



# Investment Program Update

## City of Maricopa

**Paulina Woo, Director**

**February 21, 2017**

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PFM Asset  
Management LLC

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## Overview of PFM Asset Management LLC

- ◆ Independent investment advisor
- ◆ Registered with the SEC
- ◆ Public sector focus
- ◆ 40+ years of asset management experience
- ◆ 221 investment professionals\*
- ◆ \$71 billion of assets under management\*
- ◆ \$3 billion of assets for Arizona public\* agencies

### Representative List of PFM's Arizona City & Town Clients

|                 |            |
|-----------------|------------|
| Chandler        | Mesa       |
| Casa Grande     | Scottsdale |
| Gilbert         | Surprise   |
| Goodyear        | Tempe      |
| Flagstaff       | Tucson     |
| Avondale        | Buckeye    |
| Paradise Valley | Marana     |

\*As of December 31, 2016



## Investment Program Achievements

◆ Managed portfolio to the City's objectives of:

- **Safety**
- **Liquidity**
- **Yield**

◆ Maintained a high-quality, diversified portfolio.

◆ Monitored City's cash flow requirements.

◆ Aided in updating City's Investment Policy.

◆ Produced competitive returns in low interest rate environment.

◆ Monitored and managed portfolio holdings and credit exposure on a daily basis.

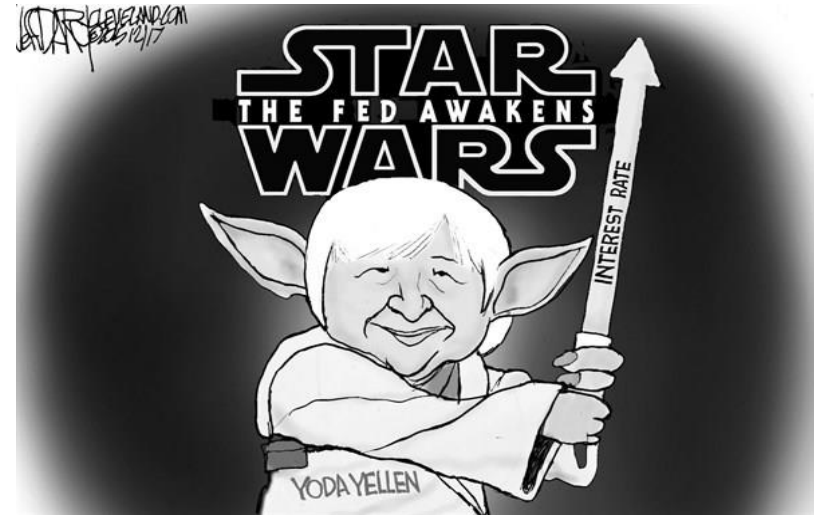
◆ Acted as a general financial and investment resource.



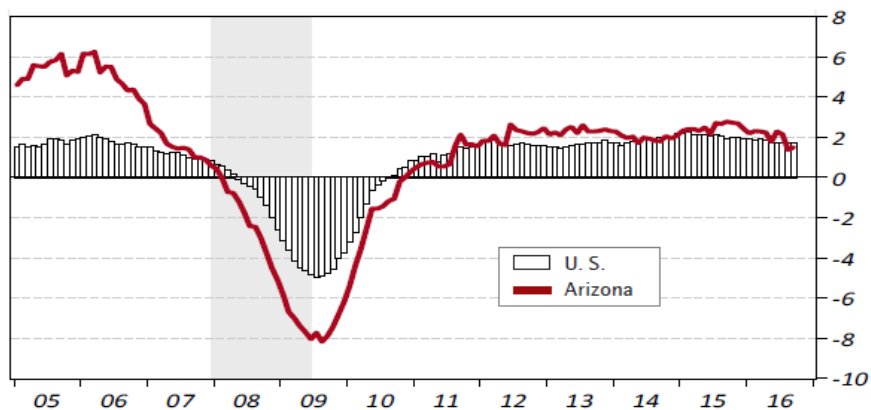


## Economic and Interest Rate Outlook

- General economic conditions characterized by:
  - Moderate GDP growth in 2016
  - Labor and housing markets continuing to strengthen
  - Inflation picking up slowly
- Federal Reserve increased its target rate to 0.50%-0.75% at its December 2016 meeting
- Interest rates have trended upward since the election

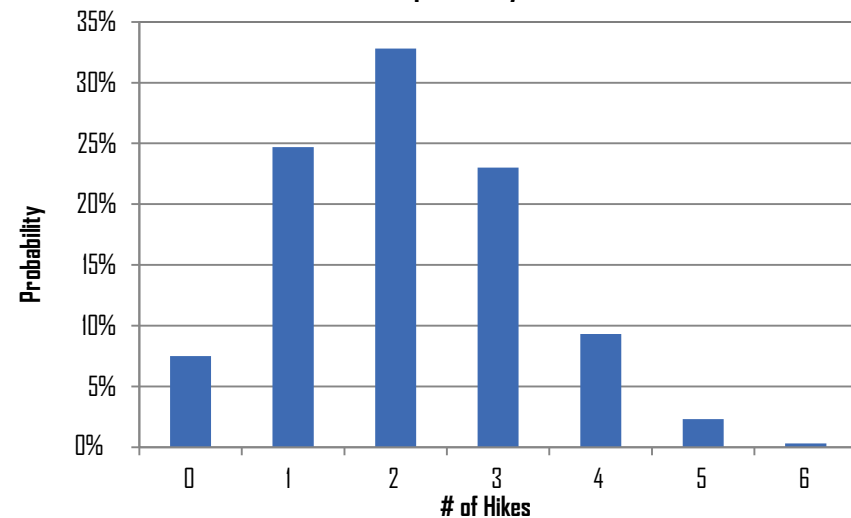


Year-Over-Year Job Growth (%)  
Arizona and U.S.



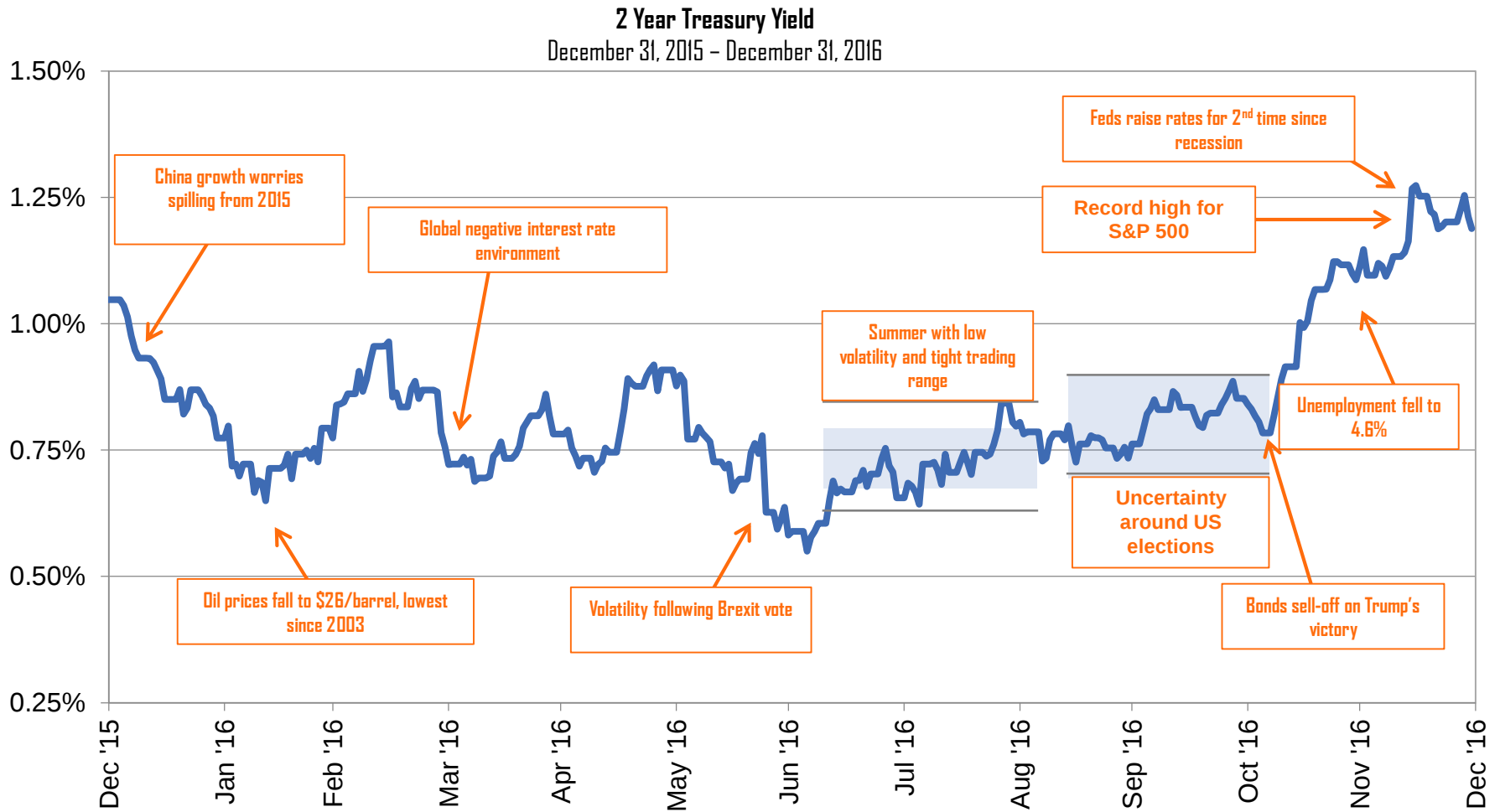
Source: Arizona's Economic and Business Research Center and Bloomberg

Number of Rate Hikes Expected By Dec 2017





## Upward Trajectory of Interest Rates



Source: Bloomberg

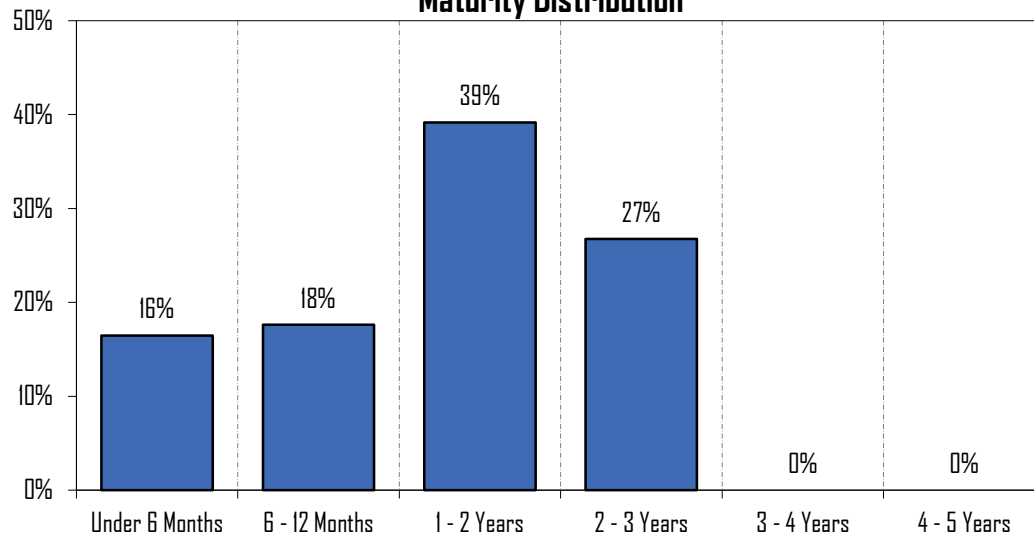


## Overview of City's Current Managed Portfolio

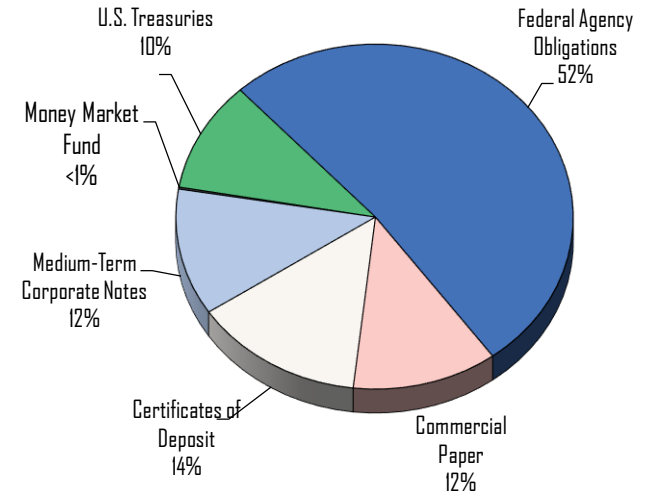
### PFM-Managed Portfolio Characteristics as of December 31, 2016

- Market Value: \$65,957,670
- Average Credit Quality: AA
- Yield at Cost: 1.09%
- Average Maturity: 1.39 years

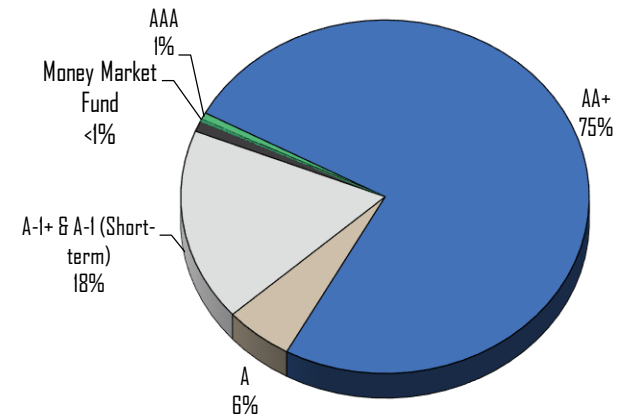
### Maturity Distribution



### Sector Allocation



### Credit Quality Distribution

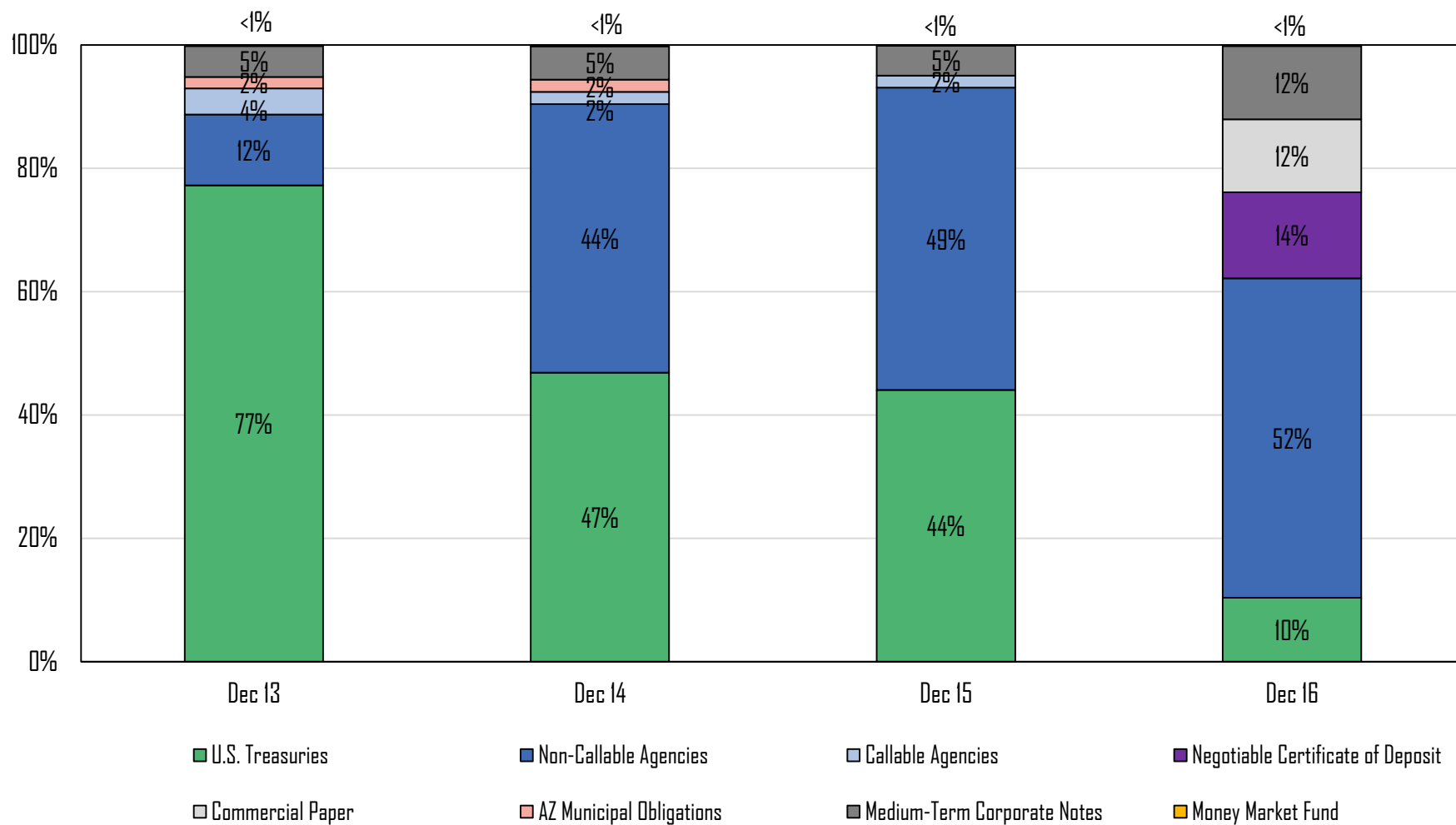


Ratings by Standard and Poor's. Includes only funds managed by PFM and excludes City's holding in the State LGIP or checking accounts.



## Strategic Portfolio Sector Allocation and Diversification

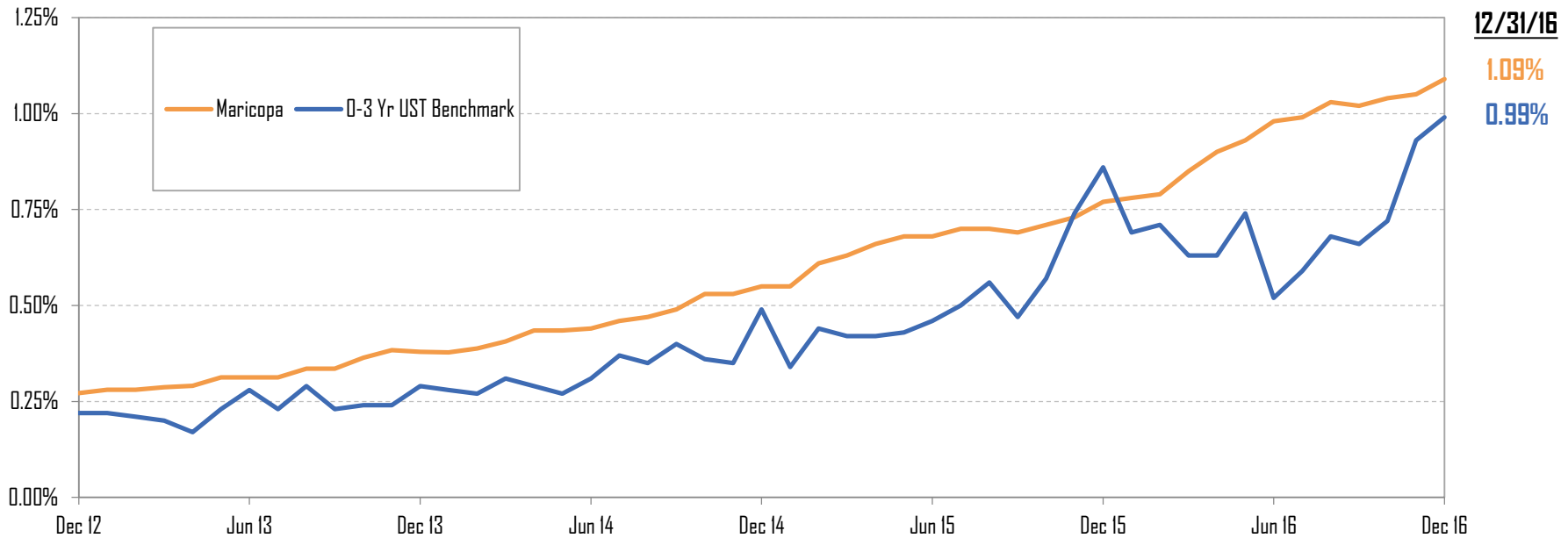
December 2013 – December 2016





## Impact of Active Management Portfolio

### Yield Comparisons December 2012 – December 2016



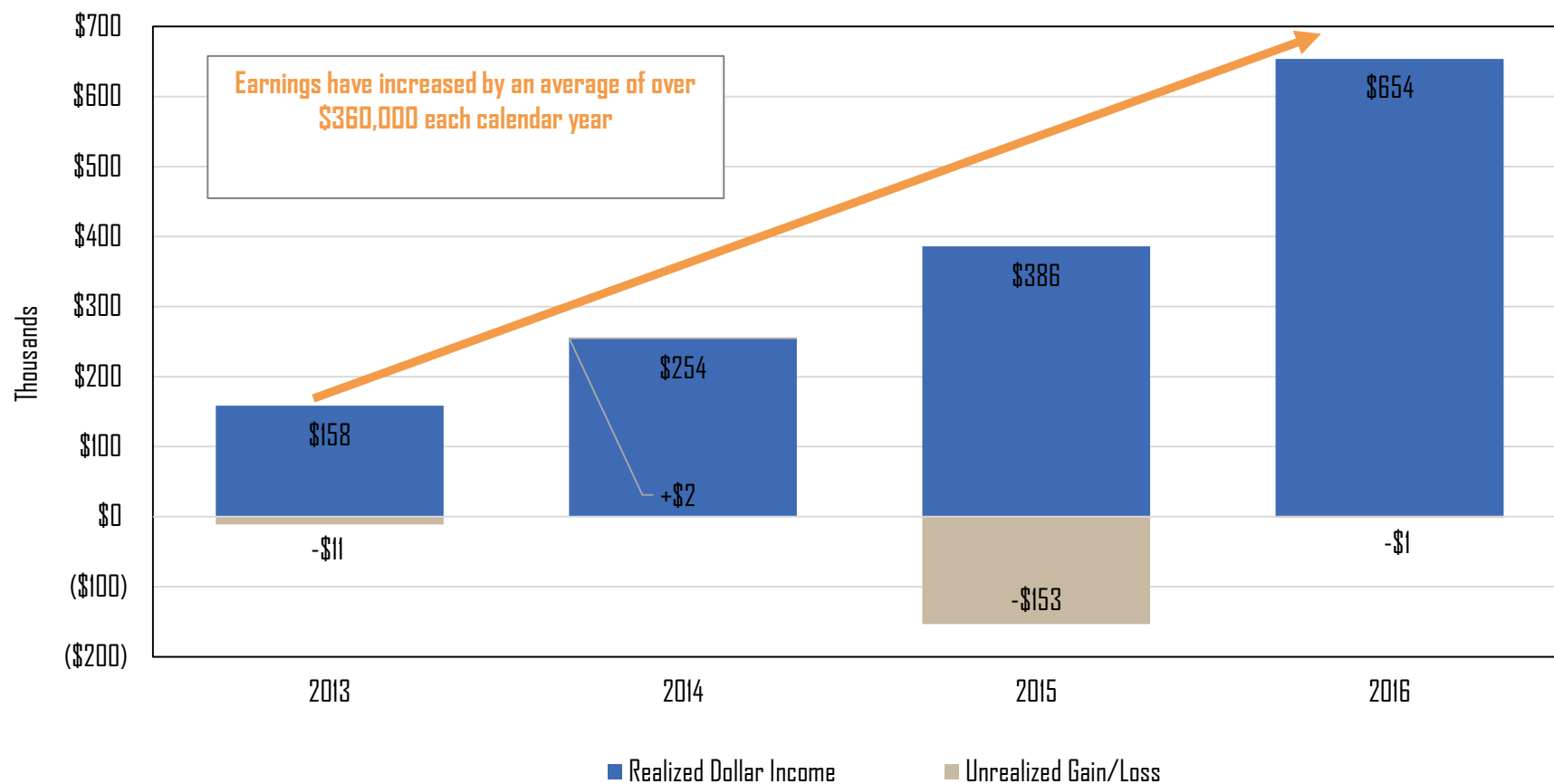
| Average Yield (Gross) | Estimated Earnings (Gross) | Estimated Earnings (Net) |
|-----------------------|----------------------------|--------------------------|
| 0.60%                 | \$1,574,202                | \$1,310,192              |
| 0.44%                 | \$1,174,581                | \$910,570                |

Sources/Notes: Earnings based on an \$65,957,670 portfolio and assumes no withdrawals or deposits. Cumulative estimated earnings are based on average yields. Fee used for calculating the benchmark net earnings is the City's management fee schedule.



## Portfolio Earnings Continue to Increase

Annual Earnings  
Net of Portfolio Management Fees

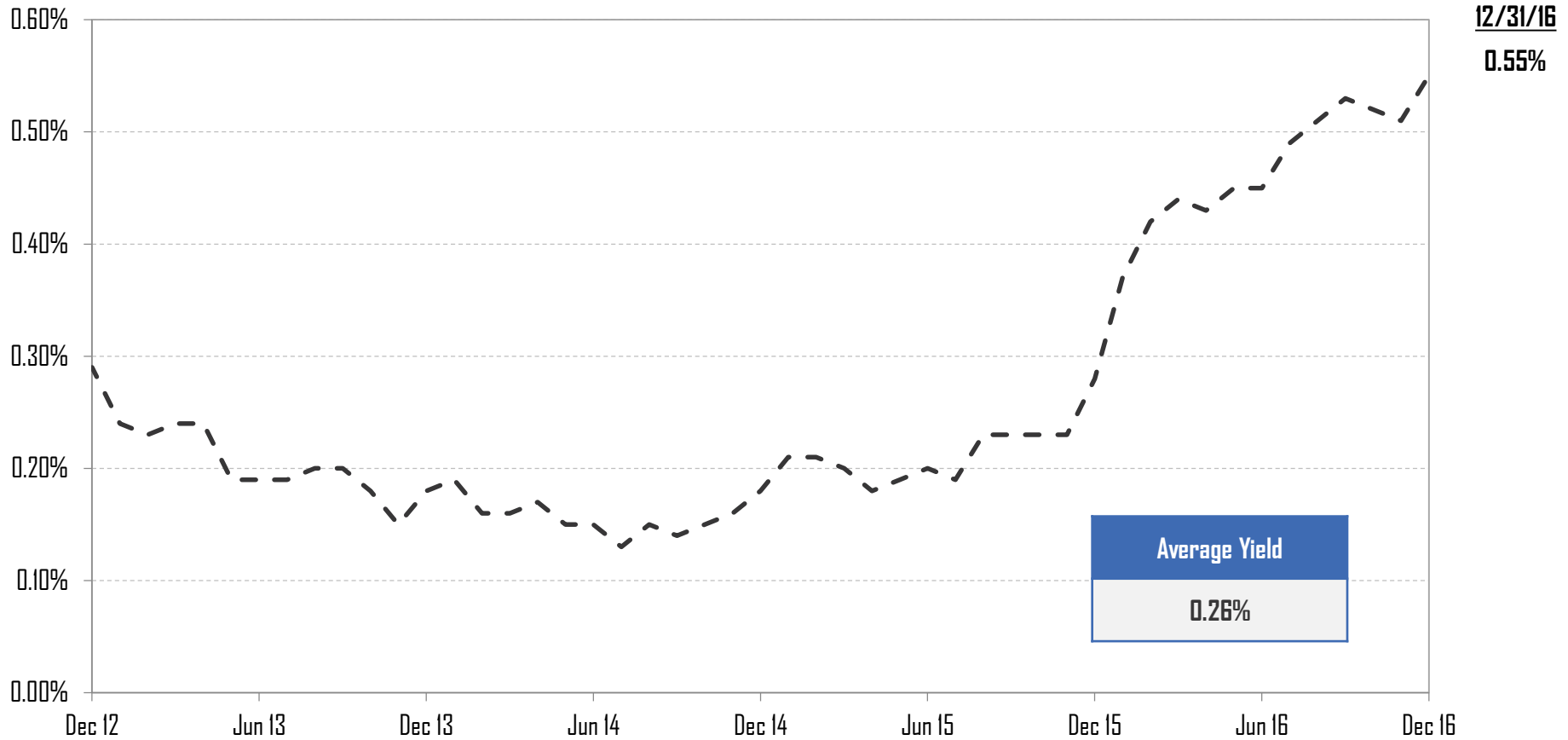


As of December 31, 2016



## Liquid Funds

**AZ LGIP 5**  
November 2012 – December 2016



Source: Arizona State Treasurer



## Portfolio Strategy

### Interest rates

- Yields have trended higher and remain volatile
- 2-3 rate hikes by the Fed expected in 2017

### Sector value

- Yield difference between Treasuries and Agencies has been narrow, increasing relative value of Treasuries
- High quality corporates and short-term credit instruments offer attractive yields

### Portfolio strategy:

- Focus on safety of the City's principal
- Maintain portfolio diversification
- Prudently add credit instruments in form of commercial paper and corporate notes
- Carefully position the portfolio in anticipation of future interest rate increases



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