

## **City of St. Louis**

## **Quarterly Investment Review**

**Second Quarter 2020** 

PFM Asset Management LLC 537 State Highway Suite 220 Cottleville, MO 63304 314.815.5482 pfm.com



## Agenda

Market Update

- Portfolio Review
- MOSIP Accounts
- Appendix: Portfolio Summaries

## **Market Update**



#### **COVID-19 Impact Update**

#### **Health Pandemic**

- Confirmed cases exceed 10 million worldwide
- U.S. is leading the world with roughly 25% of cases and deaths
- Recent surge in new U.S. case numbers threatens economic reopening

#### **Effects on the Economy**

- Significant negative impact of lockdowns apparent in Q1 and Q2 economic data
- Early signs of rebound have appeared as some states start to reopen

#### **Effects on the Financial Markets**

- Yields remain very low and are not expected to move meaningfully over the near term
- Fed support stabilized the bond market and returned liquidity
- Equity markets substantially recovered in the second quarter

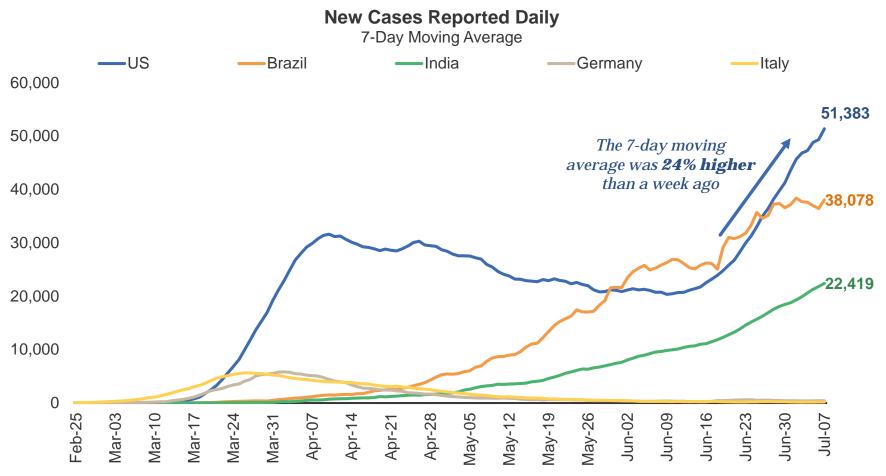








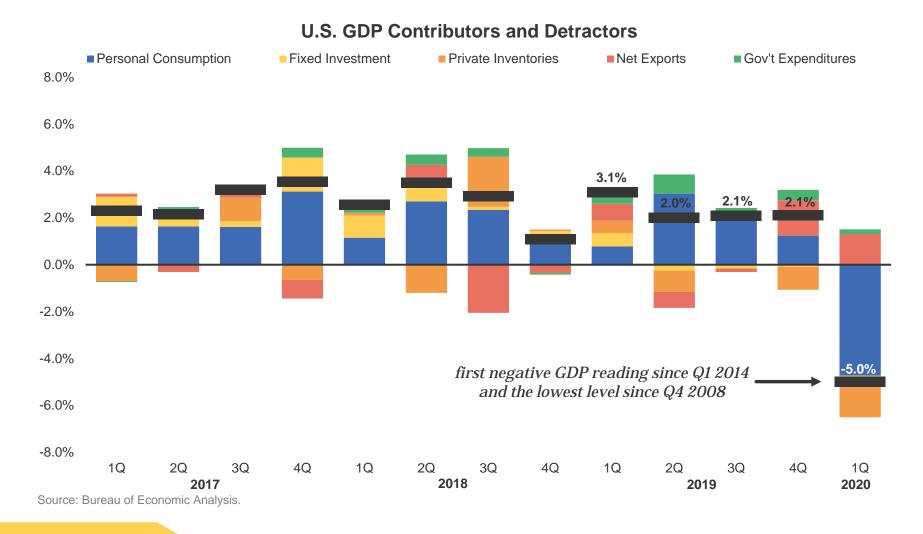
#### **U.S. Coronavirus Cases Surge**



Source: John Hopkins University Coronavirus Resource Center, PFM calculations; as of 7/7/2020.

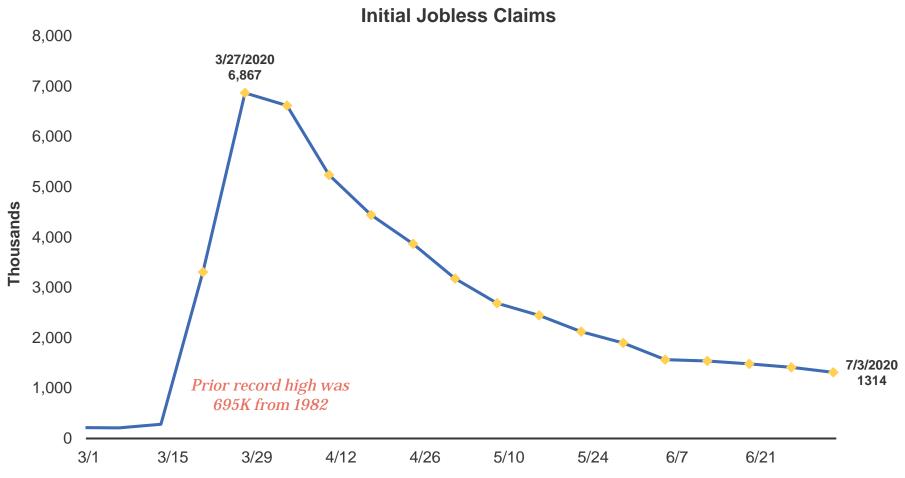


#### U.S. GDP Fell by 5.0% in Q1 due to Covid-19 Driven Lockdown





#### Initial Jobless Claims Declining, But Remain Historically High



Source: Bloomberg, as of 7/06/2020. Data is seasonally adjusted.



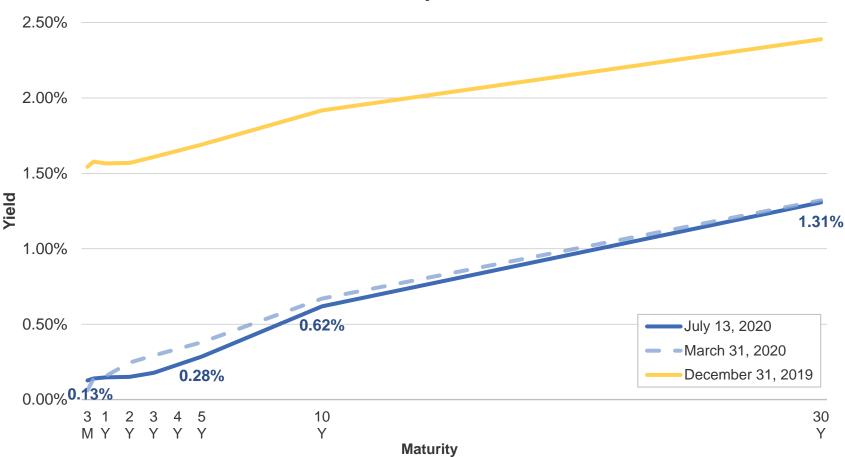
#### **U.S. Treasury Yields Hover Near All-Time Lows**



Source: Bloomberg, as of 6/30/20.



#### **Treasury Yield Curve Little Changed During Second Quarter**



**U.S. Treasury Yield Curve** 

Source: Bloomberg, as of 7/13/2020.



#### Fed Reiterates Its Commitment to Support the U.S. Economy

June	•
10	•

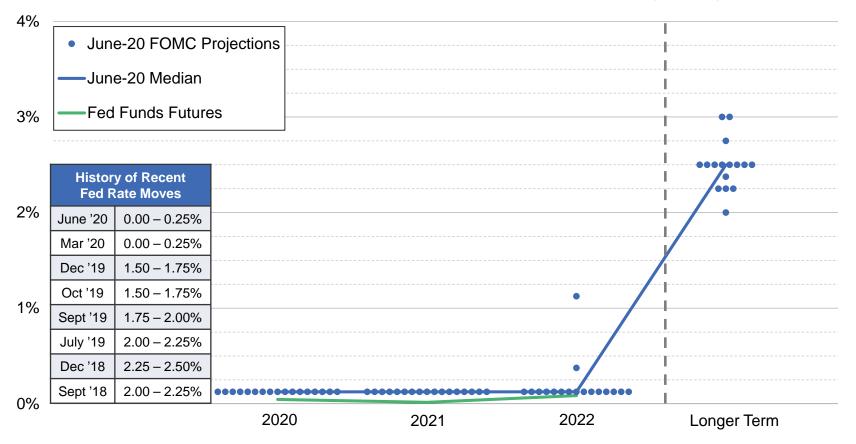
- The Federal Reserve is committed to using its full range of tools to support the U.S. economy in this challenging time, thereby promoting its maximum employment and price stability goals.
- The coronavirus outbreak is causing tremendous human and economic hardship across the United States and around the world. The virus and the measures taken to protect public health have induced sharp declines in economic activity and a surge in job losses. Weaker demand and significantly lower oil prices are holding down consumer price inflation. Financial conditions have improved, in part reflecting policy measures to support the economy and the flow of credit to U.S. households and businesses.
- The ongoing public health crisis will weigh heavily on economic activity, employment, and inflation in the near term, and poses considerable risks to the economic outlook over the medium term. In light of these developments, the Committee decided to maintain the target range for the Federal Funds rate at 0.00% to 0.25%. The Committee expects to maintain this target range until it is confident that the economy has weathered recent events and is on track to achieve its maximum employment and price stability goals.
- To support the flow of credit to households and businesses, over coming months the Federal Reserve will increase its holdings of Treasury securities and Agency residential and commercial mortgage-backed securities at least at the current pace to sustain smooth market functioning, thereby fostering effective transmission of monetary policy to broader financial conditions.

Source: Federal Reserve.



#### Federal Reserve Members See Rates Near Zero Through 2022

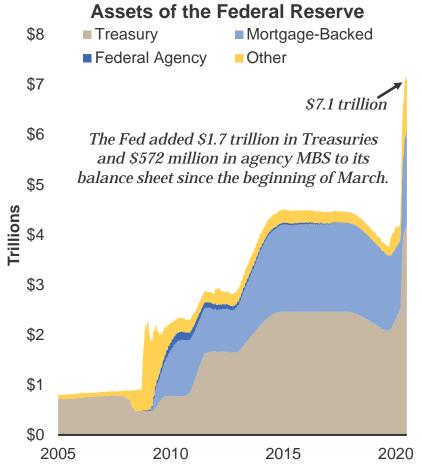
Fed Participants' Assessments of 'Appropriate' Monetary Policy



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 6/10/20.



#### Federal Reserve Has Provided \$3 Trillion in Monetary Stimulus

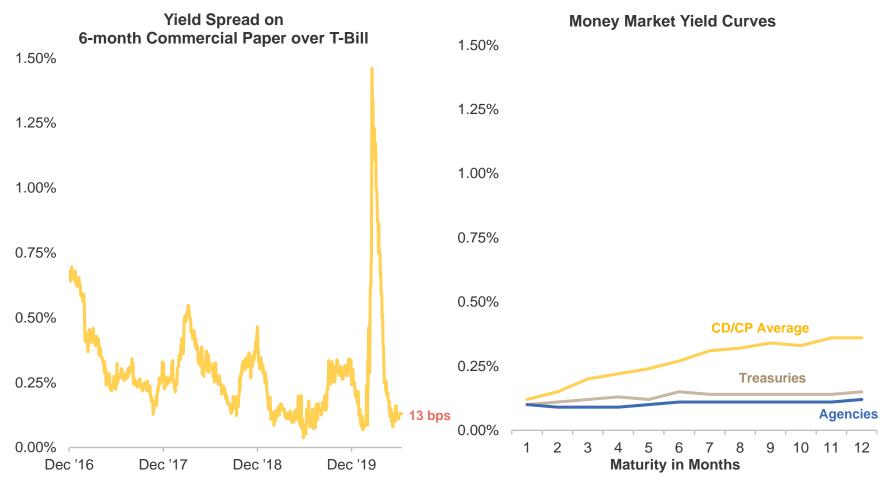


Source: Federal Reserve, as of 6/26/2020.

Amount Allocated to Fed's Liquidity Programs					
Fed Facility	Holdings (billions)				
Discount Window	\$7.1				
Primary Dealer Credit Facility	\$4.0				
Money Market Mutual Fund Liquidity Facility	\$23.5				
Commercial Paper Funding Facility	\$12.8				
Paycheck Protection Program Liquidity Facility	\$59.4				
Swap Lines	\$276.7				
Repurchase Agreements	\$73.1				
Municipal Liquidity Facility	\$16.1				
Main Street Lending Facility	\$32.7				
Primary Corporate Credit Facility	\$0.0				
Secondary Corporate Credit Facility	\$40.0				
Term Asset-Backed Securities Loan Facility	\$7.3				



#### Short-Term Credit Spreads Back to Pre-Coronavirus Levels



Sources: Bloomberg & PFM Trading Desk, as of 7/13/2020. 6-mo CP yield spread based on A1/P1 rated CP index (left). PFM Trading Desk, as of 7/13/2020 (right).

## **Portfolio Review**



#### **Current Assets Under Management**

Accounts	PFM-Managed Assets (as of 3/31/2020)*	PFM-Managed Assets (as of 6/30/2020)*
STL Airport Portfolio	\$117,723,349	\$118,164,598
STL Airport PFC Portfolio	\$15,256,430	\$15,320,036
STL City General Pool Portfolio	\$35,007,737	\$35,145,896
STL Water Revenue Portfolio	\$1,371,554	\$1,367,338
Total Assets	\$169,359,070	\$169,997,868
Accounts	CCGAM-Managed Assets (as of 3/31/2020)*	CCGAM-Managed Assets (as of 6/30/2020)*
Bond Proceeds Portfolios (30 active accounts)	\$119,791,021	\$123,706,946
Accounts	Assets Under Management (as of 3/31/2020)*	Assets Under Management (as of 6/30/2020)*
MOSIP	\$74,150,858	\$69,244,305
Accounts	Assets as of 3/31/2020*	Assets as of 6/30/2020*
Total Overall Assets	\$363,300,949	\$362,949,119

\* Fair Market Valuation. Includes cash but excludes accrued interest. As of June 30, 2020, the City's investments carried an unrealized gain on original cost of \$3,841,499 (unrealized gain on amortized cost of \$3,549,983).

#### **Summary of PFM Managed Accounts**

Manager	<u>Asset Size</u>	<u>Average Yield</u> <u>at Cost</u>	<u>Average Yield</u> <u>at Market</u>	<u>Average</u> <u>Duration</u>
PFM Asset Management LLC	\$169,997,868	1.48%	0.26%	1.49 Years
Comer Capital Group	\$123,706,946	1.39%	0.18%	0.86 Years
TOTAL	\$293,704,814	1.44%	0.23%	1.22 Years

Portfolio data as of June 30, 2020 and includes cash but excludes accrued interest. PFM currently manages 4 different operating accounts while CCG manages 30 different bond proceeds accounts, including 24 that contain investment securities.

PFM Asset Management LLC: Total Return Performance	<u>Q2 2020</u>	<u>1-Year</u>	<u>3-Year</u>	<u>5-Year</u>	<u>Since</u> Inception*
Airport General	0.42%	3.64%	2.61%	1.83%	1.40%
Airport PFC	0.42%	3.64%	2.60%	1.83%	1.39%
City General	0.42%	3.64%	2.60%	1.82%	1.38%
Custom Benchmark Index	0.09%	3.48%	2.48%	1.62%	1.23%

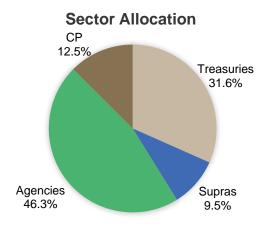
\* Performance calculations as of June 30, 2020. Performance inception date is June 30, 2013. On July 1, 2016, the benchmark for all the portfolios transitioned from the BoA/ML 1-Year U.S. Treasury Index benchmark to the current benchmark, which is the BoA/ML 0-3 Year U.S. Treasury benchmark.

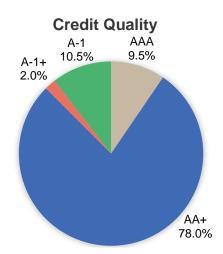


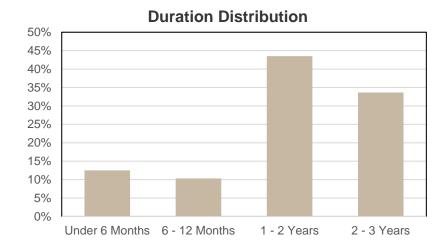
### City of St. Louis – Airport Portfolio Characteristics (as of 6/30/2020)

Invested Amount	\$118.165 million
Effective Duration	1.50 Years
Yield at Cost	1.48%
Yield at Market	0.28%

**Portfolio Statistics** 





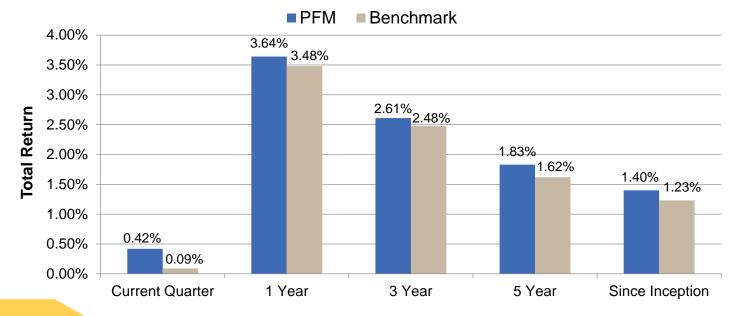


Sector allocation excludes cash balances. Credit quality uses S&P rating, or Moody's equivalent if not rated by S&P. Holdings as of June 30, 2020.



#### **Airport Portfolio Performance (Total Return)**

					Annualized Return		
Portfolio/Benchmark	Effective Duration	Quarter Ended 6/30/20	1 Year	3 Year	5 Year	Since Inception (6/30/2013)	
Airport Portfolio	1.50	0.42%	3.64%	2.61%	1.83%	1.40%	
Custom Benchmark Index	1.39	0.09%	3.48%	2.48%	1.62%	1.23%	
Excess Return		0.33%	0.16%	0.13%	0.21%	0.17%	

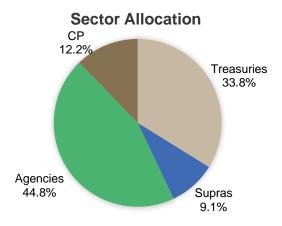


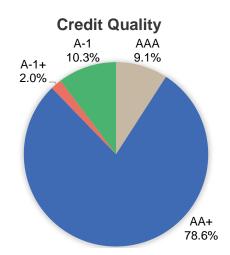


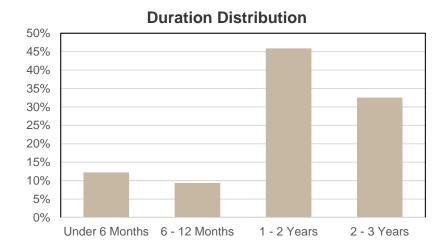
### City of St. Louis – Airport PFC Portfolio Characteristics (as of 6/30/2020)

Invested Amount	\$15.320 million
Effective Duration	1.50 Years
Yield at Cost	1.47%
Yield at Market	0.27%

**Portfolio Statistics** 





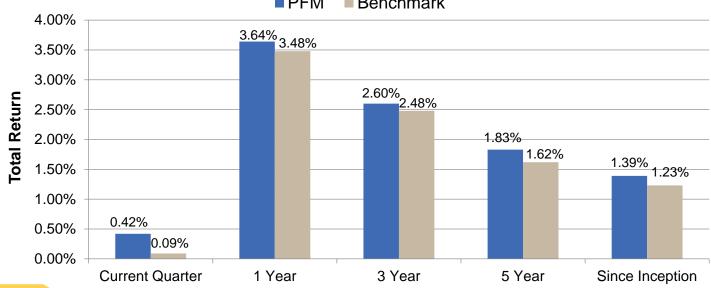


Sector allocation excludes cash balances. Credit quality uses S&P rating, or Moody's equivalent if not rated by S&P. Holdings as of June 30, 2020.



#### **Airport PFC Portfolio Performance (Total Return)**

					Annua	ualized Return	
Portfolio/Benchmark	Effective Duration	Quarter Ended 6/30/20	1 Year	3 Year	5 Year	Since Inception (6/30/2013)	
Airport PFC Portfolio	1.50	0.42%	3.64%	2.60%	1.83%	1.39%	
Custom Benchmark Index	1.39	0.09%	3.48%	2.48%	1.62%	1.23%	
Excess Return		0.33%	0.16%	0.12%	0.21%	0.16%	



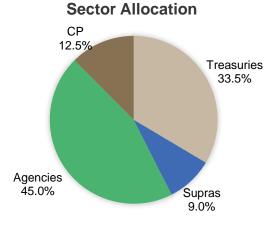
■ PFM Benchmark

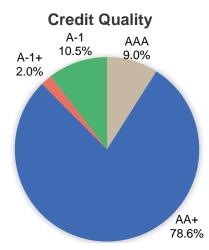


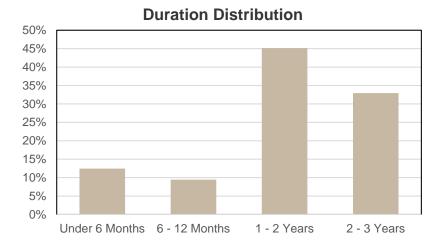
### City of St. Louis – General Pool Portfolio Characteristics (as of 6/30/2020)

Invested Amount	\$35.146 million
Effective Duration	1.50 Years
Yield at Cost	1.47%
Yield at Market	0.27%

#### **Portfolio Statistics**





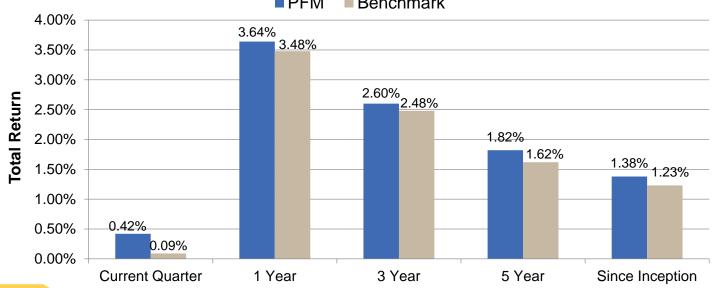


Sector allocation excludes cash balances. Credit quality uses S&P rating, or Moody's equivalent if not rated by S&P. Holdings as of June 30, 2020.



#### **General Pool Portfolio Performance (Total Return)**

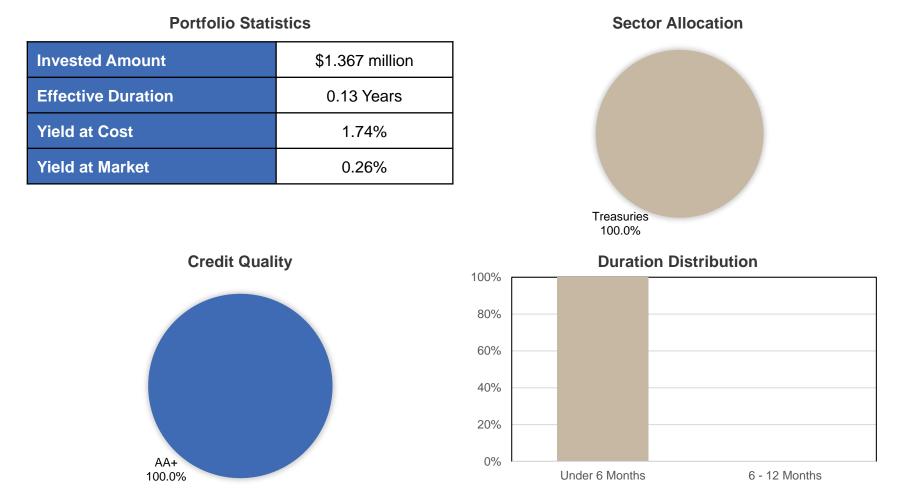
					Annua	alized Return
Portfolio/Benchmark	Effective Duration	Quarter Ended 6/30/20	1 Year	3 Year	5 Year	Since Inception (6/30/2013)
General Pool Portfolio	1.50	0.42%	3.64%	2.60%	1.82%	1.38%
Custom Benchmark Index	1.39	0.09%	3.48%	2.48%	1.62%	1.23%
Excess Return		0.33%	0.16%	0.12%	0.20%	0.15%



■ PFM Benchmark



#### City of St. Louis – Water Revenue Portfolio Characteristics (as of 6/30/2020)



Sector allocation excludes cash balances. Credit quality uses S&P rating, or Moody's equivalent if not rated by S&P. Holdings as of June 30, 2020.



#### City of St. Louis Gross Earnings Summary (Accrual Basis)

PFM Managed Accounts	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
STL Airport Portfolio	\$210,670	\$470,332	\$797,851	\$1,357,557	\$1,641,528	\$2,308,063	\$3,015,053
STL Airport PFC Portfolio	\$32,759	\$72,414	\$111,548	\$150,468	\$183,171	\$282,110	\$382,128
STL City General Portfolio	\$22,309	\$29,934	\$72,215	\$299,218	\$433,147	\$658,018	\$878,846
STL Non-Discretionary General Pool Portfolio	\$0	\$32,948	\$46,879	\$28,889	\$0	\$0	\$0
STL Water Revenue Portfolio	\$0	\$4,807	\$84,681	\$156,996	\$253,367	\$256,111	\$28,562
<u>TOTAL</u>	<u>\$265,739</u>	<u>\$610,435</u>	<u>\$1,113,174</u>	<u>\$1,993,127</u>	<u>\$2,511,212</u>	<u>\$3,504,302</u>	<u>\$4,304,589</u>
CCG Managed Accounts	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Bond Proceeds Portfolios	\$1,892,161	\$1,921,048	\$1,846,146	\$1,859,593	\$2,667,793	\$3,500,424	\$2,406,285
MOSIP Accounts	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
MOSIP	\$0	\$9,064	\$57,130	\$160,246	\$187,139	\$1,114,852	\$871,098
Aggregate Portfolios	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Total Accounts	\$2,157,899	\$2,540,547	\$3,016,451	\$4,012,966	\$5,366,144	\$8,119,577	\$7,581,972

#### Total Gross Earnings Since April of 2013 = \$33,063,808

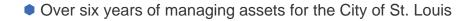
\* Inception: April 2013

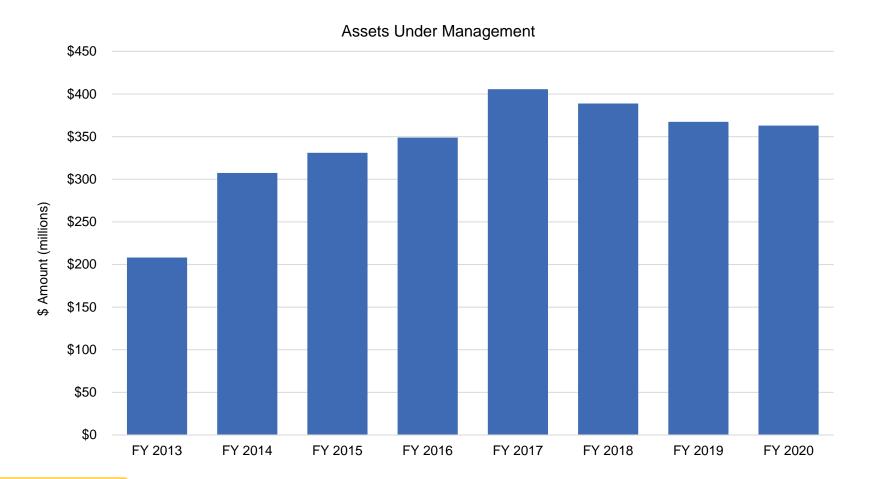


#### **City of St. Louis Earnings Summary**



#### **Relationship Overview**





## **MOSIP** Accounts



### City of St. Louis MOSIP Account Summary (as of 6/30/2020)

MOSIP Account	MOSIP Liquid Series	MOSIP TERM Series	MOSIP CD Program	Total
General Fund	\$40,195,969	\$20,000,000	\$0	\$60,195,969
Water ORD #1	\$230	\$957,000	\$0	\$957,230
Water ORD #2	\$143	\$957,000	\$0	\$957,143
Parking Division	\$1,113,993	\$0	\$0	\$1,113,993
Water – General	\$6,001,910	\$0	\$0	\$6,001,910
TRANS Fund	\$18,060	\$0	\$0	\$18,060
<u>Total</u>	<u>\$47,330,305</u>	<u>\$21,914,000</u>	<u>\$0</u>	<u>\$69,244,305</u>

Account	Investment Type	How to Liquidate	Comments
MOSIP Liquid Series	Daily liquidity	For liquidation requests, call the MOSIP program at 1-800-891-7910 or call our Client Services Group at 1-877- MY-MOSIP (1-877-696-6747)	Requests must be reported to the MOSIP program by 1:00pm central time for same day initiation
MOSIP TERM Series	Fixed-rate term investment that should be held to maturity with a penalty for breaking prior to maturity	For liquidation and/or to transfer funds upon maturity, call the MOSIP program at 1-800-891-7910 or our Client Services Group at 1-877-MY-MOSIP (1-877-696-6747)	Requests must be reported to the MOSIP program by 1:00pm central time for same day initiation



#### MOSIP TER<u>M & CD Rate Sheet</u>



#### Missouri Securities Investment Program (MOSIP) Rates July 21, 2020

MISSOURI SECURITIES INVESTMENT PROGRAM

	OSIP Term Rates ed Rate/Fixed Te	·	Direct Purch MOSIP Fixed	sset Managemo ase of Certifica Income Investn DIC-Insured CD	tes of Deposit nent Program <sup>(1)</sup>
<u>Maturity</u>	Date	Net Rate	Maturity	Date	Net Rate
60 Days	September	0.07%	180 Days	January	0.30%
90 Days	October	0.10%	270 Days	April	0.30%
120 Days	November	0.13%	365 Days	July	0.25%
150 Days	December	0.15%	730 Days	July	0.45%
180 Days	January	0.17%	**Subject to availability. E value of the CD (including i		n amount such that the tota
210 Days	February	0.09%		xisting deposits with that	financial institution. Other
240 Days	March	0.09%		maturities available.	
270 Days	April	0.09%	cu	RRENT 7-Day YIE	LD <sup>(2)</sup>
300 Days	May	0.09%			
330 Days	June	0.09%	MOSIP Liqu	id Series	0.17%
365 Days	July	0.10%	· · ·		

\* We request you contact our Client Services Group for the most current fixed-rate investment options.

#### Call Toll-Free 1-877-MY-MOSIP (1-877-696-6747)

#### Press 3 for MOSIP Term and MOSIP Fixed Income Investments

#### www.mosip.org

- 1. MOSIP TERM Series and MOSIP Fixed Income Investment Program rates are market rates, subject to change and the rates shown are net of applicable advisory fees and other expenses. They are quoted on an actual day basis, interest is simple and payable at maturity. Actual rates, availability, and minimum investment amounts may vary at the time of purchase and are subject to change. Once you place an investment, the rate is fixed for the full term of your investment and there may be a penalty for early redemption. The minimum investment for MOSIP TERM Series is \$1,000,000. The minimum investment for purchasing Certificates of Deposit in the MOSIP Fixed Income Investment Program is \$\$5,000; the maximum investment is an amount such that the total value of the CD (including interest) will not exceed the applicable FDIC insurance limits per institution. Certificates of Deposit can be purchased through the MOSIP Fixed Income Investment Program are not issued, guaranteed or insured by the Fund or the Investment Adviser for MOSIP (the "Fund"). Certificates of Deposit purchased through the MOSIP Fixed Income Investment Program are not issued, guaranteed or insured by the Fund or the Investment Adviser or any of its affiliates. A description of MOSIP TERM Series and the MOSIP Fixed Income Investment Program are not issued, guaranteed or insured by the Fund or the Investment Adviser or any of its affiliates. A description of MOSIP TERM Series and the MOSIP Fixed Income Investment Program are not ashould be read carefully before investing. Past performance is not indicative of future results.
- 2. The MOSIP Liquid Series rate represents the current seven-day SEC yield as of the date indicated. The current seven-day yield, also referred to as the current annualized yield, represents the net change, exclusive of capital changes and income other than investment income, in the value of a hypothetical account with a balance of one share (normally \$1.00 per share) over a seven-day base period expressed as a percentage of the value of one share at the beginning of the seven-day period. This resulting net change in account value is then annualized by multiplying it by 365 and dividing the result by 7. Past performance is not indicative of future results and yields may vary. The yield shown above may reflect fee waivers by service providers that subsidize and reduce the total operating expenses of the Fund. Fund yields would be lower if there were no such waivers.

## **Appendix: Portfolio Summaries**



### **Summary of Managed Accounts**

Account Summary Report for: CITY OF ST LOUIS As of 6/30/2020								
Portfolio Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Yield at Cost	Yield to Maturity	Duration to Worst
81670100	CITY OF ST. LOUIS-AIRPORT PORTFOLIO	116,155,000.00	118,029,951.14	429,219.58	118,459,170.72	1.48	0.26	0.00
81670200	CITY OF ST. LOUIS-AIRPORT PFC PORTFOLIO	15,070,000.00	15,307,533.25	54,653.95	15,362,187.20	1.47	0.26	0.00
81670300	CITY OF ST. LOUIS-GENERAL POOL PORTFOLIO	34,550,000.00	35,094,628.80	124,321.79	35,218,950.59	1.47	0.26	0.00
81670400	CITY OF ST. LOUIS-WATER REVENUE PORT	1,350,000.00	1,352,109.38	7,621.57	1,359,730.95	1.74	0.26	0.00
Total		167,125,000.00	169,784,222.57	615,816.89	170,400,039.46			

Account Summary Report for: CITY OF ST LOUIS-BNY As of 6/30/2020							2020	
Portfolio Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Yield at Cost	Yield to Maturity	Duration to Worst
81690100	MFC CCC IMPROVEMENT PROJECT 2009A DSR	750,000.00	759,895.32	33.58	759,928.90	1.99	0.19	0.00
81690105	MFC CCC IMPROVE PRJ 2010A BOND RESERVE	2,450,000.00	2,485,218.75	108.19	2,485,326.94	1.88	0.19	0.00
81690110	MFC CCC IMPROVEMENT 2015 DSR	2,365,000.00	2,392,762.51	107.66	2,392,870.17	2.12	0.19	0.00
Total		5,565,000.00	5,637,876.58	249.43	5,638,126.01			

Account Summary Report for: CITY OF ST. LOUIS- COMER MANAGED As of 6/30/2020								
Portfolio Number	Portfolio Description	Par Value	Market Value	Accrued Interest	Total Value	Yield at Cost	Yield to Maturity	Duration to Worst
81700500	STL CITY PARKS SERIES 2014 PROJECT FUND	495,000.00	501,262.51	22.30	501,284.81	2.04	0.19	0.00
81700510	STL CITY PARKS SERIES 2014 DSR	780,000.00	788,653.13	35.77	788,688.90	2.18	0.19	0.00
Total		1,275,000.00	1,289,915.64	58.07	1,289,973.71			



## Summary of Managed Accounts

Account Sum	nmary Report for: CITY OF ST LOUIS- UMB MANAGED					As of 6/30/2	2020	
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	1,810,000.00	1,829,796.88	116.81	1,829,913.69	2.84	0.19	0.00
81680009	STL LAMBERT FLD-ARPT REV BND SERIES 2012	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680015	ST LOUIS LAMBERT FIELD 2012 DSR	2,345,000.00	2,373,725.01	133.10	2,373,858.11	2.47	0.19	0.00
81680016	ST LOUIS LAMBERT FIELD 2015 DSR	1,970,000.00	1,991,546.88	127.14	1,991,674.02	2.84	0.19	0.00
81680017	ST LOUIS LAMBERT FLD 2015 DEBT SERVICE	1,717,000.00	1,716,994.28	0.00	1,716,994.28	5.33	0.12	0.00
81680018	ST LOUIS LAMBERT FIELD 2017 C & D DSR	3,750,000.00	3,803,906.25	165.59	3,804,071.84	1.86	0.19	0.00
81680019	ST LOUIS LAMBERT FLD 17C CONSTRUCTION BD	10,995,000.00	11,206,075.24	578.89	11,206,654.13	1.84	0.18	0.00
81680020	ST LOUIS LAMBERT FLD 17D CONSTRUCTION BD	9,115,000.00	9,285,772.04	477.51	9,286,249.55	1.85	0.18	0.00
81680022	ST LOUIS LAMBERT FIELD SER 2019A CONS FD	1,090,000.00	1,119,804.74	59.24	1,119,863.98	1.51	0.17	0.00
81680023	ST LOUIS LAMBERT FIELD SER 2019B CONS FD	690,000.00	708,867.22	37.50	708,904.72	1.51	0.17	0.00
81680100	CITY OF ST LOUIS FIRE DEBT ACCOUNT	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680112	ST LOUIS AIRPORT 2005 REFUNDED	1,249,000.00	1,248,995.84	0.00	1,248,995.84	5.33	0.12	0.00
81680113	ST LOUIS AIRPORT 2007A	0.00	0.00	0.00	0.00	n/a	n/a	n/a
81680121	ST LOUIS CARNAHAN COURTHOUSE 2016A DSR	2,046,000.00	2,045,678.78	0.00	2,045,678.78	5.88	0.12	0.00
81680205	STL MFC REC CENTER BONDS SERIES 2016 DSR	1,590,000.00	1,623,750.04	78.77	1,623,828.81	1.68	0.18	0.00
81680300	STL PARKING TRUST PARKING	1,897,000.00	1,917,748.44	122.43	1,917,870.87	2.84	0.19	0.00
81680301	STL PARKING TRUST GENERAL	1,471,000.00	1,487,089.06	94.94	1,487,184.00	2.84	0.19	0.00
81680302	STL PARKING REPAIR AND REPLACE	990,000.00	1,008,028.15	54.76	1,008,082.91	1.94	0.18	0.00
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	315,000.00	318,703.13	18.80	318,721.93	2.61	0.19	0.00
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	3,210,000.00	3,268,221.94	184.63	3,268,406.57	1.99	0.18	0.00
81680352	STL FOREST PK CAP LEASE IMPROVE 2015 DSR	825,000.00	834,160.94	52.43	834,213.37	2.79	0.19	0.00
81680407	STL GRAND CTR REDEVELOP PROJ 2011B DSR	1,620,000.00	1,637,718.75	104.55	1,637,823.30	2.84	0.19	0.00
Total		48,695,000.00	49,426,583.61	2,407.09	49,428,990.70			



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# **Thank You!**



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