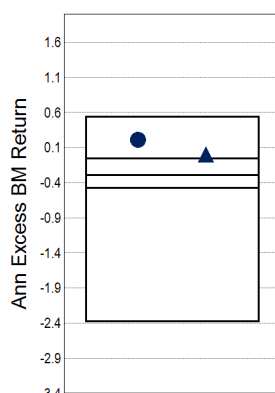
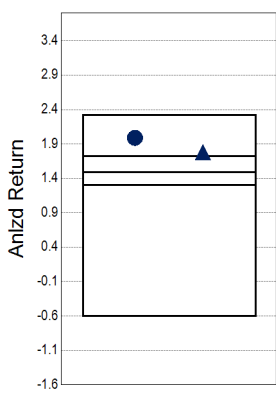
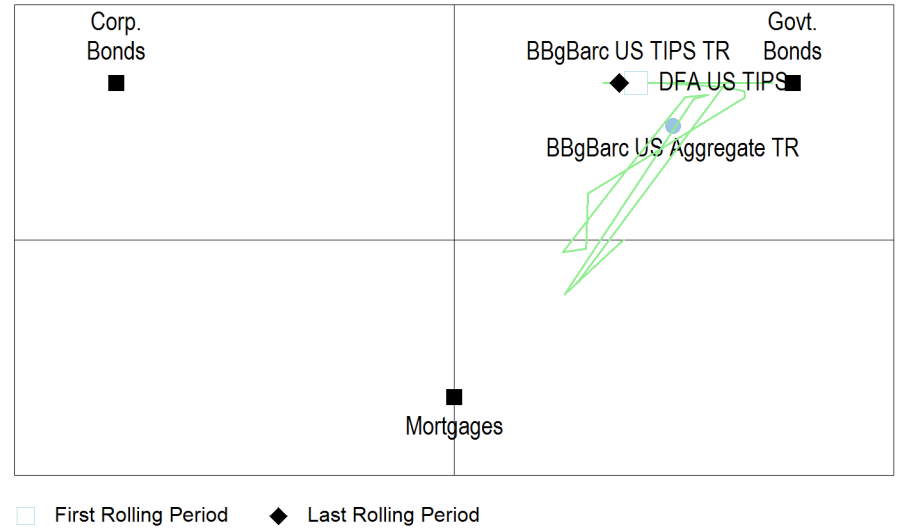
Los Angeles City Employees' Retirement System

DFA US TIPS

Since Inception Risk Return

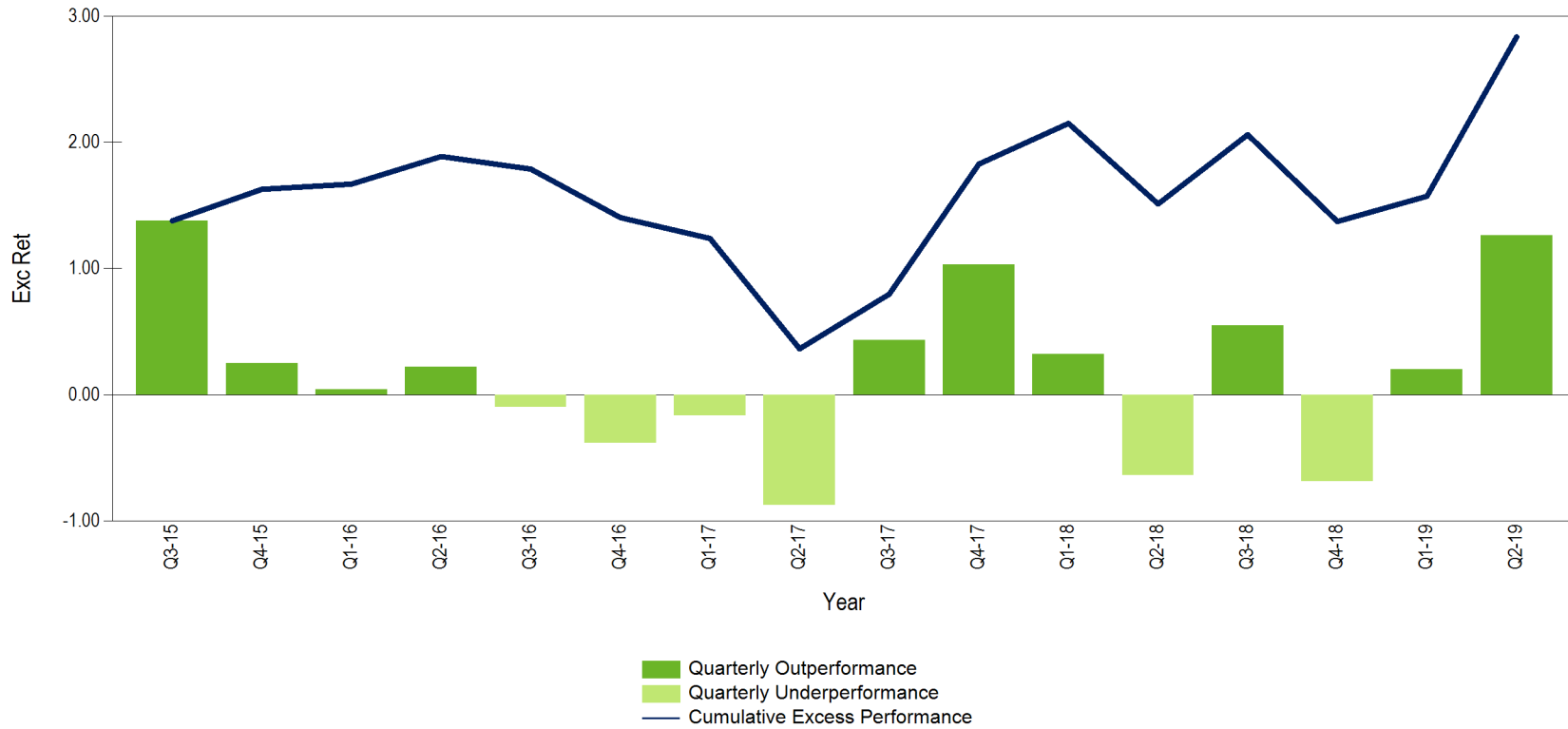


Since Inception Style Map



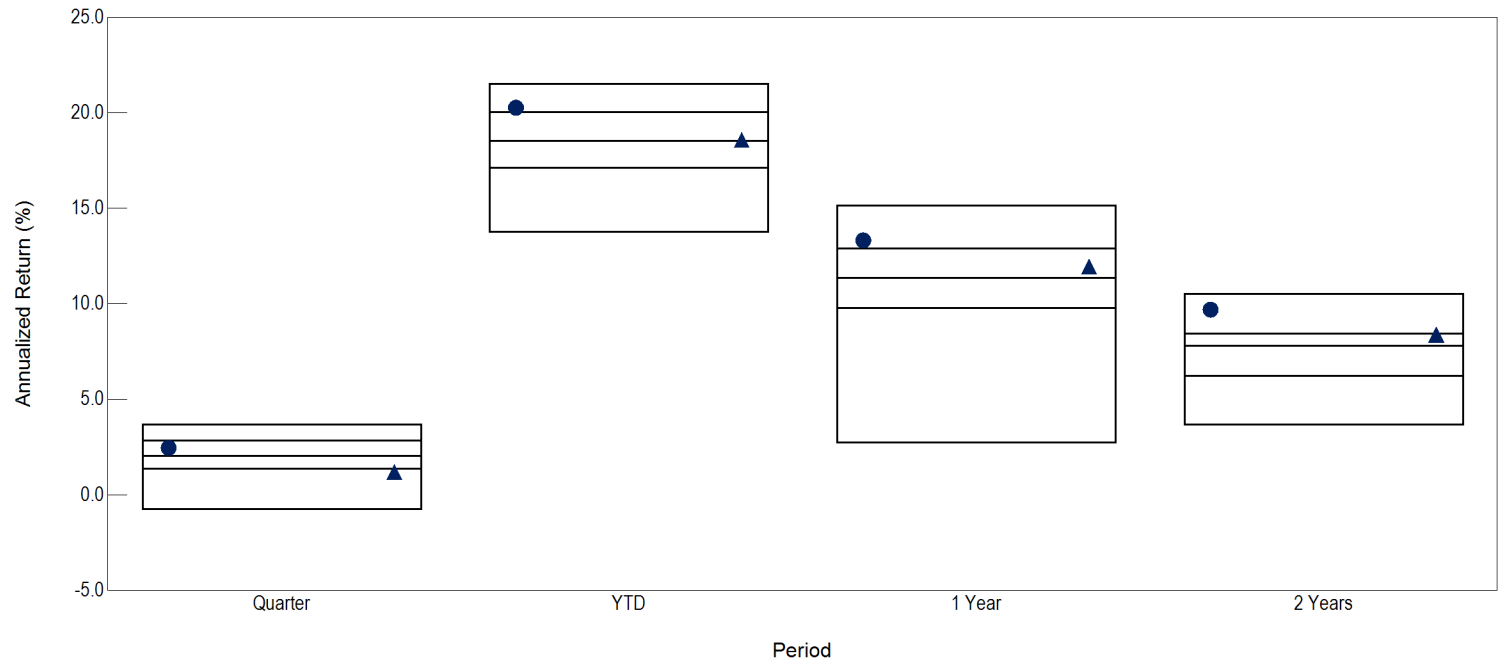
CENTERSQUARE US REAL ESTATE

Quarterly and Cumulative Excess Performance



CENTERSQUARE US REAL ESTATE

CenterSquare US Real Estate vs. eV US REIT Net

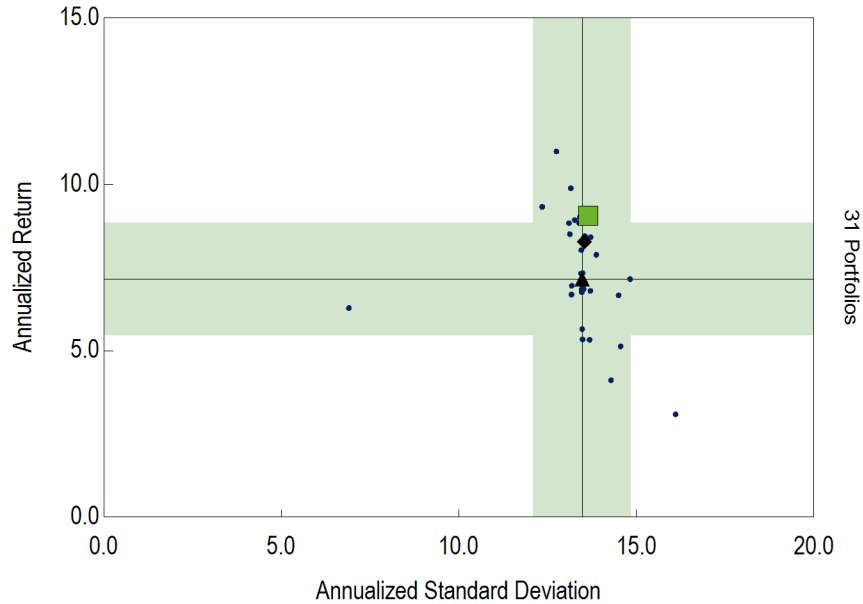


	Return (Rank)							
	Quarter	YTD	1 Year	2 Years	Quarter	YTD	1 Year	2 Years
5th Percentile	3.67	21.51	15.13	10.50				
25th Percentile	2.89	20.06	12.92	8.46				
Median	2.07	18.57	11.38	7.82				
75th Percentile	1.39	17.16	9.82	6.28				
95th Percentile	-0.70	13.81	2.77	3.72				
# of Portfolios	33	32	32	32				
● CenterSquare US Real Estate	2.46	(38)	20.26	(21)	13.32	(23)	9.69	(12)
▲ FTSE NAREIT All Equity REIT	1.19	(82)	18.57	(50)	11.94	(37)	8.38	(27)

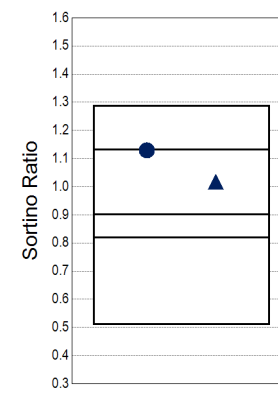
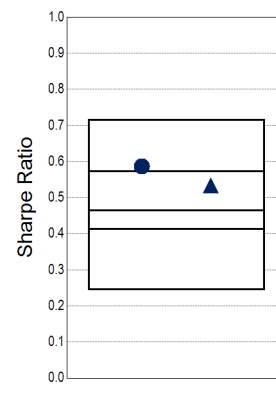
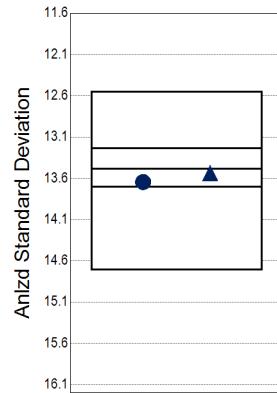
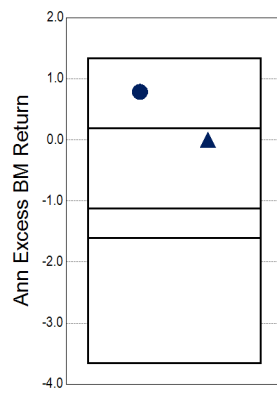
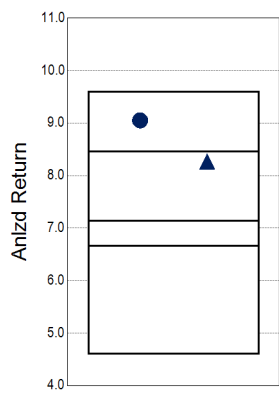
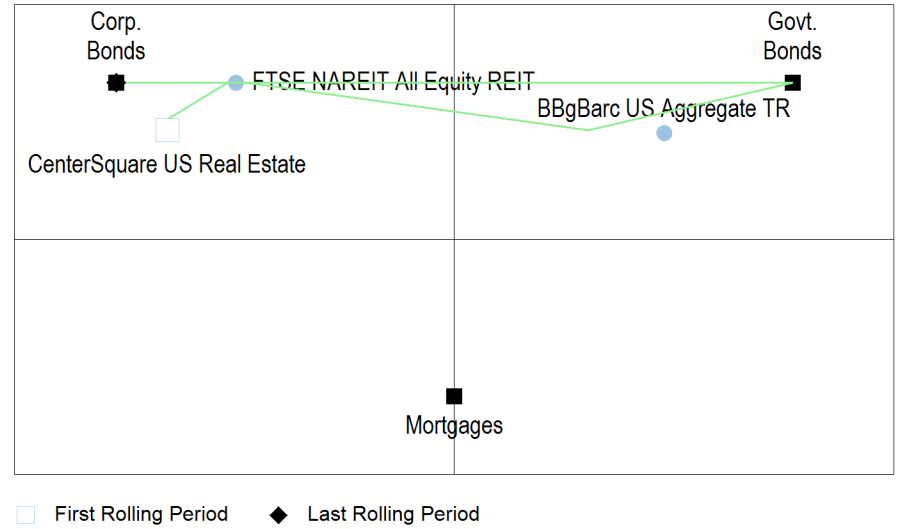


CENTERSQUARE US REAL ESTATE

Since Inception Risk Return



Since Inception Style Map



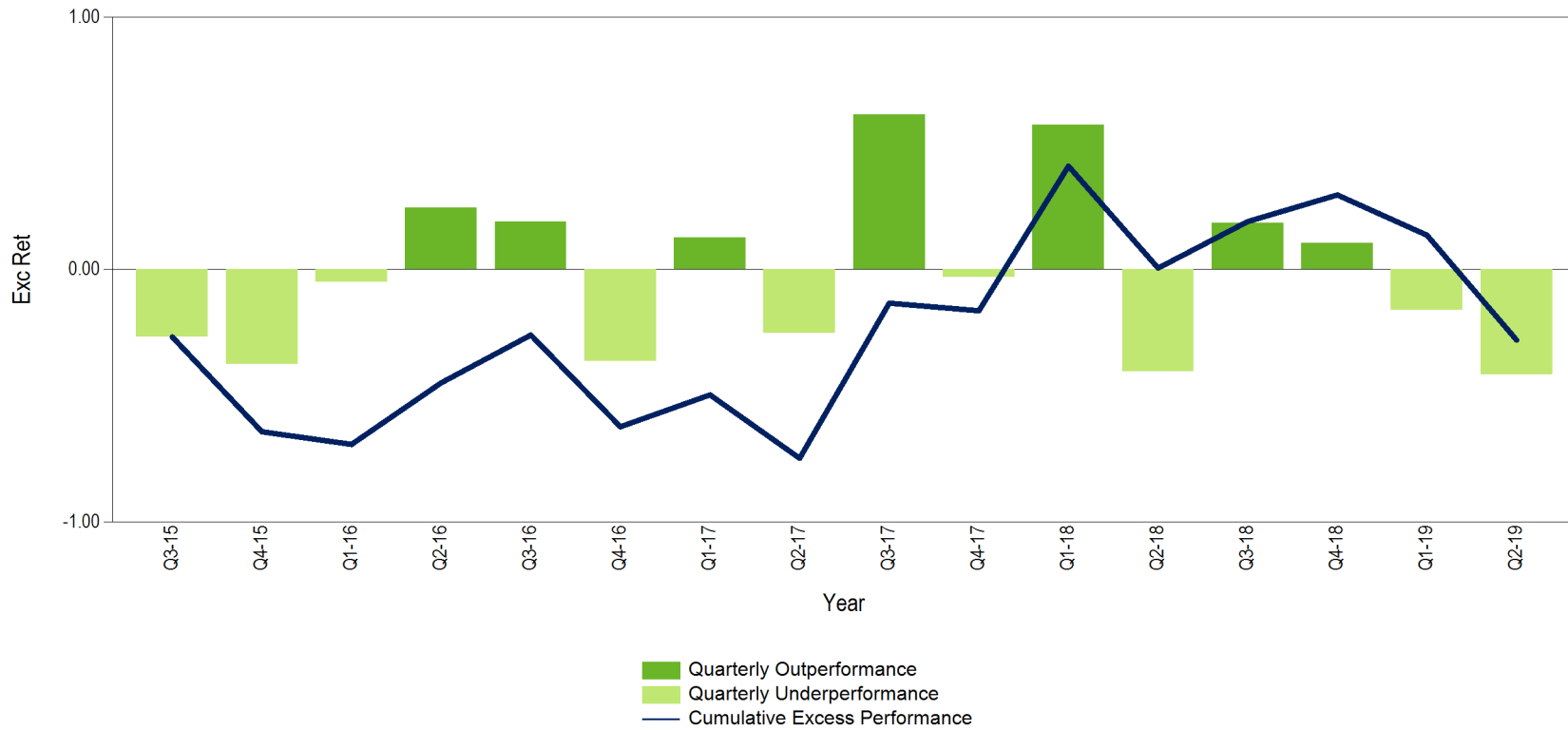
- CenterSquare US Real Estate
- ▲ FTSE NAREIT All Equity REIT
- 5th to 25th Percentile
- 25th to Median
- Median to 75th Percentile
- 75th to 95th Percentile



Los Angeles City Employees' Retirement System

CORE COMMODITY MGMT

Quarterly and Cumulative Excess Performance



DEFINITIONS

NEPC, LLC

POLICY INDEX DEFINITIONS

Policy Index: Current (adopted January 10, 2012) 24% Russell 3000 Index, 29% MSCI ACWI ex USA Net Index, 19% Bbg Barclays U.S. Aggregate Bond Index, 5% Credit Opportunities Blend, 10% Real Assets Blend, 12% Private Equity Blend, 1% Citi 3 Month T-Bill Index

U.S. Equity Blend: July 1, 2011 - Current: Russell 3000 Index; September 30, 1994 - December 31, 1999 S&P 500 Index 33.75, Russell 1000 Value Index 35%, Russell 1000 Growth 12.5%, Russell 2000 Value 12.5%, Russell 2000 Growth 6.25%

Core Fixed Income Blend: July 1, 2013 – Current: Bbg Barclays U.S. Aggregate Bond Index

Credit Opportunities Blend: 65% Bbg Barclays U.S. HY 2% Cap Index, 35% JPM EMBIGD Index

Public Real Assets Blend: 60% Bbg Barclays U.S. TIPS Index, 20% Bbg Commodity Index, 10% FTSE NAREIT All Equity Index, 10% Alerian MLP Index

Real Estate Blend: July 1, 2014 - Current NCREIF ODCE + 0.80%; July 1, 2012 - June 30, 2014 NCREIF Property Index Lagged +1%; October 1, 1994 - June 30, 2012 NCREIF Property Index Lagged

Private Equity Blend: February 1, 2012 – current: Russell 3000 + 3%; Inception – January 31, 2012: Russell 3000 + 4%

Note: Policy index definitions do not reflect the updated target asset allocation adopted on April 10, 2018.

Note: See Investment Policy for a full description of the indices listed.



GLOSSARY OF INVESTMENT TERMINOLOGY

Of Portfolios/Observations¹ - The total number of data points that make up a specified universe

Allocation Index³ - The allocation index measures the value added (or subtracted) to each portfolio by active management. It is calculated monthly: The portfolio asset allocation to each category from the prior month-end is multiplied by a specified market index.

Asset Allocation Effect² - Measures an investment manager's ability to effectively allocate their portfolio's assets to various sectors. The allocation effect determines whether the overweighting or underweighting of sectors relative to benchmark contributes positively or negatively to the overall portfolio return. Positive allocation occurs when the portfolio is over weighted in a sector that outperforms the benchmark and underweighted in a sector that underperforms the benchmark. Negative allocation occurs when the portfolio is over weighted in a sector that underperforms the benchmark and under weighted in a sector that outperforms the benchmark.

Agency Bonds (Agencies)³ - The full faith and credit of the United States government is normally not pledged to payment of principal and interest on the majority of government agencies issuing these bonds, with maturities of up to ten years. Their yields, therefore, are normally higher than government and their marketability is good, thereby qualifying them as a low risk-high liquidity type of investment. They are eligible as security for advances to the member banks by the Federal Reserve, which attests to their standing.

Asset Backed Securities (ABS)³ - Bonds which are similar to mortgage-backed securities but are collateralized by assets other than mortgages; commonly backed by credit card receivables, auto loans, or other types of consumer financing.

Attribution³ - Attribution is an analytical technique that allows us to evaluate the performance of the portfolio relative to the benchmark. A proper attribution tells us where value was added or subtracted as a result of the manager's decisions.

Average Effective Maturity⁴ - For a single bond, it is a measure of maturity that takes into account the possibility that a bond might be called back to the issuer.

For a portfolio of bonds, average effective maturity is the weighted average of the maturities of the underlying bonds. The measure is computed by weighing each bond's maturity by its market value with respect to the portfolio and the likelihood of any of the bonds being called. In a pool of mortgages, this would also account for the likelihood of prepayments on the mortgages.

Batting Average¹ - A measurement representing an investment manager's ability to meet or beat an index.

Formula: Divide the number of days (or months, quarters, etc.) in which the manager beats or matches the index by the total number of days (or months, quarters, etc.) in the period of question and multiply that factor by 100.

Brinson Fachler (BF) Attribution¹ - The BF methodology is a highly accepted industry standard for calculating the allocation, selection, and interaction effects within a portfolio that collectively explains a portfolio's underlying performance. The main advantage of the BF methodology is that rather than using the overall return of the benchmark, it goes a level deeper than BHB and measures whether the benchmark sector, country, etc. outperformed/or underperformed the overall benchmark.

Brinson Hood Beebower (BHB) Attribution¹ - The BHB methodology shows that excess return must be equal to the sum of all other factors (i.e., allocation effect, selection effect, interaction effect, etc.). The advantage to using the BHB methodology is that it is a highly accepted industry standard for calculating the allocation, selection, and interaction effects within a portfolio that collectively explains a portfolio's underlying performance.

Corporate Bond (Corp)⁴ - A debt security issued by a corporation and sold to investors. The backing for the bond is usually the payment ability of the company, which is typically money to be earned from future operations. In some cases, the company's physical assets may be used as collateral for bonds.

Correlation¹ - A range of statistical relationships between two or more random variables or observed data values. A correlation is a single number that describes the degree of relationship between variables.

Data Source: ¹InvestorForce, ²Interaction Effect Performance Attribution, ³NEPC, LLC, ⁴Investopedia, ⁵Hedgeco.net



GLOSSARY OF INVESTMENT TERMINOLOGY

Coupon⁴ – The interest rate stated on a bond when it is issued. The coupon is typically paid semiannually. This is also referred to as the “coupon rate” or “coupon percent rate.”

Currency Effect¹ – Is the effect that changes in currency exchange rates over time affect excess performance.

Derivative Instrument² – A financial obligation that derives its precise value from the value of one or more other instruments (or assets) at the same point of time. For example, the relationship between the value of an S&P 500 futures contract (the derivative instrument in this case) is determined by the value of the S&P 500 Index and the value of a U.S. Treasury bill that matures at the expiration of the futures contract.

Downside Deviation¹ – Equals the standard deviation of negative return or the measure of downside risk focusing on the standard deviation of negative returns.

Formula:

Annualized Standard Deviation (Fund Return - Average Fund Return) where average fund return is greater than individual fund returns, monthly or quarterly.

Duration³ – Duration is a measure of interest rate risk. The greater the duration of a bond, or a portfolio of bonds, the greater its price volatility will be in response to a change in interest rates. A bond’s duration is inversely related to interest rates and directly related to time to maturity.

Equity/Debt/Cash Ratio¹ – The percentage of an investment or portfolio that is in Equity, Debt, and/or Cash (i.e. A 7/89/4 ratio represents an investment that is made up of 7% Equity, 89% Debt, and 4% Cash).

Foreign Bond³ – A bond that is issued in a domestic market by a foreign entity, in the domestic market’s currency. A foreign bond is most often issued by a foreign firm to raise capital in a domestic market that would be most interested in purchasing the firm’s debt. For foreign firms doing a large amount of business in the domestic market, issuing foreign bonds is a common practice.

Hard Hurdle⁵ – is a hurdle rate that once beaten allows a fund manager to charge a performance fee on only the funds above the specified hurdle rate.

High-Water Mark⁴ – The highest peak in value that an investment fund/account has reached. This term is often used in the context of fund manager compensation, which is performance based. Some performance-based fees only get paid when fund performance exceeds the high-water mark. The high-water mark ensures that the manager does not get paid large sums for poor performance.

Hurdle Rate⁴ – The minimum rate of return on an investment required, in order for a manager to collect incentive fees from the investor, which is usually tied to a benchmark.

Interaction Effects² – The interaction effect measures the combined impact of an investment manager’s selection and allocation decisions within a sector. For example, if an investment manager had superior selection and over weighted that particular sector, the interaction effect is positive. If an investment manager had superior selection, but underweighted that sector, the interaction effect is negative. In this case, the investment manager did not take advantage of the superior selection by allocating more assets to that sector. Since many investment managers consider the interaction effect to be part of the selection or the allocation, it is often combined with the either effect.

Median³ – The value (rate of return, market sensitivity, etc.) that exceeds one-half of the values in the population and that is exceeded by one-half of the values. The median has a percentile rank of 50.

Modified Duration³ – The percentage change in the price of a fixed income security that results from a change in yield.

Mortgage Backed Securities (MBS)³ – Bonds which are a general obligation of the issuing institution but are also collateralized by a pool of mortgages.

Municipal Bond (Muni)⁴ – A debt security issued by a state, municipality or county to finance its capital expenditures.

Net Investment Change¹ – Is the change in an investment after accounting for all Net Cash Flows.

Performance Fee⁴ – A payment made to a fund manager for generating positive returns. The performance fee is generally calculated as a percentage of investment profits, often both realized and unrealized.

Data Source: ¹InvestorForce, ²Interaction Effect Performance Attribution, ³NEPC, LLC, ⁴Investopedia, ⁵Hedgeco.net



GLOSSARY OF INVESTMENT TERMINOLOGY

Policy Index³ - A custom benchmark designed to indicate the returns that a passive investor would earn by consistently following the asset allocation targets set forth in this investment policy statement.

Price to Book (P/B)⁴ - A ratio used to compare a stock's market value to its book value. It is calculated by dividing the current closing price of the stock by the latest quarter's book value per share, also known as the "price-equity ratio".

Price to Earnings (P/E)³ - The weighted equity P/E is based on current price and trailing 12 months earnings per share (EPS).

Price to Sales (P/S)⁴ - A ratio for valuing a stock relative to its own past performance, other companies, or the market itself. Price to sales is calculated by dividing a stock's current price by its revenue per share for the trailing 12 months.

Return on Equity (ROE)⁴ - The amount of net income returned as a percentage of shareholders equity. Return on equity measures a corporation's profitability by revealing how much profit a company generates with the money shareholders have invested.

Selection (or Manager) Effect² - Measures the investment manager's ability to select securities within a given sector relative to a benchmark. The over or underperformance of the portfolio is weighted by the benchmark weight, therefore, selection is not affected by the manager's allocation to the sector. The weight of the sector in the portfolio determines the size of the effect—the larger the sector, the larger the effect is, positive or negative.

Soft Hurdle rate⁵ - is a hurdle rate that once beaten allows a fund manager to charge a performance fee based on the entire annualized return.

Tiered Fee¹ - A fee structure that is paid to fund managers based on the size of the investment (i.e. 1.00% fee on the first \$10M invested, 0.90% on the next \$10M, and 0.80% on the remaining balance).

Total Effects² - The active management (total) effect is the sum of the selection, allocation, and interaction effects. It is also the difference between the total portfolio return and the total benchmark return. You can use the active management effect to determine the amount the investment manager has added to a portfolio's return.

Total Return¹ - The actual rate of return of an investment over a specified time period. Total return includes interest, capital gains, dividends, and distributions realized over a defined time period.

Universe³ - The list of all assets eligible for inclusion in a portfolio.

Upside Deviation¹ - Standard Deviation of Positive Returns

Weighted Avg. Market Cap.⁴ - A stock market index weighted by the market capitalization of each stock in the index. In such a weighting scheme, larger companies account for a greater portion of the index. Most indexes are constructed in this manner, with the best example being the S&P 500.

Yield (%)³ - The current yield of a security is the current indicated annual dividend rate divided by current price.

Yield to Maturity³ - The discount rate that equates the present value of cash flows, both principal and interest, to market price.

Data Source: ¹InvestorForce, ²Interaction Effect Performance Attribution, ³NEPC, LLC, ⁴Investopedia, ⁵Hedgeco.net



DISCLOSURES

NEPC, LLC

Information Disclaimer

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- All investments carry some level of risk. Diversification and other asset allocation techniques are not guaranteed to ensure profit or protect against losses.
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- The client's custodian bank is NEPC's preferred data source unless otherwise directed. NEPC generally reconciles custodian data to manager data. If the custodian cannot provide accurate data, manager data may be used.
- Trailing time period returns are determined by geometrically linking the holding period returns, from the first full month after inception to the report date. Rates of return are annualized when the time period is longer than a year. Performance is presented gross and/or net of manager fees as indicated on each page.
- For managers funded in the middle of a month, the "since inception" return will start with the first full month, although actual inception dates and cash flows are taken into account in all Composite calculations.
- This report may contain forward-looking statements that are based on NEPC's estimates, opinions and beliefs, but NEPC cannot guarantee that any plan will achieve its targeted return or meet other goals.

