



STAR OHIO

ANNUAL REPORT 2018



JOSH MANDEL
STATE TREASURER OF OHIO



JOSH MANDEL
STATE TREASURER OF OHIO

Dear Public Funds Managers,

I am pleased to present the State Treasury Asset Reserve of Ohio (STAR Ohio) annual report for the fiscal year ending June 30, 2018. As Ohio Treasurer and the STAR Ohio fund administrator, I am dedicated to managing the State's finances as well as protecting and investing taxpayer dollars.

STAR Ohio provides governmental subdivisions with an investment option that offers safety and liquidity at competitive returns relative to other money market instruments. With over 2,450 accounts, STAR Ohio strategically invests funds while preserving principal. The Fund maintains a 'AAAm' rating, first achieved in 1995, which is Standard & Poor's highest possible credit rating for a Local Government Investment Pool.

My office continuously works to improve the overall STAR Ohio program, and we take pride in providing convenient investment options for our state's local governments. Another investment option for local governments, STAR Plus offers participants the benefit of full FDIC insurance coverage for deposits.

We value your feedback and invite you to share your ideas on ways that STAR Ohio and the Treasurer's office might better serve you and your constituents' needs.

For questions about STAR Ohio, please contact us via email at info@starohio.com or by phone at **1-800-648-STAR (7827)**.

Sincerely,

A handwritten signature in blue ink that reads "Josh Mandel".

Josh Mandel
State Treasurer of Ohio

BACKGROUND

The State Treasury Asset Reserve of Ohio ("STAR Ohio" or the "Fund") is a statewide investment pool ("Pool") managed and administered by the State Treasurer of Ohio (the "Treasurer"). Participation is offered to Ohio's political subdivisions as a means to invest in a portfolio of short-term investment securities. The objectives of STAR Ohio are the preservation of capital, the maintenance of liquidity, and providing current income. STAR Ohio is similar in concept to a registered investment company, commonly called a "money market mutual fund". Our discussion and analysis below is based upon currently known facts and conditions that we judge to have had a material effect on STAR Ohio's financial condition and results of operations.

The Treasurer is committed to maintaining STAR Ohio as a top-rated investment option for all government subdivisions of the State. As such, the level of safety in the Fund is attributed to the constant monitoring of credit ratings for issuers of investments held by STAR Ohio. An additional level of safety is the custodial arrangement requiring the Fund's assets be held in a specific trust account at the Depository Trust & Clearing Corporation designated for STAR Ohio. Both measures ensure that the underlying assets of STAR Ohio are highly rated, secure, and readily available to the Fund.

OVERVIEW OF FINANCIAL CONDITION

STAR Ohio's net position increased by approximately \$1.0 billion, or 10.8%, during the fiscal year ended June 30, 2018, due to net subscriptions. As the economy continues to stabilize and interest rates remain relatively low, STAR Ohio's objectives of safety and liquidity have made the Fund a valuable investment vehicle for Ohio's public fund managers. STAR Ohio maintains its AAAM rating from Standard and Poor's, the highest rating possible for a Local Government Investment Pool.

OVERVIEW OF OPERATIONS

The Federal Funds' target rate ranged between 100 and 200 basis points (1.00% - 2.00%) during STAR Ohio's Fiscal Year 2018. STAR Ohio's average yield for Fiscal Year 2018 was 1.45%. For the fiscal year ended June 30, 2018, the advisor was paid a management fee in the amount of \$2,000,000. As of June 30, 2018, STAR Ohio held approximately 39% of its portfolio in overnight investments, which included approximately 4% in collateralized bank deposits.

STATE TREASURY ASSET RESERVE OF OHIO

FINANCIAL HIGHLIGHTS Data for each share outstanding throughout the year

	Year ended June 30,	
	2018	2017
Net asset value, beginning of year	\$ 1.00	\$ 1.00
Net investment income	0.0145	0.0077
Distributions from net investment income	(0.0145)	(0.0077)
Net asset value, end of year	\$ 1.00	\$ 1.00
Total Return	1.45%	0.77%
Ratio/Supplemental Information		
Expenses as a percentage of average net assets after reductions (1)	0.062%	0.081%
Expenses as a percentage of average net assets before reductions (1)	0.062%	0.081%
Net investment income as a percentage of average net assets (1)	1.46%	0.78%
Net position, end of year	\$10,403,623,380	\$ 9,389,305,693

(1) These percentages should not be construed as representative of the yield or expenses related to further investment in STAR Ohio.

See Accompanying Notes to Financial Statements

STATE TREASURY ASSET RESERVE OF OHIO
STATEMENT OF INVESTMENTS AS OF JUNE 30, 2018

Principal Amount/ Shares		Maturity Date	Amortized Cost (Note C)
Federal Agency Issues and U.S. Treasury Obligations - 14.4%			
\$ 525,000,000	Federal Farm Credit Bank Floating Rate Notes, 1.87% - 2.20%	8/6/18 - 3/26/20	\$ 524,881,888
700,000,000	Federal Home Loan Bank Discount Notes, 1.83% - 1.91%	7/2/18 - 8/14/18	699,247,764
100,000,000	Federal Home Loan Bank Floating Rate Notes, 1.84% - 2.05%	7/12/18 - 4/1/19	100,000,113
2,740,000	Federal Home Loan Mortgage Corp. Callable Debentures, 2.15%	11/28/18	2,727,055
150,000,000	Tennessee Valley Authority Discount Notes, 1.88%	7/10/18	149,929,500
15,000,000	U.S. Treasury Notes, 1.89%	1/31/19	14,932,939
10,000,000	U.S. Treasury Floating Rate Notes, 1.93%	4/30/20	10,002,312
Total Federal Agency Issues and U.S. Treasury Obligations			\$ 1,501,721,571
Commercial Paper - 41.1%			
\$ 144,734,000	American Honda Finance Corporation, 2.01% - 2.22%	7/19/18 - 9/18/18	\$ 144,319,451
245,000,000	Bank of Tokyo - Mitsubishi UFJ - NY, 1.67% - 2.59%	7/6/18 - 12/14/18	243,807,450
174,750,000	Canadian Imperial Holdings, 1.82% - 2.27%	7/16/18 - 10/22/18	173,895,650
175,900,000	Caterpillar Financial Services Corp., 1.99% - 2.31%	7/3/18 - 9/20/18	175,559,362
395,000,000	Credit Agricole Corporate and Investment Bank - NY, 1.69% - 2.42%	7/6/18 - 11/15/18	393,526,368
274,300,000	Credit Suisse AG - NY, 1.71% - 2.52%	7/6/18 - 12/4/18	272,726,025
180,000,000	Dexia Credit Local SA - NY, 1.64% - 2.42%	7/5/18 - 12/21/18	179,466,722
325,000,000	Exxon Mobile Corp, 1.90% - 2.00%	7/9/18 - 9/4/18	324,379,339
309,000,000	ING Funding, LLC, 1.64% - 2.42%	7/5/18 - 12/17/18	307,655,289
415,000,000	JPMorgan Securities, LLC, 1.65% - 2.60%	7/2/18 - 12/18/18	412,597,303
20,000,000	MetLife Funding, Inc., 1.98%	8/15/18	19,950,750
120,000,000	MUFG Union Bank, N.A., 2.25% - 2.50%	7/3/18 - 11/27/18	119,342,133
20,000,000	National Rural Utilities Cooperative Finance Corp., 1.98%	7/20/18	19,979,100

Principal Amount/ Shares		Maturity Date	Amortized Cost (Note C)
\$ 405,000,000	Natixis SA - NY, 1.83% - 2.48%	7/11/18 - 12/18/18	\$ 403,822,103
103,580,000	PACCAR Financial Corp., 1.94% - 2.16%	7/2/18 - 9/18/18	103,386,328
255,000,000	Rabobank USA Financial Corporation, 1.93% - 2.38%	8/2/18 - 11/13/18	254,577,054
385,000,000	Toyota Motor Credit Corporation, 1.68% - 2.42%	7/13/18 - 12/14/18	384,616,772
337,696,387	U.S. Bank NA, 1.90%	7/2/18	337,696,387
Total Commercial Paper			\$ 4,271,303,586
Corporate Bonds - 9.9%			
\$ 7,066,000	3M Company, 2.54%	6/15/19	\$ 7,004,876
47,913,000	American Honda Finance Corporation, 2.37% - 2.41%	11/19/18 - 2/22/19	47,826,681
60,530,000	Apple Inc, 2.09% - 2.45	2/8/19 - 5/6/19	60,369,583
27,426,000	Bank of America, NA, 2.10%	12/7/18	27,419,843
31,795,000	Berkshire Hathaway, Inc, 1.40% - 2.34%	8/15/18 - 3/15/19	31,702,128
9,870,000	Caterpillar Financial Services Corp, 2.59%	5/18/19	9,763,755
38,883,000	Chevron Corp, 2.34% - 2.50%	2/28/19 - 5/16/19	38,605,155
52,205,000	Cisco Systems, Inc, 2.27% - 2.35%	2/15/19 - 3/1/19	52,252,644
40,075,000	Citibank, N.A., 2.44% - 2.57%	11/9/18 - 3/20/19	39,991,344
38,867,000	Coca-Cola Company, 1.94% - 2.46%	11/1/18 - 5/30/19	38,556,508
7,000,000	Colgate-Palmolive Company, 2.09%	3/15/19	6,983,418
3,079,000	Eli Lilly & Company, 2.45%	3/15/19	3,068,236
22,081,000	Exxon Mobil Corporation, 2.17% - 2.38%	3/1/19 - 3/15/19	22,011,266
8,137,000	General Electric Company, 2.46%	8/7/18	8,138,365
70,115,000	HSBC USA, Inc., 1.66% - 2.76%	8/7/18 - 6/23/19	70,093,430
35,750,000	IBM Corporation, 2.32% - 2.49%	2/12/19 - 5/17/19	35,633,026
53,939,000	John Deere Capital Corp, 2.09% - 2.46%	10/15/18 - 7/5/19	53,899,218
5,000,000	JPMorgan Securities, LLC, 2.42%	9/21/18	5,004,209
27,365,000	Microsoft Corporation, 1.71% - 2.50%	11/3/18 - 6/1/19	27,449,810
51,369,000	MUFG Union Bank, N.A., 1.97% - 2.64%	9/26/18 - 5/6/19	51,350,504
43,219,000	National Rural Utilities Cooperative Finance Corp, 2.31% - 2.40%	2/1/19 - 4/5/19	43,086,627
12,776,000	Paccar Financial Corporation, 2.33% - 2.49%	12/6/18 - 5/10/19	12,715,308
53,209,000	Pepsico, Inc, 2.11% - 2.39%	10/15/18 - 5/2/19	53,038,672

Principal Amount/ Shares		Maturity Date	Amortized Cost (Note C)
\$ 13,280,000	Pfizer Inc, 2.52% - 2.54%	5/15/19 - 6/3/19	\$ 13,180,346
132,882,000	PNC Bank NA, 2.07% - 2.69%	11/5/18 - 7/2/19	132,648,614
23,974,000	Toyota Motor Credit Corp, 2.03% - 2.22%	1/9/19 - 1/17/19	23,948,142
17,698,000	US Bancorp, 2.55%	4/25/19	17,647,879
29,936,000	US Bank, N.A., 2.41% - 2.56%	11/15/18 - 4/26/19	29,688,035
72,197,000	Walt Disney Company, 2.31% - 2.59%	1/8/19 - 7/12/19	71,573,700
Total Corporate Bonds			\$ 1,034,651,322
Municipal Bonds - 0.3%			
\$ 2,120,000	Massachusetts State Health & Educational Facilities Authority, 2.06%	10/1/34	\$ 2,120,000
8,365,000	Michigan State Finance Authority, 1.97%	9/1/50	8,365,000
23,985,000	Triborough Bridge & Tunnel Authority, NY, 2.03%	11/15/28 - 11/15/32	23,985,000
Total Municipal Bonds			\$ 34,470,000
Bank Deposits* - 3.9%			
\$ 404,826,710	Citizens Bank, 2.00%	7/2/18	\$ 404,826,710
2,516,097	Federally Insured Cash Account (FICAsm)/ STAR Plus, 1.95%	7/2/18	2,516,097
Total Bank Deposits			\$ 407,342,807
Money Market Funds* - 22.1%			
\$ 977,317,667	Federated Institutional Prime Value Obligations Fund, 2.03%	7/2/18	\$ 977,421,845
977,819,198	Fidelity Institutional Prime Money Market Portfolio, 2.03%	7/2/18	978,178,079
334,962,079	Goldman Sachs Financial Square Government Fund, 1.81%	7/2/18	334,962,079
2,789,191	Invesco Government & Agency Portfolio - Institutional, 1.79%	7/2/18	2,789,191
Total Money Market Funds			\$ 2,293,351,194

Principal Amount/ Shares	Maturity Date	Amortized Cost (Note C)
Repurchase Agreements - 8.2%		
\$ 300,000,000	Bank of Nova Scotia, 2.12%, dated 6/29/18, repurchase price \$300,053,000, collateralized by various GNMMAs, FNMMAs, and FMACs, 2.50% - 5.00%, due 11/1/24 - 5/1/48, par \$458,272,027 and fair value of \$306,000,000.	7/2/18 \$ 300,000,000
100,000,000	Credit Agricole, 2.12%, dated 6/29/18, repurchase price \$100,017,667, collateralized by US Treasury Note, 3.625%, due 2/15/21, par \$98,182,000 and fair value of \$102,000,053.	7/2/18 100,000,000
300,000,000	HSBC Securities, Inc., 2.10%, dated 6/29/18, repurchase price \$300,052,500, collateralized by various SLMAs, US Treasury TIPS, and US Treasury Strips, 0.00% - 3.75%, due 7/15/19 - 5/15/46, par \$498,877,800 and fair value of \$306,111,986.	7/2/18 300,000,000
150,000,000	Mizuho Securities, 2.06%, dated 6/29/18, repurchase price \$150,025,750, collateralized by various GNMMAs, FNMMAs, and FMACs, 4.50% - 6.50%, due 9/1/39 - 6/1/48, par \$146,079,073 and fair value of \$153,000,001.	7/2/18 150,000,000
Total Repurchase Agreements		\$ 850,000,000
Total Investments - 99.9%		\$10,392,840,480
Assets in excess of other Liabilities - 0.1%		\$ 10,782,900
Net Position - 100% —equivalent to \$1.00 per share for 10,403,623,380 outstanding shares of the Pool		\$10,403,623,380

* Money Market Funds and Bank Deposits: The yield shown represents the rate at June 30, 2018.

See Accompanying Notes to Financial Statements

STATE TREASURY ASSET RESERVE OF OHIO

STATEMENT OF ASSETS AND LIABILITIES AS OF JUNE 30, 2018

Assets

Investments	
Federal Agency Issues and U.S. Treasury Obligations	\$ 1,501,721,571
Commercial Paper	4,271,303,586
Corporate Bonds	1,034,651,322
Municipal Bonds	34,470,000
Money Market Funds	2,293,351,194
Repurchase Agreements	850,000,000
Bank Deposits	407,342,807
Total Investments	10,392,840,480
Receivable for Fund Shares Issued	504,880
Interest Receivable	11,743,764
Prepaid Expenses/Other Assets	29,523
Total Assets	\$10,405,118,647

Liabilities

Accrued Co-administrator Fees	\$ 102,431
Accrued Investment Consultant Fees	129,858
Accrued Audit Fees	40,086
Accrued Custodian and Transfer Agent Fees	69,684
Accrued Management Fees	164,384
Other Liabilities	39,255
Dividends Payable	949,569
Total Liabilities	1,495,267

Net Position

	\$10,403,623,380
Capital Shares Outstanding	10,403,623,380
Participant Net Asset Value, Price Per Unit	\$ 1.00

See Accompanying Notes to Financial Statements

STATE TREASURY ASSET RESERVE OF OHIO
STATEMENTS OF OPERATIONS

	Year ended June 30,	
	2018	2017
Investment Income		
Interest Income	\$ 144,432,127	\$ 59,324,523
Expenses		
Management Fees	2,000,000	2,068,953
Investment Consultant Fees	1,537,318	1,275,342
Co-administrator Fees	1,224,934	1,093,946
Custodian, Banking, and Transfer Agent Fees	823,463	751,472
Bloomberg and Pricing Fees	203,915	176,660
S & P Analytical Fees	45,000	45,000
Audit Fees	41,879	32,500
Communication and Technology Support Services Fees	21,900	21,900
Printing and Postage Fees	12,502	18,230
Net Expenses	5,910,911	5,484,003
Net Investment Income	\$ 138,521,216	\$ 53,840,520

See Accompanying Notes to Financial Statements

STATE TREASURY ASSET RESERVE OF OHIO
STATEMENTS OF CHANGES IN NET POSITION

	Year ended June 30,	
	2018	2017
Change in Net Position		
Operations		
Net Investment Income	\$ 138,521,216	\$ 53,840,520
Distributions to Shareholders from		
Net Investment Income	(138,521,216)	(53,840,520)
Capital Share Transactions Net Increase - Note F	1,014,317,687	3,622,616,988
Increase in Net Position	1,014,317,687	3,622,616,988
Net Position		
Beginning of Year	9,389,305,693	5,766,688,705
End of Year	\$10,403,623,380	\$ 9,389,305,693

See Accompanying Notes to Financial Statements

Independent Auditors' Report

To the Treasurer of the State of Ohio, Josh Mandel
State Treasury Asset Reserve of Ohio

Report on the Financial Statements

We have audited the accompanying statement of assets and liabilities, including the statement of investments, of State Treasury Asset Reserve of Ohio (STAR Ohio) as of and for the year ended June 30, 2018 and the related statements of operations and changes in net position, the financial highlights for each of the two years in the period then ended, and the related notes to the financial statements, which collectively comprise State Treasury Asset Reserve of Ohio's basic financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the basic financial statements referred to above present fairly, in all material respects, the financial position of State Treasury Asset Reserve of Ohio as of June 30, 2018 and the results of its operations, changes in net position, and financial highlights for each of the two years in the period then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on page 3 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, which considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise State Treasury Asset Reserve of Ohio's basic financial statements. The appendix is presented for the purpose of additional analysis and is not a required part of the basic financial statements.

The appendix has not been subjected to the auditing procedures applied in the audit of the basic financial statements and, accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by Government Auditing Standards

In accordance with Government Auditing Standards, we have also issued our report dated August 14, 2018 on our consideration of State Treasury Asset Reserve of Ohio's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, grant agreements, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with Government Auditing Standards in considering State Treasury Asset Reserve of Ohio's internal control over financial reporting and compliance.

Plante & Moran, PLLC

August 14, 2018

NOTE A - SUMMARY OF ORGANIZATION AND SIGNIFICANT ACCOUNTING POLICIES

Section 135.45 of the Ohio Revised Code permits the State's political subdivisions to pool their public funds into an investment fund managed by the State Treasurer of Ohio. The State Treasury Asset Reserve of Ohio (STAR Ohio) provides units of local government with an investment option for their public funds.

Participation is offered to Ohio political subdivisions as defined in Section 135.45(F)(2)(a) of the Ohio Revised Code. The investment objectives of STAR Ohio are the preservation of capital, maintenance of liquidity, and providing current income. There can be no guarantee that this will be achieved.

The State Treasurer of Ohio, Josh Mandel, through the Treasurer's Investment Department, 30 East Broad Street, 9th Floor, Columbus, Ohio 43215-3461, serves as investment advisor and administrator to STAR Ohio. The advisor manages the investment and reinvestment of STAR Ohio's assets in accordance with STAR Ohio's investment objectives and policies, subject to the general limitations of Section 135.143 of the Ohio Revised Code. In addition, an advisor is responsible for the overall management of STAR Ohio's business affairs. For the fiscal year ended June 30, 2018, STAR Ohio compensated the advisor with a management fee of \$2,000,000 per year.

Public Funds Administrators ("PFA"), Dublin, Ohio, is the co-administrator for STAR Ohio and provides certain clerical and administrative services for STAR Ohio. Compensation to the co-administrator is based on a percentage of daily net assets with a minimum annual fee of \$800,000.

Huntington National Bank, Columbus, Ohio, serves as custodian of STAR Ohio. Compensation to the custodian is based upon the month-end net asset value and is charged monthly in arrears.

Ultimus Fund Solutions, Cincinnati, Ohio, serves as the dividend and transfer agent for STAR Ohio. Compensation to the transfer agent is based on a percentage of daily net assets with a minimum annual fee of \$400,000.

United American Capital Corporation, Worthington, Ohio, is an investment consultant for STAR Ohio. Compensation is based on a percentage of daily net assets.

Meeder Asset Management, Inc., Dublin, Ohio, is an investment consultant for STAR Ohio. Compensation is based on a percentage of daily net assets.

STAR Ohio applies GASB Statement No. 72, *Fair Value Measurement and Application*. GASB Statement No. 72 provides guidance for determining a fair value measurement for reporting purposes and applying fair value to certain investments and disclosures related to all fair

value measurements. Since STAR Ohio qualifies for reporting at amortized cost under GASB Statement No. 79, the applicability of GASB Statement No. 72 is limited to the disclosures referenced within GASB Statement No. 79.

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, income and expenses, and disclosure of both contingent assets and liabilities. Actual results could differ from those estimates.

STAR Ohio is not registered with the Securities Exchange Commission (SEC) as an investment company, but has adopted Governmental Accounting Standards Board (“GASB”), Statement No. 79, *Accounting and Financial Reporting for Certain External Investment Pools and Pool Participants*, which establishes accounting and financial reporting standards for qualifying external investment pools that elect to measure for financial reporting purposes all of their investments at amortized cost. This Statement also establishes accounting and financial reporting standards for state and local governments that participate in a qualifying external investment pool that measures for financial reporting purposes all of its investments at amortized cost. This Statement applies to all state and local governments. This Statement amends GASB Statement No. 31, *Accounting and Financial Reporting for Certain Investments and for External Investments Pools*, and GASB Statement No. 59, *Financial Instruments Omnibus*. For the fiscal year ended June 30, 2018, there were no limitations or restrictions on any participant withdrawals due to redemption notice periods, liquidity fees, or redemptions gates. However, twenty-four hours advance notice to PFA is appreciated for deposits and withdrawals of \$25 million or more. STAR Ohio reserves the right to limit the transactions to \$100 million per day, requiring the excess amount to be transacted the following business day(s), but only to the \$100 million limit. All accounts of the participant will be combined for these purposes.

NOTE B – FAIR VALUE MEASUREMENT

STAR Ohio’s investments on the statement of assets and liabilities are presented at amortized cost, in accordance with GASB Statement No. 79. Information regarding the fair value of investments held by STAR Ohio is presented below in accordance with GASB Statement No. 72.

STAR Ohio categorizes the fair value measurements within the fair value hierarchy established by Generally Accepted Accounting Principles (“GAAP”). The hierarchy is based on the valuation inputs used to measure the fair value of the asset. Level 1 inputs are quoted prices in active markets for identical assets; Level 2 inputs are significant other observable inputs; Level 3 inputs are significant unobservable inputs. Investments that are measured at fair value using the net asset value per share (or its equivalent) as a practical expedient are not classified in the fair value hierarchy below.

In instances where inputs used to measure fair value fall into different levels in the below fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. STAR Ohio’s assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset or liability.

A description of the valuation techniques applied to STAR Ohio's major categories of assets when measured at fair value follows:

Investments in registered open-end investment companies, including money market funds, are valued at the daily redemption value as reported by the underlying fund and are categorized in level 1 of the fair value hierarchy.

Short-term notes (including Federal agency issues, U.S. Government agency obligations, U.S. Treasury obligations, commercial paper, corporate obligations, and municipal bonds) - Short-term notes held in STAR Ohio are valued using fair valuation methodologies that incorporate market inputs such as benchmark yields, reported trades, broker/dealer quotes, issuer spreads, two-sided markets, benchmark securities, bids, and offers. Market indicators and industry and economic events are also monitored, which could require the need to acquire further market data. The fair value of these securities is determined primarily based on these level 2 inputs and are categorized as such.

For the period ended June 30, 2018, STAR Ohio did not hold any assets at any time in which significant unobservable inputs were used in determining fair value. Therefore, there are no level 3 securities. The following table summarizes the inputs used to value STAR Ohio's assets when measured at fair value as of June 30, 2018.

Investments by Fair Value Level	Fair Value at June 30, 2018	Level 1	Level 2	Level 3	Value at Amortized Cost
Federal Agency Issues and U.S. Treasury Obligations	\$1,501,396,307	\$ —	\$1,501,396,307	\$ —	\$1,501,721,571
Commercial Paper	4,270,918,114	—	4,270,918,114	—	4,271,303,586
Corporate Bonds	1,033,062,696	—	1,033,062,696	—	1,034,651,322
Municipal Bonds	34,470,000	—	34,470,000	—	34,470,000
Money Market Funds	2,293,474,725	2,293,474,725	—	—	2,293,351,194
Repurchase Agreements	850,000,000	—	850,000,000	—	850,000,000
Totals	\$9,983,321,842	\$2,293,474,725	\$7,689,847,117	\$ —	\$9,985,497,673

As of June 30, 2018, STAR Ohio invested in bank deposits in the amount of \$407,342,807, which are not included in the table above. Total investments on the statement of assets and liabilities totaled \$10,392,840,480.

NOTE C – INVESTMENT SECURITIES

Investment securities, other than money market funds, are valued according to the amortized cost method (which approximates fair value) whereby a security is valued at cost adjusted for the amortization of any premiums or accretion of any discounts over the period until maturity. The difference between the amortized cost and the fair value of the portfolio was approximately \$2,176,000 as of June 30, 2018. Investments in money market funds are valued at quoted market values.

Security transactions are accounted for on the trade date (the day that the order to buy or sell is executed). Interest income is determined on an accrual basis, with earned discounts (including original issue and market discount) accreted and paid premiums amortized. Any realized gains or losses on sales of securities are calculated on the specific identification basis.

STAR Ohio is permitted to invest in commercial paper, but commercial paper holdings shall not exceed 40 percent of the Total Average Portfolio (the average of the five highest daily balances for the prior 12-month period as calculated on the first day of the month). As of June 30, 2018, commercial paper holdings represented approximately 39.8 percent of the Total Average Portfolio. The Total Average Portfolio calculation is subject to change by the State Treasurer of Ohio.

All repurchase agreements are fully collateralized by United States Government or Federal Agency securities, pursuant to Section 135.143 of the Ohio Revised Code, and such collateral is in the possession of STAR Ohio's custodians on a daily basis. STAR Ohio evaluates collateral daily to ensure its market value plus accrued interest exceeds the delivery value of the repurchase agreement at maturity. At June 30, 2018, STAR Ohio invested in four separate repurchase agreements on a tri-party basis totaling \$850,000,000, which is included as part of investments at fair value on the Statement of Assets and Liabilities. The value of the related collateral that STAR Ohio received for the agreements exceeded the value of the repurchase agreements at June 30, 2018. STAR Ohio may enter into reverse repurchase (borrowing) agreements. For the fiscal year ended June 30, 2018, STAR Ohio did not enter into any reverse repurchase agreements.

STAR Ohio may purchase securities on a forward settlement basis. Payment and delivery may take place after the customary settlement period for the respective securities. The price of the underlying securities and the date when the securities will be delivered and paid for are fixed at the time the transaction is negotiated. Where applicable, the values of the securities purchased on a forward settlement basis are identified as such in the Statement of Investments. Losses may arise due to changes in the value of the underlying securities, if the counterparty does not perform under the contract's terms, or if the issuer does not issue the securities due to political, economic, or other factors. As of June 30, 2018, STAR Ohio did not transact in any purchases on a forward settlement basis.

STAR Ohio maintains a stable net asset value per share by using the amortized cost method of portfolio valuation. STAR Ohio has established procedures to stabilize the net asset value per share, as computed for the purpose of purchase and redemption, at a single value of \$1.00. The mark-to-market of the portfolio is used to monitor the appropriateness of the amortized cost method and is calculated using available market quotations.

As of June 30, 2018, STAR Ohio had the following investments and maturities:

Investment Type	Value	Investment Maturities (in Years)	
		Less than 1	1-5
Bank Deposits	\$ 407,342,807	\$ 407,342,807	
Commercial Paper	4,271,303,586	4,271,303,586	
Corporate Bonds	1,034,651,322	981,544,319	\$ 53,107,003
Federal Agency Issues and U.S. Treasury Obligations	1,501,721,571	1,146,845,619	354,875,952
Money Market Funds	2,293,351,194	2,293,351,194	
Repurchase Agreements	850,000,000	850,000,000	
	<u>\$10,358,370,480</u>	<u>\$ 9,950,387,525</u>	<u>\$ 407,982,955</u>

STAR Ohio also invested in Municipal Bonds as of June 30, 2018 in the amount of \$34,470,000 with final maturities ranging from November 15, 2028 through September 1, 2050.

Interest Rate Risk: Through its investment policy, STAR Ohio manages its exposure to fair value losses arising from increasing interest rates by limiting the final stated maturity on any investment to 397 days (762 days for floating and variable rate government obligations) and limiting the weighted average maturity WAM(R) of the portfolio to 60 days and WAM(F) of the portfolio to 90 days. WAM(R) uses the interest rate reset date as the effective maturity in calculating the WAM, whereas WAM(F) is calculated based on the stated final maturity for each security. WAM(F) is also known as weighted average life. At June 30, 2018, STAR Ohio WAM(R) and WAM(F) were 48 and 77 days, respectively. Federal Agency Issues include a callable bond, which has a maturity date of November 28, 2018 and a callable date of August 28, 2018, and floating rate notes with daily, weekly, monthly, and quarterly reset dates based on the Federal Funds Overnight Rate, the Federal Reserve Bank Prime Loan Rate, the 1- and 3-month U.S. LIBOR, and the 91-day U.S. Treasury Bill rate. There were no illiquid securities held in STAR Ohio's portfolio at June 30, 2018.

Credit Risk: STAR Ohio's investment policy requires money market funds to be rated AAAM by Standard & Poor's Corporation, and all other securities held by STAR Ohio be rated the equivalent of A-1+ or A-1. For issuers of bank deposits, collateralization of the investment is required to secure a rating of AAAM. As of June 30, 2018, STAR Ohio's investment in Federal Agency Issues and the money market funds were rated AA+ and AAAM, respectively, by

Standard and Poor's and Aaa by Moody's Investor Services. All commercial paper holdings were rated A-1/P-1 and above. Corporate bonds had the following long-term ratings at issuance:

Standard & Poor's	Moody's	Corporate Bonds
AAA	Aaa	\$27,449,810
AA+	Aaa	22,011,266
AA+	Aa1	60,369,583
AA	Aa2	31,702,128
AA	A1	13,180,346
AA-	Aa1	29,688,034
AA-	Aa2	38,605,155
AA-	Aa3	30,931,560
AA-	A1	59,257,520
AA-	A2	3,068,236
A+	Aa3	65,976,351
A+	A1	164,030,438
A+	A2	119,400,381
A	Aa2	183,999,118
A	A2	175,217,641
A	A3	9,763,755

These corporate bonds were purchased within 13 months of maturity, with appropriate credit ratings, and therefore are in accordance with the STAR Ohio investment policy.

Concentration of Credit Risk: STAR Ohio, through its investment policy, follows the diversification guidelines for Standard & Poor's Principal Stability Fund Rating (PSFR) criteria for AAAM rated money market funds and Section 135.143 of the Ohio Revised Code. Through its investment policy, STAR Ohio further limits its investments in municipal bonds to 10 percent of the net assets. STAR Ohio limits the maximum exposure per issuer to 5 percent of net assets, except U.S. Treasury and Federal Agency Obligations, overnight bank deposits (including uninvested cash), instruments that are at least 100 percent collateralized, and investments in other rated money market funds.

As of June 30, 2018, STAR Ohio had 5 percent or more of its net assets invested in the following issuers:

Fidelity Funds	9.4%
Federated Funds	9.4%
Federal Home Loan Bank	7.7%
Federal Farm Credit Bank	5.0%

Foreign Currency Risk: STAR Ohio does not have exposure to foreign exchange risk.

Custodial Credit Risk: STAR Ohio’s investments are not exposed to custodial credit risk, as defined by GASB Statement No. 40. Securities in STAR Ohio are insured, registered, held by STAR Ohio, or held in a specific trust account designated for STAR Ohio. At June 30, 2018, a bank deposit of \$404,826,710 was collateralized by Federal Home Loan Bank of Boston letter of credit. The carrying amount of cash and bank balance was zero.

NOTE D – SECURITIES LENDING

Pursuant to Section 135.143 of the Ohio Revised Code, the Pool may lend up to 25 percent of its securities to any eligible financial institution that is a member of the Federal Reserve System or any recognized United States government securities dealer.

The Pool follows strict levels of collateralization governed by daily mark-to-market analysis, a review of the credit worthiness of securities’ dealers and banks, and strict monitoring of their respective credit limits. This is done to control exposure due to possible credit loss resulting from a reduction in the underlying collateral value or non-performance by a security dealer or bank. Either the Pool or the borrower can terminate all security loans on demand.

For the fiscal year ended June 30, 2018, STAR Ohio did not participate in security lending transactions.

NOTE E – INCOME DISTRIBUTIONS

Each business day STAR Ohio declares a distribution of its net investment income and realized capital gains, if any. Such distributions are automatically reinvested in additional shares or paid in cash to shareholders at the end of each month.

NOTE F – CAPITAL SHARES

Transactions in capital shares (all at \$1.00 per share) were as follows:

	Year ended June 30,	
	2018	2017
Shares Sold	25,245,354,273	22,099,926,489
Shares Issued for Distributions	129,043,164	49,740,353
	25,374,397,437	22,149,666,842
Shares Redeemed	(24,360,079,750)	(18,527,049,854)
Capital Shares Transactions Net Increase (Decrease)	1,014,317,687	3,622,616,988

STANDARD & POOR'S RATING OF STAR OHIO

Standard & Poor's has assigned an AAAM money market rating, its highest rating, to STAR Ohio. By obtaining a AAAM rating, STAR Ohio is considered to have a superior capacity to maintain principal (\$1.00 per share value) and limit exposure to loss. The rating is based on an analysis of STAR Ohio's management, investment guidelines, portfolio holdings and market price exposure.

SUMMARY OF INVESTMENT OBJECTIVES AND ALL PERMITTED & ELIGIBLE INVESTMENTS

The investment objectives of STAR Ohio are the preservation of capital, maintenance of liquidity, and providing current income. STAR Ohio seeks to achieve these objectives by investing only in certain high-grade short-term investment instruments, which are authorized for investment by the State of Ohio as specified in Section 135.143 of the Ohio Revised Code. Instruments in which STAR Ohio may invest include:

- (1) United States Treasury bills, notes, bonds or any other obligations or securities issued by the United States Treasury or any other obligation guaranteed as to principal and interest by the United States;
- (2) Bonds, notes, debentures, or any other obligations or securities issued by any federal government agency or instrumentality;
- (3) Written repurchase agreements with any eligible counterparties domiciled or registered in the United States subject to the guidelines in STAR Ohio's Investment Policy;
- (4) STAR Ohio may invest in reverse repurchase agreements with a maximum maturity of 30 days, provided the securities have been fully paid for and are owned by STAR Ohio at the time of sale and subject to the guidelines in STAR Ohio's Investment Policy;
- (5) The Ohio Treasurer of State also may sell any securities, listed in items (1) or (2) above, regardless of maturity or time of redemption of the securities, under the same terms and conditions for repurchase, provided that the securities have been fully paid for and are held in trust by the Ohio Treasurer of State at the time of the sale;
- (6) Securities lending agreements with any eligible financial institution that is a member of the Federal Reserve System or Federal Home Loan Bank or any recognized United States government securities dealer, under the terms of which agreement the Ohio Treasurer of State lends securities and the eligible financial institution or dealer agrees to simultaneously exchange similar securities or cash, equal value for equal value;
- (7) Various forms of commercial paper, maturing in 270 days or less, issued by any corporation that is incorporated under the laws of the United States or a state, which such notes are rated in the two highest categories by two nationally recognized rating agencies, provided that the

total amount invested in commercial paper at any time shall not exceed 40 percent of the Total Average Portfolio which is defined as the average of the five highest daily balances for the prior 12-month period as calculated on the first day of the month (the Total Average Portfolio calculation is subject to change by the State Treasurer of Ohio);

(8) Corporate Obligations of domestic corporations that, at the time of purchase must be rated in the three highest categories by two nationally recognized rating agencies provided that the total amount invested in corporate obligations at any time shall not exceed 25 percent of the Total Average Portfolio;

(9) Municipal Bonds and other direct obligations of STAR Ohio issued by the State Treasurer, the Ohio Public Facilities Commission, the Ohio Building Authority and the Ohio Housing Finance Agency;

(10) Banker's acceptances, maturing in 270 days or less, which are eligible for purchase by the Federal Reserve System, provided that the total amount invested in the banker's acceptances at any time shall not exceed 10 percent of the Total Average Portfolio, as determined and calculated by the Ohio Treasurer of State;

(11) Bank deposits, certificates of deposits, and savings in eligible institutions applying for interim monies as provided in Section 135.08 of the Ohio Revised Code; and

(12) No-load money market mutual funds rated in the highest category by one nationally recognized standard rating service or consisting exclusively of obligations described in (1), (2), or (7) of this section and repurchase agreements secured by such obligations.

SERVICE PROVIDERS

INVESTMENT ADVISOR AND ADMINISTRATOR

Josh Mandel
State Treasurer of Ohio

CO-ADMINISTRATOR

Public Funds Administrators
Dublin, Ohio

CUSTODIAN

Huntington National Bank
Columbus, Ohio

TRANSFER AGENT

Ultimus Fund Solutions
Cincinnati, Ohio

CO-INVESTMENT ADVISOR

United American Capital Corporation
Worthington, Ohio

CO-INVESTMENT ADVISOR

Meeder Asset Management, Inc.
Dublin, Ohio

For more information on current yields or assistance in opening a STAR account, call toll free: 1-800-648-STAR (7827).

Additional information regarding STAR Ohio and other Treasurer of State programs may be accessed through www.OhioTreasurer.gov. The Treasurer's office also welcomes your feedback and questions; please call 1-800-228-1102.

The Office of the State Treasurer, Public Funds Administrators, Huntington National Bank, Ultimus Fund Solutions, United American Capital Corporation, and Meeder Asset Management, Inc. are Equal Opportunity Employers and Service Providers.



An Investment Alternative Offered by State Treasurer Josh Mandel

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