

# CITY OF ST. LOUIS - QUARTERLY REPORT - COMBINED

# Investment Performance Review For the Quarter Ended March 31, 2018

Client Management Team PFM Asset Management LLC

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#### SUMMARY

- The first quarter was characterized by a spike in volatility associated with an equity market correction, talks of tariffs and trade wars, a modest uptick in inflation, and a panoply of geopolitical concerns. Despite healthy fundamentals and a robust global economic backdrop, "risk-off" sentiment began to take hold of the financial markets. For the first time in nearly 10 years, both the stock market and bond market posted losses for the quarter.
- During the quarter, President Trump signed a \$1.3 trillion omnibus spending bill
  which averted a government shutdown, significantly increased military spending,
  and increased funding in a variety of discretionary areas, including background
  checks for gun purchases, election security, infrastructure, the opioid crisis, child
  care, low-income housing, the National Park Service, veterans' hospitals, pay raises
  for the troops, school safety, and border security. As a result, the Congressional
  Budget Office (CBO) now estimates that the federal budget deficit will exceed
  \$1 trillion per year by 2020.
- Under new Federal Reserve (Fed) chair Jay Powell, the Federal Open Market Committee (FOMC) raised the short-term federal funds target rate 0.25% to a new range of 1.50 to 1.75% at its March meeting. While widely anticipated, the March rate hike indicates the Fed remains committed to its well-defined and welltelegraphed path of monetary policy tightening. Expectations point to two or three more rate hikes over the balance of 2018, with additional hikes likely in 2019 and 2020 as well.
- Bond yields continued their ascent over the quarter, with the two-year Treasury reaching a near-decade high. Meanwhile, the S&P 500 index dipped into negative territory for the quarter – the first negative quarter for the headline index since the third quarter of 2015. International indices also posted declines for the quarter, but a weaker U.S. dollar helped temper those relative losses.

#### **ECONOMIC SNAPSHOT**

- Economic data continues to support growth and optimism (both business and consumer) as a myriad of indicators reached or remained at multi-year bests during the quarter, including the unemployment rate, consumer confidence, productivity, and manufacturing.
- The U.S. economy posted solid results last year, as the Gross Domestic Product (GDP) for the fourth quarter was revised up to show a real growth rate of 2.9%, after back-to-back readings in excess of 3.0% the prior two quarters. In the midst of eight straight years of domestic economic expansion, global growth is now in synchrony, with nearly every advanced economy around the globe, including the Eurozone, Japan, and China, showing positive growth rates.
- The U.S. labor market remained strong as the unemployment rate hovered at a 17-year low of 4.1%. The economy also posted positive net job gains for consecutive months dating back to the fourth quarter of 2010. Meanwhile, wages are beginning to gain some traction, as average hourly earnings – an important measure of wage growth – increased 2.7% over the past year.

#### INTEREST RATES

- U.S. Treasury yields rose across the yield curve, as the yield on the 2-year increased 38 basis points (bps) from 1.88 to 2.26%, while the yield on a 10-year increased 33 bps from 2.40 to 2.73%. Although the yield curve initially steepened early in the quarter, as longer-term rates moved up in response to a modest uptick in inflation expectations, the flattening trend ultimately resumed, retreating to post-recession tights by guarter-end.
- Money market investors have reaped the benefits of the Fed's rate increases, as
  yields on securities with maturities less than one year continued to reflect rising
  short-term rates. In addition, a huge surge in the supply of U.S. Treasury bills
  pushed shorter-term yields higher still.
- After years of tightening yield spreads, the spike in market volatility caused spreads on corporates and other non-government sectors to widen sharply.

#### SECTOR PERFORMANCE

- The continued federal fund rate hikes resulted in negative returns for most bond indices, with longer maturities performing worst. Although higher yields provide greater income over time, that income was not sufficient to offset the adverse impact of increasing interest rates on fixed income prices.
- Although Federal Agency returns were also negative, they generated returns slightly
  more positive than similar duration Treasuries, as their modest incremental income
  was a slight benefit.
- The municipal sector provided some reprieve for fixed income investors during the quarter, as returns were positive and outperformed most other investment-grade (IG) alternatives. The large decline in new issuance in the first quarter, caused by tax changes enacted in the fourth quarter, created a supply/demand imbalance that benefited the sector.
- IG corporate yield spreads ended the quarter wider, resulting in the sector being
  one of the worst performing fixed-income sectors in the first quarter. Despite the
  poor quarter, trailing returns over longer time periods remain strong, and the
  underlying strength of corporate fundamentals remains intact.
- The mortgage-backed securities (MBS) sector struggled to find footing during the quarter as low yield spreads, upcoming seasonal supply, and Fed balance sheet unwinding continued to weigh on investor demand. As a result, the sector generated a negative excess return for the quarter.
- Short-term commercial paper (CP) and bank Certificates of Deposits (CDs) offered even greater incremental value in the first quarter as short-term yields rose in response to the burgeoning Treasury supply, and credit spreads widened. The incremental yield advantage offered in these sectors continues to be a valuable return attribute in the face of rising rates.

# **Economic Snapshot**

Labor Market		Latest	Dec '17	Mar '17	
Unemployment Rate	Mar '18	4.1%	4.1%	4.5%	Unemployment Rate (left) vs. Change in Nonfarm Payrolls (right)  Change In Non-Farm Payrolls  Unemployment Rate
Change In Non-Farm Payrolls	Mar '18	103,000	175,000	73,000	6% — 450K
Average Hourly Earnings (YoY)	Mar '18	2.7%	2.7%	2.6%	300K
Personal Income (YoY)	Feb '18	3.7%	4.3%	3.4%	150K
Initial Jobless Claims (week)	4/7/18	233,000	248,000	241,000	Mar '15 Sep '15 Mar '16 Sep '16 Mar '17 Sep '17 Mar '18
Growth					
Real GDP (QoQ SAAR)	2017 Q4	2.9%	3.2% <sup>1</sup>	1.8% 2	Real GDP (QoQ)
GDP Personal Consumption (QoQ SAAR)	2018 Q4	4.0%	2.2%	2.9% 2	1
Retail Sales (YoY)	Mar '18	4.5%	5.1%	4.9%	2%
ISM Manufacturing Survey (month)	Mar '18	59.3	59.3	56.6	
Existing Home Sales SAAR (month)	Feb '18	5.54 mil.	5.56 mil.	5.67 mil.	Dec '14 Jun '15 Dec '15 Jun '16 Dec '16 Jun '17 Dec '17
Inflation / Prices					
Personal Consumption Expenditures (YoY)	Feb '18	1.8%	1.7%	1.8%	Consumer Price Index ——CPI (YoY) ——Core CPI (YoY)
Consumer Price Index (YoY)	Mar '18	2.4%	2.1%	2.4%	3% 2%
Consumer Price Index Core (YoY)	Mar '18	2.1%	1.8%	2.0%	1%
Crude Oil Futures (WTI, per barrel)	Mar 31	\$64.94	\$60.42	\$50.60	-1%
Gold Futures (oz.)	Mar 31	\$1,323	\$1,309	\$1,247	Mar '15 Sep '15 Mar '16 Sep '16 Mar '17 Sep '17 Mar '18

<sup>1.</sup> Data as of Third Quarter 2017.

Note: YoY = year-over-year, QoQ = quarter over quarter, SAAR = seasonally adjusted annual rate, WTI = West Texas Intermediate crude oil. Source: Bloomberg.

<sup>2.</sup> Data as of Fourth Quarter 2016.

#### **Interest Rate Overview**

**U.S. Treasury Note Yields** 

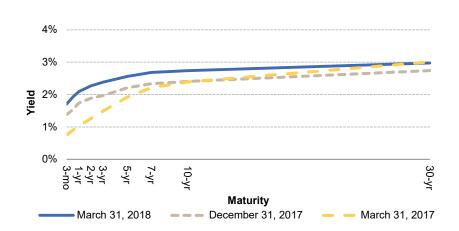


U.S. Treasury Yields

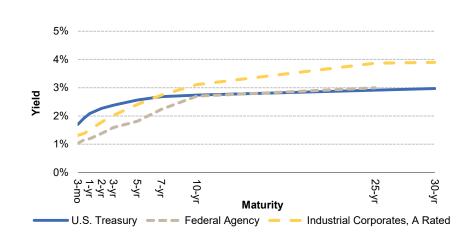
Maturity	Mar '18	Dec '17	Change over Quarter	Mar '17	Change over Year
3-month	1.71%	1.38%	0.33%	0.75%	0.96%
1-year	2.09%	1.74%	0.35%	1.02%	1.07%
2-year	2.27%	1.89%	0.38%	1.26%	1.01%
5-year	2.56%	2.21%	0.35%	1.92%	0.64%
10-year	2.74%	2.41%	0.33%	2.39%	0.35%
30-year	2.97%	2.74%	0.23%	3.01%	(0.04%)

Source: Bloomberg.

**U.S. Treasury Yield Curve** 



#### Yield Curves as of 3/31/18



# **ICE BofAML Index Returns**

As of 3/31/18

Returns for Periods ended 3/31/18

March 31, 2018	Duration	Yield	3-Month	1-Year	3-Years				
1-3 Year Indices									
U.S. Treasury	1.80	2.27%	(0.13%)	0.03%	0.40%				
Federal Agency	1.74	2.31%	(0.02%)	0.32%	0.58%				
U.S. Corporates, A-AAA rated	1.81	2.90%	(0.41%)	0.65%	1.15%				
Agency MBS (0 to 3 years)	2.38	2.57%	0.01%	0.99%	1.05%				
Taxable Municipals	1.49	2.76%	0.25%	1.69%	1.83%				
1-5 Year Indices									
U.S. Treasury	2.59	2.36%	(0.38%)	(0.10%)	0.47%				
Federal Agency	2.10	2.36%	(0.18%)	0.26%	0.65%				
U.S. Corporates, A-AAA rated	2.61	3.04%	(0.80%)	0.62%	1.31%				
Agency MBS (0 to 5 years)	3.27	2.75%	(0.61%)	0.52%	0.92%				
Taxable Municipals	2.23	2.84%	0.13%	1.62%	1.99%				
<b>Master Indices (Maturities 1</b>	Year or Grea	ter)							
U.S. Treasury	6.24	2.55%	(1.21%)	0.51%	0.47%				
Federal Agency	3.86	2.53%	(0.53%)	0.85%	0.94%				
U.S. Corporates, A-AAA rated	6.97	3.50%	(2.31%)	2.11%	1.96%				
Agency MBS (0 to 30 years)	5.03	3.26%	(1.21%)	0.74%	1.10%				
Taxable Municipals	10.63	3.88%	(1.73%)	6.82%	3.73%				

Returns for periods greater than one year are annualized.

Source: ICE BofAML Indices.

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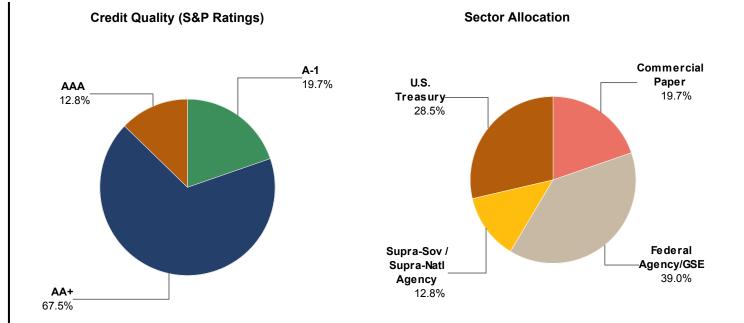


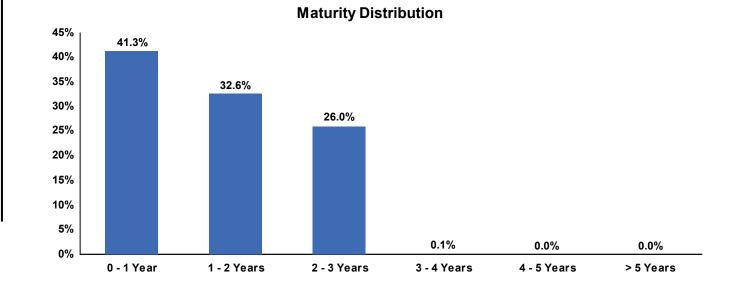
# CITY OF ST. LOUIS - AIRPORT PORTFOLIO

#### **Portfolio Statistics**

As of March 31, 2018

\$128,795,000 Par Value: **Total Market Value:** \$127,631,017 \$127,296,831 Security Market Value: Accrued Interest: \$306,159 \$28,028 Cash: \$128,540,982 **Amortized Cost:** Yield at Market: 2.24% 1.48% Yield at Cost: 1.29 Years **Effective Duration:** 1.29 Years **Duration to Worst:** 1.33 Years **Average Maturity:** Average Credit: \* AA

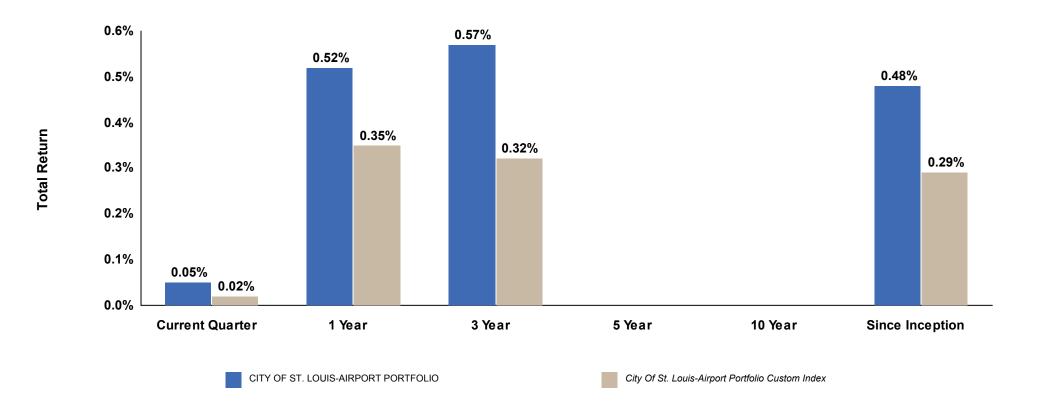




<sup>\*</sup> An average of each security's credit rating assigned a numeric value and adjusted for its relative weighting in the portfolio.

#### Portfolio Performance (Total Return)

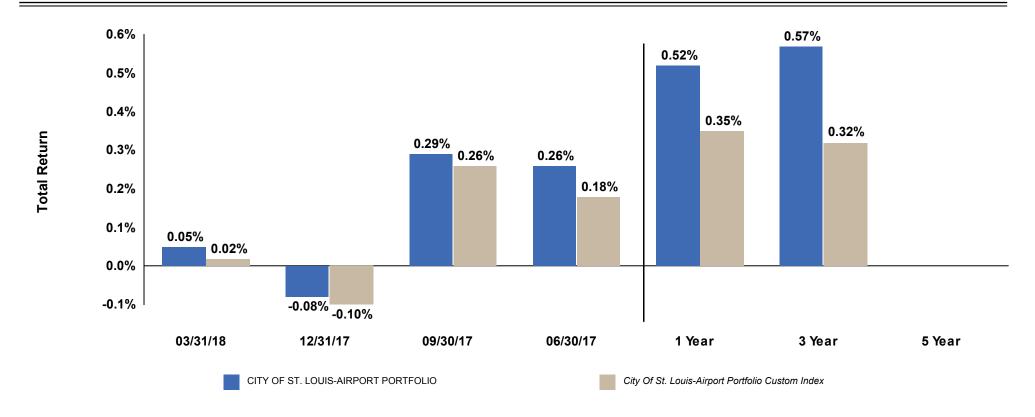
		-	_	Annualized Return			
Portfolio/Benchmark	Effective Duration	Current Quarter	1 Year	3 Year	5 Year	10 Year	Since Inception (06/30/13) **
CITY OF ST. LOUIS-AIRPORT PORTFOLIO	1.29	0.05%	0.52%	0.57%	-	-	0.48%
City Of St. Louis-Airport Portfolio Custom Index	1.35	0.02%	0.35%	0.32%	-	-	0.29%
Difference		0.03%	0.17%	0.25%	-	-	0.19%



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

#### Portfolio Performance (Total Return)

		Quarter Ended					Annualized Return	
Portfolio/Benchmark	Effective Duration	03/31/18	12/31/17	09/30/17	06/30/17	1 Year	3 Year	5 Year
CITY OF ST. LOUIS-AIRPORT PORTFOLIO	1.29	0.05%	-0.08%	0.29%	0.26%	0.52%	0.57%	-
City Of St. Louis-Airport Portfolio Custom Index	1.35	0.02%	-0.10%	0.26%	0.18%	0.35%	0.32%	-
Difference		0.03%	0.02%	0.03%	0.08%	0.17%	0.25%	-



Portfolio performance is gross of fees unless otherwise indicated.

# **Portfolio Earnings**

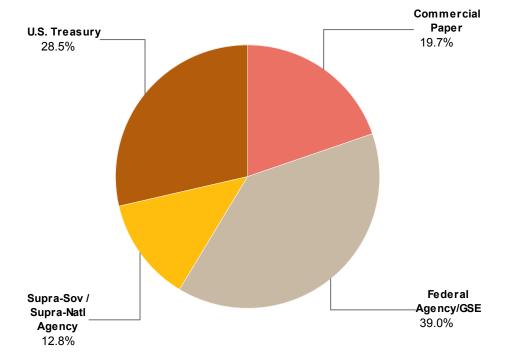
#### Quarter-Ended March 31, 2018

	Market Value Basis	Accrual (Amortized Cost) Basis
Beginning Value (12/31/2017)	\$127,038,700.93	\$127,958,586.31
Net Purchases/Sales	\$512,421.77	\$512,421.77
Change in Value	(\$254,292.13)	\$69,974.35
Ending Value (03/31/2018)	\$127,296,830.57	\$128,540,982.43
Interest Earned	\$324,027.87	\$324,027.87
Portfolio Earnings	\$69,735.74	\$394,002.22

#### **Sector Allocation**

#### As of March 31, 2018

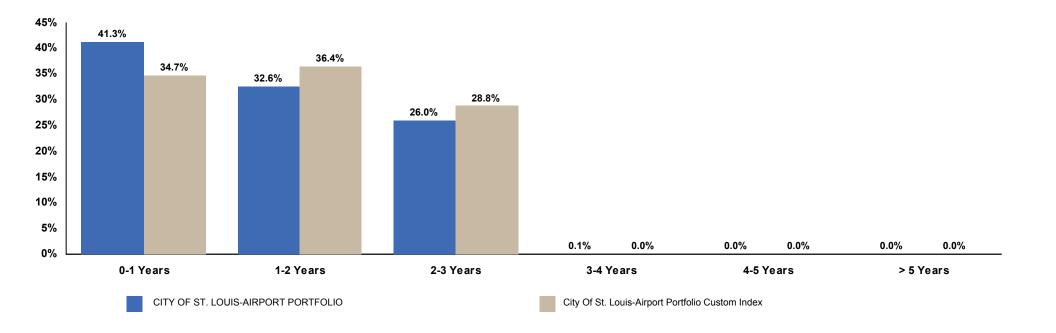
Sector	Market Value (\$)	% of Portfolio
Federal Agency/GSE	49,751,327	39.0%
U.S. Treasury	36,218,396	28.5%
Commercial Paper	25,066,248	19.7%
Supra-Sov / Supra-Natl Agency	16,260,860	12.8%
Total	\$127,296,831	100.0%



Detail may not add to total due to rounding.

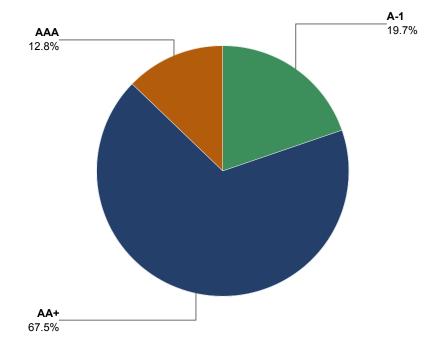
#### **Maturity Distribution**

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 ST. LOUIS-AIRPORT PORTFOLIO	2.24%	1.33 yrs	41.3%	32.6%	26.0%	0.1%	0.0%	0.0%
City Of St. Louis-Airport Portfolio Custom Index	2.17%	1.47 yrs	34.7%	36.4%	28.8%	0.0%	0.0%	0.0%



# **Credit Quality**

S&P Rating	Market Value (\$)	% of Portfolio
AA+	\$85,969,723	67.5%
A-1	\$25,066,248	19.7%
AAA	\$16,260,860	12.8%
Totals	\$127,296,831	100.0%



#### **Issuer Distribution**

Issuer	Market Value (\$)	% of Portfolio		
UNITED STATES TREASURY	36,218,396	28.5%		
FANNIE MAE	20,450,656	16.1%	<b>%6</b> :	
FEDERAL HOME LOAN BANKS	16,910,800	13.3%	Top 5 = 71.9%	
FREDDIE MAC	12,389,870	9.7%	Тор	86.0%
INTL BANK OF RECONSTRUCTION AND DEV	5,569,208	4.4%		Top 10 = 86.0%
AFRICAN DEVELOPMENT BANK	5,420,745	4.3%		1 <sub>0</sub>
RABOBANK NEDERLAND	3,148,869	2.5%		
JP MORGAN CHASE & CO	3,142,777	2.5%		
CREDIT AGRICOLE SA	3,142,613	2.5%		
BANK OF MONTREAL	3,134,174	2.5%		
GENERAL ELECTRIC CO	3,134,130	2.5%		
ING GROUP NV	3,124,920	2.5%		
BNP PARIBAS	3,122,141	2.5%		
MITSUBISHI UFJ FINANCIAL GROUP INC	3,116,623	2.5%		
ASIAN DEVELOPMENT BANK	2,173,096	1.7%		
INTERNATIONAL FINANCE CORPORATION	1,868,214	1.5%		
INTER-AMERICAN DEVELOPMENT BANK	1,229,596	1.0%		
Grand Total:	127,296,831	100.0%		



# CITY OF ST. LOUIS – AIRPORT PFC PORTFOLIO

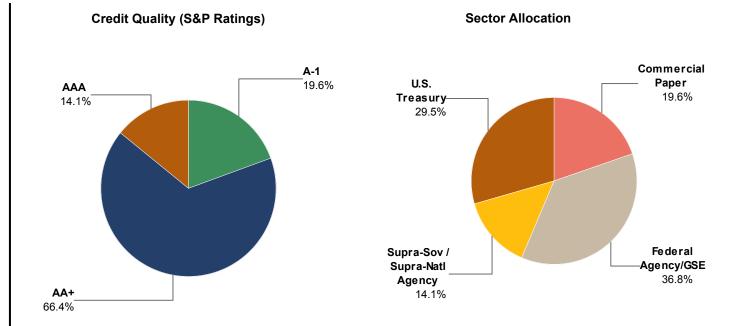
# Portfolio Statistics As of March 31, 2018

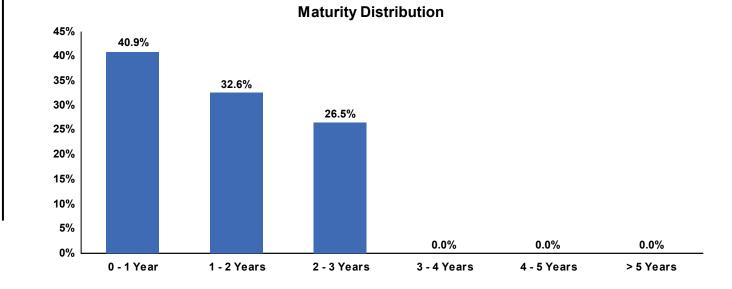
\$14,395,000 Par Value: **Total Market Value:** \$14,271,818 \$14,225,056 Security Market Value: Accrued Interest: \$34,294 \$12,468 Cash: \$14,363,968 **Amortized Cost:** Yield at Market: 2.24% 1.50% Yield at Cost: 1.31 Years **Effective Duration:** 

**Duration to Worst:** 

**Average Maturity:** 

Average Credit: \*





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

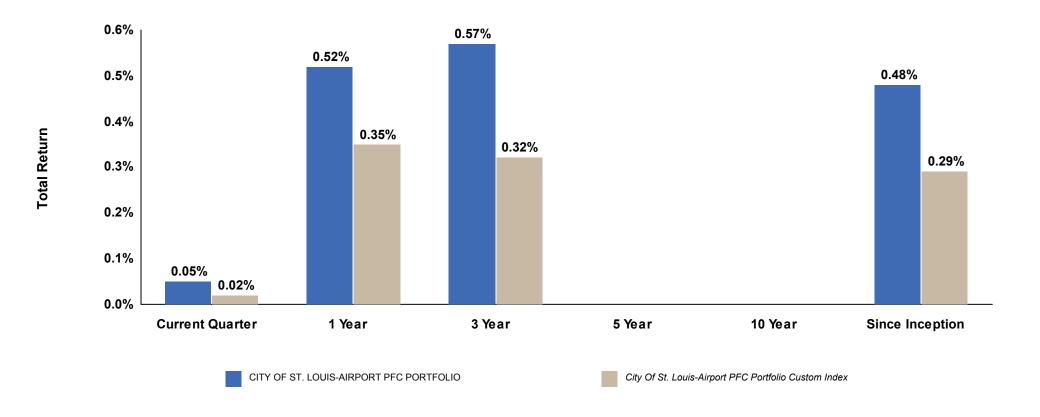
1.31 Years

1.35 Years

AA

#### Portfolio Performance (Total Return)

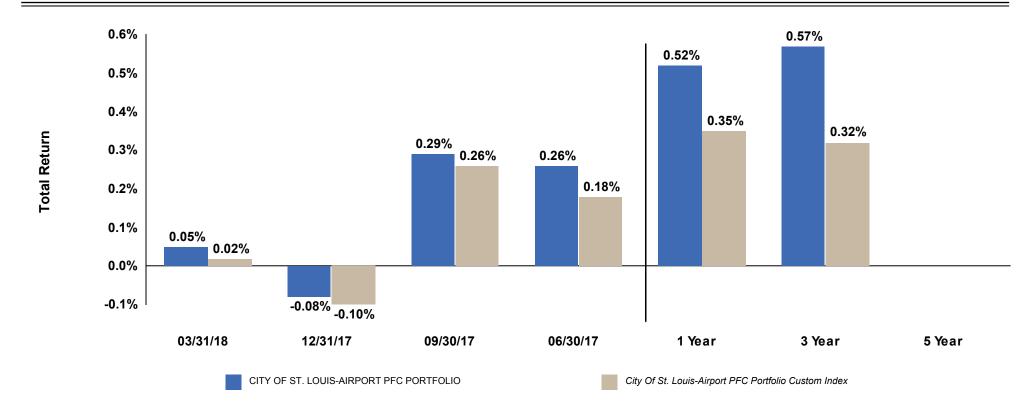
			_	Annualized Return			
Portfolio/Benchmark	Effective Duration	Current Quarter	1 Year	3 Year	5 Year	5 Year 10 Year Sinc	
CITY OF ST. LOUIS-AIRPORT PFC PORTFOLIO	1.31	0.05%	0.52%	0.57%	-	-	0.48%
City Of St. Louis-Airport PFC Portfolio Custom Index	1.35	0.02%	0.35%	0.32%	-	-	0.29%
Difference		0.03%	0.17%	0.25%	-	-	0.19%



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

#### Portfolio Performance (Total Return)

		Quarter Ended					Annualized Return	
Portfolio/Benchmark	Effective Duration	03/31/18	12/31/17	09/30/17	06/30/17	1 Year	3 Year	5 Year
CITY OF ST. LOUIS-AIRPORT PFC PORTFOLIO	1.31	0.05%	-0.08%	0.29%	0.26%	0.52%	0.57%	-
City Of St. Louis-Airport PFC Portfolio Custom Index	1.35	0.02%	-0.10%	0.26%	0.18%	0.35%	0.32%	-
Difference		0.03%	0.02%	0.03%	0.08%	0.17%	0.25%	-



Portfolio performance is gross of fees unless otherwise indicated.

# **Portfolio Earnings**

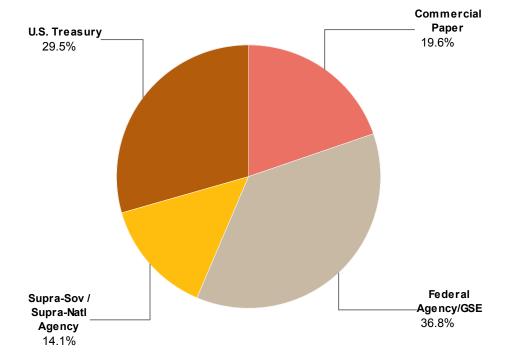
#### Quarter-Ended March 31, 2018

	Market Value Basis	Accrual (Amortized Cost) Basis
Beginning Value (12/31/2017)	\$14,192,283.03	\$14,294,260.15
Net Purchases/Sales	\$62,173.50	\$62,173.50
Change in Value	(\$29,400.71)	\$7,534.69
Ending Value (03/31/2018)	\$14,225,055.82	\$14,363,968.34
Interest Earned	\$36,233.42	\$36,233.42
Portfolio Earnings	\$6,832.71	\$43,768.11

#### **Sector Allocation**

#### As of March 31, 2018

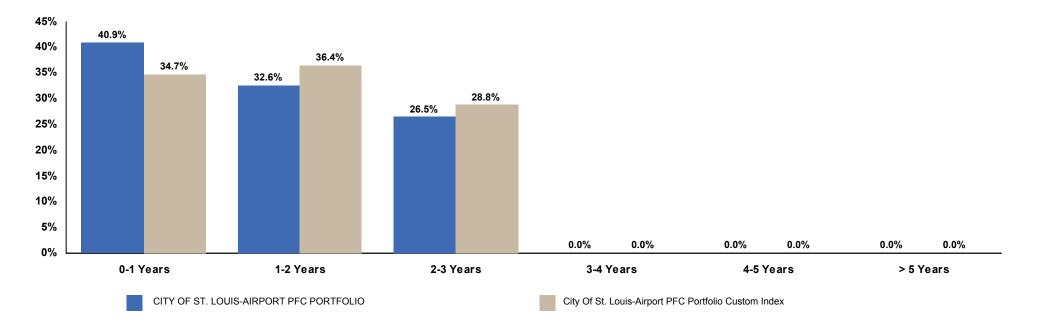
Sector	Market Value (\$)	% of Portfolio	
Federal Agency/GSE	5,247,821	36.8%	
U.S. Treasury	4,192,519	29.5%	
Commercial Paper	2,785,139	19.6%	
Supra-Sov / Supra-Natl Agency	1,999,576	14.1%	
Total	\$14,225,056	100.0%	



Detail may not add to total due to rounding.

#### **Maturity Distribution**

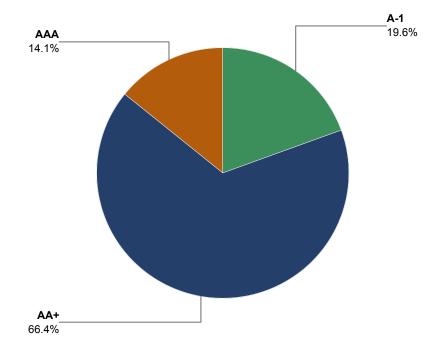
Portfolio/Benchmark	Yield at Market	Average Maturity	0-1 Years	1-2 Years	2-3 Years	3-4 Years	4-5 Years	>5 Years
CITY OF ST. LOUIS-AIRPORT PFC PORTFOLIO	2.24%	1.35 yrs	40.9%	32.6%	26.5%	0.0%	0.0%	0.0%
City Of St. Louis-Airport PFC Portfolio Custom Index	2.17%	1.47 yrs	34.7%	36.4%	28.8%	0.0%	0.0%	0.0%



# **Credit Quality**

# As of March 31, 2018

S&P Rating	Market Value (\$)	% of Portfolio
AA+	\$9,440,341	66.4%
A-1	\$2,785,139	19.6%
AAA	\$1,999,576	14.1%
Totals	\$14,225,056	100.0%



Detail may not add to total due to rounding.

#### **Issuer Distribution**

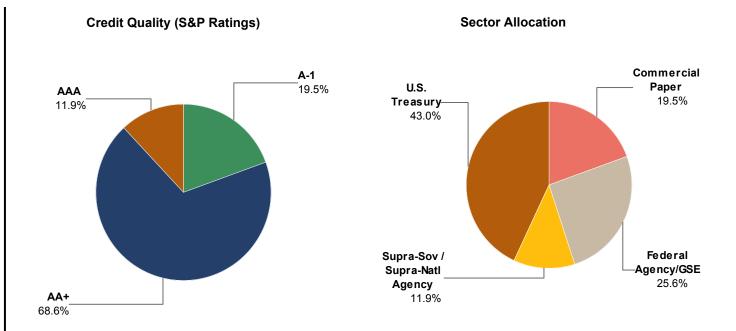
Issuer	Market Value (\$)	% of Portfolio		
UNITED STATES TREASURY	4,192,519	29.5%		
FANNIE MAE	2,217,299	15.6%	.4%	
FEDERAL HOME LOAN BANKS	1,554,448	10.9%	Top 5 = 71.4%	
FREDDIE MAC	1,476,074	10.4%	Тор	85.8%
INTL BANK OF RECONSTRUCTION AND DEV	715,794	5.0%		Top 10 = 85.8%
AFRICAN DEVELOPMENT BANK	648,497	4.6%		ο̈́
RABOBANK NEDERLAND	349,874	2.5%		
JP MORGAN CHASE & CO	349,197	2.5%		
CREDIT AGRICOLE SA	349,179	2.5%		
BANK OF MONTREAL	348,242	2.5%		
GENERAL ELECTRIC CO	348,237	2.5%		
ING GROUP NV	347,213	2.4%		
BNP PARIBAS	346,905	2.4%		
MITSUBISHI UFJ FINANCIAL GROUP INC	346,291	2.4%		
ASIAN DEVELOPMENT BANK	262,358	1.8%		
INTERNATIONAL FINANCE CORPORATION	224,186	1.6%		
INTER-AMERICAN DEVELOPMENT BANK	148,742	1.1%		
Grand Total:	14,225,056	100.0%		

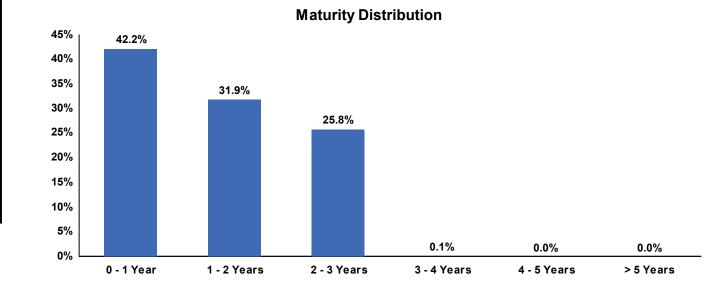


# CITY OF ST. LOUIS – GENERAL POOL PORTFOLIO

# Portfolio Statistics As of March 31, 2018

\$33,005,000 Par Value: **Total Market Value:** \$32,739,563 \$32,645,055 Security Market Value: Accrued Interest: \$83,650 \$10,858 Cash: \$32,946,800 **Amortized Cost:** Yield at Market: 2.24% 1.54% Yield at Cost: 1.31 Years **Effective Duration:** 1.31 Years **Duration to Worst:** 1.35 Years **Average Maturity:** Average Credit: \* AA

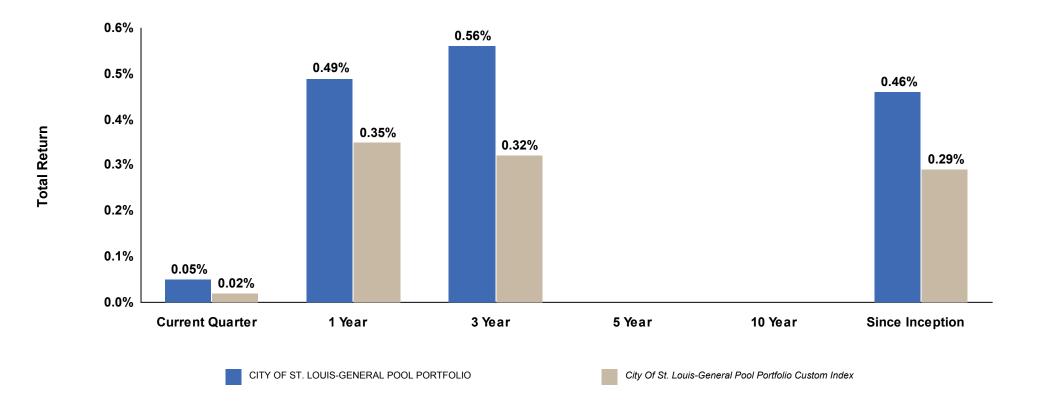




<sup>\*</sup> An average of each security's credit rating assigned a numeric value and adjusted for its relative weighting in the portfolio.

#### Portfolio Performance (Total Return)

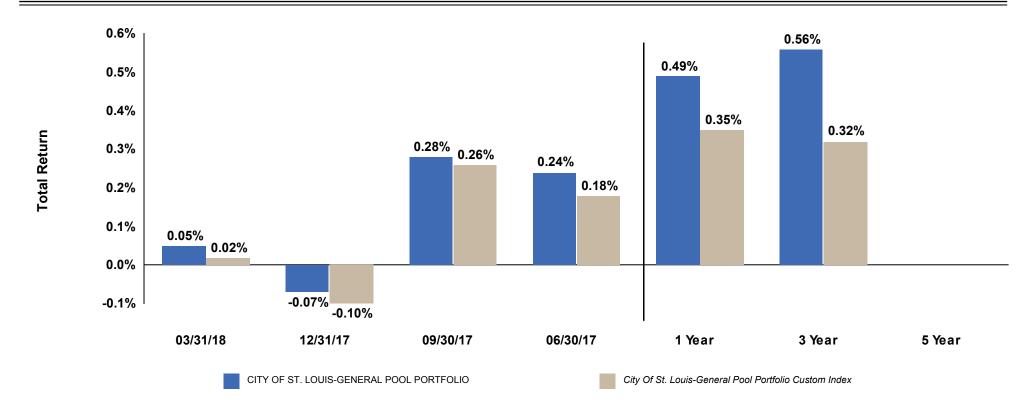
			_	Annualized Return			
Portfolio/Benchmark	Effective Duration	Current Quarter	1 Year	3 Year	5 Year	10 Year	Since Inception (06/30/13) **
CITY OF ST. LOUIS-GENERAL POOL PORTFOLIO	1.31	0.05%	0.49%	0.56%	-	-	0.46%
City Of St. Louis-General Pool Portfolio Custom Index	1.35	0.02%	0.35%	0.32%	-	-	0.29%
Difference		0.03%	0.14%	0.24%	-	-	0.17%



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

#### Portfolio Performance (Total Return)

		Quarter Ended			_	Annualized Return		
Portfolio/Benchmark	Effective Duration	03/31/18	12/31/17	09/30/17	06/30/17	1 Year	3 Year	5 Year
CITY OF ST. LOUIS-GENERAL POOL PORTFOLIO	1.31	0.05%	-0.07%	0.28%	0.24%	0.49%	0.56%	-
City Of St. Louis-General Pool Portfolio Custom Index	1.35	0.02%	-0.10%	0.26%	0.18%	0.35%	0.32%	-
Difference		0.03%	0.03%	0.02%	0.06%	0.14%	0.24%	-



Portfolio performance is gross of fees unless otherwise indicated.

# **Portfolio Earnings**

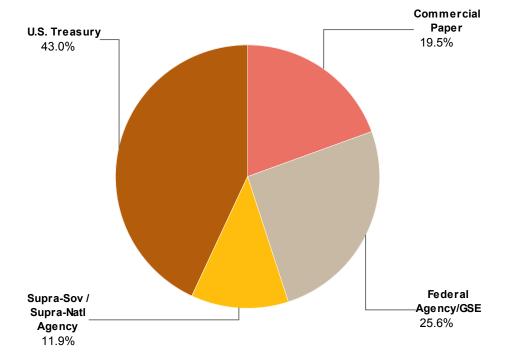
#### Quarter-Ended March 31, 2018

	Market Value Basis	Accrual (Amortized Cost) Basis
Beginning Value (12/31/2017)	\$32,583,909.65	\$32,795,617.05
Net Purchases/Sales	\$134,090.59	\$134,090.59
Change in Value	(\$72,945.22)	\$17,092.64
Ending Value (03/31/2018)	\$32,645,055.02	\$32,946,800.28
Interest Earned	\$88,550.28	\$88,550.28
Portfolio Earnings	\$15,605.06	\$105,642.92

#### **Sector Allocation**

#### As of March 31, 2018

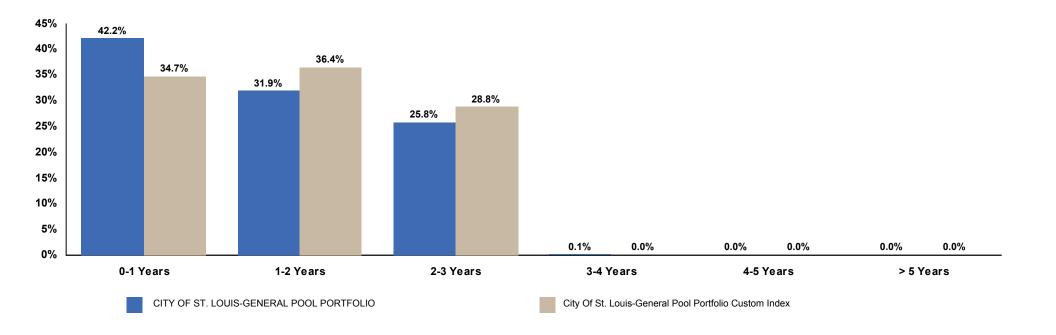
Sector	Market Value (\$)	% of Portfolio
U.S. Treasury	14,042,930	43.0%
Federal Agency/GSE	8,350,963	25.6%
Commercial Paper	6,366,031	19.5%
Supra-Sov / Supra-Natl Agency	3,885,131	11.9%
Total	\$32,645,055	100.0%



Detail may not add to total due to rounding.

#### **Maturity Distribution**

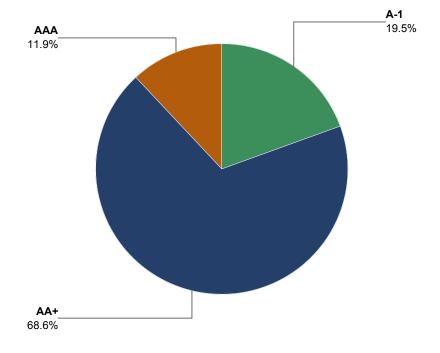
Portfolio/Benchmark	Yield at Market	Average Maturity	0-1 Years	1-2 Years	2-3 Years	3-4 Years	4-5 Years	>5 Years
CITY OF ST. LOUIS-GENERAL POOL PORTFOLIO	2.24%	1.35 yrs	42.2%	31.9%	25.8%	0.1%	0.0%	0.0%
City Of St. Louis-General Pool Portfolio Custom Index	2.17%	1.47 yrs	34.7%	36.4%	28.8%	0.0%	0.0%	0.0%



# **Credit Quality**

# As of March 31, 2018

S&P Rating	Market Value (\$)	% of Portfolio
AA+	\$22,393,893	68.6%
A-1	\$6,366,031	19.5%
AAA	\$3,885,131	11.9%
Totals	\$32,645,055	100.0%



Detail may not add to total due to rounding.

#### **Issuer Distribution**

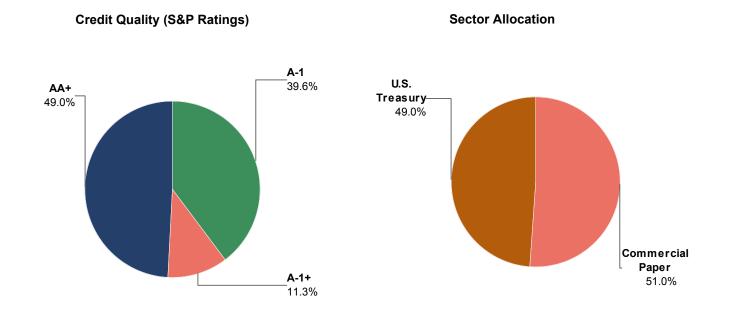
Issuer	Market Value (\$)	% of Portfolio		
UNITED STATES TREASURY	14,042,930	43.0%		
FANNIE MAE	4,043,087	12.4%	<b>%0</b> :	
FREDDIE MAC	2,425,879	7.4%	Top 5 = 73.0%	
FEDERAL HOME LOAN BANKS	1,881,998	5.8%	Тор	86.4%
INTL BANK OF RECONSTRUCTION AND DEV	1,445,346	4.4%		Top 10 = 86.4%
AFRICAN DEVELOPMENT BANK	1,158,851	3.6%		10 <sub>1</sub>
RABOBANK NEDERLAND	799,713	2.5%		
JP MORGAN CHASE & CO	798,166	2.4%		
CREDIT AGRICOLE SA	798,124	2.4%		
BANK OF MONTREAL	795,981	2.4%		
GENERAL ELECTRIC CO	795,970	2.4%		
ING GROUP NV	793,630	2.4%		
BNP PARIBAS	792,925	2.4%		
MITSUBISHI UFJ FINANCIAL GROUP INC	791,523	2.4%		
INTERNATIONAL FINANCE CORPORATION	498,191	1.5%		
ASIAN DEVELOPMENT BANK	465,429	1.4%		
INTER-AMERICAN DEVELOPMENT BANK	317,315	1.0%		
Grand Total:	32,645,055	100.0%		

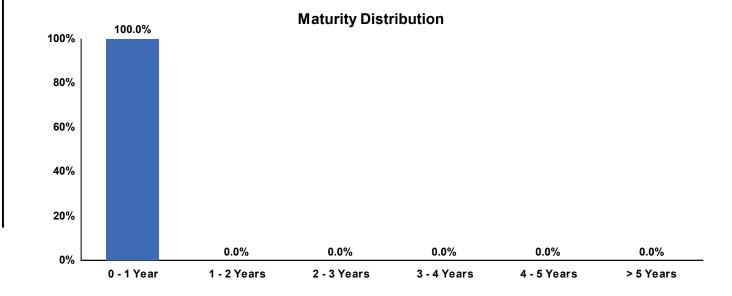


# CITY OF ST. LOUIS – WATER REVENUE PORTFOLIO

# Portfolio Statistics As of March 31, 2018

\$17,650,000 Par Value: **Total Market Value:** \$19,647,422 \$17,566,876 Security Market Value: Accrued Interest: \$13,931 \$2,066,615 Cash: \$17,583,595 **Amortized Cost:** Yield at Market: 2.03% 1.71% Yield at Cost: 0.33 Years **Effective Duration:** 0.32 Years **Duration to Worst:** 0.33 Years **Average Maturity:** Average Credit: \*





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

# **Portfolio Earnings**

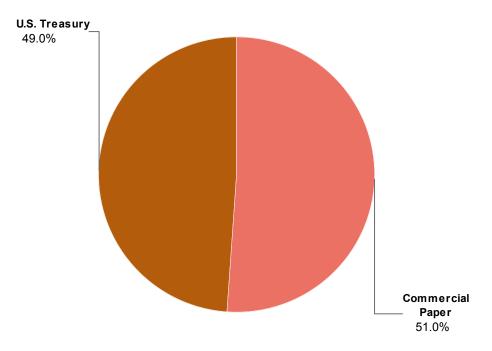
#### Quarter-Ended March 31, 2018

	Market Value Basis	Accrual (Amortized Cost) Basis
Beginning Value (12/31/2017)	\$17,499,384.62	\$17,508,345.81
Net Purchases/Sales	\$27,149.42	\$27,149.42
Change in Value	\$40,341.76	\$48,099.60
Ending Value (03/31/2018)	\$17,566,875.80	\$17,583,594.83
Interest Earned	\$18,409.78	\$18,409.78
Portfolio Earnings	\$58,751.54	\$66,509.38

## **Sector Allocation**

## As of March 31, 2018

Sector	Market Value (\$)	% of Portfolio	
Commercial Paper	8,954,133	51.0%	
U.S. Treasury	8,612,743	49.0%	
Total	\$17,566,876	100.0%	



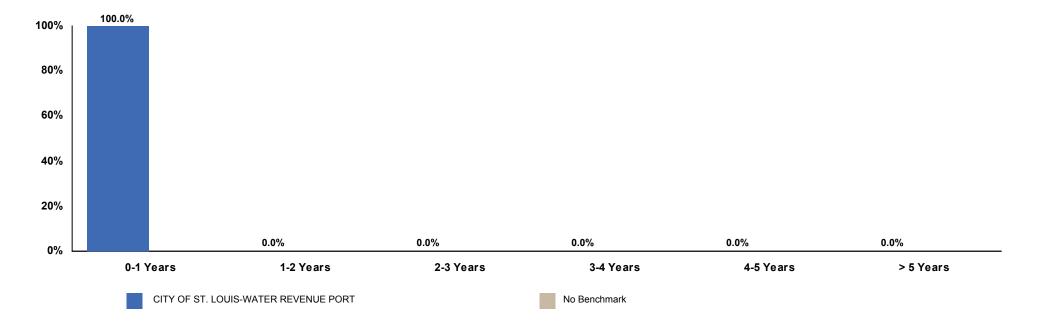
Detail may not add to total due to rounding.

## **Maturity Distribution**

## As of March 31, 2018

Portfolio/Benchmark	Yield	Average	0-1	1-2	2-3	3-4	4-5	>5
	at Market	Maturity	Years	Years	Years	Years	Years	Years
CITY OF ST. LOUIS-WATER REVENUE PORT	2.03%	0.33 yrs	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%

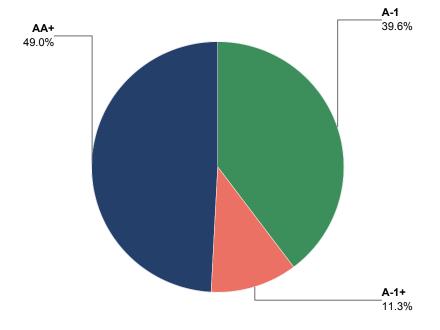
#### No Benchmark



## **Credit Quality**

## As of March 31, 2018

S&P Rating	Market Value (\$)	% of Portfolio
AA+	\$8,612,743	49.0%
A-1	\$6,964,803	39.7%
A-1+	\$1,989,330	11.3%
Totals	\$17,566,876	100.0%



Detail may not add to total due to rounding.

## **Issuer Distribution**

## As of March 31, 2018

Issuer	Market Value (\$)	% of Portfolio		
UNITED STATES TREASURY	8,612,743	49.0%		
RABOBANK NEDERLAND	997,660	5.7%	= 71.7%	
CREDIT AGRICOLE SA	997,655	5.7%	2	%
BNP PARIBAS	997,648	5.7%	Тор	= 100.0%
TOYOTA MOTOR CORP	997,559	5.7%		Top 10 =
GENERAL ELECTRIC CO	994,962	5.7%		Тор
JP MORGAN CHASE & CO	992,536	5.7%		
MITSUBISHI UFJ FINANCIAL GROUP INC	992,304	5.7%		
ING GROUP NV	992,038	5.7%		
DEXIA GROUP	991,771	5.7%		
Grand Total:	17,566,876	100.0%		

CITY OF ST. LOUIS

Portfolio Activity

#### 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 an 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.

CITY OF ST. LOUIS

Appendix

#### **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 or 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 ominal 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.

# **Portfolio Summary and Statistics**

Cit o St. Louis - P MAM Ma a e A ou ts

Account Summary Report for: CITY OF ST LOUIS

As of 3/31/2018

Portfolio						Yield at	Yield to	Duration
Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Cost	Maturity	to Worst
81670100	CITY OF ST. LOUIS-AIRPORT PORTFOLIO	128,795,000.00	127,296,830.57	287,128.08	127,583,958.65	1.48	2.24	1.29
81670200	CITY OF ST. LOUIS-AIRPORT PFC PORTFOLIO	14,395,000.00	14,225,055.82	31,887.45	14,256,943.27	1.50	2.24	1.31
81670300	CITY OF ST. LOUIS-GENERAL POOL PORTFOLIO	33,005,000.00	32,645,055.02	83,650.24	32,728,705.26	1.54	2.24	1.31
81670400	CITY OF ST. LOUIS-WATER REVENUE PORT	17,650,000.00	17,566,875.80	13,930.62	17,580,806.42	1.71	2.03	0.32
Total		193,845,000.00	191,733,817.21	416,596.39	192,150,413.60			

# **Portfolio Summary and Statistics**

Cit o St. Louis - CC AM Ma a e A ou ts

Account Summary Report for: CITY OF ST LOUIS- UMB MANAGED

As of 3/31/2018

Portfolio						Yield at	Yield to	Duration
Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Cost	Maturity	to Worst
81680002	ST LOUIS LAMBERT FIELD 2005A DSR	3,750,000.00	3,735,607.72	5,407.69	3,741,015.41	1.01	1.96	0.46
81680004	ST LOUIS LAMBERT FIELD 2009A DSR	9,860,000.00	9,829,011.95	11,516.12	9,840,528.07	1.06	1.93	0.42
81680009	STL LAMBERT FLD-ARPT REV BND SERIES 2012	1,063,600.00	1,061,959.46	3,064.38	1,065,023.84	5.40	1.75	0.23
81680010	ST LOUIS LAMBERT FIELD 2013 DSR	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680012	ST LOUIS LAMBERT FLD 2009A DEBT SERVICE	4,210,000.00	4,209,716.20	18,951.00	4,228,667.20	1.66	1.81	0.25
81680015	ST LOUIS LAMBERT FIELD 2012 DSR	2,685,000.00	2,676,605.12	6,395.68	2,683,000.80	1.09	1.92	0.49
81680016	ST LOUIS LAMBERT FIELD 2015 DSR	1,940,000.00	1,934,222.47	2,373.30	1,936,595.77	1.08	1.92	0.40
81680017	ST LOUIS LAMBERT FLD 2015 DEBT SERVICE	218,200.00	217,916.84	675.91	218,592.75	5.51	1.72	0.22
81680018	ST LOUIS LAMBERT FIELD 2017 C & D DSR	4,950,000.00	4,930,551.80	18,649.34	4,949,201.14	1.30	1.99	0.73
81680019	ST LOUIS LAMBERT FLD 17C CONSTRUCTION BD	30,210,000.00	30,111,289.64	118,724.20	30,230,013.84	1.34	1.96	0.65
81680020	ST LOUIS LAMBERT FLD 17D CONSTRUCTION BD	25,660,000.00	25,576,037.16	100,533.63	25,676,570.79	1.34	1.96	0.65
81680021	ST LOUIS LAMBERT FIELD C&D CAP INTEREST	2,900,000.00	2,903,932.40	17,313.88	2,921,246.28	1.51	1.82	0.25
81680100	CITY OF ST LOUIS FIRE DEBT ACCOUNT	6,920,000.00	6,912,526.40	23,918.93	6,936,445.33	1.73	1.80	0.25
81680112	ST LOUIS AIRPORT 2005 REFUNDED	19,300,400.00	19,254,369.26	37,556.11	19,291,925.37	5.51	1.72	0.23
81680113	ST LOUIS AIRPORT 2007A	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680114	STL 2013 AIRPORT REV REFUNDING BOND ACCT	5,341,700.00	5,328,153.59	9,539.75	5,337,693.34	5.67	1.72	0.24
81680121	ST LOUIS CARNAHAN COURTHOUSE 2016A DSR	2,046,000.00	2,031,296.95	0.00	2,031,296.95	5.88	1.90	0.37
81680205	STL MFC REC CENTER BONDS SERIES 2016 DSR	3,010,000.00	2,985,688.46	8,173.37	2,993,861.83	1.32	2.07	0.90
81680300	STL PARKING TRUST PARKING	1,900,000.00	1,894,284.86	2,298.58	1,896,583.44	1.07	1.92	0.41
81680301	STL PARKING TRUST GENERAL	1,480,000.00	1,475,509.67	1,761.90	1,477,271.57	1.07	1.92	0.41
81680302	STL PARKING REPAIR AND REPLACE	2,650,000.00	2,644,688.68	11,557.63	2,656,246.31	1.45	1.94	0.52
81680303	STL PARKING REV BONDS 2007 DEBT SERVICE	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680304	STL PARKING REVENUE BONDS 2007 DSR	452,000.00	450,480.38	0.00	450,480.38	4.37	1.62	0.20
81680308	STL PARKING REVENUE- 2015 PROJECT	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680309	STL PARKING REVENUE BONDS 2015 DSR	485,000.00	483,899.28	1,303.27	485,202.55	1.34	1.91	0.42
81680310	STL PARKING REV BONDS 2013 DEBT SERVICE	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680311	STL PARKING REV BONDS 2015 DEBT SERVICE	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680351	FOREST PK CAP LEASEHOLD IMPROVE BONDS 13	3,700,000.00	3,690,437.55	13,693.33	3,704,130.88	1.23	1.95	0.52
81680352	STL FOREST PK CAP LEASE IMPROVE 2015 DSR	830,000.00	827,072.40	976.30	828,048.70	1.06	1.95	0.47
81680405	STL MLK PLAZA REDEVELOPMENT PRJ 2004 DSR	205,000.00	203,816.22	522.67	204,338.89	1.07	2.07	0.80
81680407	STL GRAND CTR REDEVELOP PROJ 2011B DSR	1,610,000.00	1,605,181.60	1,986.19	1,607,167.79	1.07	1.92	0.40
Total		135,766,900.00	136,974,256.06	416,893.16	137,391,149.22			

Account Summary Report for: CITY OF ST LOUIS-BNY

As of 3/31/2018

Portfolio						Yield at	Yield to	Duration
Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Cost	Maturity	to Worst
81690100	MFC CCC IMPROVEMENT PROJECT 2009A DSR	735,000.00	733,740.72	2,851.03	736,591.75	1.08	1.83	0.34
81690103	MFC CCC IMPROVE PRJ 2009B INFRASTRUCTURE	510,000.00	507,804.20	2,084.92	509,889.12	1.27	2.03	0.74
81690105	MFC CCC IMPROVE PRJ 2010A BOND RESERVE	2,465,000.00	2,462,254.54	9,587.77	2,471,842.31	0.87	1.76	0.20
81690109	MFC CCC IMPROVEMENT 2015 PROJECT FUND	170,000.00	169,483.78	801.25	170,285.03	1.24	2.03	0.73
81690110	MFC CCC IMPROVEMENT 2015 DSR	2,370,000.00	2,366,441.00	9,849.54	2,376,290.54	1.59	1.90	0.43
Total		6,250,000.00	6,239,724.24	25,174.51	6,264,898.75			

Account Summary Report for: CITY OF ST. LOUIS- COMER MANAGED

As	Ωf	3	/31	120	11	Я

Portfolio						Yield at	Yield to	Duration
Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Cost	Maturity	to Worst
81700510	STL CITY PARKS SERIES 2014 DSR	765,000.00	760,729.32	1,987.06	762,716.38	1.06	2.05	0.77
81700500	STL CITY PARKS SERIES 2014 PROJECT FUND	8,730,000.00	8,725,144.60	41,378.84	8,766,523.44	1.36	1.86	0.34
Total		9,495,000.00	9,485,873.92	43,365.90	9,529,239.82			

Portfolio Summary and Statistics
Cit o St. Louis - MOSIP A ou ts



# **Consolidated Summary Statement**

**Account Statement** 

For the Month Ending March 31, 2018

## City of St. Louis

Portfolio Summary			
	Cash Dividends	Closing	Current
Portfolio Holdings	and Income	Market Value	Yield
MOSIP	5,577.14	4,573,728.25	1.49 %
MOSIP TERM	0.00	10,123,723.75	* N/A
Total	\$5,577.14	\$14,697,452.00	

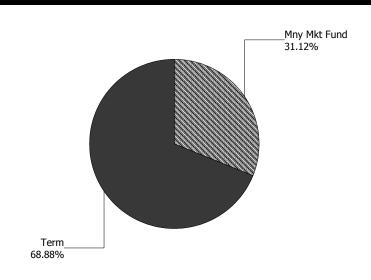
Investment Allocation		
Investment Type	Closing Market Value	Percent
Money Market Mutual Fund	4,573,728.25	31.12
Term Investment	10,123,723.75	68.88
Total	\$14,697,452.00	100.00%

## **Maturity Distribution (Fixed Income Holdings)**

Portfolio Holdings	Closing Market Value	Percent
Under 30 days	4,573,728.25	31.12
31 to 60 days	0.00	0.00
61 to 90 days	0.00	0.00
91 to 180 days	10,123,723.75	68.88
181 days to 1 year	0.00	0.00
1 to 2 years	0.00	0.00
2 to 3 years	0.00	0.00
3 to 4 years	0.00	0.00
4 to 5 years	0.00	0.00
Over 5 years	0.00	0.00
Total	\$14,697,452.00	100.00%

Weighted Average Days to Maturity 89

## **Sector Allocation**



## PFM Asset Management LLC

<sup>\*</sup> Not Applicable



## **Account Statement**

For the Month Ending March 31, 2018

# **Consolidated Summary Statement**

City of St. Louis								
Account Number	Account Name	Opening Market Value	Purchases / Deposits	Redemptions / Sales/ Maturities	Unsettled Trades	Change in Value	Closing Market Value	Cash Dividends and Income
8500162	General Fund	4,475.32	5.46	0.00	0.00	0.00	4,480.78	5.46
8500180	Section 108	2,528,508.11	3,087.00	0.00	0.00	0.00	2,531,595.11	3,087.00
8500181	Water - ORD #1	1,017,075.17	1,241.72	0.00	0.00	0.00	1,018,316.89	1,241.72
8500182	Water - ORD #2	1,015,558.29	1,239.87	0.00	0.00	0.00	1,016,798.16	1,239.87
8500230	Parking Division	10,126,257.97	3.09	0.00	0.00	0.00	10,126,261.06	3.09
Total		\$14,691,874.86	\$5,577.14	\$0.00	\$0.00	\$0.00	\$14,697,452.00	\$5,577.14