



Date: January 31, 2019
To: Mayor and City Council
From: City Manager
By: Director of Finance
Subject: 2018 Fourth Quarter Investment Report

In accordance with California Government Code and the City's Statement of Investment Policy, I am transmitting for your review the quarterly investment report for the period of October 1 – December 31, 2018 (4Q2018). The City's Investment Advisory Committee (IAC) reviewed this report (but took no formal action) during their quarterly meeting on January 28, 2019. The attached report provides a summary of market and economic conditions, the composition of the City's portfolio, investment performance and investment strategy. Monthly summaries of the City's investments managed by PFM along with the quarterly reports are posted on the City of Hayward website at: <http://www.hayward-ca.gov/your-government/documents/investment-reports>.

The City's investment portfolio (pooled cash) carried a market value of \$289.7 million as of December 31, 2018. The investments held at the end of 4Q2018 included \$122.3 million invested through the City's investment advisor, The PFM Group; \$107.8 million on deposit in the Local Agency Investment Fund (LAIF); and \$59.6 million in the City's general checking account.

Interest earned during 4Q2018 on the City's portfolio managed by the PFM Group (excluding LAIF and cash accounts) totaled \$498,846. The portfolio outperformed the City's benchmark used for comparison (1-3 Year U.S. Treasury Index) – by 5 basis points for the one-year period from December 31, 2017 to December 31, 2018, but did not meet the benchmark for the quarter. Funds on deposit with LAIF earned 2.21% during 4Q2018. The balance held in the City's general checking account does not earn interest.

Pursuant to provision (3) of California Government Code section 53646, the City establishes that it is able to meet its pooled expenditure requirements for the next six months.

Attachments:

Fourth Quarter 2018 Performance Investment Report by The PFM Group
Fourth Quarter 2018 LAIF Performance Report



CITY OF HAYWARD

Investment Performance Review For the Quarter Ended December 31, 2018

Client Management Team

Monique Spyke, Managing Director

Izac Chyou, Senior Managing Consultant

PFM Asset Management LLC

50 California Street, Suite 2300

San Francisco, CA 94111

415-982-5544

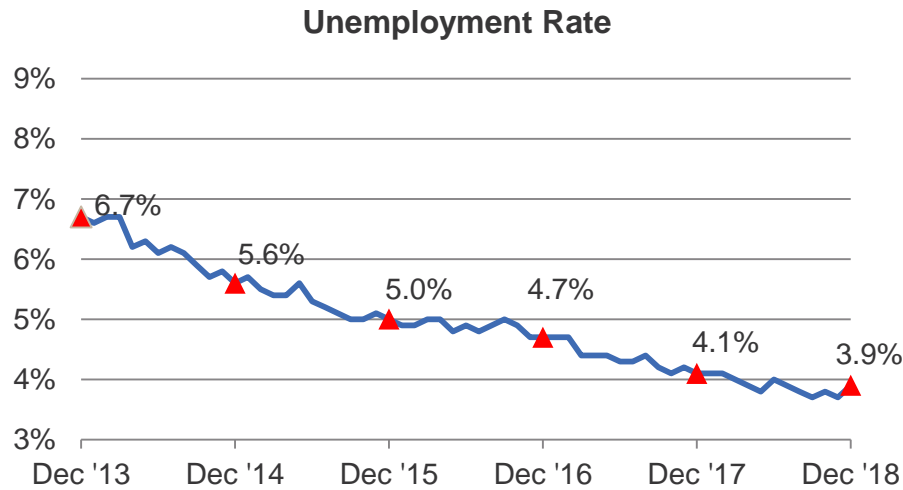
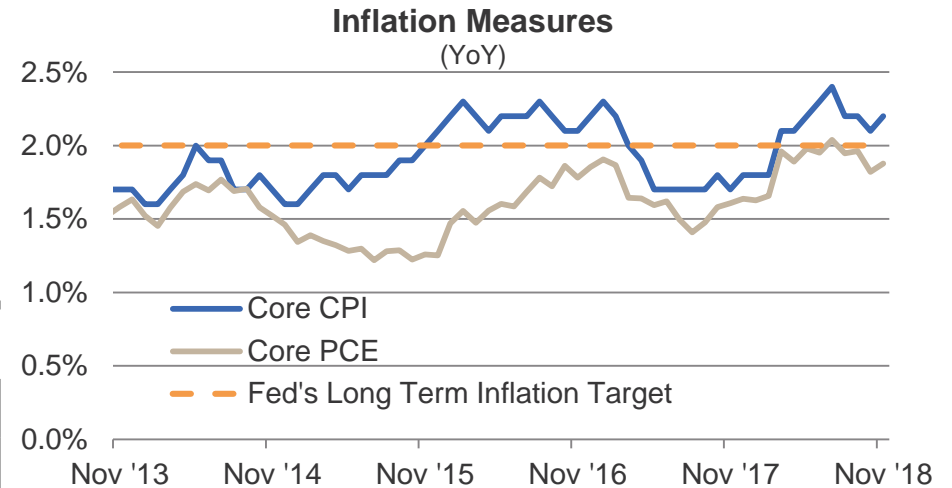
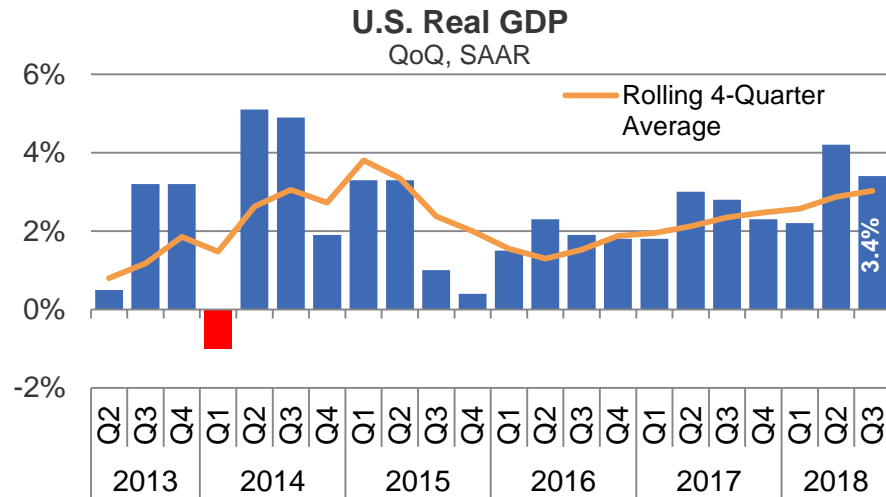
213 Market Street

Harrisburg, PA 17101-2141

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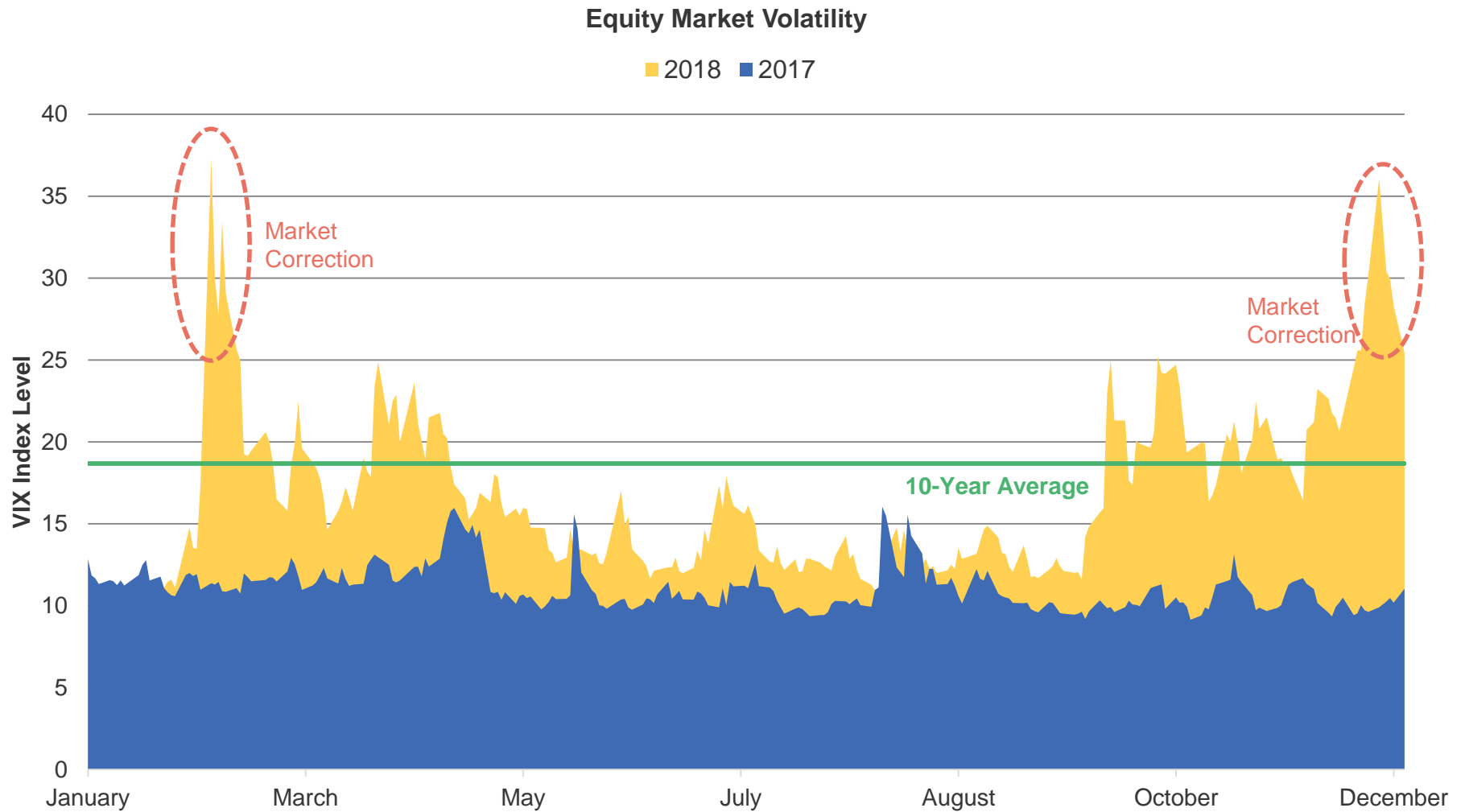
Market Update

Economic Summary



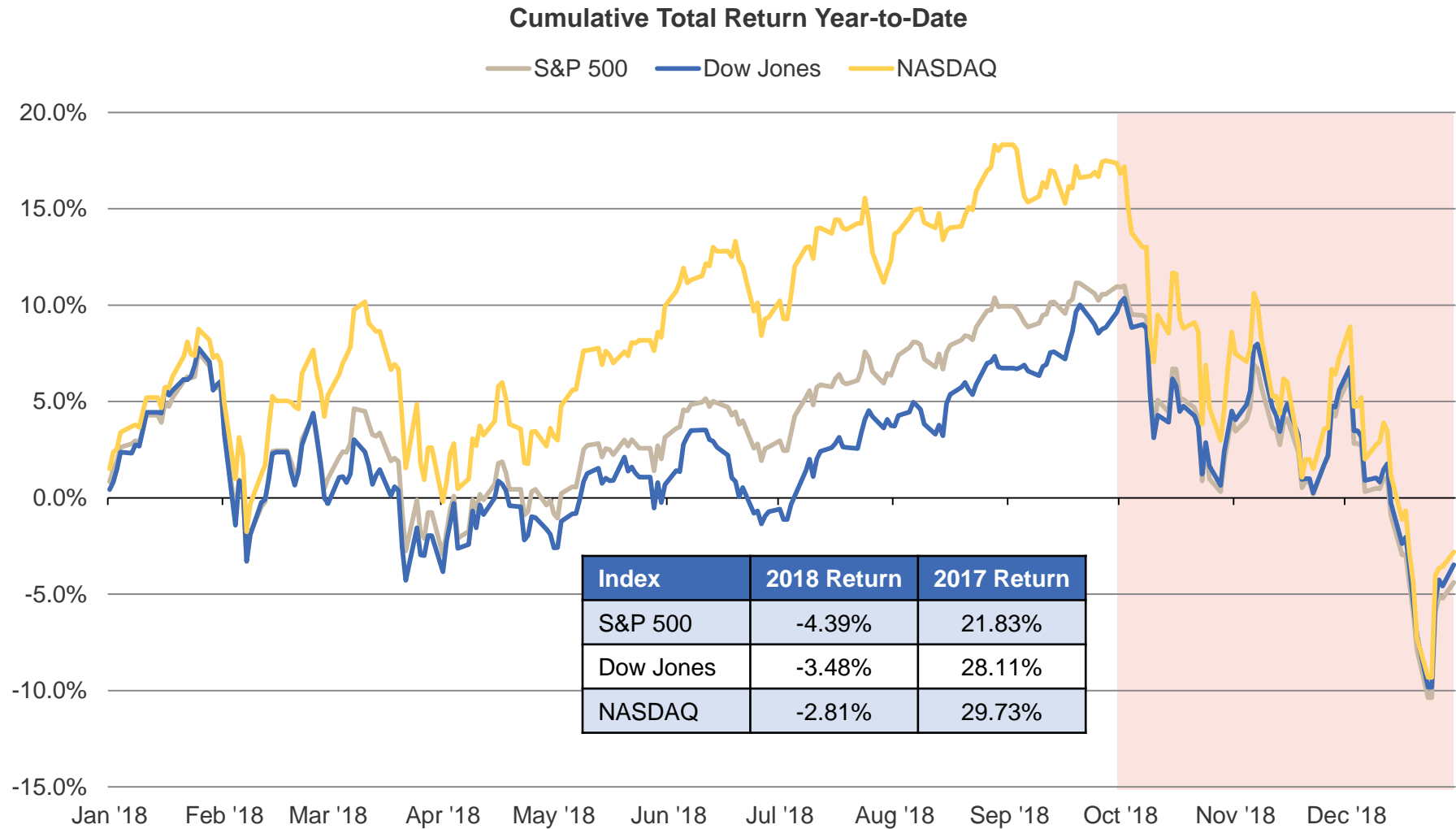
Source: Bloomberg, latest data available as of 12/31/2018.

The Return of Volatility in 2018



Source: Bloomberg, as of 12/31/2018. VIX Index is the Chicago Board Options Exchange SPX Volatility Index, which reflects a market estimate of future volatility.

Fourth Quarter Stock Sell-Off Erases Year-to-Date Gains



Source: Bloomberg, as of 12/31/2018.

Treasury Yields Fall from Recent Highs

- The sell-off in equity markets in the fourth quarter sparked a flight to quality as investors sought the relative safety of U.S. Treasury obligations, pushing yields lower.
- As was widely expected, the Federal Reserve raised the federal funds' target rate by 25 basis points for the fourth time in 2018 at its December meeting, but the consequential bump in yields was overcome by continued equity market uncertainty.
- The 2-year Treasury decreased by 33 basis points to end the quarter at 2.49%.

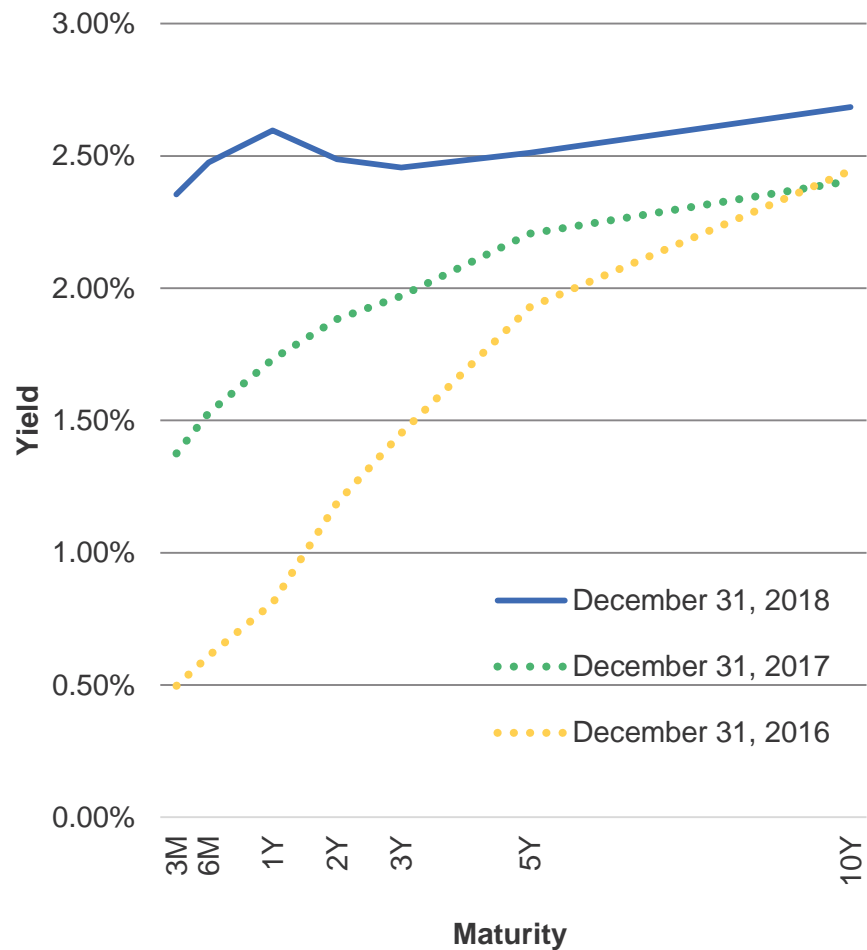
2-Year U.S. Treasury



Source: Bloomberg, as of 12/31/2018.

U.S. Treasury Curve

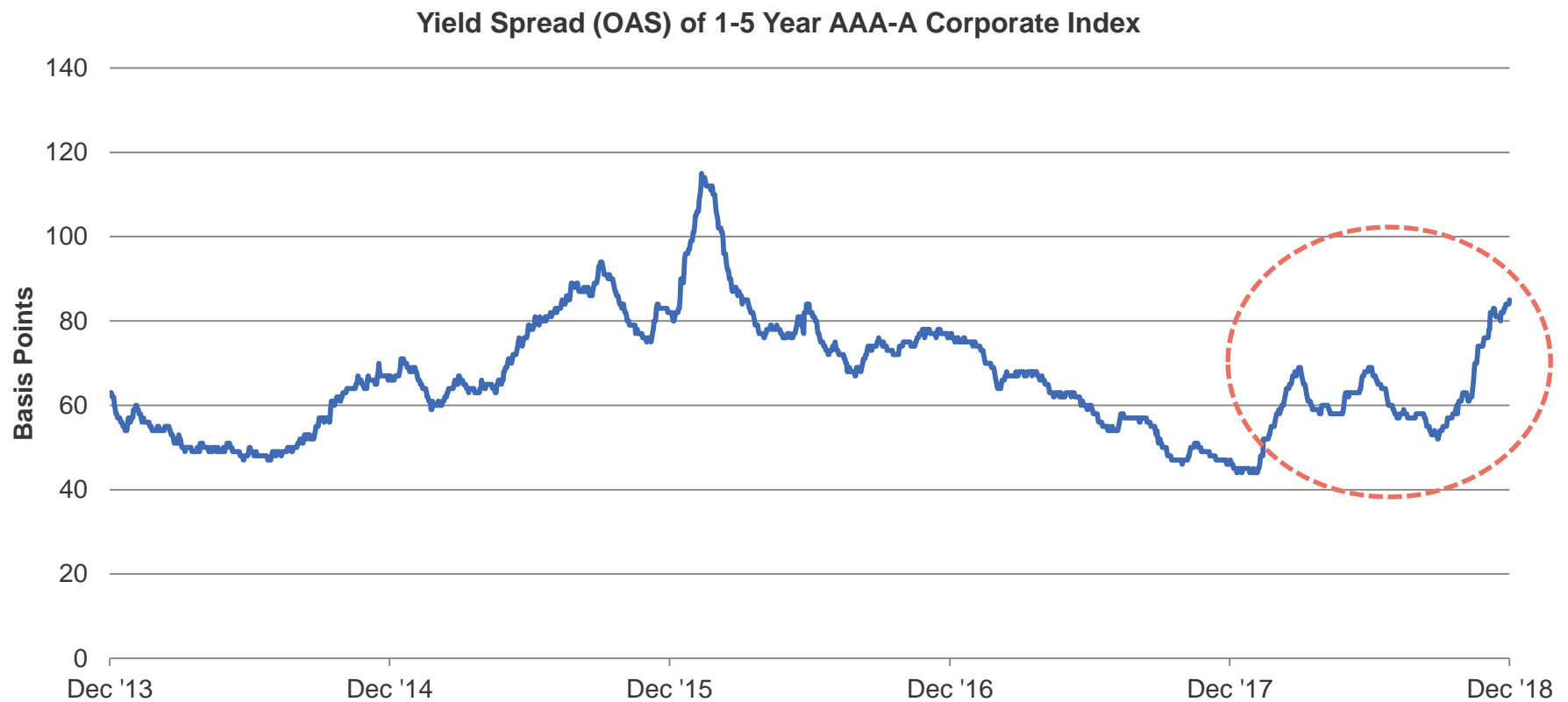
| | 4Q2018 12/31/18 | 4Q2017 12/31/17 | 4Q2016 12/31/16 |
|---------|--------------------|--------------------|--------------------|
| 3-month | 2.35% | 1.38% | 0.50% |
| 6-month | 2.48% | 1.53% | 0.61% |
| 1-year | 2.60% | 1.73% | 0.81% |
| 2-year | 2.49% | 1.88% | 1.19% |
| 3-year | 2.46% | 1.97% | 1.45% |
| 5-year | 2.51% | 2.21% | 1.93% |
| 10-year | 2.68% | 2.41% | 2.44% |



Source: Bloomberg, as of 12/31/2018.

Credit Spreads Widen with Market Volatility

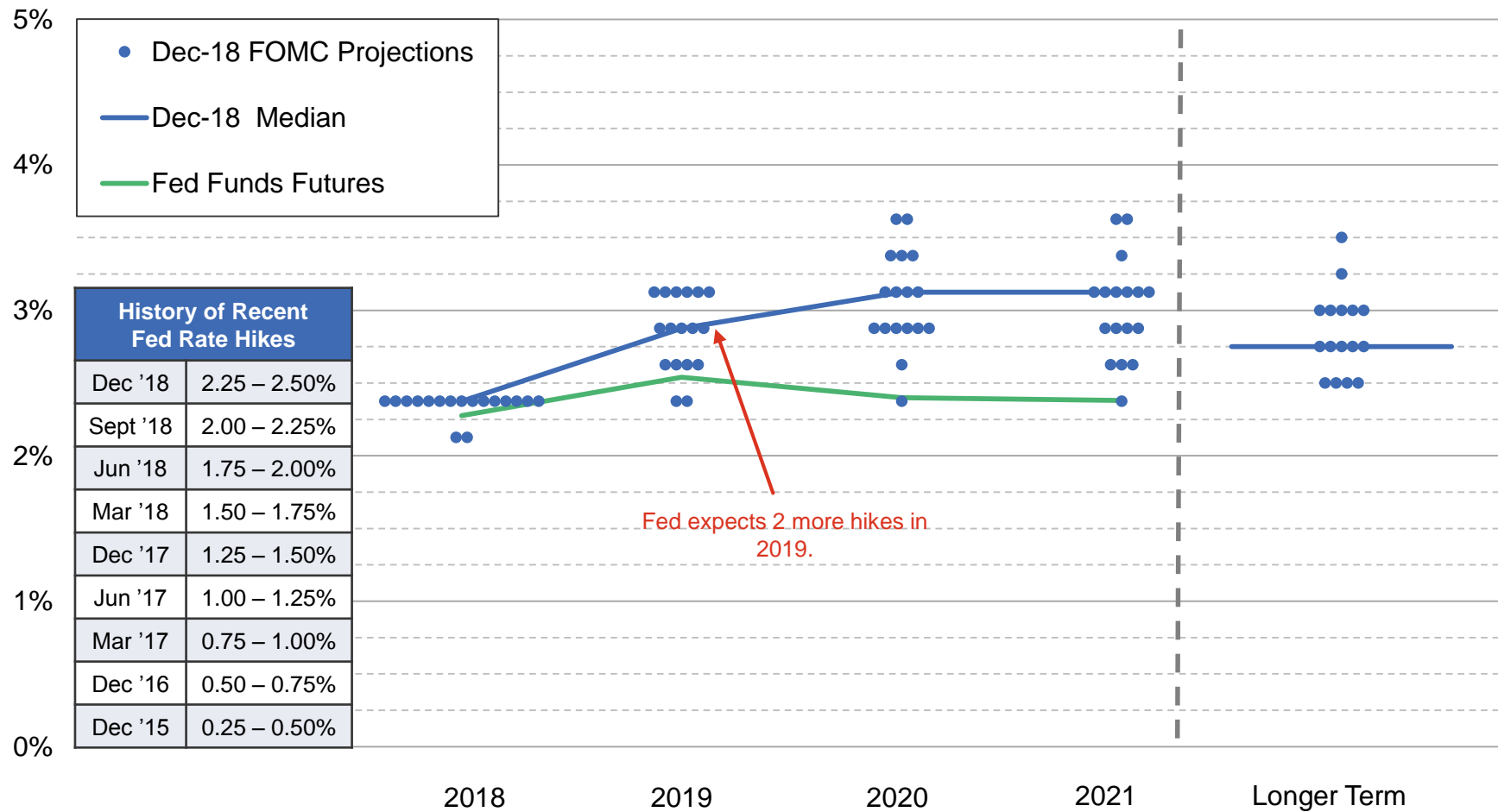
- Volatility in equity markets in the fourth quarter caused an increase in demand for haven assets like Treasury bonds, widening credit spreads further to the highest level since 2016.



Source: ICE BofAML Indices, as of 12/31/2018. OAS is option-adjusted spread versus a comparable maturity Treasury.

FOMC “Dot Plot” – A Fourth 2018 Rate Hike in December

Fed Participants' Assessments of “Appropriate” Monetary Policy
December 2018



Source: Federal Reserve and Bloomberg. Individual dots represent each Fed members' judgement of the midpoint of the appropriate target range for the federal funds rate at each year-end. Fed funds futures as of 12/19/2018.

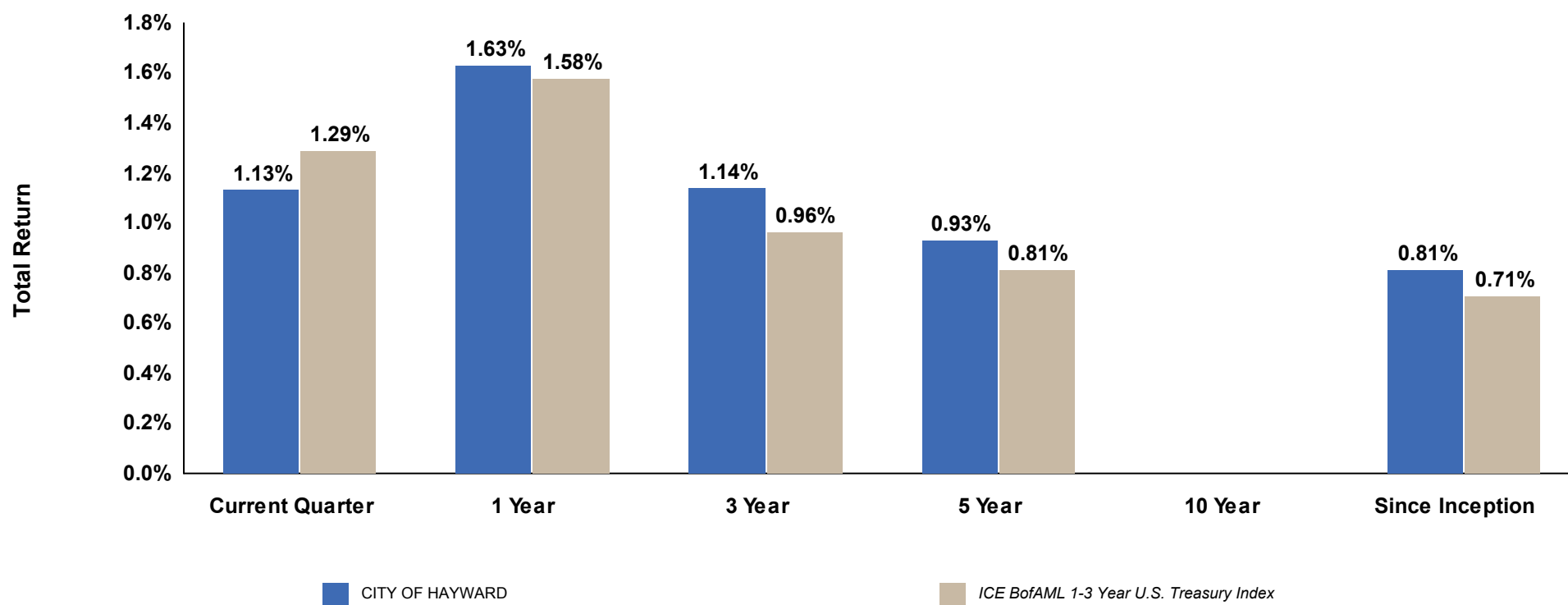
Portfolio Review

Portfolio Recap

- Investors gravitated toward lower-risk assets through the final months of 2018 as volatility surged, stocks lost their footing, credit spreads widened, and the belly of the curve (maturities between one and five years) began trading at rates lower than shorter and longer-term securities (maturities one year or less and maturities greater than five years). U.S. Treasury yields reversed course during the quarter as maturities beyond one year declined 30-40 basis points (0.30% to 0.40%).
- For the past several quarters we have positioned the portfolio with a duration less than that of the benchmark. This benefited the portfolio for most of 2018 as the Fed raised rates and yields across the curve increased. However, in the fourth quarter, sudden shifts in market sentiment that caused interest rates to fall eroded those benefits, negatively impacting portfolio performance versus the benchmark, however, the declines in longer-term yields positively impacted the portfolio's absolute performance.
 - Our strategy over the past several months was to actively reduce exposure to credit sectors (and increase allocations to safer U.S. Treasuries), which helped to reduce relative underperformance versus the benchmark, as U.S. Treasuries outperformed credit sectors for the quarter.
 - The federal agency sector was one of the few to generate positive excess returns relative to U.S. Treasuries for the quarter. The modest incremental yield spread versus Treasuries accounted for the slight relative outperformance.
 - Incremental income from supranationals contributed to relative outperformance versus U.S. Treasuries for the quarter.
 - Corporates felt the pressure of wider spreads across all industries. As a result, the sector underperformed most fixed-income alternatives in the quarter. While portfolio allocations to the sector detracted from performance relative to the benchmark, our shift to a more defensive bias at the beginning of the quarter – favoring higher quality issuers, active selling of lower-yielding issues, and shorter durations – helped mitigate the underperformance.
 - After actively adding asset-backed securities (ABS) in prior quarters, the portfolio's allocation was maintained in Q4. We continue to view ABS as a favorable sector that offers incremental income and enhanced credit quality. Although the sector generated returns that were less than those of similar duration Treasuries in Q4, the AAA-rated ABS sector generated attractive relative performance compared to corporates.
 - After narrowing to 12-month tightens in the third quarter, spreads on negotiable bank certificates of deposit rebounded in Q4. As a result, in Q4 the portfolio benefitted from additional allocations to these high-quality, short-term credit instruments at attractive yields.

Portfolio Performance (Total Return)

| Portfolio*/Benchmark | Effective Duration | Current Quarter | Annualized Return | | | | |
|---|--------------------|-----------------|-------------------|--------|--------|---------|-------------------------------|
| | | | 1 Year | 3 Year | 5 Year | 10 Year | Since Inception (09/30/12) ** |
| | | | | | | | |
| CITY OF HAYWARD | 1.56 | 1.13% | 1.63% | 1.14% | 0.93% | - | 0.81% |
| ICE BofAML 1-3 Year U.S. Treasury Index | 1.81 | 1.29% | 1.58% | 0.96% | 0.81% | - | 0.71% |
| Difference | | -0.16% | 0.05% | 0.18% | 0.12% | - | 0.10% |



*Portfolio performance is gross of fees unless otherwise indicated. **Since Inception performance is not shown for periods less than one year.

Portfolio Earnings**Quarter-Ended December 31, 2018**

| | Market Value Basis | Accrual (Amortized Cost) Basis |
|-------------------------------------|---------------------------|---------------------------------------|
| Beginning Value (09/30/2018) | \$121,065,272.48 | \$122,655,820.41 |
| Net Purchases/Sales | (\$89,363.19) | (\$89,363.19) |
| Change in Value | \$775,451.00 | (\$37,092.70) |
| Ending Value (12/31/2018) | \$121,751,360.29 | \$122,529,364.52 |
| Interest Earned | \$589,281.07 | \$589,281.07 |
| Portfolio Earnings | \$1,364,732.07 | \$552,188.37 |

Sector Allocation and Compliance

■ The portfolio is in compliance with the City's Investment Policy and California Government Code.

| Security Type | Market Value | % of Portfolio | Permitted by Policy | In Compliance |
|-----------------------------|----------------------|----------------|--------------------------|---------------|
| U.S. Treasury | \$60,434,230 | 20.9% | 100% | ✓ |
| Federal Agency | \$22,583,006 | 7.8% | 100% | ✓ |
| Federal Agency CMOs | \$8,166,615 | 2.8% | 20% | ✓ |
| Municipal Bonds | \$4,448,348 | 1.5% | 20% | ✓ |
| Supranationals | \$8,666,844 | 3.0% | 30% | ✓ |
| Negotiable CDs | \$7,219,403 | 2.5% | 30% | ✓ |
| Corporate Notes | \$6,867,384 | 2.4% | 30% | ✓ |
| Asset-Backed Securities | \$3,365,530 | 1.2% | 20% | ✓ |
| Securities Sub-Total | \$121,751,360 | 42.1% | | |
| Accrued Interest | \$498,846 | | | |
| Securities Total | \$122,250,207 | | | |
| LAIF | \$107,827,486 | 37.3% | 195 Million ¹ | ✓ |
| Bank of West | \$15,014,428 | 5.2% | 100% | ✓ |
| JP Morgan Chase | \$44,554,343 | 15.4% | 100% | ✓ |
| Total Investments | \$289,646,463 | 100.0% | | |

Market values, excluding accrued interest. Detail may not add to total due to rounding. Current investment policy as of December 5 2017.

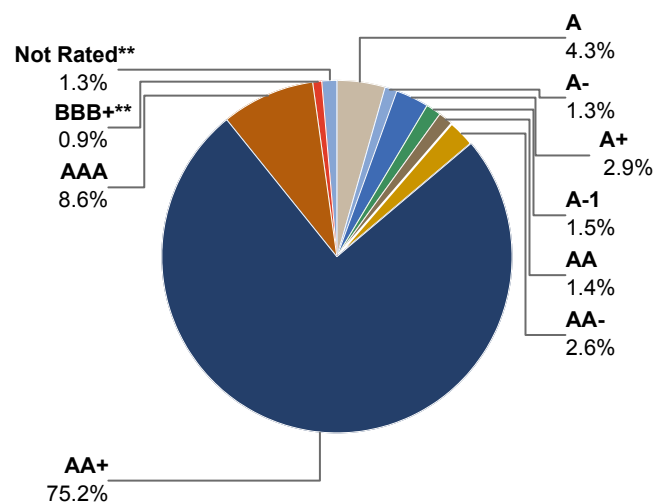
1. The maximum allowable LAIF balance is \$65 million per account. LAIF City: \$39.4 million. LAIF HPFA: \$27.6 million. LAIF Housing: \$40.8 million.

Portfolio Statistics

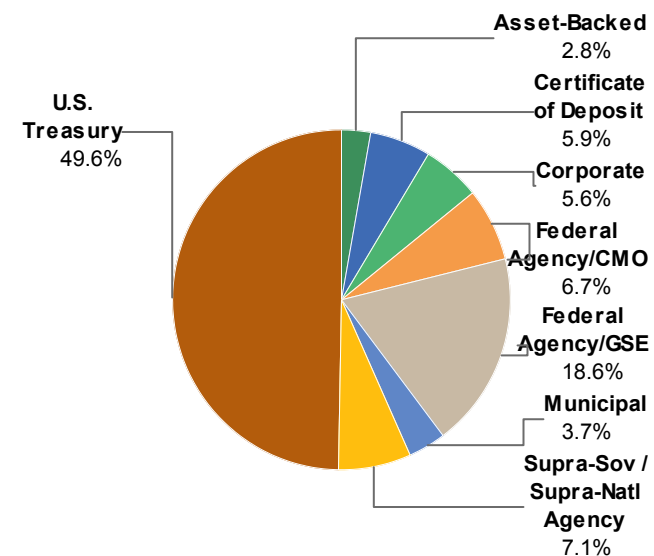
As of December 31, 2018

| | |
|------------------------|---------------|
| Par Value: | \$122,824,608 |
| Total Market Value: | \$122,250,207 |
| Security Market Value: | \$121,751,360 |
| Accrued Interest: | \$498,846 |
| Cash: | - |
| Amortized Cost: | \$122,529,365 |
| Yield at Market: | 2.64% |
| Yield at Cost: | 2.07% |
| Effective Duration: | 1.56 Years |
| Duration to Worst: | 1.54 Years |
| Average Maturity: | 1.79 Years |
| Average Credit: * | AA |

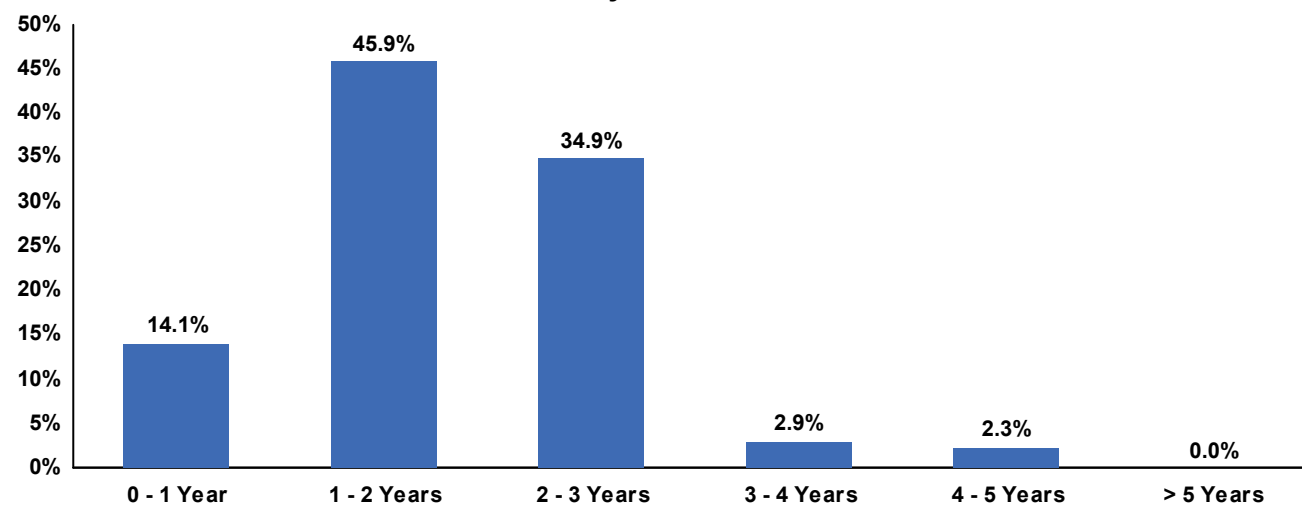
Credit Quality (S&P Ratings)



Sector Allocation



Maturity Distribution

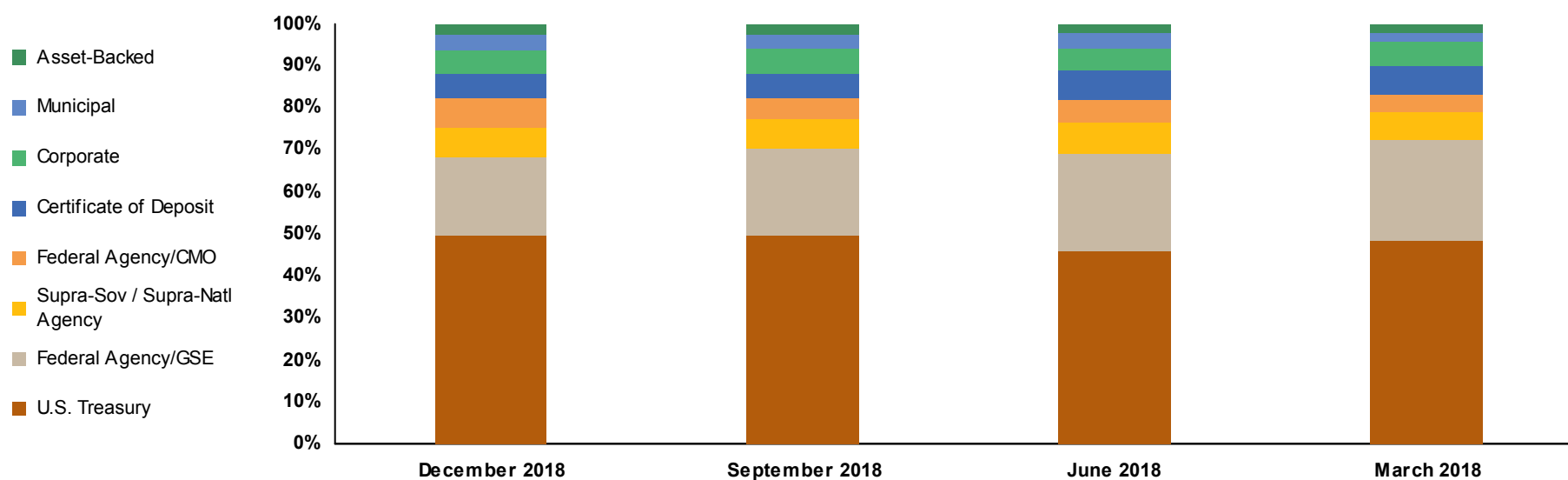


*An average of each security's credit rating assigned a numeric value and adjusted for its relative weighting in the portfolio.

**Securities held in the City's portfolio are in compliance with California state statutes and the City's investment policy dated December 5 2017.

Sector Allocation

| Sector | December 31, 2018 | | September 30, 2018 | | June 30, 2018 | | March 31, 2018 | |
|-------------------------------|-------------------|---------------|--------------------|---------------|----------------|---------------|----------------|---------------|
| | MV (\$MM) | % of Total | MV (\$MM) | % of Total | MV (\$MM) | % of Total | MV (\$MM) | % of Total |
| U.S. Treasury | 60.4 | 49.6% | 60.0 | 49.5% | 55.3 | 45.8% | 58.2 | 48.3% |
| Federal Agency/GSE | 22.6 | 18.6% | 25.1 | 20.8% | 27.7 | 22.9% | 28.7 | 23.9% |
| Supra-Sov / Supra-Natl Agency | 8.7 | 7.1% | 8.6 | 7.1% | 9.1 | 7.6% | 7.8 | 6.5% |
| Federal Agency/CMO | 8.2 | 6.7% | 6.0 | 4.9% | 6.3 | 5.2% | 5.0 | 4.2% |
| Certificate of Deposit | 7.2 | 5.9% | 6.6 | 5.5% | 8.4 | 7.0% | 8.4 | 7.0% |
| Corporate | 6.9 | 5.6% | 7.4 | 6.1% | 7.0 | 5.8% | 6.9 | 5.8% |
| Municipal | 4.4 | 3.7% | 4.4 | 3.7% | 4.4 | 3.7% | 2.6 | 2.1% |
| Asset-Backed | 3.4 | 2.8% | 2.9 | 2.4% | 2.5 | 2.0% | 2.7 | 2.2% |
| Total | \$121.8 | 100.0% | \$121.1 | 100.0% | \$120.7 | 100.0% | \$120.2 | 100.0% |

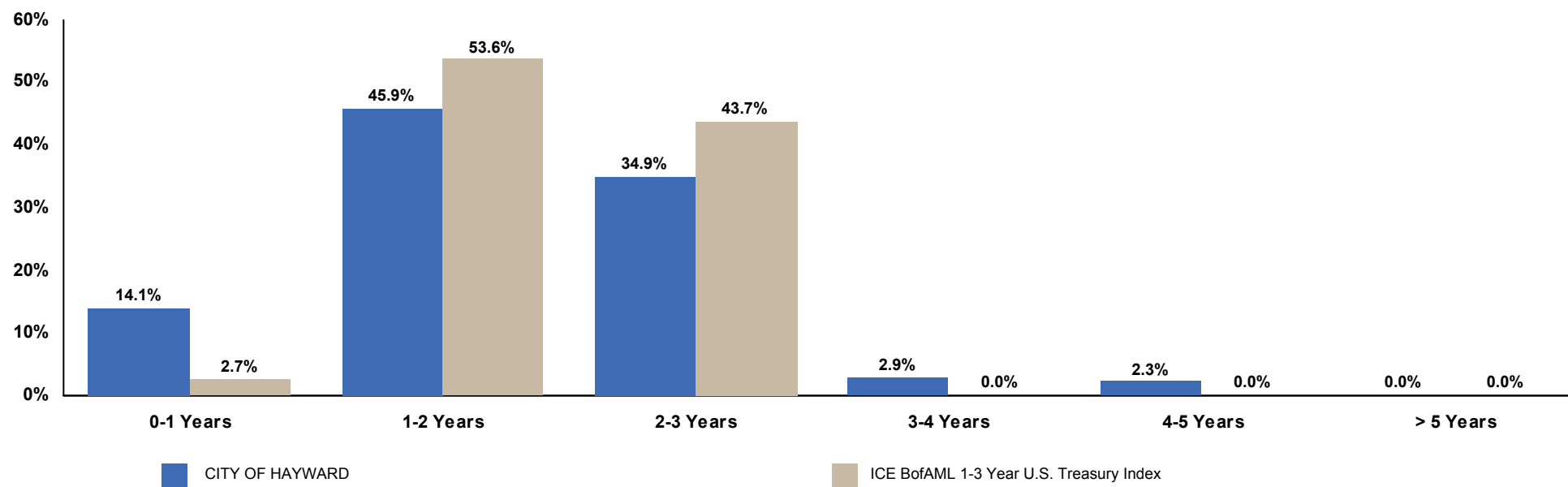


Detail may not add to total due to rounding.

Maturity Distribution

As of December 31, 2018

| Portfolio/Benchmark | Yield at Market | Average Maturity | 0-1 Years | 1-2 Years | 2-3 Years | 3-4 Years | 4-5 Years | >5 Years |
|---|--------------------|---------------------|--------------|--------------|--------------|--------------|--------------|-------------|
| CITY OF HAYWARD | 2.64% | 1.79 yrs | 14.1% | 45.9% | 34.9% | 2.9% | 2.3% | 0.0% |
| ICE BofAML 1-3 Year U.S. Treasury Index | 2.52% | 1.94 yrs | 2.7% | 53.6% | 43.7% | 0.0% | 0.0% | 0.0% |



Sector/Issuer Distribution

As of December 31, 2018

| Sector / Issuer | Market Value (\$) | % of Sector | % of Total Portfolio |
|------------------------------------|-------------------|---------------|----------------------|
| Asset-Backed | | | |
| ALLY AUTO RECEIVABLES TRUST | 519,663 | 15.4% | 0.4% |
| BMW FINANCIAL SERVICES NA LLC | 125,591 | 3.7% | 0.1% |
| CARMAX AUTO OWNER TRUST | 512,631 | 15.2% | 0.4% |
| FORD CREDIT AUTO LEASE TRUST | 230,951 | 6.9% | 0.2% |
| FORD CREDIT AUTO OWNER TRUST | 201,046 | 6.0% | 0.2% |
| GM FINANCIAL AUTO LEASING TRUST | 170,243 | 5.1% | 0.1% |
| HONDA AUTO RECEIVABLES | 223,989 | 6.7% | 0.2% |
| HYUNDAI AUTO RECEIVABLES | 408,282 | 12.1% | 0.3% |
| JOHN DEERE OWNER TRUST | 104,929 | 3.1% | 0.1% |
| NISSAN AUTO LEASE TRUST | 225,267 | 6.7% | 0.2% |
| NISSAN AUTO RECEIVABLES | 513,509 | 15.3% | 0.4% |
| TOYOTA MOTOR CORP | 129,429 | 3.8% | 0.1% |
| Sector Total | 3,365,530 | 100.0% | 2.8% |
| Certificate of Deposit | | | |
| BANK OF MONTREAL | 599,301 | 8.3% | 0.5% |
| BANK OF NOVA SCOTIA | 601,754 | 8.3% | 0.5% |
| CANADIAN IMPERIAL BANK OF COMMERCE | 601,115 | 8.3% | 0.5% |
| CREDIT AGRICOLE SA | 600,150 | 8.3% | 0.5% |
| CREDIT SUISSE GROUP | 598,973 | 8.3% | 0.5% |

| Sector / Issuer | Market Value (\$) | % of Sector | % of Total Portfolio |
|--|-------------------|---------------|----------------------|
| MITSUBISHI UFJ FINANCIAL GROUP INC | 620,639 | 8.6% | 0.5% |
| NORDEA BANK AB | 599,635 | 8.3% | 0.5% |
| ROYAL BANK OF CANADA | 600,061 | 8.3% | 0.5% |
| SKANDINAVISKA ENSKILDA BANKEN AB | 1,193,296 | 16.5% | 1.0% |
| SUMITOMO MITSUI FINANCIAL GROUP INC | 604,138 | 8.4% | 0.5% |
| UBS AG | 600,340 | 8.3% | 0.5% |
| Sector Total | 7,219,403 | 100.0% | 5.9% |
| Corporate | | | |
| 3M COMPANY | 146,172 | 2.1% | 0.1% |
| AMERICAN EXPRESS CO | 597,388 | 8.7% | 0.5% |
| AMERICAN HONDA FINANCE | 276,735 | 4.0% | 0.2% |
| APPLE INC | 396,527 | 5.8% | 0.3% |
| BANK OF AMERICA CO | 578,484 | 8.4% | 0.5% |
| CATERPILLAR INC | 325,856 | 4.7% | 0.3% |
| CHARLES SCHWAB | 236,147 | 3.4% | 0.2% |
| DEERE & COMPANY | 546,888 | 8.0% | 0.4% |
| GOLDMAN SACHS GROUP INC | 593,896 | 8.6% | 0.5% |
| HOME DEPOT INC | 176,817 | 2.6% | 0.1% |
| IBM CORP | 593,170 | 8.6% | 0.5% |
| JP MORGAN CHASE & CO | 601,358 | 8.8% | 0.5% |
| MORGAN STANLEY | 293,639 | 4.3% | 0.2% |
| NATIONAL RURAL UTILITIES CO FINANCE CORP | 248,862 | 3.6% | 0.2% |
| PACCAR FINANCIAL CORP | 295,649 | 4.3% | 0.2% |
| THE BANK OF NEW YORK MELLON CORPORATION | 594,743 | 8.7% | 0.5% |

| Sector / Issuer | Market Value (\$) | % of Sector | % of Total Portfolio |
|--------------------------------------|-------------------|---------------|----------------------|
| TOYOTA MOTOR CORP | 365,055 | 5.3% | 0.3% |
| Sector Total | 6,867,384 | 100.0% | 5.6% |
| Federal Agency/CMO | | | |
| FANNIE MAE | 1,052,409 | 12.9% | 0.9% |
| FREDDIE MAC | 7,114,206 | 87.1% | 5.8% |
| Sector Total | 8,166,615 | 100.0% | 6.7% |
| Federal Agency/GSE | | | |
| FANNIE MAE | 9,855,045 | 43.6% | 8.1% |
| FEDERAL HOME LOAN BANKS | 9,096,137 | 40.3% | 7.5% |
| FREDDIE MAC | 3,631,825 | 16.1% | 3.0% |
| Sector Total | 22,583,006 | 100.0% | 18.5% |
| Municipal | | | |
| CALIFORNIA ST | 1,423,746 | 32.0% | 1.2% |
| STATE OF CONNECTICUT | 1,325,474 | 29.8% | 1.1% |
| UNIVERSITY OF CALIFORNIA | 1,699,128 | 38.2% | 1.4% |
| Sector Total | 4,448,348 | 100.0% | 3.7% |
| Supra-Sov / Supra-Natl Agency | | | |
| INTER-AMERICAN DEVELOPMENT BANK | 2,605,046 | 30.1% | 2.1% |
| INTERNATIONAL FINANCE CORPORATION | 1,847,904 | 21.3% | 1.5% |
| INTL BANK OF RECONSTRUCTION AND DEV | 4,213,894 | 48.6% | 3.5% |

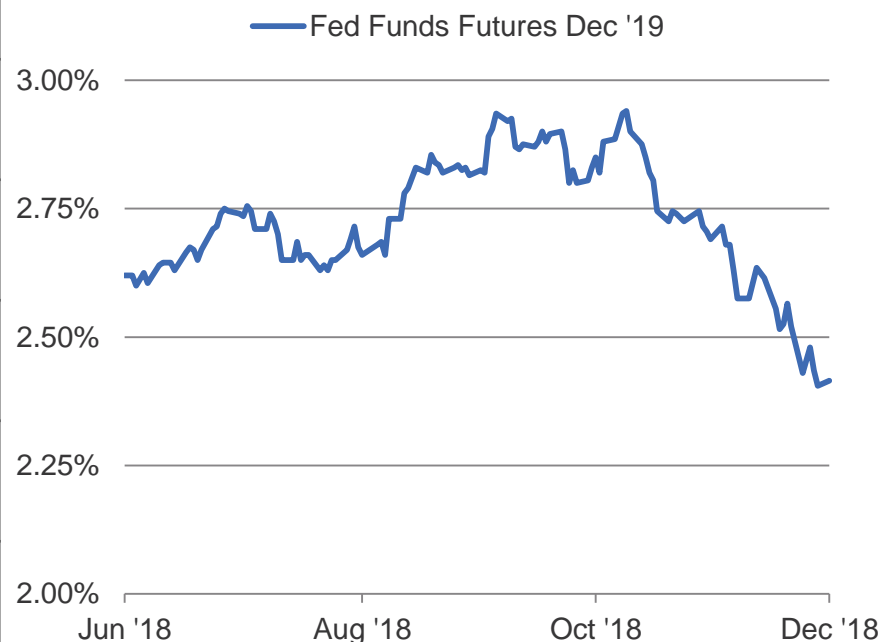
| Sector / Issuer | Market Value (\$) | % of Sector | % of Total Portfolio |
|------------------------|--------------------|---------------|----------------------|
| Sector Total | 8,666,844 | 100.0% | 7.1% |
| U.S. Treasury | | | |
| UNITED STATES TREASURY | 60,434,230 | 100.0% | 49.6% |
| Sector Total | 60,434,230 | 100.0% | 49.6% |
| Portfolio Total | 121,751,360 | 100.0% | 100.0% |

Fed Expectations for 2019 Less Optimistic

- According to the Federal Open Market Committee meeting minutes from December, the Committee believes that risks to the economic outlook are roughly balanced, but it will continue to monitor global economic and financial developments and assess their implications for the economic outlook.
- The Committee has grown less optimistic regarding near-term economic growth as its December projections for 2019 real GDP and inflation have decreased from the prior quarter's expectations.

| Indicator | 2018 | | 2019 | | Longer run | |
|-----------------------------|-------|-------------|-------|-------------|------------|-------------|
| | Sept. | Dec. | Sept. | Dec. | Sept. | Dec. |
| Real GDP (YoY) | 3.1% | 3.0% | 2.5% | 2.3% | 1.8% | 1.9% |
| Unemployment Rate | 3.7% | 3.7% | 3.5% | 3.5% | 4.5% | 4.4% |
| PCE Inflation (YoY) | 2.1% | 1.9% | 2.0% | 1.9% | 2.0% | 2.0% |
| Core PCE (YoY) | 2.0% | 1.9% | 2.1% | 2.0% | - | - |
| Federal Funds Rate (Median) | 2.4% | 2.4% | 3.1% | 2.9% | 3.0% | 2.8% |

Market Implied Expectations Drop for Fed Funds' Rate at Year-End 2019



Source: Federal Reserve, Bloomberg as of 12/31/2018.

Current Outlook & Strategy

- While the path of future Fed rate hikes is less clear than in recent years, we expect future tightening (additional Fed rate hikes) to be modest. Further, political gridlock adds additional uncertainty. As a result, we will seek to increase portfolio duration to be more in line with (neutral to) the benchmark.
- Our outlooks for the major investment-grade fixed income sectors are as follows:
 - Despite the outperformance from the federal agency sector in Q4, federal agency spreads (incremental yield) remain very narrow as most maturities offer less than five basis points (0.05%) of incremental yield relative to U.S. Treasuries. We will continue to moderate use of agencies where spreads are tight, seeking better relative value in either Treasuries or other sectors. Callable agencies will continue to be evaluated and, where analyses indicate strong value, we will seek to utilize these securities as portfolio diversifiers.
 - Supranational issuance is expected to increase during the first quarter of 2019. We will seek to take advantage of attractively priced new issues through the first several months of the year.
 - Although it appears that volatility may not dissipate quickly, the significant sell-off in the corporate sector (resulting in wider spreads) presents an opportunity to selectively add to the sector. Our preference is for high-quality, defensive issuers with a focus on one to three-year maturities. We continue to prefer financials (specifically domestic issuers) and to remain selective in industrial issuers.
 - Allocations to AAA-rated Asset-Backed Securities (ABS) will be maintained. The sector continues to offer attractive incremental income compared to government securities while also serving as a lower volatility credit alternative. Further, as issuance is expected to increase through the beginning of the year, opportunities may arise to add exposure.
 - Short-term money market investors continue to reap the rewards of current monetary policy as the fed funds effective rate now nears two and a half percent. Short-term negotiable bank certificates of deposit have since normalized off of year-end tights and once again provide an attractive, high-quality source of incremental income.

Portfolio Transactions and Holdings

Quarterly Portfolio Transactions

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|------------------|-------------|------------------|-----------|------------------------------------|--------|---------------|---------------------|-----------------|-------------------|
| BUY | | | | | | | | | |
| 10/10/18 | 10/17/18 | 125,000 | 05586CAC8 | BMWLT 2018-1 A3 | 3.26% | 7/20/21 | 124,982.63 | 3.27% | |
| 10/16/18 | 10/18/18 | 600,000 | 86565BPC9 | SUMITOMO MITSUI BANK NY CERT DEPOS | 3.39% | 10/16/20 | 599,184.00 | 3.46% | |
| 10/16/18 | 10/23/18 | 200,000 | 34532TAD4 | FORD CREDIT AUTO OWNER TRUST | 3.24% | 4/15/23 | 199,965.80 | 3.34% | |
| 10/16/18 | 10/24/18 | 225,000 | 65478BAD3 | NISSAN AUTO LEASE TRUST | 3.25% | 9/15/21 | 224,980.34 | 3.26% | |
| 10/17/18 | 10/24/18 | 225,000 | 14315EAC4 | CARMAX AUTO OWNER TRUST | 3.36% | 9/15/23 | 224,997.93 | 3.36% | |
| 11/1/18 | 11/6/18 | 200,000 | 025816BY4 | AMERICAN EXPRESS CREDIT CORP NOTES | 3.70% | 11/5/21 | 199,956.00 | 3.71% | |
| 11/2/18 | 11/6/18 | 2,425,000 | 3130AF5B9 | FEDERAL HOME LOAN BANKS NOTES | 3.00% | 10/12/21 | 2,428,443.50 | 3.02% | |
| 11/7/18 | 11/19/18 | 1,255,000 | 3137FJYA1 | FHMS J22F A1 | 3.45% | 5/25/23 | 1,257,133.51 | 3.28% | |
| 11/27/18 | 12/6/18 | 175,000 | 437076BV3 | HOME DEPOT INC | 3.25% | 3/1/22 | 174,520.50 | 3.34% | |
| 12/4/18 | 12/12/18 | 150,000 | 44933AAC1 | HART 2018-B A3 | 3.20% | 12/15/22 | 149,998.20 | 3.48% | |
| 12/4/18 | 12/12/18 | 200,000 | 65478NAD7 | NAROT 2018-C A3 | 3.22% | 6/15/23 | 199,961.68 | 3.53% | |
| 12/7/18 | 12/14/18 | 1,225,000 | 3137FKK70 | FHMS KJ23 A1 | 3.17% | 3/1/22 | 1,226,394.25 | 3.05% | |
| 12/7/18 | 12/17/18 | 590,000 | 3137FKK39 | FHMS KP05 A | 3.20% | 7/1/23 | 590,838.13 | 3.11% | |
| Total BUY | | 7,595,000 | | | | | 7,601,356.47 | | |
| INTEREST | | | | | | | | | |
| 10/1/18 | 10/1/18 | 200,000 | 06051GGS2 | BANK OF AMERICA CORP (CALLABLE) | 2.32% | 10/1/21 | 2,328.00 | | |
| 10/1/18 | 10/1/18 | 390,000 | 06051GGS2 | BANK OF AMERICA CORP (CALLABLE) | 2.32% | 10/1/21 | 4,539.60 | | |
| 10/1/18 | 10/1/18 | 1,425,000 | 13063DGA0 | CA ST TXBL GO BONDS | 2.80% | 4/1/21 | 17,290.00 | | |
| 10/1/18 | 10/15/18 | 10,571 | 3137BHU39 | FREDDIE MAC SERIES 4459 NB | 4.50% | 1/1/20 | 39.64 | | |
| 10/1/18 | 10/25/18 | 216,510 | 3136AQDQ0 | FANNIE MAE SERIES 2015-M13 ASQ2 | 1.64% | 9/1/19 | 296.98 | | |
| 10/1/18 | 10/25/18 | 131,410 | 3136ANA98 | FNMA SERIES 2015-M10 FA | 2.53% | 3/1/19 | 253.99 | | |
| 10/1/18 | 10/25/18 | 802,486 | 3136B1XP4 | FNA 2018-M5 A2 | 3.56% | 9/25/21 | 2,466.60 | | |
| 10/1/18 | 10/25/18 | 29,039 | 3136AQSW1 | FNMA SERIES 2015-M15 ASQ2 | 1.89% | 1/1/19 | 45.93 | | |

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|------------|-------------|-----------|-----------|---|--------|---------------|-------------------|-----------------|-------------------|
| 10/1/18 | 10/25/18 | 974,349 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 1,285.33 | | |
| 10/1/18 | 10/25/18 | 474,008 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 625.30 | | |
| 10/1/18 | 10/25/18 | 34,785 | 3136ASPX8 | FNMA SERIES 2016-M9 ASQ2 | 1.78% | 6/1/19 | 51.74 | | |
| 10/1/18 | 10/25/18 | 548,727 | 3137AA4V2 | FHLMC SERIES K013 A1 | 2.90% | 8/25/20 | 1,327.00 | | |
| 10/1/18 | 10/25/18 | 1,225,000 | 31398VJ98 | FHMS K006 A2 | 4.25% | 1/25/20 | 4,339.56 | | |
| 10/1/18 | 10/25/18 | 878,982 | 3137B6ZM6 | FHMS K714 A2 | 3.03% | 10/25/20 | 2,222.36 | | |
| 10/1/18 | 10/25/18 | 107,968 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 142.43 | | |
| 10/1/18 | 10/25/18 | 544,899 | 3136AP3Z3 | FNMA SERIES 2015-M12 FA | 2.62% | 4/1/20 | 1,094.06 | | |
| 10/10/18 | 10/10/18 | 600,000 | 13606BVF0 | CANADIAN IMP BK COMM NY FLT CERT DEPOS | 2.81% | 4/10/20 | 4,188.21 | | |
| 10/10/18 | 10/10/18 | 600,000 | 22532XHT8 | CREDIT AGRICOLE CIB NY FLT CERT DEPOS | 2.88% | 4/10/20 | 4,295.54 | | |
| 10/13/18 | 10/13/18 | 365,000 | 89236TEU5 | TOYOTA MOTOR CREDIT CORP NOTES | 2.95% | 4/13/21 | 5,383.75 | | |
| 10/15/18 | 10/15/18 | 260,000 | 44931PAD8 | HYUNDAI ABS 2017-A A3 | 1.76% | 8/15/21 | 381.33 | | |
| 10/15/18 | 10/15/18 | 315,000 | 654747AD6 | NISSAN ABS 2017-A A3 | 1.74% | 8/15/21 | 456.75 | | |
| 10/15/18 | 10/15/18 | 230,000 | 34531LAD2 | FORDL 2018-B A3 | 3.19% | 12/15/21 | 489.13 | | |
| 10/15/18 | 10/15/18 | 120,000 | 47787XAC1 | JOHN DEERE ABS 2017-A A3 | 1.78% | 4/15/21 | 178.00 | | |
| 10/15/18 | 10/15/18 | 47,489 | 14314JAB6 | CARMAX ABS 2017-1 A2 | 1.54% | 2/15/20 | 60.94 | | |
| 10/15/18 | 10/15/18 | 145,000 | 89238MAD0 | TOYOTA ABS 2017-A A3 | 1.73% | 2/15/21 | 209.04 | | |
| 10/15/18 | 10/15/18 | 128,973 | 02007PAC7 | ALLY ABS 2017-1 A3 | 1.70% | 6/15/21 | 182.71 | | |
| 10/15/18 | 10/15/18 | 54,012 | 34530YAD5 | FORD ABS 2015-C A3 | 1.41% | 2/15/20 | 63.46 | | |
| 10/15/18 | 10/15/18 | 480,000 | 02007HAC5 | ALLY ABS 2017-2 A3 | 1.78% | 8/15/21 | 712.00 | | |
| 10/15/18 | 10/15/18 | 285,000 | 14313FAD1 | CARMAX AUTO OWNER TRUST | 3.13% | 6/15/23 | 743.38 | | |
| 10/19/18 | 10/19/18 | 1,400,000 | 4581X0DB1 | INTER-AMERICAN DEVELOPMENT BANK NOTE | 2.62% | 4/19/21 | 18,375.00 | | |
| 10/20/18 | 10/20/18 | 1,200,000 | 3137EAEF2 | FHLMC AGENCY NOTES | 1.37% | 4/20/20 | 8,250.00 | | |
| 10/20/18 | 10/20/18 | 170,000 | 36256GAD1 | GMALT 2018-3 A3 | 3.18% | 6/20/21 | 360.40 | | |
| 10/21/18 | 10/21/18 | 274,622 | 43814TAC6 | HONDA ABS 2017-1 A3 | 1.72% | 7/21/21 | 393.63 | | |
| 10/21/18 | 10/21/18 | 300,000 | 61746BEA0 | MORGAN STANLEY CORP NOTES | 2.50% | 4/21/21 | 3,750.00 | | |
| 10/30/18 | 10/30/18 | 600,000 | 0258M0EC9 | AMERICAN EXPRESS CREDIT (CALLABLE) CORP | 1.70% | 10/30/19 | 5,100.00 | | |
| 10/31/18 | 10/31/18 | 4,300,000 | 912828K58 | US TREASURY NOTES | 1.37% | 4/30/20 | 29,562.50 | | |
| 11/1/18 | 11/25/18 | 52,265 | 3136ANA98 | FNMA SERIES 2015-M10 FA | 2.53% | 3/1/19 | 108.67 | | |
| 11/1/18 | 11/25/18 | 130,799 | 3136AQDQ0 | FANNIE MAE SERIES 2015-M13 ASQ2 | 1.64% | 9/1/19 | 179.41 | | |

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|------------|-------------|-----------|-----------|---------------------------------|--------|---------------|-------------------|-----------------|-------------------|
| 11/1/18 | 11/25/18 | 28,997 | 3136AQSW1 | FNMA SERIES 2015-M15 ASQ2 | 1.89% | 1/1/19 | 45.87 | | |
| 11/1/18 | 11/25/18 | 30,351 | 3136ASPX8 | FNMA SERIES 2016-M9 ASQ2 | 1.78% | 6/1/19 | 45.15 | | |
| 11/1/18 | 11/25/18 | 525,133 | 3137AA4V2 | FHLMC SERIES K013 A1 | 2.90% | 8/25/20 | 1,269.95 | | |
| 11/1/18 | 11/25/18 | 1,225,000 | 31398VJ98 | FHMS K006 A2 | 4.25% | 1/25/20 | 4,339.56 | | |
| 11/1/18 | 11/25/18 | 952,682 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 1,256.75 | | |
| 11/1/18 | 11/25/18 | 463,467 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 611.39 | | |
| 11/1/18 | 11/25/18 | 765,931 | 3136B1XP4 | FNA 2018-M5 A2 | 3.56% | 9/25/21 | 2,358.48 | | |
| 11/1/18 | 11/25/18 | 105,567 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 139.26 | | |
| 11/1/18 | 11/25/18 | 877,381 | 3137B6ZM6 | FHMS K714 A2 | 3.03% | 10/25/20 | 2,218.31 | | |
| 11/1/18 | 11/25/18 | 451,129 | 3136AP3Z3 | FNMA SERIES 2015-M12 FA | 2.62% | 4/1/20 | 972.93 | | |
| 11/1/18 | 11/15/18 | 8,104 | 3137BHU39 | FREDDIE MAC SERIES 4459 NB | 4.50% | 1/1/20 | 30.39 | | |
| 11/9/18 | 11/9/18 | 1,215,000 | 4581X0CD8 | INTER-AMERICAN DEVELOPMENT BANK | 2.12% | 11/9/20 | 12,909.38 | | |
| 11/15/18 | 11/15/18 | 120,000 | 47787XAC1 | JOHN DEERE ABS 2017-A A3 | 1.78% | 4/15/21 | 178.00 | | |
| 11/15/18 | 11/15/18 | 225,000 | 65478BAD3 | NISSAN AUTO LEASE TRUST | 3.25% | 9/15/21 | 426.56 | | |
| 11/15/18 | 11/15/18 | 225,000 | 14315EAC4 | CARMAX AUTO OWNER TRUST | 3.36% | 9/15/23 | 441.00 | | |
| 11/15/18 | 11/15/18 | 200,000 | 34532TAD4 | FORD CREDIT AUTO OWNER TRUST | 3.24% | 4/15/23 | 396.00 | | |
| 11/15/18 | 11/15/18 | 625,000 | 91412GS89 | UNIV OF CAL TXBL REV BOND | 1.90% | 5/15/20 | 5,937.50 | | |
| 11/15/18 | 11/15/18 | 625,000 | 91412GS71 | UNIV OF CAL TXBL REV BOND | 1.61% | 5/15/19 | 5,031.25 | | |
| 11/15/18 | 11/15/18 | 455,000 | 91412HBH5 | UNIV OF CAL TXBL REV BONDS | 3.02% | 5/15/21 | 6,125.31 | | |
| 11/15/18 | 11/15/18 | 28,936 | 34530YAD5 | FORD ABS 2015-C A3 | 1.41% | 2/15/20 | 34.00 | | |
| 11/15/18 | 11/15/18 | 145,000 | 89238MAD0 | TOYOTA ABS 2017-A A3 | 1.73% | 2/15/21 | 209.04 | | |
| 11/15/18 | 11/15/18 | 285,000 | 14313FAD1 | CARMAX AUTO OWNER TRUST | 3.13% | 6/15/23 | 743.38 | | |
| 11/15/18 | 11/15/18 | 16,715 | 14314JAB6 | CARMAX ABS 2017-1 A2 | 1.54% | 2/15/20 | 21.45 | | |
| 11/15/18 | 11/15/18 | 260,000 | 44931PAD8 | HYUNDAI ABS 2017-A A3 | 1.76% | 8/15/21 | 381.33 | | |
| 11/15/18 | 11/15/18 | 315,000 | 654747AD6 | NISSAN ABS 2017-A A3 | 1.74% | 8/15/21 | 456.75 | | |
| 11/15/18 | 11/15/18 | 480,000 | 02007HAC5 | ALLY ABS 2017-2 A3 | 1.78% | 8/15/21 | 712.00 | | |
| 11/15/18 | 11/15/18 | 120,734 | 02007PAC7 | ALLY ABS 2017-1 A3 | 1.70% | 6/15/21 | 171.04 | | |
| 11/15/18 | 11/15/18 | 230,000 | 34531LAD2 | FORDL 2018-B A3 | 3.19% | 12/15/21 | 611.42 | | |
| 11/20/18 | 11/20/18 | 170,000 | 36256GAD1 | GMALT 2018-3 A3 | 3.18% | 6/20/21 | 450.50 | | |
| 11/20/18 | 11/20/18 | 125,000 | 05586CAC8 | BMWLT 2018-1 A3 | 3.26% | 7/20/21 | 373.54 | | |

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|------------|-------------|-----------|-----------|--|--------|---------------|-------------------|-----------------|-------------------|
| 11/21/18 | 11/21/18 | 235,000 | 808513AW5 | CHARLES SCHWAB CORP NOTES | 3.25% | 5/21/21 | 3,797.53 | | |
| 11/21/18 | 11/21/18 | 258,400 | 43814TAC6 | HONDA ABS 2017-1 A3 | 1.72% | 7/21/21 | 370.37 | | |
| 11/27/18 | 11/27/18 | 1,225,000 | 459058FS7 | INTL BANK OF RECON AND DEV GLOBAL NOTES | 1.12% | 11/27/19 | 6,896.75 | | |
| 11/28/18 | 11/28/18 | 3,250,000 | 3130AECJ7 | FEDERAL HOME LOAN BANKS NOTES | 2.62% | 5/28/20 | 44,315.10 | | |
| 11/30/18 | 11/30/18 | 500,000 | 912828M98 | US TREASURY NOTES | 1.62% | 11/30/20 | 4,062.50 | | |
| 11/30/18 | 11/30/18 | 2,500,000 | 912828XE5 | US TREASURY NOTES | 1.50% | 5/31/20 | 18,750.00 | | |
| 11/30/18 | 11/30/18 | 3,225,000 | 912828WN6 | US TREASURY NOTES | 2.00% | 5/31/21 | 32,250.00 | | |
| 11/30/18 | 11/30/18 | 5,850,000 | 912828G61 | US TREASURY NOTES | 1.50% | 11/30/19 | 43,875.00 | | |
| 11/30/18 | 11/30/18 | 3,600,000 | 912828M98 | US TREASURY NOTES | 1.62% | 11/30/20 | 29,250.00 | | |
| 12/1/18 | 12/15/18 | 6,057 | 3137BHU39 | FREDDIE MAC SERIES 4459 NB | 4.50% | 1/1/20 | 22.71 | | |
| 12/1/18 | 12/25/18 | 875,873 | 3137B6ZM6 | FHMS K714 A2 | 3.03% | 10/25/20 | 2,214.50 | | |
| 12/1/18 | 12/25/18 | 52,159 | 3136ANA98 | FNMA SERIES 2015-M10 FA | 2.53% | 3/1/19 | 110.05 | | |
| 12/1/18 | 12/25/18 | 82,444 | 3136AQDQ0 | FANNIE MAE SERIES 2015-M13 ASQ2 | 1.64% | 9/1/19 | 113.09 | | |
| 12/1/18 | 12/25/18 | 103,297 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 136.27 | | |
| 12/1/18 | 12/25/18 | 453,501 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 598.24 | | |
| 12/1/18 | 12/25/18 | 28,208 | 3136ASPX8 | FNMA SERIES 2016-M9 ASQ2 | 1.78% | 6/1/19 | 41.96 | | |
| 12/1/18 | 12/25/18 | 733,320 | 3136B1XP4 | FNA 2018-M5 A2 | 3.56% | 9/25/21 | 2,175.52 | | |
| 12/1/18 | 12/25/18 | 1,225,000 | 31398VJ98 | FHMS K006 A2 | 4.25% | 1/25/20 | 4,339.56 | | |
| 12/1/18 | 12/25/18 | 210,553 | 3136AP3Z3 | FNMA SERIES 2015-M12 FA | 2.62% | 4/1/20 | 460.06 | | |
| 12/1/18 | 12/25/18 | 932,196 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 1,229.72 | | |
| 12/1/18 | 12/25/18 | 24,046 | 3136AQSW1 | FNMA SERIES 2015-M15 ASQ2 | 1.89% | 1/1/19 | 38.03 | | |
| 12/1/18 | 12/25/18 | 503,081 | 3137AA4V2 | FHLMC SERIES K013 A1 | 2.90% | 8/25/20 | 1,216.62 | | |
| 12/1/18 | 12/25/18 | 1,255,000 | 3137FJYA1 | FHMS J22F A1 | 3.45% | 5/25/23 | 3,612.31 | | |
| 12/5/18 | 12/5/18 | 600,000 | 06417GU22 | BANK OF NOVA SCOTIA HOUSTON CD | 3.08% | 6/5/20 | 9,137.33 | | |
| 12/7/18 | 12/7/18 | 600,000 | 78012UEE1 | ROYAL BANK OF CANADA NY CD | 3.24% | 6/7/21 | 9,666.00 | | |
| 12/13/18 | 12/13/18 | 600,000 | 38145GAJ9 | GOLDMAN SACHS GROUP (CALLABLE) INC BONDS | 2.30% | 12/13/19 | 6,900.00 | | |
| 12/15/18 | 12/15/18 | 114,371 | 47787XAC1 | JOHN DEERE ABS 2017-A A3 | 1.78% | 4/15/21 | 169.65 | | |
| 12/15/18 | 12/15/18 | 1,791 | 34530YAD5 | FORD ABS 2015-C A3 | 1.41% | 2/15/20 | 2.10 | | |
| 12/15/18 | 12/15/18 | 225,000 | 14315EAC4 | CARMAX AUTO OWNER TRUST | 3.36% | 9/15/23 | 630.00 | | |
| 12/15/18 | 12/15/18 | 230,000 | 34531LAD2 | FORDL 2018-B A3 | 3.19% | 12/15/21 | 611.42 | | |

CITY OF HAYWARD

Portfolio Activity

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|------------|-------------|-----------|-----------|--------------------------------|--------|---------------|-------------------|-----------------|-------------------|
| 12/15/18 | 12/15/18 | 315,000 | 654747AD6 | NISSAN ABS 2017-A A3 | 1.74% | 8/15/21 | 456.75 | | |
| 12/15/18 | 12/15/18 | 140,713 | 89238MAD0 | TOYOTA ABS 2017-A A3 | 1.73% | 2/15/21 | 202.86 | | |
| 12/15/18 | 12/15/18 | 111,807 | 02007PAC7 | ALLY ABS 2017-1 A3 | 1.70% | 6/15/21 | 158.39 | | |
| 12/15/18 | 12/15/18 | 260,000 | 44931PAD8 | HYUNDAI ABS 2017-A A3 | 1.76% | 8/15/21 | 381.33 | | |
| 12/15/18 | 12/15/18 | 225,000 | 65478BAD3 | NISSAN AUTO LEASE TRUST | 3.25% | 9/15/21 | 609.38 | | |
| 12/15/18 | 12/15/18 | 450,050 | 02007HAC5 | ALLY ABS 2017-2 A3 | 1.78% | 8/15/21 | 667.57 | | |
| 12/15/18 | 12/15/18 | 285,000 | 14313FAD1 | CARMAX AUTO OWNER TRUST | 3.13% | 6/15/23 | 743.38 | | |
| 12/15/18 | 12/15/18 | 200,000 | 34532TAD4 | FORD CREDIT AUTO OWNER TRUST | 3.24% | 4/15/23 | 540.00 | | |
| 12/18/18 | 12/18/18 | 600,000 | 46647PAS5 | JPMORGAN CHASE & CO CORP NOTES | 3.51% | 6/18/22 | 10,542.00 | | |
| 12/20/18 | 12/20/18 | 170,000 | 36256GAD1 | GMALT 2018-3 A3 | 3.18% | 6/20/21 | 450.50 | | |
| 12/20/18 | 12/20/18 | 125,000 | 05586CAC8 | BMWLT 2018-1 A3 | 3.26% | 7/20/21 | 339.58 | | |
| 12/21/18 | 12/21/18 | 241,723 | 43814TAC6 | HONDA ABS 2017-1 A3 | 1.72% | 7/21/21 | 346.47 | | |
| 12/22/18 | 12/22/18 | 1,745,000 | 3135G0U35 | FANNIE MAE NOTES | 2.75% | 6/22/21 | 23,593.85 | | |
| 12/31/18 | 12/31/18 | 600,000 | 912828G95 | US TREASURY NOTES | 1.62% | 12/31/19 | 4,875.00 | | |
| 12/31/18 | 12/31/18 | 1,500,000 | 912828WR7 | US TREASURY NOTES | 2.12% | 6/30/21 | 15,937.50 | | |
| 12/31/18 | 12/31/18 | 4,600,000 | 912828N48 | US TREASURY NOTES | 1.75% | 12/31/20 | 40,250.00 | | |
| 12/31/18 | 12/31/18 | 7,750,000 | 912828XH8 | US TREASURY NOTES | 1.62% | 6/30/20 | 62,968.75 | | |

| | | | | | | | | | |
|-----------------------|-------------------|--|--|--|--|--|-------------------|--|--|
| Total INTEREST | 80,170,609 | | | | | | 560,725.56 | | |
|-----------------------|-------------------|--|--|--|--|--|-------------------|--|--|

PAYDOWNS

| | | | | | | | | | |
|---------|----------|--------|-----------|---------------------------------|-------|----------|-----------|--|------|
| 10/1/18 | 10/15/18 | 2,466 | 3137BHU39 | FREDDIE MAC SERIES 4459 NB | 4.50% | 1/1/20 | 2,466.10 | | 0.00 |
| 10/1/18 | 10/25/18 | 21,667 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 21,667.47 | | 0.00 |
| 10/1/18 | 10/25/18 | 10,541 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 10,540.94 | | 0.00 |
| 10/1/18 | 10/25/18 | 2,401 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 2,400.99 | | 0.00 |
| 10/1/18 | 10/25/18 | 23,594 | 3137AA4V2 | FHLMC SERIES K013 A1 | 2.90% | 8/25/20 | 23,593.55 | | 0.00 |
| 10/1/18 | 10/25/18 | 1,601 | 3137B6ZM6 | FHMS K714 A2 | 3.03% | 10/25/20 | 1,600.87 | | 0.00 |
| 10/1/18 | 10/25/18 | 93,770 | 3136AP3Z3 | FNMA SERIES 2015-M12 FA | 2.62% | 4/1/20 | 93,770.49 | | 0.00 |
| 10/1/18 | 10/25/18 | 85,712 | 3136AQDQ0 | FANNIE MAE SERIES 2015-M13 ASQ2 | 1.64% | 9/1/19 | 85,711.59 | | 0.00 |

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|------------|-------------|----------|-----------|---------------------------------|--------|---------------|-------------------|-----------------|-------------------|
| 10/1/18 | 10/25/18 | 42 | 3136AQSW1 | FNMA SERIES 2015-M15 ASQ2 | 1.89% | 1/1/19 | 42.30 | | 0.00 |
| 10/1/18 | 10/25/18 | 4,435 | 3136ASPX8 | FNMA SERIES 2016-M9 ASQ2 | 1.78% | 6/1/19 | 4,434.84 | | 0.00 |
| 10/1/18 | 10/25/18 | 36,555 | 3136B1XP4 | FNA 2018-M5 A2 | 3.56% | 9/25/21 | 36,555.23 | | 0.00 |
| 10/1/18 | 10/25/18 | 79,144 | 3136ANA98 | FNMA SERIES 2015-M10 FA | 2.53% | 3/1/19 | 79,144.44 | | 0.00 |
| 10/15/18 | 10/15/18 | 8,239 | 02007PAC7 | ALLY ABS 2017-1 A3 | 1.70% | 6/15/21 | 8,238.85 | | 0.00 |
| 10/15/18 | 10/15/18 | 30,774 | 14314JAB6 | CARMAX ABS 2017-1 A2 | 1.54% | 2/15/20 | 30,774.13 | | 0.00 |
| 10/15/18 | 10/15/18 | 25,076 | 34530YAD5 | FORD ABS 2015-C A3 | 1.41% | 2/15/20 | 25,076.45 | | 0.00 |
| 10/21/18 | 10/21/18 | 16,223 | 43814TAC6 | HONDA ABS 2017-1 A3 | 1.72% | 7/21/21 | 16,222.74 | | 0.00 |
| 11/1/18 | 11/25/18 | 20,486 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 20,485.85 | | 0.00 |
| 11/1/18 | 11/25/18 | 2,270 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 2,270.06 | | 0.00 |
| 11/1/18 | 11/25/18 | 9,966 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 9,966.08 | | 0.00 |
| 11/1/18 | 11/25/18 | 22,052 | 3137AA4V2 | FHLMC SERIES K013 A1 | 2.90% | 8/25/20 | 22,051.61 | | 0.00 |
| 11/1/18 | 11/25/18 | 1,508 | 3137B6ZM6 | FHMS K714 A2 | 3.03% | 10/25/20 | 1,507.98 | | 0.00 |
| 11/1/18 | 11/25/18 | 240,576 | 3136AP3Z3 | FNMA SERIES 2015-M12 FA | 2.62% | 4/1/20 | 240,576.03 | | 0.00 |
| 11/1/18 | 11/25/18 | 4,952 | 3136AQSW1 | FNMA SERIES 2015-M15 ASQ2 | 1.89% | 1/1/19 | 4,951.54 | | 0.00 |
| 11/1/18 | 11/25/18 | 32,611 | 3136B1XP4 | FNA 2018-M5 A2 | 3.56% | 9/25/21 | 32,610.65 | | 0.00 |
| 11/1/18 | 11/25/18 | 2,143 | 3136ASPX8 | FNMA SERIES 2016-M9 ASQ2 | 1.78% | 6/1/19 | 2,142.74 | | 0.00 |
| 11/1/18 | 11/25/18 | 107 | 3136ANA98 | FNMA SERIES 2015-M10 FA | 2.53% | 3/1/19 | 106.61 | | 0.00 |
| 11/1/18 | 11/25/18 | 48,354 | 3136AQDQ0 | FANNIE MAE SERIES 2015-M13 ASQ2 | 1.64% | 9/1/19 | 48,354.29 | | 0.00 |
| 11/1/18 | 11/15/18 | 2,047 | 3137BHU39 | FREDDIE MAC SERIES 4459 NB | 4.50% | 1/1/20 | 2,047.26 | | 0.00 |
| 11/15/18 | 11/15/18 | 4,287 | 89238MAD0 | TOYOTA ABS 2017-A A3 | 1.73% | 2/15/21 | 4,287.30 | | 0.00 |
| 11/15/18 | 11/15/18 | 29,950 | 02007HAC5 | ALLY ABS 2017-2 A3 | 1.78% | 8/15/21 | 29,949.85 | | 0.00 |
| 11/15/18 | 11/15/18 | 8,927 | 02007PAC7 | ALLY ABS 2017-1 A3 | 1.70% | 6/15/21 | 8,927.20 | | 0.00 |
| 11/15/18 | 11/15/18 | 16,715 | 14314JAB6 | CARMAX ABS 2017-1 A2 | 1.54% | 2/15/20 | 16,714.55 | | 0.00 |
| 11/15/18 | 11/15/18 | 27,145 | 34530YAD5 | FORD ABS 2015-C A3 | 1.41% | 2/15/20 | 27,145.13 | | 0.00 |
| 11/15/18 | 11/15/18 | 5,629 | 47787XAC1 | JOHN DEERE ABS 2017-A A3 | 1.78% | 4/15/21 | 5,628.58 | | 0.00 |
| 11/21/18 | 11/21/18 | 16,677 | 43814TAC6 | HONDA ABS 2017-1 A3 | 1.72% | 7/21/21 | 16,677.09 | | 0.00 |
| 12/1/18 | 12/15/18 | 1,868 | 3137BHU39 | FREDDIE MAC SERIES 4459 NB | 4.50% | 1/1/20 | 1,867.68 | | 0.00 |
| 12/1/18 | 12/25/18 | 10,607 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 10,607.01 | | 0.00 |
| 12/1/18 | 12/25/18 | 2,416 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 2,416.04 | | 0.00 |

CITY OF HAYWARD

Portfolio Activity

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|-----------------------|-------------|------------------|-----------|---------------------------------|--------|---------------|---------------------|-----------------|-------------------|
| 12/1/18 | 12/25/18 | 21,803 | 3137AWQG3 | FHMS K023 A1 | 1.58% | 4/25/22 | 21,803.29 | | 0.00 |
| 12/1/18 | 12/25/18 | 24,405 | 3136ASPX8 | FNMA SERIES 2016-M9 ASQ2 | 1.78% | 6/1/19 | 24,405.29 | | 0.00 |
| 12/1/18 | 12/25/18 | 23,778 | 3137AA4V2 | FHLMC SERIES K013 A1 | 2.90% | 8/25/20 | 23,778.42 | | 0.00 |
| 12/1/18 | 12/25/18 | 1,611 | 3137B6ZM6 | FHMS K714 A2 | 3.03% | 10/25/20 | 1,611.29 | | 0.00 |
| 12/1/18 | 12/25/18 | 26,571 | 3136AP3Z3 | FNMA SERIES 2015-M12 FA | 2.62% | 4/1/20 | 26,570.63 | | 0.00 |
| 12/1/18 | 12/25/18 | 11,806 | 3136AQSW1 | FNMA SERIES 2015-M15 ASQ2 | 1.89% | 1/1/19 | 11,806.05 | | 0.00 |
| 12/1/18 | 12/25/18 | 111 | 3136ANA98 | FNMA SERIES 2015-M10 FA | 2.53% | 3/1/19 | 111.23 | | 0.00 |
| 12/1/18 | 12/25/18 | 15,598 | 3136B1XP4 | FNA 2018-M5 A2 | 3.56% | 9/25/21 | 15,597.73 | | 0.00 |
| 12/1/18 | 12/25/18 | 2,966 | 3137FJYA1 | FHMS J22F A1 | 3.45% | 5/25/23 | 2,966.47 | | 0.00 |
| 12/1/18 | 12/25/18 | 7,123 | 3136AQDQ0 | FANNIE MAE SERIES 2015-M13 ASQ2 | 1.64% | 9/1/19 | 7,122.60 | | 0.00 |
| 12/15/18 | 12/15/18 | 10,355 | 89238MAD0 | TOYOTA ABS 2017-A A3 | 1.73% | 2/15/21 | 10,354.85 | | 0.00 |
| 12/15/18 | 12/15/18 | 7,953 | 02007PAC7 | ALLY ABS 2017-1 A3 | 1.70% | 6/15/21 | 7,952.59 | | 0.00 |
| 12/15/18 | 12/15/18 | 30,341 | 02007HAC5 | ALLY ABS 2017-2 A3 | 1.78% | 8/15/21 | 30,340.86 | | 0.00 |
| 12/15/18 | 12/15/18 | 1,791 | 34530YAD5 | FORD ABS 2015-C A3 | 1.41% | 2/15/20 | 1,790.55 | | 0.00 |
| 12/15/18 | 12/15/18 | 8,687 | 47787XAC1 | JOHN DEERE ABS 2017-A A3 | 1.78% | 4/15/21 | 8,687.33 | | 0.00 |
| 12/21/18 | 12/21/18 | 15,791 | 43814TAC6 | HONDA ABS 2017-1 A3 | 1.72% | 7/21/21 | 15,791.11 | | 0.00 |
| Total PAYDOWNS | | 1,164,222 | | | | | 1,164,222.40 | | 0.00 |

SELL

| | | | | | | | | | |
|----------|----------|-----------|-----------|---|-------|----------|--------------|-------|-------------|
| 10/16/18 | 10/18/18 | 465,000 | 172967KS9 | CITIGROUP INC CORP NOTES | 2.05% | 6/7/19 | 465,888.02 | 2.93% | (2,528.12) |
| 10/16/18 | 10/18/18 | 300,000 | 46625HQU7 | JP MORGAN CHASE & CORP NOTES (CALLABLE) | 1.85% | 3/22/19 | 299,302.83 | 2.71% | (1,266.11) |
| 10/17/18 | 10/22/18 | 450,000 | 17305EGA7 | CITIBANK ABS 2017-A2 A2 | 1.74% | 1/19/21 | 451,204.92 | 1.90% | (861.33) |
| 11/1/18 | 11/5/18 | 200,000 | 0258M0EC9 | AMERICAN EXPRESS CREDIT (CALLABLE) CORP | 1.70% | 10/30/19 | 197,373.22 | 3.09% | (2,118.59) |
| 11/2/18 | 11/6/18 | 550,000 | 3135G0P49 | FNMA NOTES | 1.00% | 8/28/19 | 543,685.39 | 2.68% | (7,118.04) |
| 11/2/18 | 11/6/18 | 1,550,000 | 3135G0N33 | FNMA BENCHMARK NOTE | 0.87% | 8/2/19 | 1,533,406.82 | 2.66% | (19,486.65) |
| 11/8/18 | 11/19/18 | 1,150,000 | 3135G0P49 | FNMA NOTES | 1.00% | 8/28/19 | 1,137,442.00 | 2.73% | (14,675.01) |
| 12/6/18 | 12/12/18 | 150,000 | 3135G0P49 | FNMA NOTES | 1.00% | 8/28/19 | 148,639.33 | 2.71% | (1,737.68) |
| 12/7/18 | 12/14/18 | 1,775,000 | 3135G0P49 | FNMA NOTES | 1.00% | 8/28/19 | 1,759,103.89 | 2.71% | (20,461.17) |

CITY OF HAYWARD

Portfolio Activity

| Trade Date | Settle Date | Par (\$) | CUSIP | Security Description | Coupon | Maturity Date | Transact Amt (\$) | Yield at Market | Realized G/L (BV) |
|---------------|----------------|-----------|-------|----------------------|--------|------------------|----------------------|--------------------|----------------------|
| Total SELL | | 6,590,000 | | | | | 6,536,046.42 | | -70,252.70 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|--------------|---------------|-------------------|---------------|----------------|------------------|----------------|---------------------|-------------------|-----------------|
| U.S. Treasury Bond / Note | | | | | | | | | | | |
| US TREASURY NOTES DTD 12/01/2014 1.500% 11/30/2019 | 912828G61 | 5,850,000.00 | AA+ | Aaa | 12/1/2016 | 12/5/2016 | 5,859,140.63 | 1.45 | 7,714.29 | 5,852,834.15 | 5,789,674.80 |
| US TREASURY NOTES DTD 12/31/2014 1.625% 12/31/2019 | 912828G95 | 600,000.00 | AA+ | Aaa | 2/21/2018 | 2/22/2018 | 593,320.31 | 2.24 | 26.93 | 596,375.14 | 594,023.40 |
| US TREASURY NOTES DTD 02/02/2015 1.250% 01/31/2020 | 912828H52 | 4,070,000.00 | AA+ | Aaa | 1/3/2017 | 1/5/2017 | 4,037,567.19 | 1.52 | 21,290.08 | 4,058,411.65 | 4,011,176.29 |
| US TREASURY NOTES DTD 03/02/2015 1.375% 02/29/2020 | 912828J50 | 1,000,000.00 | AA+ | Aaa | 2/1/2017 | 2/3/2017 | 993,945.31 | 1.58 | 4,671.96 | 997,678.78 | 986,016.00 |
| US TREASURY NOTES DTD 03/02/2015 1.375% 02/29/2020 | 912828J50 | 3,500,000.00 | AA+ | Aaa | 8/31/2017 | 9/1/2017 | 3,499,863.28 | 1.38 | 16,351.86 | 3,499,936.13 | 3,451,056.00 |
| US TREASURY NOTES DTD 04/01/2013 1.125% 03/31/2020 | 912828UV0 | 2,915,000.00 | AA+ | Aaa | 3/15/2017 | 3/17/2017 | 2,864,784.57 | 1.71 | 8,378.62 | 2,894,129.01 | 2,864,328.56 |
| US TREASURY NOTES DTD 04/30/2015 1.375% 04/30/2020 | 912828K58 | 4,300,000.00 | AA+ | Aaa | 4/3/2017 | 4/5/2017 | 4,280,683.59 | 1.53 | 10,126.38 | 4,291,534.98 | 4,233,818.70 |
| US TREASURY NOTES DTD 06/01/2015 1.500% 05/31/2020 | 912828XE5 | 2,500,000.00 | AA+ | Aaa | 10/3/2017 | 10/5/2017 | 2,494,238.28 | 1.59 | 3,296.70 | 2,496,912.28 | 2,463,280.00 |
| US TREASURY NOTES DTD 06/30/2015 1.625% 06/30/2020 | 912828XH8 | 7,750,000.00 | AA+ | Aaa | 6/26/2017 | 6/28/2017 | 7,777,851.56 | 1.50 | 347.89 | 7,764,032.38 | 7,645,251.00 |
| US TREASURY NOTES DTD 07/31/2015 1.625% 07/31/2020 | 912828XM7 | 2,750,000.00 | AA+ | Aaa | 7/5/2017 | 7/5/2017 | 2,750,537.11 | 1.62 | 18,700.75 | 2,750,285.59 | 2,711,005.00 |
| US TREASURY NOTES DTD 08/31/2015 1.375% 08/31/2020 | 912828L32 | 1,275,000.00 | AA+ | Aaa | 8/31/2017 | 9/1/2017 | 1,272,559.57 | 1.44 | 5,956.75 | 1,273,635.66 | 1,250,944.58 |
| US TREASURY NOTES DTD 11/30/2015 1.625% 11/30/2020 | 912828M98 | 3,600,000.00 | AA+ | Aaa | 11/1/2017 | 11/3/2017 | 3,584,390.63 | 1.77 | 5,142.86 | 3,590,202.56 | 3,540,657.60 |
| US TREASURY NOTES DTD 11/30/2015 1.625% 11/30/2020 | 912828M98 | 500,000.00 | AA+ | Aaa | 10/31/2017 | 10/31/2017 | 498,125.00 | 1.75 | 714.29 | 498,826.61 | 491,758.00 |
| US TREASURY NOTES DTD 12/31/2015 1.750% 12/31/2020 | 912828N48 | 4,600,000.00 | AA+ | Aaa | 12/1/2017 | 12/5/2017 | 4,578,078.13 | 1.91 | 222.38 | 4,585,611.71 | 4,534,413.20 |
| US TREASURY NOTES DTD 01/31/2016 1.375% 01/31/2021 | 912828N89 | 400,000.00 | AA+ | Aaa | 2/2/2018 | 2/2/2018 | 388,718.75 | 2.36 | 2,301.63 | 392,076.32 | 390,828.00 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|----------------------|---------------|-------------------|---------------|----------------|----------------------|----------------|---------------------|----------------------|----------------------|
| U.S. Treasury Bond / Note | | | | | | | | | | | |
| US TREASURY NOTES DTD 01/31/2016 1.375% 01/31/2021 | 912828N89 | 450,000.00 | AA+ | Aaa | 12/27/2017 | 12/28/2017 | 441,052.73 | 2.04 | 2,589.33 | 443,918.50 | 439,681.50 |
| US TREASURY NOTES DTD 01/31/2016 1.375% 01/31/2021 | 912828N89 | 3,500,000.00 | AA+ | Aaa | 1/2/2018 | 1/4/2018 | 3,430,000.00 | 2.05 | 20,139.27 | 3,452,131.34 | 3,419,745.00 |
| US TREASURY NOTES DTD 02/29/2016 1.125% 02/28/2021 | 912828P87 | 625,000.00 | AA+ | Aaa | 2/7/2018 | 2/8/2018 | 602,319.34 | 2.36 | 2,389.07 | 608,801.96 | 606,958.13 |
| US TREASURY NOTES DTD 02/29/2016 1.125% 02/28/2021 | 912828P87 | 3,100,000.00 | AA+ | Aaa | 2/15/2018 | 2/16/2018 | 2,983,628.91 | 2.42 | 11,849.79 | 3,016,285.21 | 3,010,512.30 |
| US TREASURY NOTES DTD 06/02/2014 2.000% 05/31/2021 | 912828WN6 | 3,225,000.00 | AA+ | Aaa | 6/4/2018 | 6/6/2018 | 3,167,680.66 | 2.62 | 5,670.33 | 3,178,332.32 | 3,189,221.85 |
| US TREASURY NOTES DTD 06/30/2014 2.125% 06/30/2021 | 912828WR7 | 1,500,000.00 | AA+ | Aaa | 7/3/2018 | 7/6/2018 | 1,477,031.25 | 2.66 | 88.05 | 1,480,656.44 | 1,487,578.50 |
| US TREASURY NOTES DTD 08/15/2018 2.750% 08/15/2021 | 9128284W7 | 1,575,000.00 | AA+ | Aaa | 9/5/2018 | 9/7/2018 | 1,576,291.99 | 2.72 | 16,359.88 | 1,576,167.85 | 1,585,643.85 |
| US TREASURY NOTES DTD 08/15/2018 2.750% 08/15/2021 | 9128284W7 | 1,725,000.00 | AA+ | Aaa | 9/26/2018 | 9/28/2018 | 1,717,655.27 | 2.91 | 17,917.97 | 1,718,308.45 | 1,736,657.55 |
| Security Type Sub-Total | | 61,310,000.00 | | | | | 60,869,464.06 | 1.82 | 182,247.06 | 61,017,085.02 | 60,434,229.81 |
| Supra-National Agency Bond / Note | | | | | | | | | | | |
| INTL BANK OF RECON AND DEV GLOBAL NOTES DTD 10/27/2016 1.125% 11/27/2019 | 459058FS7 | 1,225,000.00 | AAA | Aaa | 8/28/2017 | 8/30/2017 | 1,214,550.75 | 1.51 | 1,301.56 | 1,220,740.31 | 1,209,040.70 |
| INTL BANK OF RECONSTRUCTION AND DEV NOTE DTD 09/19/2017 1.561% 09/12/2020 | 45905UP32 | 1,225,000.00 | AAA | Aaa | 9/12/2017 | 9/19/2017 | 1,222,060.00 | 1.64 | 5,789.79 | 1,223,307.94 | 1,202,553.10 |
| INTER-AMERICAN DEVELOPMENT BANK DTD 11/08/2013 2.125% 11/09/2020 | 4581X0CD8 | 1,215,000.00 | AAA | Aaa | 10/2/2017 | 10/10/2017 | 1,226,261.96 | 1.81 | 3,729.38 | 1,221,861.58 | 1,203,660.41 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|--|-----------|---------------------|---------------|-------------------|---------------|----------------|---------------------|----------------|---------------------|---------------------|---------------------|
| Supra-National Agency Bond / Note | | | | | | | | | | | |
| INTERNATIONAL FINANCE CORPORATION NOTE DTD 03/16/2018 2.635% 03/09/2021 | 45950VLQ7 | 1,850,000.00 | AAA | Aaa | 3/9/2018 | 3/16/2018 | 1,848,612.50 | 2.66 | 15,165.89 | 1,848,966.37 | 1,847,903.95 |
| INTER-AMERICAN DEVELOPMENT BANK NOTE DTD 04/19/2018 2.625% 04/19/2021 | 4581X0DB1 | 1,400,000.00 | AAA | Aaa | 4/12/2018 | 4/19/2018 | 1,396,920.00 | 2.70 | 7,350.00 | 1,397,617.45 | 1,401,386.00 |
| INTL BANK OF RECONSTRUCTION AND DEV NOTE DTD 07/25/2018 2.750% 07/23/2021 | 459058GH0 | 1,795,000.00 | AAA | Aaa | 7/18/2018 | 7/25/2018 | 1,790,799.70 | 2.83 | 21,390.42 | 1,791,384.98 | 1,802,300.27 |
| Security Type Sub-Total | | 8,710,000.00 | | | | | 8,699,204.91 | 2.28 | 54,727.04 | 8,703,878.63 | 8,666,844.43 |
| Municipal Bond / Note | | | | | | | | | | | |
| UNIV OF CAL TXBL REV BOND DTD 05/18/2017 1.610% 05/15/2019 | 91412GS71 | 625,000.00 | AA | Aa2 | 5/5/2017 | 5/18/2017 | 625,000.00 | 1.61 | 1,285.76 | 625,000.00 | 622,668.75 |
| CT ST TXBL GO BONDS DTD 08/17/2016 1.300% 08/15/2019 | 20772J3D2 | 1,340,000.00 | A | A1 | 8/3/2016 | 8/17/2016 | 1,342,894.40 | 1.23 | 6,580.89 | 1,340,609.85 | 1,325,474.40 |
| UNIV OF CAL TXBL REV BOND DTD 05/18/2017 1.900% 05/15/2020 | 91412GS89 | 625,000.00 | AA | Aa2 | 5/5/2017 | 5/18/2017 | 625,000.00 | 1.90 | 1,517.36 | 625,000.00 | 617,568.75 |
| CA ST TXBL GO BONDS DTD 04/25/2018 2.800% 04/01/2021 | 13063DGA0 | 1,425,000.00 | AA- | Aa3 | 4/18/2018 | 4/25/2018 | 1,425,057.00 | 2.80 | 9,975.00 | 1,425,031.85 | 1,423,746.00 |
| UNIV OF CAL TXBL REV BONDS DTD 06/05/2018 3.029% 05/15/2021 | 91412HBH5 | 455,000.00 | AA | Aa2 | 5/23/2018 | 6/5/2018 | 455,000.00 | 3.03 | 1,761.03 | 455,000.00 | 458,890.25 |
| Security Type Sub-Total | | 4,470,000.00 | | | | | 4,472,951.40 | 2.06 | 21,120.04 | 4,470,641.70 | 4,448,348.15 |
| Federal Agency Collateralized Mortgage Obligation | | | | | | | | | | | |
| FNMA SERIES 2015-M15 ASQ2 DTD 11/01/2015 1.898% 01/01/2019 | 3136AQSW1 | 12,239.57 | AA+ | Aaa | 11/6/2015 | 11/30/2015 | 12,361.96 | 1.20 | 19.36 | 12,239.57 | 12,214.00 |
| FNMA SERIES 2015-M10 FA DTD 06/01/2015 2.532% 03/01/2019 | 3136ANA98 | 52,047.29 | AA+ | Aaa | 6/12/2015 | 6/30/2015 | 52,032.23 | 0.43 | 145.99 | 52,047.29 | 51,961.37 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|---------------------|---------------|-------------------|---------------|----------------|---------------------|----------------|---------------------|---------------------|---------------------|
| Federal Agency Collateralized Mortgage Obligation | | | | | | | | | | | |
| FNMA SERIES 2016-M9 ASQ2 DTD 06/01/2016 1.785% 06/01/2019 | 3136ASPX8 | 3,802.55 | AA+ | Aaa | 6/9/2016 | 6/30/2016 | 3,840.57 | 1.05 | 5.66 | 3,803.78 | 3,783.58 |
| FANNIE MAE SERIES 2015-M13 ASQ2 DTD 10/01/2015 1.646% 09/01/2019 | 3136AQDQ0 | 75,321.73 | AA+ | Aaa | 10/7/2015 | 10/30/2015 | 76,075.99 | 1.08 | 103.32 | 75,370.70 | 74,865.36 |
| FREDDIE MAC SERIES 4459 NB DTD 04/01/2015 4.500% 01/01/2020 | 3137BHU39 | 4,189.46 | AA+ | Aaa | 6/8/2015 | 6/11/2015 | 4,392.39 | 0.77 | 15.71 | 4,229.63 | 4,184.53 |
| FHMS K006 A2 DTD 04/01/2010 4.251% 01/25/2020 | 31398VJ98 | 1,225,000.00 | AA+ | Aaa | 6/12/2018 | 6/15/2018 | 1,249,882.81 | 1.57 | 4,339.56 | 1,241,529.89 | 1,235,909.61 |
| FNMA SERIES 2015-M12 FA DTD 09/01/2015 2.622% 04/01/2020 | 3136AP3Z3 | 183,982.10 | AA+ | Aaa | 9/10/2015 | 9/30/2015 | 183,915.87 | 0.54 | 402.00 | 183,982.10 | 183,801.21 |
| FHLMC SERIES K013 A1 DTD 05/01/2011 2.902% 08/25/2020 | 3137AA4V2 | 479,303.06 | AA+ | Aaa | 6/23/2017 | 6/28/2017 | 488,421.03 | 1.60 | 1,159.11 | 483,114.49 | 478,787.33 |
| FHMS K714 A2 DTD 01/01/2014 3.034% 10/25/2020 | 3137B6ZM6 | 874,261.87 | AA+ | Aaa | 9/21/2017 | 9/26/2017 | 898,543.14 | 1.15 | 2,210.43 | 888,663.31 | 873,852.45 |
| FNA 2018-M5 A2 DTD 04/01/2018 3.560% 09/25/2021 | 3136B1XP4 | 717,722.36 | AA+ | Aaa | 4/11/2018 | 4/30/2018 | 731,998.58 | 2.27 | 2,129.24 | 729,289.50 | 725,783.75 |
| FHMS KJ23 A1 DTD 12/01/2018 3.174% 03/01/2022 | 3137FKK70 | 1,225,000.00 | AA+ | Aaa | 12/7/2018 | 12/14/2018 | 1,224,990.20 | 3.05 | 3,240.13 | 1,224,990.20 | 1,232,637.14 |
| FHMS K023 A1 DTD 12/01/2012 1.583% 04/25/2022 | 3137AWQG3 | 910,392.71 | AA+ | Aaa | 3/7/2018 | 3/9/2018 | 890,477.88 | 2.59 | 1,200.96 | 893,920.50 | 891,882.51 |
| FHMS K023 A1 DTD 12/01/2012 1.583% 04/25/2022 | 3137AWQG3 | 100,881.35 | AA+ | Aaa | 3/6/2018 | 3/9/2018 | 98,690.33 | 2.58 | 133.08 | 99,068.99 | 98,830.22 |
| FHMS K023 A1 DTD 12/01/2012 1.583% 04/25/2022 | 3137AWQG3 | 442,893.75 | AA+ | Aaa | 7/12/2018 | 7/17/2018 | 431,700.32 | 2.87 | 584.25 | 432,811.55 | 433,888.79 |
| FHMS J22F A1 DTD 11/01/2018 3.454% 05/25/2023 | 3137FJYA1 | 1,252,033.53 | AA+ | Aaa | 11/7/2018 | 11/19/2018 | 1,251,999.73 | 3.28 | 3,603.77 | 1,251,999.73 | 1,270,730.27 |
| FHMS KP05 A DTD 12/01/2018 3.203% 07/01/2023 | 3137FKK39 | 590,000.00 | AA+ | Aaa | 12/7/2018 | 12/17/2018 | 589,998.23 | 3.11 | 1,574.81 | 590,000.00 | 593,503.18 |
| Security Type Sub-Total | | 8,149,071.33 | | | | | 8,189,321.26 | 2.35 | 20,867.38 | 8,167,061.23 | 8,166,615.30 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|----------------------|---------------|-------------------|---------------|----------------|----------------------|----------------|---------------------|----------------------|----------------------|
| Federal Agency Bond / Note | | | | | | | | | | | |
| FNMA NOTES DTD 09/02/2016 1.000% 08/28/2019 | 3135G0P49 | 1,800,000.00 | AA+ | Aaa | 8/31/2016 | 9/2/2016 | 1,797,192.00 | 1.05 | 6,150.00 | 1,799,374.07 | 1,780,819.20 |
| FNMA NOTES DTD 09/02/2016 1.000% 08/28/2019 | 3135G0P49 | 1,300,000.00 | AA+ | Aaa | 10/3/2016 | 10/5/2016 | 1,299,220.00 | 1.02 | 4,441.67 | 1,299,821.30 | 1,286,147.20 |
| FHLB GLOBAL NOTES DTD 09/09/2016 1.000% 09/26/2019 | 3130A9EP2 | 1,575,000.00 | AA+ | Aaa | 10/3/2016 | 10/5/2016 | 1,574,448.75 | 1.01 | 4,156.25 | 1,574,862.35 | 1,555,955.10 |
| FNMA NOTES DTD 02/28/2017 1.500% 02/28/2020 | 3135G0T29 | 1,510,000.00 | AA+ | Aaa | 2/24/2017 | 2/28/2017 | 1,509,033.60 | 1.52 | 7,738.75 | 1,509,621.78 | 1,492,813.18 |
| FHLMC AGENCY NOTES DTD 04/20/2017 1.375% 04/20/2020 | 3137EAEF2 | 1,200,000.00 | AA+ | Aaa | 4/19/2017 | 4/20/2017 | 1,195,896.00 | 1.49 | 3,254.17 | 1,198,195.91 | 1,181,834.40 |
| FEDERAL HOME LOAN BANKS NOTES DTD 05/21/2018 2.625% 05/28/2020 | 3130AECJ7 | 3,250,000.00 | AA+ | Aaa | 6/4/2018 | 6/6/2018 | 3,254,745.00 | 2.55 | 7,820.31 | 3,253,424.46 | 3,254,689.75 |
| FNMA NOTES DTD 08/01/2017 1.500% 07/30/2020 | 3135G0T60 | 3,600,000.00 | AA+ | Aaa | 7/28/2017 | 8/1/2017 | 3,589,092.00 | 1.60 | 22,650.00 | 3,594,183.37 | 3,540,474.00 |
| FANNIE MAE NOTES DTD 06/25/2018 2.750% 06/22/2021 | 3135G0U35 | 1,745,000.00 | AA+ | Aaa | 6/22/2018 | 6/25/2018 | 1,744,598.65 | 2.76 | 1,199.69 | 1,744,663.44 | 1,754,791.20 |
| FREDDIE MAC NOTES (CALLABLE) DTD 08/27/2018 2.900% 08/27/2021 | 3134GSWC5 | 2,450,000.00 | AA+ | Aaa | 8/22/2018 | 8/27/2018 | 2,450,000.00 | 2.90 | 24,472.78 | 2,450,000.00 | 2,449,990.20 |
| FEDERAL HOME LOAN BANKS NOTES (CALLABLE) DTD 09/20/2018 3.000% 09/20/2021 | 3130AEXV7 | 1,825,000.00 | AA+ | Aaa | 9/13/2018 | 9/20/2018 | 1,825,000.00 | 3.00 | 15,360.42 | 1,825,000.00 | 1,829,558.85 |
| FEDERAL HOME LOAN BANKS NOTES DTD 10/12/2018 3.000% 10/12/2021 | 3130AF5B9 | 2,425,000.00 | AA+ | Aaa | 11/2/2018 | 11/6/2018 | 2,423,593.50 | 3.02 | 15,964.58 | 2,423,673.55 | 2,455,933.30 |
| Security Type Sub-Total | | 22,680,000.00 | | | | | 22,662,819.50 | 2.11 | 113,208.62 | 22,672,820.23 | 22,583,006.38 |
| Corporate Note | | | | | | | | | | | |
| AMERICAN EXPRESS CREDIT (CALLABLE) CORP DTD 10/31/2016 1.700% 10/30/2019 | 0258M0EC9 | 400,000.00 | A- | A2 | 1/31/2017 | 2/3/2017 | 396,960.00 | 1.99 | 1,152.22 | 399,063.53 | 395,590.80 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|------------|---------------|-------------------|---------------|----------------|------------------|----------------|---------------------|-------------------|-----------------|
| Corporate Note | | | | | | | | | | | |
| GOLDMAN SACHS GROUP (CALLABLE) INC BONDS DTD 12/13/2016 2.300% 12/13/2019 | 38145GAJ9 | 600,000.00 | BBB+ | A3 | 12/8/2016 | 12/13/2016 | 599,550.00 | 2.33 | 690.00 | 599,854.15 | 593,896.20 |
| IBM CORP NOTES DTD 01/27/2017 1.900% 01/27/2020 | 459200JN2 | 600,000.00 | A | A1 | 1/24/2017 | 1/27/2017 | 599,424.00 | 1.93 | 4,876.67 | 599,790.37 | 593,169.60 |
| APPLE INC BONDS DTD 02/09/2017 1.900% 02/07/2020 | 037833CK4 | 400,000.00 | AA+ | Aa1 | 2/2/2017 | 2/9/2017 | 399,804.00 | 1.92 | 3,040.00 | 399,926.65 | 396,526.80 |
| AMERICAN HONDA FINANCE DTD 02/16/2017 2.000% 02/14/2020 | 02665WBM2 | 280,000.00 | A+ | A2 | 2/13/2017 | 2/16/2017 | 279,602.40 | 2.05 | 2,131.11 | 279,848.51 | 276,735.48 |
| BNY MELLON (CALLABLE) CORP NOTE DTD 02/24/2015 2.150% 02/24/2020 | 06406HCZ0 | 600,000.00 | A | A1 | 4/10/2017 | 4/13/2017 | 603,102.00 | 1.96 | 4,550.83 | 601,211.29 | 594,742.80 |
| JOHN DEERE CAPITAL CORP NOTES DTD 03/15/2017 2.200% 03/13/2020 | 24422ETQ2 | 250,000.00 | A | A2 | 3/10/2017 | 3/15/2017 | 249,805.00 | 2.23 | 1,650.00 | 249,920.28 | 247,693.75 |
| JOHN DEERE CAPITAL CORP NOTES DTD 03/13/2018 2.875% 03/12/2021 | 24422EUD9 | 300,000.00 | A | A2 | 3/8/2018 | 3/13/2018 | 299,796.00 | 2.90 | 2,611.46 | 299,848.67 | 299,194.20 |
| NATIONAL RURAL UTIL COOP DTD 02/26/2018 2.900% 03/15/2021 | 63743HER9 | 250,000.00 | A | A2 | 2/21/2018 | 2/26/2018 | 249,722.50 | 2.94 | 2,134.72 | 249,795.31 | 248,861.75 |
| TOYOTA MOTOR CREDIT CORP NOTES DTD 04/13/2018 2.950% 04/13/2021 | 89236TEU5 | 365,000.00 | AA- | Aa3 | 4/10/2018 | 4/13/2018 | 364,854.00 | 2.96 | 2,332.96 | 364,887.76 | 365,054.75 |
| MORGAN STANLEY CORP NOTES DTD 04/21/2016 2.500% 04/21/2021 | 61746BEA0 | 300,000.00 | BBB+ | A3 | 2/13/2018 | 2/15/2018 | 294,960.00 | 3.06 | 1,458.33 | 296,307.74 | 293,638.80 |
| CHARLES SCHWAB CORP NOTES DTD 05/22/2018 3.250% 05/21/2021 | 808513AW5 | 235,000.00 | A | A2 | 5/17/2018 | 5/22/2018 | 234,992.95 | 3.25 | 848.61 | 234,994.19 | 236,146.80 |
| PACCAR FINANCIAL CORP BONDS DTD 08/09/2018 3.150% 08/09/2021 | 69371RP42 | 295,000.00 | A+ | A1 | 8/6/2018 | 8/9/2018 | 294,908.55 | 3.16 | 3,665.38 | 294,920.00 | 295,648.71 |
| CATERPILLAR FINANCIAL SERVICES CORP CORP DTD 09/07/2018 3.150% 09/07/2021 | 14913Q2N8 | 325,000.00 | A | A3 | 9/4/2018 | 9/7/2018 | 324,749.75 | 3.18 | 3,241.88 | 324,775.14 | 325,856.38 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|---------------------|---------------|-------------------|---------------|----------------|---------------------|----------------|---------------------|---------------------|---------------------|
| Corporate Note | | | | | | | | | | | |
| 3M COMPANY DTD 09/14/2018 3.000% 09/14/2021 | 88579YBA8 | 145,000.00 | AA- | A1 | 9/11/2018 | 9/14/2018 | 144,702.75 | 3.07 | 1,292.92 | 144,731.09 | 146,171.89 |
| BANK OF AMERICA CORP (CALLABLE) DTD 09/18/2017 2.328% 10/01/2021 | 06051GGS2 | 200,000.00 | A- | A3 | 11/27/2017 | 11/29/2017 | 199,026.00 | 2.46 | 1,164.00 | 199,295.49 | 196,096.20 |
| BANK OF AMERICA CORP (CALLABLE) DTD 09/18/2017 2.328% 10/01/2021 | 06051GGS2 | 390,000.00 | A- | A3 | 9/13/2017 | 9/18/2017 | 390,000.00 | 2.33 | 2,269.80 | 390,000.00 | 382,387.59 |
| AMERICAN EXPRESS CREDIT CORP NOTES DTD 11/06/2018 3.700% 11/05/2021 | 025816BY4 | 200,000.00 | BBB+ | A3 | 11/1/2018 | 11/6/2018 | 199,956.00 | 3.71 | 1,130.56 | 199,958.09 | 201,796.80 |
| HOME DEPOT INC DTD 12/06/2018 3.250% 03/01/2022 | 437076BV3 | 175,000.00 | A | A2 | 11/27/2018 | 12/6/2018 | 174,520.50 | 3.34 | 394.97 | 174,528.69 | 176,816.50 |
| JPMORGAN CHASE & CO CORP NOTES DTD 06/18/2018 3.514% 06/18/2022 | 46647PAS5 | 600,000.00 | A- | A2 | 6/11/2018 | 6/18/2018 | 600,000.00 | 3.51 | 761.37 | 600,000.00 | 601,357.80 |
| Security Type Sub-Total | | 6,910,000.00 | | | | | 6,900,436.40 | 2.61 | 41,397.79 | 6,903,656.95 | 6,867,383.60 |
| Certificate of Deposit | | | | | | | | | | | |
| SKANDINAV ENSKILDA BANKEN NY CD DTD 08/04/2017 1.840% 08/02/2019 | 83050FXT3 | 1,200,000.00 | A-1 | P-1 | 8/3/2017 | 8/4/2017 | 1,199,532.00 | 1.85 | 9,322.67 | 1,199,863.07 | 1,193,295.60 |
| MUFG BANK LTD/NY CERT DEPOS DTD 09/27/2017 2.070% 09/25/2019 | 06539RGM3 | 625,000.00 | A-1 | P-1 | 9/25/2017 | 9/27/2017 | 625,000.00 | 2.07 | 3,521.88 | 625,000.00 | 620,639.38 |
| CREDIT SUISSE NEW YORK CERT DEPOS DTD 02/08/2018 2.670% 02/07/2020 | 22549LFR1 | 600,000.00 | A | A1 | 2/7/2018 | 2/8/2018 | 600,000.00 | 2.67 | 14,373.50 | 600,000.00 | 598,973.40 |
| NORDEA BANK AB NY CD DTD 02/22/2018 2.720% 02/20/2020 | 65590ASN7 | 600,000.00 | AA- | Aa3 | 2/20/2018 | 2/22/2018 | 600,000.00 | 2.72 | 5,938.67 | 600,000.00 | 599,635.20 |
| UBS AG STAMFORD CT LT CD DTD 03/06/2018 2.900% 03/02/2020 | 90275DHG8 | 600,000.00 | A+ | Aa2 | 3/2/2018 | 3/6/2018 | 600,000.00 | 2.93 | 5,751.67 | 600,000.00 | 600,339.60 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|---------------------|---------------|-------------------|---------------|----------------|---------------------|----------------|---------------------|---------------------|---------------------|
| Certificate of Deposit | | | | | | | | | | | |
| CANADIAN IMP BK COMM NY FLT CERT DEPOS DTD 04/10/2018 2.814% 04/10/2020 | 13606BVF0 | 600,000.00 | A+ | Aa2 | 4/6/2018 | 4/10/2018 | 600,000.00 | 2.78 | 3,893.05 | 600,000.00 | 601,114.80 |
| CREDIT AGRICOLE CIB NY FLT CERT DEPOS DTD 04/10/2018 2.884% 04/10/2020 | 22532XHT8 | 600,000.00 | A+ | A1 | 4/6/2018 | 4/10/2018 | 600,000.00 | 2.85 | 3,989.88 | 600,000.00 | 600,150.00 |
| BANK OF NOVA SCOTIA HOUSTON CD DTD 06/07/2018 3.080% 06/05/2020 | 06417GU22 | 600,000.00 | A+ | Aa2 | 6/5/2018 | 6/7/2018 | 599,772.00 | 3.10 | 1,334.67 | 599,834.86 | 601,754.40 |
| BANK OF MONTREAL CHICAGO CERT DEPOS DTD 08/03/2018 3.190% 08/03/2020 | 06370REU9 | 600,000.00 | A+ | Aa2 | 8/1/2018 | 8/3/2018 | 600,000.00 | 3.23 | 8,028.17 | 600,000.00 | 599,301.00 |
| SUMITOMO MITSUI BANK NY CERT DEPOS DTD 10/18/2018 3.390% 10/16/2020 | 86565BPC9 | 600,000.00 | A | A1 | 10/16/2018 | 10/18/2018 | 599,184.00 | 3.46 | 4,124.50 | 599,264.55 | 604,138.20 |
| ROYAL BANK OF CANADA NY CD DTD 06/08/2018 3.240% 06/07/2021 | 78012UEE1 | 600,000.00 | AA- | Aa2 | 6/7/2018 | 6/8/2018 | 600,000.00 | 3.24 | 1,296.00 | 600,000.00 | 600,061.20 |
| Security Type Sub-Total | | 7,225,000.00 | | | | | 7,223,488.00 | 2.73 | 61,574.66 | 7,223,962.48 | 7,219,402.78 |
| Asset-Backed Security / Collateralized Mortgage Obligation | | | | | | | | | | | |
| TOYOTA ABS 2017-A A3 DTD 03/15/2017 1.730% 02/15/2021 | 89238MAD0 | 130,357.85 | AAA | Aaa | 3/7/2017 | 3/15/2017 | 130,342.50 | 1.74 | 100.23 | 130,349.35 | 129,428.99 |
| JOHN DEERE ABS 2017-A A3 DTD 03/02/2017 1.780% 04/15/2021 | 47787XAC1 | 105,684.09 | NR | Aaa | 2/22/2017 | 3/2/2017 | 105,669.04 | 1.79 | 83.61 | 105,673.87 | 104,928.97 |
| ALLY ABS 2017-1 A3 DTD 01/31/2017 1.700% 06/15/2021 | 02007PAC7 | 103,854.09 | NR | Aaa | 1/24/2017 | 1/31/2017 | 103,845.01 | 1.70 | 78.47 | 103,849.21 | 103,135.90 |
| GMALT 2018-3 A3 DTD 09/26/2018 3.180% 06/20/2021 | 36256GAD1 | 170,000.00 | AAA | Aaa | 9/18/2018 | 9/26/2018 | 169,986.57 | 3.19 | 165.18 | 169,987.83 | 170,242.96 |
| BMWLT 2018-1 A3 DTD 10/17/2018 3.260% 07/20/2021 | 05586CAC8 | 125,000.00 | AAA | Aaa | 10/10/2018 | 10/17/2018 | 124,982.63 | 3.27 | 124.51 | 124,983.95 | 125,591.09 |

Managed Account Detail of Securities Held

| Security Type/Description Dated Date/Coupon/Maturity | CUSIP | Par | S&P Rating | Moody's Rating | Trade Date | Settle Date | Original Cost | YTM at Cost | Accrued Interest | Amortized Cost | Market Value |
|---|-----------|-------------------------|---------------|-------------------|---------------|----------------|-------------------------|----------------|---------------------|-------------------------|-------------------------|
| Asset-Backed Security / Collateralized Mortgage Obligation | | | | | | | | | | | |
| HONDA ABS 2017-1 A3 DTD 03/28/2017 1.720% 07/21/2021 | 43814TAC6 | 225,931.50 | NR | Aaa | 3/21/2017 | 3/28/2017 | 225,918.06 | 1.72 | 107.95 | 225,921.47 | 223,989.03 |
| HYUNDAI ABS 2017-A A3 DTD 03/29/2017 1.760% 08/15/2021 | 44931PAD8 | 260,000.00 | AAA | NR | 3/22/2017 | 3/29/2017 | 259,978.97 | 1.76 | 203.38 | 259,980.82 | 257,433.38 |
| ALLY ABS 2017-2 A3 DTD 03/29/2017 1.780% 08/15/2021 | 02007HAC5 | 419,709.29 | NR | Aaa | 3/21/2017 | 3/29/2017 | 419,659.81 | 1.79 | 332.04 | 419,680.67 | 416,527.31 |
| NISSAN ABS 2017-A A3 DTD 03/28/2017 1.740% 08/15/2021 | 654747AD6 | 315,000.00 | NR | Aaa | 3/21/2017 | 3/28/2017 | 314,966.64 | 1.74 | 243.60 | 314,977.10 | 312,069.49 |
| NISSAN AUTO LEASE TRUST DTD 10/24/2018 3.250% 09/15/2021 | 65478BAD3 | 225,000.00 | AAA | Aaa | 10/16/2018 | 10/24/2018 | 224,980.34 | 3.26 | 325.00 | 224,981.56 | 225,266.92 |
| FORDL 2018-B A3 DTD 09/21/2018 3.190% 12/15/2021 | 34531LAD2 | 230,000.00 | NR | Aaa | 9/18/2018 | 9/21/2018 | 229,980.57 | 3.41 | 326.09 | 229,982.20 | 230,950.98 |
| HART 2018-B A3 DTD 12/12/2018 3.200% 12/15/2022 | 44933AAC1 | 150,000.00 | AAA | Aaa | 12/4/2018 | 12/12/2018 | 149,998.20 | 3.48 | 253.33 | 149,998.25 | 150,848.40 |
| FORD CREDIT AUTO OWNER TRUST DTD 10/23/2018 3.240% 04/15/2023 | 34532TAD4 | 200,000.00 | NR | Aaa | 10/16/2018 | 10/23/2018 | 199,965.80 | 3.34 | 288.00 | 199,967.17 | 201,046.36 |
| NAROT 2018-C A3 DTD 12/12/2018 3.220% 06/15/2023 | 65478NAD7 | 200,000.00 | AAA | Aaa | 12/4/2018 | 12/12/2018 | 199,961.68 | 3.53 | 339.89 | 199,962.18 | 201,439.38 |
| CARMAX AUTO OWNER TRUST DTD 07/25/2018 3.130% 06/15/2023 | 14313FAD1 | 285,000.00 | AAA | NR | 7/18/2018 | 7/25/2018 | 284,961.15 | 3.36 | 396.47 | 284,964.47 | 286,089.50 |
| CARMAX AUTO OWNER TRUST DTD 10/24/2018 3.360% 09/15/2023 | 14315EAC4 | 225,000.00 | AAA | NR | 10/17/2018 | 10/24/2018 | 224,997.93 | 3.36 | 336.00 | 224,998.18 | 226,541.18 |
| Security Type Sub-Total | | 3,370,536.82 | | | | | 3,370,194.90 | 2.62 | 3,703.75 | 3,370,258.28 | 3,365,529.84 |
| Managed Account Sub Total | | 122,824,608.15 | | | | | 122,387,880.43 | 2.07 | 498,846.34 | 122,529,364.52 | 121,751,360.29 |
| Securities Sub-Total | | \$122,824,608.15 | | | | | \$122,387,880.43 | 2.07% | \$498,846.34 | \$122,529,364.52 | \$121,751,360.29 |
| Accrued Interest | | | | | | | | | | | \$498,846.34 |
| Total Investments | | | | | | | | | | | \$122,250,206.63 |

Bolted items are forward settling trades

IMPORTANT DISCLOSURES

This material is based on information obtained from sources generally believed to be reliable and available to the public; however, PFM Asset Management LLC cannot guarantee its accuracy, completeness or suitability. This material is for general information purposes only and is not intended to provide specific advice or a specific recommendation. All statements as to what will or may happen under certain circumstances are based on assumptions, some, but not all of which, are noted in the presentation. Assumptions may or may not be proven correct as actual events occur, and results may depend on events outside of your or our control. Changes in assumptions may have a material effect on results. Past performance does not necessarily reflect and is not a guaranty of future results. The information contained in this presentation is not an offer to purchase or sell any securities.

- Market values that include accrued interest are derived from closing bid prices as of the last business day of the month as supplied by Interactive Data, Bloomberg, or Telerate. Where prices are not available from generally recognized sources, the securities are priced using a yield based matrix system to arrive at estimated market value.
- In accordance with generally accepted accounting principles, information is presented on a trade date basis; forward settling purchases are included in the monthly balances, and forward settling sales are excluded.
- Performance is presented in accordance with the CFA Institute's Global Investment Performance Standards (GIPS). Unless otherwise noted, performance is shown gross of fees. Quarterly returns are presented on an unannualized basis. Returns for periods greater than one year are presented on an annualized basis. Past performance is not indicative of future returns.
- Bank of America/Merrill Lynch Indices provided by Bloomberg Financial Markets.
- Money market fund/cash balances are included in performance and duration computations.
- Standard & Poor's is the source of the credit ratings. Distribution of credit rating is exclusive of money market fund/LGIP holdings.
- Callable securities in the portfolio are included in the maturity distribution analysis to their stated maturity date, although, they may be called prior to maturity.
- MBS maturities are represented by expected average life.

GLOSSARY

- **ACCRUED INTEREST:** Interest that is due on a bond or other fixed-income security since the last interest payment was made.
- **AGENCIES:** Federal agency securities and/or Government-sponsored enterprises.
- **AMORTIZED COST:** The original cost of the principal of the security is adjusted for the amount of the periodic reduction of any discount or premium from the purchase date until the date of the report. Discount or premium with respect to short-term securities (those with less than one year to maturity at time of issuance) is amortized on a straight-line basis. Such discount or premium with respect to longer-term securities is amortized using the constant yield basis.
- **BANKERS' ACCEPTANCE:** A draft or bill of exchange accepted by a bank or trust company. The accepting institution guarantees payment of the bill as well as the insurer.
- **COMMERCIAL PAPER:** An unsecured obligation issued by a corporation or bank to finance its short-term credit needs, such as accounts receivable and inventory.
- **CONTRIBUTION TO DURATION:** Represents each sector or maturity range's relative contribution to the overall duration of the portfolio measured as a percentage weighting. Since duration is a key measure of interest rate sensitivity, the contribution to duration measures the relative amount or contribution of that sector or maturity range to the total rate sensitivity of the portfolio.
- **DURATION TO WORST:** A measure of the sensitivity of a security's price to a change in interest rates, stated in years, computed from cash flows to the maturity date or to the put date, whichever results in the highest yield to the investor.
- **EFFECTIVE DURATION:** A measure of the sensitivity of a security's price to a change in interest rates, stated in years.
- **EFFECTIVE YIELD:** The total yield an investor receives in relation to the nominal yield or coupon of a bond. Effective yield takes into account the power of compounding on investment returns, while nominal yield does not.
- **FDIC:** Federal Deposit Insurance Corporation. A federal agency that insures bank deposits to a specified amount.
- **INTEREST RATE:** Interest per year divided by principal amount and expressed as a percentage.
- **MARKET VALUE:** The value that would be received or paid for an investment in an orderly transaction between market participants at the measurement date.
- **MATURITY:** The date upon which the principal or stated value of an investment becomes due and payable.
- **NEGOTIABLE CERTIFICATES OF DEPOSIT:** A CD with a very large denomination, usually \$1 million or more, that can be traded in secondary markets.
- **PAR VALUE:** The nominal dollar face amount of a security.

GLOSSARY

- **PASS-THROUGH SECURITY:** A security representing pooled debt obligations that passes income from debtors to its shareholders. The most common type is the mortgage-backed security.
- **REPURCHASE AGREEMENTS:** A holder of securities sells these securities to an investor with an agreement to repurchase them at a fixed price on a fixed date.
- **SETTLE DATE:** The date on which the transaction is settled and monies/securities are exchanged. If the settle date of the transaction (i.e., coupon payments and maturity proceeds) occurs on a non-business day, the funds are exchanged on the next business day.
- **TRADE DATE:** The date on which the transaction occurred; however, the final consummation of the security transaction and payment has not yet taken place.
- **UNSETTLED TRADE:** A trade which has been executed; however, the final consummation of the security transaction and payment has not yet taken place.
- **U.S. TREASURY:** The department of the U.S. government that issues Treasury securities.
- **YIELD:** The rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.
- **YTM AT COST:** The yield to maturity at cost is the expected rate of return based on the original cost, the annual interest receipts, maturity value, and the time period from purchase date to maturity, stated as a percentage on an annualized basis.
- **YTM AT MARKET:** The yield to maturity at market is the rate of return based on the current market value, the annual interest receipts, maturity value, and the time period remaining until maturity, stated as a percentage on an annualized basis.



CALIFORNIA STATE TREASURER FIONA MA, CPA



PMIA Performance Report

| Date | Daily Yield* | Quarter to Date Yield | Average Maturity (in days) |
|----------|--------------|-----------------------|----------------------------|
| 12/31/18 | 2.32 | 2.21 | 192 |
| 01/01/19 | 2.32 | 2.32 | 192 |
| 01/02/19 | 2.32 | 2.32 | 196 |
| 01/03/19 | 2.33 | 2.33 | 195 |
| 01/04/19 | 2.34 | 2.33 | 194 |
| 01/05/19 | 2.34 | 2.33 | 194 |
| 01/06/19 | 2.34 | 2.33 | 194 |
| 01/07/19 | 2.34 | 2.33 | 192 |
| 01/08/19 | 2.34 | 2.33 | 190 |
| 01/09/19 | 2.34 | 2.33 | 191 |
| 01/10/19 | 2.34 | 2.34 | 189 |
| 01/11/19 | 2.34 | 2.34 | 188 |
| 01/12/19 | 2.34 | 2.34 | 188 |
| 01/13/19 | 2.34 | 2.34 | 188 |
| 01/14/19 | 2.35 | 2.34 | 185 |
| 01/15/19 | 2.36 | 2.34 | 187 |
| 01/16/19 | 2.36 | 2.34 | 188 |
| 01/17/19 | 2.36 | 2.34 | 189 |
| 01/18/19 | 2.37 | 2.34 | 190 |
| 01/19/19 | 2.37 | 2.35 | 190 |
| 01/20/19 | 2.37 | 2.35 | 190 |
| 01/21/19 | 2.37 | 2.35 | 190 |
| 01/22/19 | 2.37 | 2.35 | 188 |
| 01/23/19 | 2.37 | 2.35 | 187 |
| 01/24/19 | 2.37 | 2.35 | 188 |
| 01/25/19 | 2.38 | 2.35 | 188 |
| 01/26/19 | 2.38 | 2.35 | 188 |
| 01/27/19 | 2.38 | 2.35 | 188 |
| 01/28/19 | 2.38 | 2.35 | 185 |
| 01/29/19 | 2.38 | 2.35 | 187 |
| 01/30/19 | 2.38 | 2.35 | 186 |

*Daily yield does not reflect capital gains or losses

[View Prior Month Daily Rates](#)

LAIF Performance Report

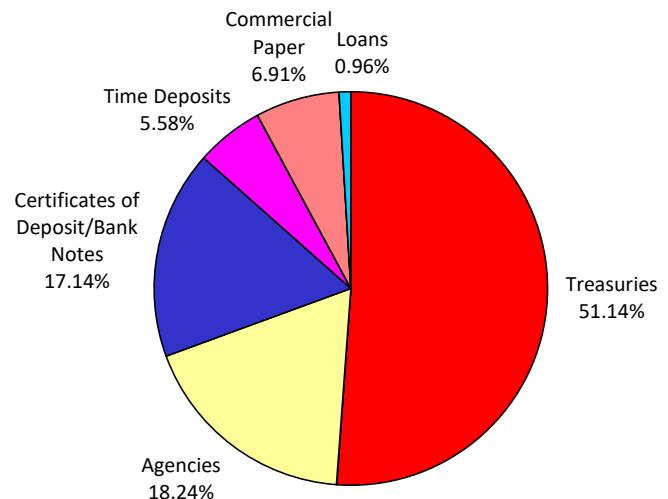
Quarter Ending 12/31/18

Apportionment Rate: 2.40
 Earnings Ratio: 0.00006573663340150
 Fair Value Factor: 0.999051127
 Daily: 2.32%
 Quarter to Date: 2.21%
 Average Life: 192

PMIA Average Monthly Effective Yields

Dec 2018 2.291
 Nov 2018 2.208
 Oct 2018 2.144

Pooled Money Investment Account Portfolio Composition 12/31/18 \$83.3 billion



Percentages may not total 100%, due to rounding.

Based on data available as of 1/30/2019