



OHIO AUDITOR OF STATE
KEITH FABER



**HORIZON SCIENCE ACADEMY DAYTON
MONTGOMERY COUNTY
FOR THE FISCAL YEAR ENDED JUNE 30, 2019**

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OHIO AUDITOR OF STATE KEITH FABER



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INDEPENDENT AUDITOR'S REPORT

Horizon Science Academy Dayton
Montgomery County
4751 Sue Ann Boulevard
Dayton, Ohio 45415

To the Board of Directors:

Report on the Financial Statements

We have audited the accompanying financial statements of the Horizon Science Academy Dayton, Montgomery County, Ohio (the Academy), as of and for the fiscal year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the Academy's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for preparing and fairly presenting these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes designing, implementing, and maintaining internal control relevant to preparing and fairly presenting financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to opine on these financial statements based on our audit. We audited in accordance with auditing standards generally accepted in the United States of America and the financial audit standards in the Comptroller General of the United States' *Government Auditing Standards*. Those standards require us to plan and perform the audit to reasonably assure the financial statements are free from material misstatement.

An audit requires obtaining evidence about financial statement amounts and disclosures. The procedures selected depend on our judgment, including assessing the risks of material financial statement misstatement, whether due to fraud or error. In assessing those risks, we consider internal control relevant to the Academy's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not to the extent needed to opine on the effectiveness of the Academy's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of management's accounting policies and the reasonableness of their significant accounting estimates, as well as our evaluation of the overall financial statement presentation.

We believe the audit evidence we obtained is sufficient and appropriate to support our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Horizon Science Academy Dayton, Montgomery County, Ohio, as of June 30, 2019, and the changes in financial position and its cash flows thereof for the fiscal year then ended in accordance with the accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note 17 to the financial statements, the financial impact of COVID-19 and the ensuing emergency measures will impact subsequent periods of the Academy. We did not modify our opinion regarding this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require this presentation to include *management's discussion and analysis*, and schedules of net pension and other post-employment benefit liabilities and pension and other post-employment benefit contributions listed in the table of contents, to supplement the basic financial statements. Although this information is not part of the basic financial statements, the Governmental Accounting Standards Board considers it essential for placing the basic financial statements in an appropriate operational, economic, or historical context. We applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, consisting of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, to the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not opine or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to opine or provide any other assurance.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 5, 2020, on our consideration of the Academy's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. That report describes the scope of our internal control testing over financial reporting and compliance, and the results of that testing, and does not opine on 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 the Academy's internal control over financial reporting and compliance.



Keith Faber
Auditor of State
Columbus, Ohio

May 5, 2020

The discussion and analysis of Horizon Science Academy Dayton's (the Academy) financial performance provides an overall review of the financial activities for the fiscal year ended June 30, 2019. Readers should also review the financial statements and notes to enhance their understanding of the Academy's financial performance.

Financial Highlights

Key financial highlights for fiscal year 2019 are as follows:

- Total assets were \$443,212.
- Total liabilities were \$1,742,084.
- Total net position increased by \$88,122.

Using this Financial Report

This report consists of three parts: the MD&A, the basic financial statements, and notes to those statements. The basic financial statements include a Statement of Net Position, a Statement of Revenues, Expenses and Change in Net Position, and a Statement of Cash Flows.

Reporting the Academy as a Whole

One of the most important questions asked about the Academy is, "As a whole, what is the Academy's financial condition as a result of the year's activities?" The Statement of Net Position and the Statement of Revenues, Expenses and Changes in Net Position, which appear first in the Academy's financial statements, report information on the Academy as a whole and its activities in a way that helps you answer this question. We prepare these statements to include all assets and deferred outflows of resources, and liabilities and deferred inflows of resources, using the accrual basis of accounting, which is similar to the accounting used by most private-sector companies. All of the current year's revenues and expenses are taken into account regardless of when the cash is received or paid.

These two statements report the Academy's net position – the difference between assets and deferred outflows of resources, and liabilities and deferred inflows of resources, as reported in the Statement of Net Position – as one way to measure the Academy's financial health or financial position. Over time, increases or decreases in the Academy's net position – as reported in the Statement of Revenues, Expenses and Change in Net Position – are indicators of whether its financial health is improving or deteriorating. The relationship between revenues and expenses is the Academy's operating results. However, the Academy's goal is to provide services to our students, not to generate profits as commercial entities do. One must consider many other non-financial factors, such as the quality of the education provided and the safety of the Academy, to assess the overall health of the Academy.

The Statement of Net Position and the Statement of Revenues, Expenses and Change in Net Position report the activities of the Academy, which encompass all the Academy's services, including instruction and supporting services. Unrestricted state aid and state and federal grants finance most of these activities.

Table 1 provides a comparison of net position as of June 30, 2019 with net position as of June 30, 2018.

Table 1
Net Position

	<u>2019</u>	<u>2018</u>
<u>Assets</u>		
Current and Other Assets	\$ 403,830	\$ 287,871
Capital Assets, Net	39,382	52,286
Total Assets	443,212	340,157
<u>Deferred Outflows of Resources</u>	568,449	789,430
<u>Liabilities</u>		
Current Liabilities	127,196	92,740
Noncurrent Liabilities	1,614,888	2,066,224
Total Liabilities	1,742,084	2,158,964
<u>Deferred Inflows of Resources</u>	363,218	152,386
<u>Net Position</u>		
Investment in Capital Assets	39,382	50,694
Unrestricted	(1,133,023)	(1,232,457)
Total Net Position	\$ (1,093,641)	\$ (1,181,763)

The net pension liability is reported pursuant to Governmental Accounting Standards Board (GASB) Statement 68, "Accounting and Financial Reporting for Pensions—an Amendment of GASB Statement 27." The net other postemployment benefits (OPEB) liability/asset is reported pursuant to GASB Statement 75, "Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions." For reasons discussed below, many end users of this financial statement will gain a clearer understanding of the Academy's actual financial condition by adding deferred inflows related to pension and OPEB, the net pension liability, and the net OPEB liability to the reported net position and subtracting deferred outflows related to pension and OPEB and the net OPEB asset.

GASB standards are national and apply to all government financial reports prepared in accordance with generally accepted accounting principles. Prior accounting for pensions (GASB 27) and postemployment benefits (GASB 45) focused on a funding approach. This approach limited pension and OPEB costs to contributions annually required by law, which may or may not be sufficient to fully fund each plan's *net pension liability* or *net OPEB liability*. GASB 68 and GASB 75 take an earnings approach to pension and OPEB accounting; however, the nature of Ohio's statewide pension/OPEB plans and state law governing those systems requires additional explanation in order to properly understand the information presented in these statements.

GASB 68 and GASB 75 require the net pension liability and the net OPEB liability/asset to equal the Academy's proportionate share of each plan's collective:

1. Present value of estimated future pension/OPEB benefits attributable to active and inactive employees' past service.
2. Minus plan assets available to pay these benefits.

GASB notes that pension and OPEB obligations, whether funded or unfunded, are part of the “employment exchange” – that is, the employee is trading his or her labor in exchange for wages, benefits, and the promise of a future pension and other postemployment benefits. GASB noted that the unfunded portion of this promise is a present obligation of the government, part of a bargained-for benefit to the employee, and should accordingly be reported by the government as a liability since they received the benefit of the exchange. However, the Academy is not responsible for certain key factors affecting the balance of these liabilities. In Ohio, the employee shares the obligation of funding pension benefits with the employer. Both employer and employee contribution rates are capped by State statute. A change in these caps requires action of both Houses of the General Assembly and approval of the Governor. Benefit provisions are also determined by State statute. The Ohio revised Code permits, but does not require, the retirement systems to provide healthcare to eligible benefit recipients. The retirement systems may allocate a portion of the employer contributions to provide for these OPEB benefits.

The employee enters the employment exchange with the knowledge that the employer's promise is limited not by contract but by law. The employer enters the exchange also knowing that there is a specific, legal limit to its contribution to the retirement system. In Ohio, there is no legal means to enforce the unfunded liability of the pension/OPEB plan *as against the public employer*. State law operates to mitigate/lessen the moral obligation of the public employer to the employee, because all parties enter the employment exchange with notice as to the law. The retirement system is responsible for the administration of the pension and OPEB plans.

Most long-term liabilities have set repayment schedules or, in the case of compensated absences (i.e. sick and vacation leave), are satisfied through paid time-off or termination payments. There is no repayment schedule for the net pension liability or the net OPEB liability. As explained above, changes in benefits, contribution rates, and return on investments affect the balance of these liabilities but are outside the control of the local government. In the event that contributions, investment returns, and other changes are insufficient to keep up with required payments, State statute does not assign/identify the responsible party for the unfunded portion. Due to the unique nature of how the net pension liability and the net OPEB liability are satisfied, these liabilities are separately identified within the long-term liability section of the statement of net position.

In accordance with GASB 68 and GASB 75, the Academy's statements prepared on an accrual basis of accounting include an annual pension expense and an annual OPEB expense for their proportionate share of each plan's *change* in net pension liability and net OPEB liability/asset, respectively, not accounted for as deferred inflows/outflows.

Deferred outflows related to pension decreased primarily due to changes in assumptions by the State Teachers Retirement System (STRS). See Note 6 for more detail.

Total assets include a net OPEB asset reported by STRS. See Note 7 for more detail. STRS did not report a net pension asset in the prior year.

Deferred inflows related to OPEB increased primarily due to changes in assumptions by STRS. See Note 7 for more detail.

Long-term liabilities decreased primarily due to a decrease in the net pension liability and net OPEB liability. These liabilities are outside of the control of the Academy. The Academy contributes its statutorily required contributions to the pension systems; however, it's the pension systems that collect, hold and distribute pensions and OPEB to Academy employees, not the Academy.

Table 2 shows the changes in net position for the fiscal years 2019 and 2018.

Table 2
Revenues, Expenses and Changes in Net Position

	<u>2019</u>	<u>2018</u>
<u>Operating Revenues</u>		
Foundation payments	\$ 1,162,681	\$ 1,422,646
Classroom fees	-	55
Extracurricular activities	290	1,251
Other revenue	6,633	73,138
Total operating revenues	1,169,604	1,497,090
<u>Operating Expenses</u>		
Salaries	796,087	813,934
Fringe benefits	65,834	(564,512)
Purchased services	783,145	824,185
Materials and supplies	34,313	32,808
Depreciation	17,913	53,451
Miscellaneous	56,964	57,517
Total operating expenses	1,754,256	1,217,383
Operating income (loss)	(584,652)	279,707
<u>Nonoperating Revenues</u>		
Restricted grants in aid - federal	398,108	396,863
State and other grants	178,086	43,657
Donated management fee	96,580	127,129
Total nonoperating revenues	672,774	567,649
Change in net position	88,122	847,356
Net position, beginning of year	(1,181,763)	(2,029,119)
Net position, end of year	\$ (1,093,641)	\$ (1,181,763)

Overall, expenses increased \$536,873 or 44.16%. This increase is primarily the result of the STRS indefinitely suspending the Cost of Living Adjustment (“COLA”) and the School Employee Retirement System (SERS) lowering the COLA from 3.00% to 2.50% in fiscal year 2018. These benefit changes caused a decrease to the net pension liability reported at June 30, 2019 and the subsequent expenses reported for fiscal year 2019 when compared fiscal year 2018.

On an accrual basis, the Academy reported \$220,274 and (\$576,728) in pension expense for fiscal year 2019 and 2018, respectively. In addition, the Academy reported (\$237,727) and (\$84,593) in OPEB expense for fiscal year 2019 and 2018, respectively. The increase in both the net pension expense and the OPEB expense from fiscal year 2018 to fiscal year 2019 was \$643,868. This increase is primarily the result of the benefit changes by the retirement systems. Fluctuations in the pension and OPEB expense makes it difficult to compare financial information between years. Pension and OPEB expense are components of program expenses reported on the statement of activities. The Academy’s total expenses for fiscal year 2019 are comparable to total fiscal year 2018 expenses.

Foundation support decreased \$259,965 in part due to a decrease in enrollment but primarily due to the classification of economic disadvantaged funding as state and other grants revenue in fiscal year 2019 as compared to foundation revenue in fiscal year 2018. This also explains the increase in state and other grants revenue when compared to fiscal year 2018. Federal grants increased in the amount of \$1,245.

Foundation support is the primary support of the Academy, comprising 99% of operating revenue and 63% of total revenues. The Academy also received a significant portion of federal grants, which represent 22% of total revenue. Net position increased \$88,122.

Capital Assets

At the end of fiscal year 2019, the Academy had \$116,392 invested in equipment and vehicles, (\$39,382 net of accumulated depreciation). Table 3 shows the balances at June 30, 2019 and June 30, 2018.

Table 3
Capital Assets

	Balance June 30, 2019	Balance June 30, 2018
Capital Assets, Being Depreciated:		
Equipment Instructional	\$ 103,527	\$ 129,335
Equipment Office	12,865	160,764
School Vehicle	-	7,164
Total Capital Assets	116,392	297,263
Less: Accumulated Depreciation	(77,010)	(244,977)
Net Capital Assets	\$ 39,382	\$ 52,286

For more information on capital assets see Note 5 to the basic financial statements.

Contacting the Academy’s Financial Management

This financial report is designed to provide our citizens, taxpayers, and creditors with a general overview of the Academy’s finances. Questions concerning any of the information in this report or requests for additional information should be directed to Begmurat Nepesov, Treasurer, Horizon Science Academy Dayton School, 4751 Sue Ann Blvd. Dayton, OH 45415.

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Horizon Science Academy Dayton

Statement of Net Position

June 30, 2019

ASSETS:

Current Assets:

Cash and cash equivalents	\$	278,398
Accounts receivable		5,951
Other prepaid items		10,044
Total current assets		<u>294,393</u>

Noncurrent Assets:

Net OPEB asset		109,437
Depreciable capital assets, net		39,382
Total noncurrent assets		<u>148,819</u>

Total Assets 443,212

DEFERRED OUTFLOWS OF RESOURCES:

Pension		548,508
OPEB		19,941

Total Deferred Outflows of Resources 568,449

LIABILITIES:

Current Liabilities:

Accounts payable		49,104
Accrued wages and benefits payable		73,205
Intergovernmental payable		4,887
Total current liabilities		<u>127,196</u>

Noncurrent Liabilities:

Net pension liability		1,576,204
Net OPEB liability		38,684
Total noncurrent liabilities		<u>1,614,888</u>

Total Liabilities 1,742,084

DEFERRED INFLOWS OF RESOURCES:

Pension		175,561
OPEB		187,657

Total Deferred Inflows of Resources 363,218

NET POSITION:

Investment in capital assets		39,382
Unrestricted		(1,133,023)

Total Net Position \$ (1,093,641)

See accompanying notes to the basic financial statements.

Horizon Science Academy Dayton
Statement of Revenues, Expenses and Changes in Net Position
For the Fiscal Year Ended June 30, 2019

OPERATING REVENUES:

Foundation payments	\$ 1,162,681
Extracurricular activities	290
Other revenue	6,633
	<hr/>
Total operating revenues	1,169,604

OPERATING EXPENSES:

Salaries	796,087
Fringe benefits	65,834
Purchased services	783,145
Materials and supplies	34,313
Depreciation	17,913
Miscellaneous	56,964
	<hr/>
Total operating expenses	1,754,256

Operating loss **(584,652)**

NONOPERATING REVENUES:

Restricted grants in aid - federal	398,108
State and other grants	178,086
Donated management fee	96,580
	<hr/>
Total nonoperating revenues	672,774

Change in net position 88,122

Net position, beginning of year

(1,181,763)

Net position, end of year **---

\$ (1,093,641)**

See accompanying notes to the basic financial statements.

Horizon Science Academy Dayton
Statement of Cash Flows
For the Fiscal Year Ended June 30, 2019

CASH FLOWS FROM OPERATING ACTIVITIES:

Cash received from State of Ohio	\$ 1,162,681
Other cash receipts	6,923
Cash payments to employees for services and benefits	(1,000,253)
Cash payments to suppliers for goods and services	(689,109)
Other cash payment	(56,964)
	(576,722)
Net cash (used in) operating activities	(576,722)

CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:

Federal grants received	415,372
State and other grants received	178,086
	593,458
Net cash provided by noncapital financing activities	593,458

CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:

Principal paid on capital lease	(1,592)
Cash payments for capital acquisitions	(5,009)
	(6,601)
Net cash (used in) capital and related financing activities	(6,601)

Net increase in cash and cash equivalents	10,135
Cash and cash equivalents at beginning of year	268,263
Cash and cash equivalents at end of year	\$ 278,398

RECONCILIATION OF OPERATING LOSS TO NET CASH USED IN OPERATING ACTIVITIES

Operating loss	\$ (584,652)
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ADJUSTMENTS TO RECONCILE OPERATING LOSS TO NET CASH (USED IN) OPERATING ACTIVITIES

Depreciation	17,913
Donated management fee	96,580

Changes in assets, liabilities, deferred outflows of resources, and deferred inflows of resources:

Increase in prepaid assets	(7,700)
Increase in accounts receivable	(5,951)
Increase in accounts payable	32,834
Decrease in accrued wages and benefits payable	(1,673)
Increase in intergovernmental payable	4,887
Increase in net OPEB asset	(109,437)
Decrease in deferred outflows of resources	220,981
Increase in deferred inflows of resources	210,832
Decrease in net pension liability	(181,906)
Decrease in net OPEB liability	(269,430)
Total adjustments	7,930

Net cash (used in) operating activities	\$ (576,722)
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See accompanying notes to the basic financial statements.

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1. DESCRIPTION OF THE ACADEMY AND REPORTING ENTITY

Horizon Science Academy Dayton, (the Academy), is a nonprofit corporation established pursuant to Ohio Rev. Code Chapters 3314 and 1702 to address the needs of students in grades kindergarten through fifth in Dayton. The Academy, which is part of the State's education program, is independent of any school and is nonsectarian in its programs, admission policies, employment practices, and all other operations.

The Academy may sue and be sued, acquire facilities as needed, and contract for any services necessary for the operation of the Academy. The Academy qualifies as an exempt organization under Section 501(c) (3) of the Internal Revenue Code. Management is not aware of any course of action or series of events that have occurred that might adversely affect the Academy's tax-exempt status.

The Academy was initially approved for operation under contract with the Educational Service Center of Lake Erie West (the Sponsor) for a period of five years commencing November 18, 2004. The contract has been extended through June 30, 2019.

The Academy operates under the direction of a self-appointed five-member Board of Trustees. The Board is responsible for carrying out the provisions of the contract, which includes, but are not limited to, state mandated provisions regarding student population, curriculum, academic goals, performance standards, admission standards, and qualifications of teachers. During fiscal year 2019, the Academy employed 20 personnel and had 162 students.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The basic financial statements of the Academy have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP) as applied to governmental nonprofit organizations. The Governmental Accounting Standards Board (GASB) is the accepted standard-setting body for establishing governmental accounting and financial reporting principles. The more significant of the Academy's accounting policies are described below.

A. Basis of Presentation

The Academy's basic financial statements consist of a Statement of Net Position; a Statement of Revenues, Expenses and Change in Net Position; and a Statement of Cash Flows.

The Academy uses enterprise accounting to report its financial activities. Enterprise accounting focuses on the determination of operating income, changes in net position, financial position, and cash flows.

B. Measurement Focus and Basis of Accounting

The accounting and financial reporting treatment is determined by its measurement focus. Enterprise accounting uses a flow of economic resources measurement focus. With this measurement focus, all assets and all liabilities associated with the operation of the Academy are included on the Statement of Net Position. The Statement of Revenues, Expenses, and Change in Net Positions present increases (e.g., revenues) and decreases (e.g., expenses) in total net position. The Statement of Cash Flows provides information about how the Academy finances and meets the cash flow needs of its enterprise activities.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

B. Measurement Focus and Basis of Accounting (Continued)

Basis of accounting refers to when revenues and expenses are recognized in the accounts and reported in the financial statements. The full accrual basis of accounting is used for reporting purposes. Revenue resulting from exchange transactions, in which each party gives and receives essentially equal value, is recorded on the accrual basis when the exchange takes place. Revenues resulting from non-exchange transactions, in which the Academy receives value without directly giving equal value in return, such as grants, entitlements and donations are recognized in the period in which all eligibility requirements have been satisfied. Unearned revenue arises when assets are recognized before revenue recognition criteria have been satisfied. Grants and entitlements received before eligibility requirements are met are recorded as unearned revenue. Expenses are recognized at the time they are incurred.

C. Budgetary Process

Community schools are statutorily required to adopt a budget by Ohio Revised Code 3314.032(C). However, unlike traditional public schools located in the State of Ohio, community schools are not required to follow the specific budgetary process and limits set forth in the Ohio Revised Code Chapter 5705, unless specifically provided in the contract between the community school and its Sponsor. The contract between the Academy and its Sponsor does not require the Academy to follow the provisions Ohio Revised Code Chapter 5705; therefore, no budgetary information is presented in the basic financial statements. However, the contract between the Academy and its Sponsor prescribes an annual budget requirement in addition to preparing a 5-year forecast, which is to be updated on an annual basis.

D. Cash

To improve cash management, all cash received by the Academy is pooled in a central bank account. Total cash amount at the end of the fiscal year is presented as “Cash and cash equivalents” in the Statement of Net Position. For the purposes of the Statement of Cash Flows and for presentation on the Statement of Net Position, any investment with an original maturity date less than 90 days is considered a cash equivalent and any investment with a maturity date greater than 90 days is considered an investment. The Academy did not have any investments during fiscal year 2019.

E. Capital Assets and Depreciation

Capital assets are capitalized at cost (or estimated historical cost) and updated for additions and retirements during the year. Donated capital assets are recorded at their acquisition value as of the date received. The Academy maintains a capitalization threshold of one thousand dollars. The costs of normal maintenance and repairs that do not add to the value of the asset or materially extend an asset's life are not capitalized. Improvements are capitalized. The Academy does not capitalize interest.

Capital assets are depreciated using the straight-line method over the following estimated useful lives. Improvements to capital assets are depreciated over the remaining useful lives of the related capital assets. Leasehold improvements are depreciated using the straight-line method over the life of the lease.

	<u>Useful Life</u>
Improvements	5 to 10 years
Equipment Office	5 to 10 years
Equipment Instructional	3 to 5 years
Vehicles	3 to 10 years

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

F. Intergovernmental Revenues

The Academy currently participates in the State Foundation Program, Special Education Program, and Federal CCIP Program. Revenues received from the State Foundation Program are recognized as operating revenues whereas revenues from the Federal CCIP Program, Special Education Program and other State Grants are recognized as non-operating revenues in the accounting period in which all eligibility requirements have been met.

Eligibility requirements include timing requirements, which specify the year when the resources are required to be used or the fiscal year when use is first permitted, matching requirements, in which the Academy must provide local resources to be used for a specified purpose, and expenditure requirements, in which the resources are provided to the Academy on a reimbursement basis.

G. Operating Revenues and Expenses

Operating revenues are those revenues that are generated directly from the primary activity of the Academy. Operating expenses are necessary costs incurred to provide the service that is the primary activity of the Academy. All revenues and expenses not meeting these definitions are reported as non-operating.

H. Compensated Absences

The Academy's policy indicates that all full-time employees are entitled to eight days of sick/personal leave in a school year. Also, Full time employees who have worked for the Academy for a total of 200 or more days during the contract year will be allowed nine days of paid sick or personal leave. Full time employees who have worked for the Academy 210 or more days during the contract year will be allowed ten days of paid sick or personal leave. All leave earned by employees must be used within the current school year and cannot be transferred to the next school year, and therefore, are not recorded as a liability. The Academy compensates its employees \$150 per day for each unused sick/personal day at the end of the year.

I. Net Position

Net position represents the difference between assets and deferred outflows of resources and liabilities and deferred inflows of resources. Net investment in capital assets consists of capital assets, net of accumulated depreciation and related debt. Net position is reported as restricted when there are limitations imposed on their use, either through enabling legislation adopted by the Academy or through external restrictions imposed by creditors, grantors, or contracts. The Academy applies restricted resources first when an expense is incurred for purposes for which both restricted and unrestricted net positions are available. At the end of the fiscal ended June 30, 2019, the Academy did not have any restricted net position.

J. Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results may differ from those estimates.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

K. Deferred Outflows of Resources and Deferred Inflows of Resources

In addition to assets, the government-wide statement of net position will report a separate section for deferred outflows of resources. Deferred outflows of resources represent a consumption of net position that applies to a future period and will not be recognized as an outflow of resources (expense/expenditure) until then. For the Academy, see Notes 6 and 7 for deferred outflows of resources related to the Academy's net pension liability and net OPEB liability/asset, respectively.

In addition to liabilities, the statement of net position will report a separate section for deferred inflows of resources. Deferred inflows of resources represent an acquisition of net position that applies to a future period and will not be recognized as an inflow of resources (revenue) until that time. For the Academy, see Notes 6 and 7 for deferred inflows of resources related to the Academy's net pension liability and net OPEB liability/asset, respectively.

L. Pensions/Other Postemployment Benefits (OPEB)

For purposes of measuring the net pension/OPEB liability, net OPEB asset, deferred outflows of resources and deferred inflows of resources related pensions/OPEB, and pension/OPEB expense, information about the fiduciary net position of the pension/OPEB plans and additions to/deductions from their fiduciary net position have been determined on the same basis as they are reported by the pension/OPEB plan. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. The pension/OPEB plans report investments at fair value.

3. CHANGE IN ACCOUNTING PRINCIPLE

For fiscal year 2019, the Academy has implemented GASB Statement No. 83, "Certain Asset Retirement Obligations" and GASB Statement No. 88, "Certain Disclosures Related to Debt, Including Direct Borrowings and Direct Placements".

GASB Statement No. 83 addresses accounting and financial reporting for certain asset retirement obligations (AROs). An ARO is a legally enforceable liability associated with the retirement of a tangible capital asset. A government that has legal obligations to perform future asset retirement activities related to its tangible capital assets should recognize a liability. The implementation of GASB Statement No. 83 did not have an effect on the financial statements of the Academy.

GASB Statement No. 88 improves the information that is disclosed in notes to the basic financial statements related to debt, including direct borrowings and direct placements. It also clarifies which liabilities governments should include when disclosing information related to debt. The implementation of GASB Statement No. 88 did not have an effect on the financial statements of the Academy.

4. DEPOSITS

At June 30, 2019, the carrying amount of Academy deposits was \$278,398 and the bank balance of Academy deposits was \$279,834. Of the bank balance, \$250,000 was covered by the Federal Deposit Insurance Corporation (FDIC) and \$29,834 was uninsured and uncollateralized. There are no significant statutory restrictions regarding the deposit and investment of funds by the nonprofit corporation.

5. CAPITAL ASSETS

Capital asset activity for the fiscal year ended June 30, 2019, was as follows:

	Balance			Balance
	June 30, 2018	Additions	Deletions	June 30, 2019
Capital Assets, Being Depreciated:				
Equipment Instructional	\$ 129,335	\$ 3,818	\$ (29,626)	\$ 103,527
Equipment Office	160,764	1,191	(149,090)	12,865
School Vehicle	7,164	-	(7,164)	-
Total Capital Assets	297,263	5,009	(185,880)	116,392
Less: Accumulated Depreciation	(244,977)	(17,913)	185,880	(77,010)
Net Capital Assets	\$ 52,286	\$ (12,904)	\$ -	\$ 39,382

6. DEFINED BENEFIT PENSION PLANS*Net Pension Liability*

The net pension liability reported on the statement of net position represents a liability to employees for pensions. Pensions are a component of exchange transactions—between an employer and its employees—of salaries and benefits for employee services. Pensions are provided to an employee—on a deferred-payment basis—as part of the total compensation package offered by an employer for employee services each financial period. The obligation to sacrifice resources for pensions is a present obligation because it was created as a result of employment exchanges that already have occurred.

The net pension liability represents the Academy's proportionate share of each pension plan's collective actuarial present value of projected benefit payments attributable to past periods of service, net of each pension plan's fiduciary net position. The net pension liability calculation is dependent on critical long-term variables, including estimated average life expectancies, earnings on investments, cost of living adjustments and others. While these estimates use the best information available, unknowable future events require adjusting this estimate annually.

The Ohio Revised Code limits the Academy's obligation for this liability to annually required payments. The Academy cannot control benefit terms or the manner in which pensions are financed; however, the Academy does receive the benefit of employees' services in exchange for compensation including pension.

GASB 68 assumes the liability is solely the obligation of the employer, because (1) they benefit from employee services; and (2) State statute requires all funding to come from these employers. All contributions to date have come solely from these employers (which also includes costs paid in the form of withholdings from employees). State statute requires the pension plans to amortize unfunded liabilities within 30 years. If the amortization period exceeds 30 years, each pension plan's board must propose corrective action to the State legislature. Any resulting legislative change to benefits or funding could significantly affect the net pension liability. Resulting adjustments to the net pension liability would be effective when the changes are legally enforceable.

6. DEFINED BENEFIT PENSION PLANS (Continued)

The proportionate share of each plan’s unfunded benefits is presented as a long-term *net pension liability* on the accrual basis of accounting. Any liability for the contractually required pension contribution outstanding at the end of the year is included as an *intergovernmental payable*.

Plan Description - School Employees Retirement System (SERS)

Plan Description - The Academy’s non-teaching employees participate in SERS, a cost-sharing multiple-employer defined benefit pension plan administered by SERS. SERS provides retirement, disability and survivor benefits, annual cost-of-living adjustments, and death benefits to plan members and beneficiaries. Authority to establish and amend benefits is provided by Ohio Revised Code Chapter 3309. SERS issues a publicly available, stand-alone financial report that includes financial statements, required supplementary information and detailed information about SERS’ fiduciary net position. That report can be obtained by visiting the SERS website at www.ohsers.org under Employers/Audit Resources.

Age and service requirements for retirement are as follows:

	Eligible to Retire on or before August 1, 2017 *	Eligible to Retire after August 1, 2017
Full benefits	Any age with 30 years of service credit	Age 67 with 10 years of service credit; or Age 57 with 30 years of service credit
Actuarially reduced benefits	Age 60 with 5 years of service credit; or Age 55 with 25 years of service credit	Age 62 with 10 years of service credit; or Age 60 with 25 years of service credit

* Members with 25 years of service credit as of August 1, 2017, will be included in this plan.

Annual retirement benefits are calculated based on final average salary multiplied by a percentage that varies based on years of service; 2.2% for the first thirty years of service and 2.5% for years of service credit over 30. Final average salary is the average of the highest three years of salary.

Effective January 1, 2018, SERS cost-of-living adjustment (COLA) changed from a fixed 3% annual increase to one based on the Consumer Price Index (CPI-W) with a cap of 2.5% and a floor of 0%. SERS also has the authority to award or suspend the COLA, or to adjust the COLA above or below CPI-W. SERS suspended the COLA increases for 2018, 2019 and 2020 for current retirees, and confirmed their intent to implement a four-year waiting period for the state of a COLA for future retirees.

Funding Policy - Plan members are required to contribute 10% of their annual covered salary and the Academy is required to contribute 14% of annual covered payroll. The contribution requirements of plan members and employers are established and may be amended by the SERS’ Retirement Board up to statutory maximum amounts of 10% for plan members and 14% for employers. The Retirement Board, acting with the advice of the actuary, allocates the employer contribution rate among four of the System’s funds (Pension Trust Fund, Death Benefit Fund, Medicare B Fund, and Health Care Fund). For the fiscal year ended June 30, 2019, the allocation to pension, death benefits, and Medicare B was 13.5%. The remaining 0.5% of the employer contribution rate was allocated to the Health Care Fund.

The Academy’s contractually required contribution to SERS was \$4,668 for fiscal year 2019. Of this amount, \$405 is reported as an intergovernmental payable.

6. DEFINED BENEFIT PENSION PLANS (Continued)

Plan Description - State Teachers Retirement System (STRS)

Plan Description – The Academy’s licensed teachers participate in STRS Ohio, a cost-sharing multiple-employer public employee retirement system administered by STRS. STRS provides retirement and disability benefits to members and death and survivor benefits to beneficiaries. STRS issues a stand-alone financial report that includes financial statements, required supplementary information and detailed information about STRS’ fiduciary net position. That report can be obtained by writing to STRS, 275 E. Broad St., Columbus, OH 43215-3771, by calling (888) 227-7877, or by visiting the STRS website at www.strsoh.org.

New members have a choice of three retirement plans; a Defined Benefit (DB) Plan, a Defined Contribution (DC) Plan and a Combined Plan. Benefits are established by Ohio Revised Code Chapter 3307. The DB Plan offers an annual retirement allowance based on final average salary multiplied by a percentage that varies based on years of service. Effective August 1, 2015, the calculation will be 2.2% of final average salary for the five highest years of earnings multiplied by all years of service. Effective July 1, 2017, the cost-of-living adjustment was reduced to zero. Members are eligible to retire at age 60 with five years of qualifying service credit, or age 55 with 26 years of service, or 31 years of service regardless of age. Eligibility changes will be phased in until August 1, 2026, when retirement eligibility for unreduced benefits will be five years of service credit and age 65, or 35 years of service credit and at least age 60.

The DC Plan allows members to place all their member contributions and 9.53% of the 14% employer contributions into an investment account. Investment allocation decisions are determined by the member. The remaining 4.47% of the 14% employer rate is allocated to the defined benefit unfunded liability. A member is eligible to receive a retirement benefit at age 50 and termination of employment. The member may elect to receive a lifetime monthly annuity or a lump sum withdrawal.

The Combined Plan offers features of both the DB Plan and the DC Plan. In the Combined Plan, 12% of the 14% member rate goes to the DC Plan and the remaining 2% is applied to the DB Plan. Member contributions to the DC Plan are allocated among investment choices by the member, and contributions to the DB Plan from the employer and the member are used to fund the defined benefit payment at a reduced level from the regular DB Plan. The defined benefit portion of the Combined Plan payment is payable to a member on or after age 60 with five years of service. The defined contribution portion of the account may be taken as a lump sum payment or converted to a lifetime monthly annuity after termination of employment at age 50 or later.

New members who choose the DC Plan or Combined Plan will have another opportunity to reselect a permanent plan during their fifth year of membership. Members may remain in the same plan or transfer to another STRS plan. The optional annuitization of a member’s defined contribution account or the defined contribution portion of a member’s Combined Plan account to a lifetime benefit results in STRS bearing the risk of investment gain or loss on the account. STRS has therefore included all three plan options as one defined benefit plan for GASB 68 reporting purposes.

A DB or Combined Plan member with five or more years of credited service who is determined to be disabled may qualify for a disability benefit. Eligible survivors of members who die before service retirement may qualify for monthly benefits. New members on or after July 1, 2013, must have at least ten years of qualifying service credit to apply for disability benefits. Members in the DC Plan who become disabled are entitled only to their account balance. If a member of the DC Plan dies before retirement benefits begin, the member’s designated beneficiary is entitled to receive the member’s account balance.

6. DEFINED BENEFIT PENSION PLANS (Continued)

Funding Policy - Employer and member contribution rates are established by the State Teachers Retirement Board and limited by Chapter 3307 of the Ohio Revised Code. For fiscal year 2019, plan members were required to contribute 14% of their annual covered salary. The Academy was required to contribute 14%; the entire 14% was the portion used to fund pension obligations. The fiscal year 2019 contribution rates were equal to the statutory maximum rates.

The Academy's contractually required contribution to STRS was \$106,666 for fiscal year 2019. Of this amount, \$8,465 is reported as an intergovernmental payable.

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

The net pension liability was measured as of June 30, 2018, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date. The Academy's proportion of the net pension liability was based on the Academy's share of contributions to the pension plan relative to the projected contributions of all participating entities.

Following is information related to the proportionate share and pension expense:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Proportion of the net pension liability prior measurement date	0.00110420%	0.00712322%	
Proportion of the net pension liability current measurement date	<u>0.00137470%</u>	<u>0.00681048%</u>	
Change in proportionate share	<u>0.00027050%</u>	<u>-0.00031274%</u>	
Proportionate share of the net pension liability	\$ 78,732	\$ 1,497,472	\$ 1,576,204
Pension expense	\$ 2,218	\$ 218,056	\$ 220,274

At June 30, 2019, the Academy reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Deferred outflows of resources			
Differences between expected and actual experience	\$ 4,317	\$ 34,567	\$ 38,884
Changes of assumptions	1,779	265,380	267,159
Difference between Academy contributions and proportionate share of contributions/ change in proportionate share	9,155	121,976	131,131
Academy contributions subsequent to the measurement date	<u>4,668</u>	<u>106,666</u>	<u>111,334</u>
Total deferred outflows of resources	<u>\$ 19,919</u>	<u>\$ 528,589</u>	<u>\$ 548,508</u>

6. DEFINED BENEFIT PENSION PLANS (Continued)

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Deferred inflows of resources			
Differences between expected and actual experience	\$ -	\$ 9,779	\$ 9,779
Net difference between projected and actual earnings on pension plan investments	2,180	90,806	92,986
Difference between Academy contributions and proportionate share of contributions/ change in proportionate share	<u>7,363</u>	<u>65,433</u>	<u>72,796</u>
Total deferred inflows of resources	<u>\$ 9,543</u>	<u>\$ 166,018</u>	<u>\$ 175,561</u>

\$111,334 reported as deferred outflows of resources related to pension resulting from Academy contributions subsequent to the measurement date will be recognized as a reduction of the net pension liability in the year ending June 30, 2020.

Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pension will be recognized in pension expense as follows:

Fiscal Year Ending June 30:	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
2020	\$ 5,288	\$ 202,635	\$ 207,923
2021	3,672	93,873	97,545
2022	(2,583)	(8,870)	(11,453)
2023	<u>(669)</u>	<u>(31,733)</u>	<u>(32,402)</u>
Total	<u>\$ 5,708</u>	<u>\$ 255,905</u>	<u>\$ 261,613</u>

Actuarial Assumptions - SERS

SERS' total pension liability was determined by their actuaries in accordance with GASB Statement No. 67, as part of their annual actuarial valuation for each defined benefit retirement plan. Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts (e.g., salaries, credited service) and assumptions about the probability of occurrence of events far into the future (e.g., mortality, disabilities, retirements, employment termination). Actuarially determined amounts are subject to continual review and potential modifications, as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employers and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing benefit costs between the employers and plan members to that point. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations.

Actuarial calculations reflect a long-term perspective. For a newly hired employee, actuarial calculations will take into account the employee's entire career with the employer and also take into consideration the benefits, if any, paid to the employee after termination of employment until the death of the employee and any applicable contingent annuitant. In many cases actuarial calculations reflect several decades of service with the employer and the payment of benefits after termination.

6. DEFINED BENEFIT PENSION PLANS (Continued)

Key methods and assumptions used in calculating the total pension liability in the latest actuarial valuation, prepared as of June 30, 2018, are presented below:

Wage inflation	3.00%
Future salary increases, including inflation	3.50% to 18.20%
COLA or ad hoc COLA	2.50%
Investment rate of return	7.50% net of investments expense, including inflation
Actuarial cost method	Entry age normal (level percent of payroll)

For 2018, the mortality rates were based on the RP-2014 Blue Collar Mortality Table with fully generational projection and a five-year age set-back for both males and females. Mortality among service retired members, and beneficiaries were based upon the RP-2014 Blue Collar Mortality Table with fully generational projection with Scale BB, 120% of male rates, and 110% of female rates. Mortality among disabled members was based upon the RP-2000 Disabled Mortality Table, 90% for male rates and 100% for female rates, set back five years is used for the period after disability retirement.

The most recent experience study was completed for the five year period ended June 30, 2015.

The long-term return expectation for the Pension Plan Investments has been determined using a building-block approach and assumes a time horizon, as defined in SERS' *Statement of Investment Policy*. A forecasted rate of inflation serves as the baseline for the return expectation. Various real return premiums over the baseline inflation rate have been established for each asset class. The long-term expected nominal rate of return has been determined by calculating a weighted average of the expected real return premiums for each asset class, adding the projected inflation rate, and adding the expected return from rebalancing uncorrelated asset classes.

The target allocation and best estimates of arithmetic real rates of return for each major assets class are summarized in the following table:

Asset Class	Target Allocation	Long Term Expected Real Rate of Return
Cash	1.00 %	0.50 %
US Equity	22.50	4.75
International Equity	22.50	7.00
Fixed Income	19.00	1.50
Private Equity	10.00	8.00
Real Assets	15.00	5.00
Multi-Asset Strategies	10.00	3.00
Total	100.00 %	

Discount Rate - The total pension liability was calculated using the discount rate of 7.50%. The projection of cash flows used to determine the discount rate assumed the contributions from employers and from the members would be computed based on contribution requirements as stipulated by State statute. Projected inflows from investment earning were calculated using the long-term assumed investment rate of return (7.50%). Based on those assumptions, the plan's fiduciary net position was projected to be available to make all future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefits to determine the total pension liability.

6. DEFINED BENEFIT PENSION PLANS (Continued)

Sensitivity of the Academy's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate - Net pension liability is sensitive to changes in the discount rate, and to illustrate the potential impact the following table presents the net pension liability calculated using the discount rate of 7.50%, as well as what each plan's net pension liability would be if it were calculated using a discount rate that is one percentage point lower (6.50%), or one percentage point higher (8.50%) than the current rate.

	1% Decrease (6.50%)	Current Discount Rate (7.50%)	1% Increase (8.50%)
Academy's proportionate share of the net pension liability	\$ 110,899	\$ 78,732	\$ 51,761

Actuarial Assumptions - STRS

Key methods and assumptions used in the latest actuarial valuation, reflecting experience study results used in the July 1, 2018, actuarial valuation is presented below:

	July 1, 2018
Inflation	2.50%
Projected salary increases	12.50% at age 20 to 2.50% at age 65
Investment rate of return	7.45%, net of investment expenses, including inflation
Discount Rate of Return	7.45%
Payroll increases	3.00%
Cost-of-living adjustments (COLA)	0.0%, effective July 1, 2017

For the July 1, 2018, actuarial valuation, post-retirement mortality rates for healthy retirees are based on the RP-2014 Annuitant Mortality Table with 50% of rates through age 69, 70% of rates between ages 70 and 79, 90% of rates between ages 80 and 84, and 100% of rates thereafter, projected forward generationally using mortality improvement scale MP-2016. Post-retirement disabled mortality rates are based on the RP-2014 Disabled Mortality Table with 90% of rates for males and 100% of rates for females, projected forward generationally using mortality improvement scale MP-2016. Pre-retirement mortality rates are based on RP-2014 Employee Mortality Table, projected forward generationally using mortality improvement scale MP-2016.

Actuarial assumptions used in the July 1, 2018 valuation are based on the results of an actuarial experience study for the period July 1, 2011 through June 30, 2016.

6. DEFINED BENEFIT PENSION PLANS (Continued)

STRS Ohio’s investment consultant develops an estimate range for the investment return assumption based on the target allocation adopted by the Retirement Board. The target allocation and long-term expected rate of return for each major asset class are summarized as follows:

Asset Class	Target Allocation**	Long Term Expected Real Rate of Return *
Domestic Equity	28.00 %	7.35 %
International Equity	23.00	7.55
Alternatives	17.00	7.09
Fixed Income	21.00	3.00
Real Estate	10.00	6.00
Liquidity Reserves	1.00	2.25
Total	100.00 %	

*10-Year geometric nominal returns, which include the real rate of return and inflation of 2.25% and does not include investment expenses. Over a 30-year period, STRS’ investment consultant indicates that the above target allocations should generate a return above the actuarial rate of return, without net value added by management.

**The Target Allocation percentage is effective as of July 1, 2017. Target weights will be phased in over a 24-month period concluding on July 1, 2019.

Discount Rate - The discount rate used to measure the total pension liability was 7.45% as of June 30, 2018. The projection of cash flows used to determine the discount rate assumes member and employer contributions will be made at the statutory contribution rates in accordance with rate increases described above. For this purpose, only employer contributions that are intended to fund benefits of current plan members and their beneficiaries are included. Projected employer contributions that are intended to fund the service costs of future plan members and their beneficiaries, as well as projected contributions from future plan members, are not included. Based on those assumptions, STRS’ fiduciary net position was projected to be available to make all projected future benefit payments to current plan members as of June 30, 2018. Therefore, the long-term expected rate of return on pension plan investments of 7.45% was applied to all periods of projected benefit payment to determine the total pension liability as of June 30, 2018.

Sensitivity of the Academy's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate
The following table presents the Academy's proportionate share of the net pension liability calculated using the current period discount rate assumption of 7.45%, as well as what the Academy's proportionate share of the net pension liability would be if it were calculated using a discount rate that is one-percentage-point lower (6.45%) or one-percentage-point higher (8.45%) than the current rate:

	1% Decrease (6.45%)	Current Discount Rate (7.45%)	1% Increase (8.45%)
Academy's proportionate share of the net pension liability	\$ 2,186,860	\$ 1,497,472	\$ 913,998

7. DEFINED BENEFIT OPEB PLANS

Net OPEB Liability/Asset

The net OPEB liability/asset reported on the statement of net position represents a liability/asset to employees for OPEB. OPEB is a component of exchange transactions—between an employer and its employees—of salaries and benefits for employee services. OPEB are provided to an employee—on a deferred-payment basis—as part of the total compensation package offered by an employer for employee services each financial period. The obligation to sacrifice resources for OPEB is a present obligation because it was created as a result of employment exchanges that already have occurred.

The net OPEB liability/asset represents the Academy's proportionate share of each OPEB plan's collective actuarial present value of projected benefit payments attributable to past periods of service, net of each OPEB plan's fiduciary net position. The net OPEB liability/asset calculation is dependent on critical long-term variables, including estimated average life expectancies, earnings on investments, cost of living adjustments and others. While these estimates use the best information available, unknowable future events require adjusting these estimates annually.

The Ohio Revised Code limits the Academy's obligation for this liability to annually required payments. The Academy cannot control benefit terms or the manner in which OPEB are financed; however, the Academy does receive the benefit of employees' services in exchange for compensation including OPEB.

GASB 75 assumes the liability is solely the obligation of the employer, because they benefit from employee services. OPEB contributions come from these employers and health care plan enrollees which pay a portion of the health care costs in the form of a monthly premium. The Ohio Revised Code permits, but does not require the retirement systems to provide healthcare to eligible benefit recipients. Any change to benefits or funding could significantly affect the net OPEB liability/asset. Resulting adjustments to the net OPEB liability/asset would be effective when the changes are legally enforceable. The retirement systems may allocate a portion of the employer contributions to provide for these OPEB benefits.

The proportionate share of each plan's unfunded benefits is presented as a long-term *net OPEB liability* or *net OPEB asset* on the accrual basis of accounting. Any liability for the contractually required OPEB contribution outstanding at the end of the year is included as an *intergovernmental payable*.

Plan Description - School Employees Retirement System (SERS)

Health Care Plan Description - The Academy contributes to the SERS Health Care Fund, administered by SERS for non-certificated retirees and their beneficiaries. For GASB 75 purposes, this plan is considered a cost-sharing other postemployment benefit (OPEB) plan. SERS' Health Care Plan provides healthcare benefits to eligible individuals receiving retirement, disability, and survivor benefits, and to their eligible dependents. Members who retire after June 1, 1986, need 10 years of service credit, exclusive of most types of purchased credit, to qualify to participate in SERS' health care coverage. In addition to age and service retirees, disability benefit recipients and beneficiaries who are receiving monthly benefits due to the death of a member or retiree, are eligible for SERS' health care coverage. Most retirees and dependents choosing SERS' health care coverage are over the age of 65 and therefore enrolled in a fully insured Medicare Advantage plan; however, SERS maintains a traditional, self-insured preferred provider organization for its non-Medicare retiree population. For both groups, SERS offers a self-insured prescription drug program. Health care is a benefit that is permitted, not mandated, by statute. The financial report of the Plan is included in the SERS Comprehensive Annual Financial Report which can be obtained on SERS' website at www.ohsers.org under Employers/Audit Resources.

7. DEFINED BENEFIT OPEB PLANS (Continued)

Access to health care for retirees and beneficiaries is permitted in accordance with Section 3309 of the Ohio Revised Code. The Health Care Fund was established and is administered in accordance with Internal Revenue Code Section 105(e). SERS' Retirement Board reserves the right to change or discontinue any health plan or program. Active employee members do not contribute to the Health Care Plan. The SERS Retirement Board established the rules for the premiums paid by the retirees for health care coverage for themselves and their dependents or for their surviving beneficiaries. Premiums vary depending on the plan selected, qualified years of service, Medicare eligibility, and retirement status.

Funding Policy - State statute permits SERS to fund the health care benefits through employer contributions. Each year, after the allocation for statutorily required pensions and benefits, the Retirement Board may allocate the remainder of the employer contribution of 14% of covered payroll to the Health Care Fund in accordance with the funding policy. For fiscal year 2019, 0.5% of covered payroll was made to health care. An additional health care surcharge on employers is collected for employees earning less than an actuarially determined minimum compensation amount, pro-rated if less than a full year of service credit was earned. For fiscal year 2019, this amount was \$21,600. Statutes provide that no employer shall pay a health care surcharge greater than 2% of that employer's SERS-covered payroll; nor may SERS collect in aggregate more than 1.5% of the total statewide SERS-covered payroll for the health care surcharge. For fiscal year 2019, the Academy did not have a surcharge obligation.

The Academy's contractually required contribution to SERS was \$173 for fiscal year 2019. Of this amount, \$15 is reported as an intergovernmental payable.

Plan Description - State Teachers Retirement System (STRS)

Plan Description – The State Teachers Retirement System of Ohio (STRS) administers a cost-sharing Health Plan administered for eligible retirees who participated in the defined benefit or combined pension plans offered by STRS. Ohio law authorizes STRS to offer this plan. Benefits include hospitalization, physicians' fees, prescription drugs and partial reimbursement of monthly Medicare Part B premiums. Medicare Part B premium reimbursements will be discontinued effective January 1, 2020. The Plan is included in the report of STRS which can be obtained by visiting www.strsoh.org or by calling (888) 227-7877.

Funding Policy – Ohio Revised Code Chapter 3307 authorizes STRS to offer the Plan and gives the Retirement Board discretionary authority over how much, if any, of the health care costs will be absorbed by STRS. Active employee members do not contribute to the Health Care Plan. Nearly all health care plan enrollees, for the most recent year, pay a portion of the health care costs in the form of a monthly premium. Under Ohio law, funding for post-employment health care may be deducted from employer contributions, currently 14% of covered payroll. For the fiscal year ended June 30, 2019, STRS did not allocate any employer contributions to post-employment health care.

7. DEFINED BENEFIT OPEB PLANS (Continued)

OPEB Liabilities/Assets, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

The net OPEB liability/asset was measured as of June 30, 2018, and the total OPEB liability/asset used to calculate the net OPEB liability/asset was determined by an actuarial valuation as of that date. The Academy's proportion of the net OPEB liability/asset was based on the Academy's share of contributions to the respective retirement systems relative to the contributions of all participating entities. Following is information related to the proportionate share and OPEB expense:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Proportion of the net OPEB liability prior measurement date	0.00112500%	0.00712322%	
Proportion of the net OPEB liability/asset current measurement date	<u>0.00139440%</u>	<u>0.00681048%</u>	
Change in proportionate share	<u>0.00026940%</u>	<u>-0.00031274%</u>	
Proportionate share of the net OPEB liability	\$ 38,684	\$ -	\$ 38,684
Proportionate share of the net OPEB asset	\$ -	\$ (109,437)	\$ (109,437)
OPEB expense	\$ 2,172	\$ (239,899)	\$ (237,727)

At June 30, 2019, the Academy reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Deferred outflows of resources			
Differences between expected and actual experience	\$ 631	\$ 12,783	\$ 13,414
Difference between Academy contributions and proportionate share of contributions/ change in proportionate share	6,354	-	6,354
Academy contributions subsequent to the measurement date	<u>173</u>	<u>-</u>	<u>173</u>
Total deferred outflows of resources	<u>\$ 7,158</u>	<u>\$ 12,783</u>	<u>\$ 19,941</u>
	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Deferred inflows of resources			
Differences between expected and actual experience	\$ -	\$ 6,376	\$ 6,376
Net difference between projected and actual earnings on pension plan investments	58	12,503	12,561
Changes of assumptions	3,475	149,118	152,593
Difference between employer contributions and proportionate share of contributions/ change in proportionate share	<u>1,606</u>	<u>14,521</u>	<u>16,127</u>
Total deferred inflows of resources	<u>\$ 5,139</u>	<u>\$ 182,518</u>	<u>\$ 187,657</u>

7. DEFINED BENEFIT OPEB PLANS (Continued)

\$173 reported as deferred outflows of resources related to OPEB resulting from Academy contributions subsequent to the measurement date will be recognized as a reduction of the net OPEB liability/asset in the year ending June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Fiscal Year Ending June 30:	SERS	STRS	Total
2020	\$ (1,152)	\$ (30,322)	\$ (31,474)
2021	(624)	(30,322)	(30,946)
2022	1,048	(30,322)	(29,274)
2023	1,072	(27,485)	(26,413)
2024	1,068	(26,488)	(25,420)
Thereafter	434	(24,796)	(24,362)
Total	\$ 1,846	\$ (169,735)	\$ (167,889)

Actuarial Assumptions - SERS

The total OPEB liability is determined by SERS' actuaries in accordance with GASB Statement No. 74, as part of their annual actuarial valuation for each retirement plan. Actuarial valuations of an ongoing plan involve estimates of the value of reported amounts (e.g., salaries, credited service) and assumptions about the probability of occurrence of events far into the future (e.g., mortality, disabilities, retirements, employment terminations). Actuarially determined amounts are subject to continual review and potential modifications, as actual results are compared with past expectations and new estimates are made about the future.

Projections of benefits for financial reporting purposes are based on the substantive plan (the plan as understood by the employers and plan members) and include the types of benefits provided at the time of each valuation and the historical pattern of sharing benefit costs between the employers and plan members to that point. The projection of benefits for financial reporting purposes does not explicitly incorporate the potential effects of legal or contractual funding limitations.

Actuarial calculations reflect a long-term perspective. For a newly hired employee, actuarial calculations will take into account the employee's entire career with the employer and also take into consideration the benefits, if any, paid to the employee after termination of employment until the death of the employee and any applicable contingent annuitant. In many cases, actuarial calculations reflect several decades of service with the employer and the payment of benefits after termination.

7. DEFINED BENEFIT OPEB PLANS (Continued)

Key methods and assumptions used in calculating the total OPEB liability in the latest actuarial valuation date of June 30, 2018, are presented below:

Wage inflation	3.00%
Future salary increases, including inflation	3.50% to 18.20%
Investment rate of return	7.50% net of investments expense, including inflation
Municipal bond index rate:	
Measurement date	3.62%
Prior measurement date	3.56%
Single equivalent interest rate, net of plan investment expense, including price inflation:	
Measurement date	3.70%
Prior measurement date	3.63%
Medical trend assumption:	
Medicare	5.375 to 4.75%
Pre-Medicare	7.25 to 4.75%

Mortality rates were based on the RP-2014 Blue Collar Mortality Table with fully generational projection and Scale BB, 120% of male rates and 110% of female rates. RP-2000 Disabled Mortality Table with 90% for male rates and 100% for female rates set back five years.

The most recent experience study was completed for the five-year period ended June 30, 2015.

The long-term expected rate of return on plan assets is reviewed as part of the actuarial five-year experience study. The most recent study covers fiscal years 2010 through 2015 and was adopted by the Board on April 21, 2016. Several factors are considered in evaluating the long-term rate of return assumption including long-term historical data, estimates inherent in current market data, and a log-normal distribution analysis in which best-estimate ranges of expected future real rates of return were developed by the investment consultant for each major asset class. These ranges were combined to produce the long-term expected rate of return, 7.50%, by weighting the expected future real rates of return by the target asset allocation percentage and then adding expected inflation. The capital market assumptions developed by the investment consultant are intended for use over a 10-year horizon and may not be useful in setting the long-term rate of return for funding pension plans which covers a longer timeframe. The assumption is intended to be a long-term assumption and is not expected to change absent a significant change in the asset allocation, a change in the inflation assumption, or a fundamental change in the market that alters expected returns in future years.

The target asset allocation and best estimates of arithmetic real rates of return for each major asset class, as used in the June 30, 2015 five-year experience study, are summarized as follows:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
Cash	1.00 %	0.50 %
US Equity	22.50	4.75
International Equity	22.50	7.00
Fixed Income	19.00	1.50
Private Equity	10.00	8.00
Real Assets	15.00	5.00
Multi-Asset Strategies	10.00	3.00
Total	100.00 %	

7. DEFINED BENEFIT OPEB PLANS (Continued)

Discount Rate - The discount rate used to measure the total OPEB liability at June 30, 2018 was 3.70%. The discount rate used to measure total OPEB liability prior to June 30, 2018 was 3.63%. The projection of cash flows used to determine the discount rate assumed that contributions will be made from members and the System at the state statute contribution rate of 2.00% of projected covered employee payroll each year, which includes a 1.50% payroll surcharge and 0.50% of contributions from the basic benefits plan. Based on these assumptions, the OPEB plan's fiduciary net position was projected to become insufficient to make future benefit payments during the fiscal year ending June 30, 2026. Therefore, the long-term expected rate of return on OPEB plan assets was used to present value the projected benefit payments through the fiscal year ending June 30, 2025 and the Fidelity General Obligation 20-year Municipal Bond Index rate of 3.62%, as of June 30, 2018 (i.e. municipal bond rate), was used to present value the projected benefit payments for the remaining years in the projection. A municipal bond rate of 3.56% was used as of June 30, 2017. The total present value of projected benefit payments from all years was then used to determine the single rate of return that was used as the discount rate. The projection of future benefit payments for all current plan members was until the benefit payments ran out.

Sensitivity of the Academy's Proportionate Share of the Net OPEB Liability to Changes in the Discount Rate and Changes in the Health Care Cost Trend Rates - The net OPEB liability is sensitive to changes in the discount rate and the health care cost trend rate. The following table presents the net OPEB liability of SERS, what SERS' net OPEB liability would be if it were calculated using a discount rate that is 1 percentage point lower (2.70%) and higher (4.70%) than the current discount rate (3.70%). Also shown is what SERS' net OPEB liability would be based on health care cost trend rates that are 1 percentage point lower (6.5% decreasing to 3.75%) and higher (8.5% decreasing to 5.75%) than the current rate.

	1% Decrease (2.70%)	Discount Rate (3.70%)	1% Increase (4.70%)
Academy's proportionate share of the net OPEB liability	\$ 46,941	\$ 38,684	\$ 32,147

	1% Decrease (6.5 % decreasing to 3.75 %)	Current Trend Rate (7.5 % decreasing to 4.75 %)	1% Increase (8.5 % decreasing to 5.75 %)
Academy's proportionate share of the net OPEB liability	\$ 31,211	\$ 38,684	\$ 48,580

7. DEFINED BENEFIT OPEB PLANS (Continued)***Actuarial Assumptions - STRS***

Key methods and assumptions used in the latest actuarial valuation, reflecting experience study results used in the July 1, 2018, actuarial valuation, compared with July 1, 2017, are presented below:

	July 1, 2018		July 1, 2017
	Initial	Ultimate	
Inflation	2.50%		2.50%
Projected salary increases	12.50% at age 20 to 2.50% at age 65		12.50% at age 20 to 2.50% at age 65
Investment rate of return	7.45%, net of investment expenses, including inflation		7.45%, net of investment expenses, including inflation
Payroll increases	3.00%		3.00%
Cost-of-living adjustments (COLA)	0.00%		0.00%, effective July 1, 2017
Discounted rate of return	7.45%		N/A
Blended discount rate of return	N/A		4.13%
Health care cost trends			6 to 11% initial, 4.50% ultimate
Medical			
Pre-Medicare	6.00%	4.00%	
Medicare	5.00%	4.00%	
Prescription Drug			
Pre-Medicare	8.00%	4.00%	
Medicare	-5.23%	4.00%	

Projections of benefits include the historical pattern of sharing benefit costs between the employers and retired plan members.

For healthy retirees the mortality rates are based on the RP-2014 Annuitant Mortality Table with 50% of rates through age 69, 70% of rates between ages 70 and 79, 90% of rates between ages 80 and 84, and 100% of rates thereafter, projected forward generationally using mortality improvement scale MP-2016. For disabled retirees, mortality rates are based on the RP-2014 Disabled Mortality Table with 90% of rates for males and 100% of rates for females, projected forward generationally using mortality improvement scale MP-2016.

Actuarial assumptions used in the June 30, 2018, valuation is based on the results of an actuarial experience study for the period July 1, 2011 through June 30, 2016.

Assumption Changes Since the Prior Measurement Date - The discount rate was increased from the blended rate of 4.13% to the long-term expected rate of return of 7.45% based on the methodology defined under GASB Statement No. 74, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans (OPEB). Valuation year per capita health care costs were updated.

Benefit Term Changes Since the Prior Measurement Date - The subsidy multiplier for non-Medicare benefit recipients was increased from 1.90% to 1.944% per year of service effective January 1, 2019. The non-Medicare frozen subsidy base premium was increased effective January 1, 2019 and all remaining Medicare Part B premium reimbursements will be discontinued beginning January 1, 2020. However, in June of 2019, the STRS Board voted to extend the current Medicaid Part B partial reimbursement for one year.

7. DEFINED BENEFIT OPEB PLANS (Continued)

STRS' investment consultant develops an estimate range for the investment return assumption based on the target allocation adopted by the Retirement Board. The target allocation and long-term expected rate of return for each major asset class are summarized as follows:

Asset Class	Target Allocation**	Long Term Expected Real Rate of Return *
Domestic Equity	28.00 %	7.35 %
International Equity	23.00	7.55
Alternatives	17.00	7.09
Fixed Income	21.00	3.00
Real Estate	10.00	6.00
Liquidity Reserves	1.00	2.25
Total	100.00 %	

*10-Year geometric nominal returns, which include the real rate of return and inflation of 2.25% and does not include investment expenses. Over a 30-year period, STRS' investment consultant indicates that the above target allocations should generate a return above the actuarial rate of return, without net value added by management.

** The Target Allocation percentage is effective as of July 1, 2017. Target weights will be phased in over a 24-month period concluding on July 1, 2019.

Discount Rate - The discount rate used to measure the total OPEB asset was 7.45% as of June 30, 2018. A discount rate used to measure the total OPEB liability was 4.13% as of June 30, 2017. The projection of cash flows used to determine the discount rate assumes STRS Ohio continues to allocate no employer contributions to the health care fund. Based on these assumptions, the OPEB plan's fiduciary net position was projected to be available to make all projected future benefit payments to current plan members. Therefore, the long-term expected rate of return on health care plan investments of 7.45% was used to measure the total OPEB asset as of June 30, 2018.

Sensitivity of the Academy's Proportionate Share of the Net OPEB Asset to Changes in the Discount and Health Care Cost Trend Rate - The following table represents the net OPEB asset as of June 30, 2018, calculated using the current period discount rate assumption of 7.45%, as well as what the net OPEB asset would be if it were calculated using a discount rate that is one percentage point lower (6.45%) or one percentage point higher (8.45%) than the current assumption. Also shown is the net OPEB asset as if it were calculated using health care cost trend rates that are one percentage point lower or one percentage point higher than the current health care cost trend rates.

	1% Decrease (6.45%)	Discount Rate (7.45%)	1% Increase (8.45%)
Academy's proportionate share of the net OPEB asset	\$ 93,798	\$ 109,437	\$ 122,582
	1% Decrease	Trend Rate	1% Increase
Academy's proportionate share of the net OPEB asset	\$ 121,840	\$ 109,437	\$ 96,842

8. RISK MANAGEMENT**A. Property and Liability**

The Academy is exposed to various risks of loss related to torts; theft of, damage to and destruction of assets; errors and omissions; injuries to employees; and natural disasters. During fiscal year 2019, the Academy contracted with Hanover Insurance Company for property and general liability insurance with a \$1,000,000 single occurrence limit and \$3,000,000 annual aggregate and no deductible. There has been no reduction in coverage from the prior year. There have been no settlements exceeding coverage in any of the last three fiscal years and there has been no significant reduction in coverage from the prior year.

B. Workers Compensation

The Academy pays the State Workers Compensation System a premium for employee injury coverage. The premium is calculated by multiplying the monthly total gross payroll by a factor that is calculated by the State. 100% of this premium was paid for fiscal year 2019.

9. EMPLOYEE MEDICAL AND DENTAL BENEFITS

The Academy has contracted with a private carrier to provide employee medical/surgical benefits. The Academy pays 60% of the monthly premium and the employee is responsible for the remaining 40%. The Academy has also contracted with private carriers to provide dental coverage. The Academy pays 60% of the monthly premium and the employee is responsible for the remaining 40%.

10. PURCHASED SERVICES

Purchased service expenses during fiscal year 2019 were as follows:

Purchased Services

Type	Amount
Professional Services	\$ 296,502
Rent and Property Services	359,922
Travel Mileage/Meeting Expense	1,349
Advertising and Communications	16,774
Utility Services	27,423
Contracted Craft or Trade Services	78,583
Other Purchased Services	2,592
Total	\$ 783,145

11. CAPITAL LEASES

In fiscal year 2016, the Academy entered into a capitalized lease agreement for a car. The lease meets the criteria of a capital lease as defined by accounting principles generally accepted in the United States, which defines a capital lease generally as one which transfers benefits and risks of ownership to the lessee. The capital leases were recorded at the present value of the future minimum lease payments as of the inception date. Capital assets consisting of vehicles have been capitalized in the amount of \$7,164. At June 30, 2019, accumulated depreciation was \$7,164, leaving a book value of \$0. The Academy made final principal payments of \$1,592 during fiscal year 2019. There is no remaining capital lease obligation at June 30, 2019.

12. OPERATING LEASES

In August 2012, the Academy moved into its new location at 4751 Sue Ann Blvd. Dayton, OH 45415 signing a sublease contract with its sister school, Horizon Science Academy Dayton High School. The Academy will be sharing the gym and the cafeteria with the high school. According to the agreement the Academy is responsible for one third of the rent for the whole building. Horizon Science Academy Dayton High School is leasing the building from New Plan Learning until July 2041. New Plan Learning is an Ohio based non-profit organization that acquires and manages school facilities for Concept Schools. The Academy paid \$319,516 in fiscal year 2019.

13. CONTINGENCIES

A. Grants

The Academy received financial assistance from federal and state agencies in the form of grants. The disbursement of funds received under these programs generally requires compliance with terms and conditions specified in the grant agreements and are subject to audit by the grantor agencies. Any disallowed claims resulting from such audits could become a liability of the Academy. However, in the opinion of management, any such disallowed claims will not have a material effect on the financial position of the Academy. In fiscal year 2019, the Academy received grants from State and Federal agencies total of \$576,194.

B. Ohio Department of Education Enrollment Review

Academy foundation funding is based on the annualized full-time equivalent (FTE) enrollment of each student. However, there is an important nexus between attendance and enrollment for Foundation funding purposes. Community schools must provide documentation that clearly demonstrates students have participated in learning opportunities. The ODE is legislatively required to adjust/reconcile funding as enrollment information is updated by schools throughout the State, which can extend past the fiscal year end.

Under Ohio Rev. Code Section 3314.08, ODE may also perform a FTE Review subsequent to the fiscal year end that may result in an additional adjustment to the enrollment information as well as claw backs of Foundation funding due to a lack of evidence to support student participation and other matters of noncompliance. ODE performed such a review on the Academy for fiscal year 2019.

As of the date of this report, ODE finalized the impact of enrollment adjustments to the June 30, 2019 Foundation funding for the Academy. These adjustments resulted in a payable of \$4,887, which will be paid by the Academy in fiscal year 2020. This liability is reflected in the accompanying financial statements.

In addition, the Academy's contracts with Buckeye Community Hope Foundation and Concept Schools require payment based on revenues received from the State. As discussed above, the impact on the fiscal year 2019 financial statements related to additional reconciliation necessary with these contracts, is not material to the Academy.

14. SPONSORSHIP AGREEMENT

On November 18, 2004, the Academy signed a sponsorship agreement with the Educational Service Center of Lake Erie West (formerly known as the Lucas County Educational Service Center). The Sponsor is responsible for evaluating the performance of the Academy and has the authority to deny renewal of the contract at its expiration or terminate the contract prior to its expiration. The contract has been extended again in 2014 until June 30, 2019. According to the contract, the Academy pays 2% of its foundation revenues to the Sponsor. In fiscal year 2019, the school's compensation to the Sponsor was \$32,555.

15. MANAGEMENT COMPANY AGREEMENT

The Academy contracted with Concepts Schools, Inc. to serve as the Academy's management company. The contract is renewed automatically every year in one-year terms unless the Academy or the management company decides otherwise. The management contract was amended in fiscal year 2017. According to amended terms, the School shall automatically transfer ten percent (10%) of the funds received from the State when such funds are immediately available in the School's accounts. In fiscal year 2019, the Academy paid \$78,000 to Concept Schools for management services, and the remaining fee balance of \$96,580 was forgiven by Concept Schools, and is reflected in the Statement of Revenues, Expenses and Change in Net Position as donated management fee.

16. RELATED PARTIES

The Board members for the Academy are also Board members for other Horizon Science Academy Schools that are managed by the same management company, Concept Schools, Inc.

17. SUBSEQUENT EVENT

The United States and the State of Ohio declared a state of emergency in March 2020 due to the COVID-19 pandemic. The financial impact of COVID-19 and the ensuing emergency measures will impact subsequent periods of the Academy. The Academy's investments of the pension and other employee benefit plan in which the Academy participates have incurred a significant decline in fair value, consistent with the general decline in financial markets. However, because the values of individual investments fluctuate with market conditions, and due to market volatility, the amount of losses that will be recognized in subsequent periods, if any, cannot be determined. In addition, the impact on the Academy's future operating costs, revenues, and any recovery from emergency funding, either federal or state, cannot be estimated.

SCHEDULE OF THE ACADEMY'S PROPORTIONATE SHARE OF
THE NET PENSION LIABILITY
SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

LAST SIX FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>
Academy's proportion of the net pension liability	0.00137470%	0.00110420%	0.00117710%
Academy's proportionate share of the net pension liability	\$ 78,732	\$ 65,974	\$ 86,153
Academy's covered payroll	\$ 47,496	\$ 37,357	\$ 36,650
Academy's proportionate share of the net pension liability as a percentage of its covered payroll	165.77%	176.60%	235.07%
Plan fiduciary net position as a percentage of the total pension liability	71.36%	69.50%	62.98%

Note: Information prior to 2014 was unavailable. Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Amounts presented for each fiscal year were determined as of the Academy's measurement date which is the prior year-end.

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

<u>2016</u>	<u>2015</u>	<u>2014</u>
0.00163120%	0.00175900%	0.00175900%
\$ 93,078	\$ 89,022	\$ 104,602
\$ 49,105	\$ 51,111	\$ 44,747
189.55%	174.17%	233.76%
69.16%	71.70%	65.52%

SCHEDULE OF THE ACADEMY'S PROPORTIONATE SHARE OF
THE NET PENSION LIABILITY
STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

LAST SIX FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>
Academy's proportion of the net pension liability	0.00681048%	0.00712322%	0.00721159%
Academy's proportionate share of the net pension liability	\$ 1,497,472	\$ 1,692,136	\$ 2,413,937
Academy's covered payroll	\$ 771,414	\$ 781,364	\$ 764,879
Academy's proportionate share of the net pension liability as a percentage of its covered payroll	194.12%	216.56%	315.60%
Plan fiduciary net position as a percentage of the total pension liability	77.31%	75.30%	66.80%

Note: Information prior to 2014 was unavailable. Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Amounts presented for each fiscal year were determined as of the Academy's measurement date which is the prior year-end.

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

<u>2016</u>	<u>2015</u>	<u>2014</u>
0.00672726%	0.00556103%	0.00556103%
\$ 1,859,218	\$ 1,352,635	\$ 1,611,250
\$ 701,879	\$ 568,185	\$ 625,254
264.89%	238.06%	257.70%
72.10%	74.70%	69.30%

SCHEDULE OF ACADEMY'S PENSION CONTRIBUTIONS
SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

LAST TEN FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Contractually required contribution	\$ 4,668	\$ 6,412	\$ 5,230	\$ 5,131
Contributions in relation to the contractually required contribution	<u>(4,668)</u>	<u>(6,412)</u>	<u>(5,230)</u>	<u>(5,131)</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Academy's covered payroll	\$ 34,578	\$ 47,496	\$ 37,357	\$ 36,650
Contributions as a percentage of covered payroll	13.50%	13.50%	14.00%	14.00%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
\$ 6,472	\$ 7,084	\$ 6,193	\$ 4,620	\$ 4,641	\$ 6,206
<u>(6,472)</u>	<u>(7,084)</u>	<u>(6,193)</u>	<u>(4,620)</u>	<u>(4,641)</u>	<u>(6,206)</u>
<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
\$ 49,105	\$ 51,111	\$ 44,747	\$ 34,349	\$ 36,921	\$ 45,835
13.18%	13.86%	13.84%	13.45%	12.57%	13.54%

SCHEDULE OF ACADEMY'S PENSION CONTRIBUTIONS
STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

LAST TEN FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Contractually required contribution	\$ 106,666	\$ 107,998	\$ 109,391	\$ 107,083
Contributions in relation to the contractually required contribution	<u>(106,666)</u>	<u>(107,998)</u>	<u>(109,391)</u>	<u>(107,083)</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Academy's covered payroll	\$ 761,900	\$ 771,414	\$ 781,364	\$ 764,879
Contributions as a percentage of covered payroll	14.00%	14.00%	14.00%	14.00%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
\$ 98,263	\$ 73,864	\$ 81,283	\$ 95,214	\$ 87,700	\$ 89,270
<u>(98,263)</u>	<u>(73,864)</u>	<u>(81,283)</u>	<u>(95,214)</u>	<u>(87,700)</u>	<u>(89,270)</u>
<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
\$ 701,879	\$ 568,185	\$ 625,254	\$ 732,415	\$ 674,615	\$ 686,692
14.00%	13.00%	13.00%	13.00%	13.00%	13.00%

SCHEDULE OF THE ACADEMY'S PROPORTIONATE SHARE OF
THE NET OPEB LIABILITY
SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

LAST THREE FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>
Academy's proportion of the net OPEB liability	0.00139440%	0.00112500%	0.00124196%
Academy's proportionate share of the net OPEB liability	\$ 38,684	\$ 30,192	\$ 35,401
Academy's covered payroll	\$ 47,496	\$ 37,357	\$ 36,650
Academy's proportionate share of the net OPEB liability as a percentage of its covered payroll	81.45%	80.82%	96.59%
Plan fiduciary net position as a percentage of the total OPEB liability	13.57%	12.46%	11.49%

Note: Information prior to 2017 was unavailable. Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Amounts presented for each fiscal year were determined as of the Academy's measurement date which is the prior year-end.

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF THE ACADEMY'S PROPORTIONATE SHARE OF
THE NET OPEB LIABILITY
STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

LAST THREE FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>
Academy's proportion of the net OPEB liability/asset	0.00681048%	0.00712322%	0.00721159%
Academy's proportionate share of the net OPEB liability/(asset)	\$ (109,437)	\$ 277,922	\$ 385,678
Academy's covered payroll	\$ 771,414	\$ 781,364	\$ 764,879
Academy's proportionate share of the net OPEB liability/asset as a percentage of its covered payroll	14.19%	35.57%	50.42%
Plan fiduciary net position as a percentage of the total OPEB liability/asset	176.00%	47.10%	37.30%

Note: Information prior to 2017 was unavailable. Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Amounts presented for each fiscal year were determined as of the Academy's measurement date which is the prior year-end.

SCHEDULE OF ACADEMY'S OPEB CONTRIBUTIONS
SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

LAST TEN FISCAL YEARS

	2019	2018	2017	2016
Contractually required contribution	\$ 173	\$ 989	\$ 634	\$ 839
Contributions in relation to the contractually required contribution	(173)	(989)	(634)	(839)
Contribution deficiency (excess)	\$ -	\$ -	\$ -	\$ -
Academy's covered payroll	\$ 34,578	\$ 47,496	\$ 37,357	\$ 36,650
Contributions as a percentage of covered payroll	0.50%	2.08%	1.70%	2.29%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
\$ 1,311	\$ 2,413	\$ 67	\$ 172	\$ 450	\$ 193
<u>(1,311)</u>	<u>(2,413)</u>	<u>(67)</u>	<u>(172)</u>	<u>(450)</u>	<u>(193)</u>
<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
\$ 49,105	\$ 51,111	\$ 44,747	\$ 34,349	\$ 36,921	\$ 45,835
2.67%	4.72%	0.15%	0.50%	1.22%	0.42%

SCHEDULE OF ACADEMY'S OPEB CONTRIBUTIONS
STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

LAST TEN FISCAL YEARS

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Contractually required contribution	\$ -	\$ -	\$ -	\$ -
Contributions in relation to the contractually required contribution	-	-	-	-
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
Academy's covered payroll	\$ 761,900	\$ 771,414	\$ 781,364	\$ 764,879
Contributions as a percentage of covered payroll	0.00%	0.00%	0.00%	0.00%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
\$ -	\$ 5,682	\$ 6,253	\$ 7,324	\$ 6,746	\$ 6,867
-	(5,682)	(6,253)	(7,324)	(6,746)	(6,867)
<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
\$ 701,879	\$ 568,185	\$ 625,254	\$ 732,415	\$ 674,615	\$ 686,692
0.00%	1.00%	1.00%	1.00%	1.00%	1.00%

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NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION
FOR THE FISCAL YEAR ENDED JUNE 30, 2019

PENSION

SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

Changes in benefit terms: There were no changes in benefit terms from the amounts reported for fiscal years 2014-2017. For fiscal year 2018, SERS changed from a fixed 3% annual increase to a Cost of Living Adjustment (COLA) based on the changes in the Consumer Price Index (CPI-W), with a cap of 2.5% and a floor of 0%. There were no changes in benefit terms from the amounts previously reported for fiscal year 2019.

Changes in assumptions: There were no changes in methods and assumptions used in the calculation of actuarial determined contributions for fiscal years 2014-2016. For fiscal year 2017, the following changes of assumptions affected the total pension liability since the prior measurement date: (a) the assumed rate of inflation was reduced from 3.25% to 3.00%, (b) payroll growth assumption was reduced from 4.00% to 3.50%, (c) assumed real wage growth was reduced from 0.75% to 0.50%, (d) Rates of withdrawal, retirement and disability were updated to reflect recent experience, (e) mortality among active members was updated to RP-2014 Blue Collar Mortality Table with fully generational projection and a five year age set-back for both males and females, (f) mortality among service retired members, and beneficiaries was updated to the following RP-2014 Blue Collar Mortality Table with fully generational projection with Scale BB, 120% of male rates, and 110% of female rates, (g) mortality among disabled members was updated to RP-2000 Disabled Mortality Table, 90% for male rates and 100% for female rates, set back five years is used for the period after disability retirement and (h) the discount rate was reduced from 7.75% to 7.50%. There were no changes in methods and assumptions used in the calculation of actuarial determined contributions for fiscal years 2018-2019.

STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

Changes in benefit terms: There were no changes in benefit terms from the amounts reported for fiscal years 2014-2017. For fiscal year 2018, STRS decreased the Cost of Living Adjustment (COLA) to zero. There were no changes in benefit terms from amounts previously reported for fiscal year 2019.

Changes in assumptions: There were no changes in methods and assumptions used in the calculation of actuarial determined contributions for fiscal years 2014-2017. For fiscal year 2018, the following changes of assumption affected the total pension liability since the prior measurement date: (a) the long term expected rate of return was reduced from 7.75% to 7.45%, (b) the inflation assumption was lowered from 2.75% to 2.50%, (c) the payroll growth assumption was lowered to 3.00%, (d) total salary increases rate was lowered by decreasing the merit component of the individual salary increases, in addition to a decrease of 0.25% due to lower inflation (e) the healthy and disabled mortality assumptions were updated to the RP-2014 mortality tables with generational improvement scale MP-2016 and (f) rates of retirement, termination and disability were modified to better reflect anticipated future experience. There were no changes in methods and assumptions used in the calculation of actuarial determined contributions for fiscal year 2019.

(Continued)

NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION (CONTINUED)
FOR THE FISCAL YEAR ENDED JUNE 30, 2019

OTHER POSTEMPLOYMENT BENEFITS (OPEB)

SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

Changes in benefit terms: There were no changes in benefit terms from the amounts previously reported for fiscal years 2017-2019.

Changes in assumptions: There were no changes in methods and assumptions used in the calculation of actuarial determined contributions for fiscal year 2017. For fiscal year 2018, the following changes of assumptions affected the total OPEB liability since the prior measurement date: (a) assumed rate of inflation was reduced from 3.25% to 3.00%, (b) payroll growth assumption was reduced from 4.00% to 3.50%, (c) assumed real wage growth was reduced from 0.75% to 0.50%, (d) rates of withdrawal, retirement, and disability were updated to reflect recent experience, (e) mortality among active members was updated to the following: RP-2014 Blue Collar Mortality Table with fully generational projection and a five-year age set-back for both males and females, (f) mortality among service retired members, and beneficiaries was updated to the following: RP-2014 Blue Collar Mortality Table with fully generational projection with Scale BB, 120% of male rates, and 110% of female rates, (g) mortality among disabled members was updated to the following: RP-2000 Disabled Mortality Table, 90% for male rates and 100% for female rates, set back five years is used for the period after disability retirement, (h) the municipal bond index rate increased from 2.92% to 3.56% and (i) the single equivalent interest rate, net of plan investment expense, including price inflation increased from 2.98% to 3.63%. For fiscal year 2019, the following changes of assumptions affected the total OPEB liability since the prior measurement date: (a) the discount rate increased from 3.63% to 3.70%, (b) the health care cost trend rate for Medicare were changed from a range of 5.50%-5.00% to a range of 5.375%-4.75% and Pre-Medicare were changed from a range of 7.50%-5.00% to a range of 7.25%-4.75%, (c) the municipal bond index rate increased from 3.56% to 3.62% and (i) the single equivalent interest rate, net of plan investment expense, including price inflation increased from 3.63% to 3.70%.

STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

Changes in benefit terms: There were no changes in benefit terms from the amounts previously reported for fiscal year 2017. For fiscal year 2018, STRS reduced the subsidy multiplier for non-Medicare benefit recipients from 2.1% to 1.9% per year of service. Medicare Part B premium reimbursements were discontinued for certain survivors and beneficiaries and all remaining Medicare Part B premium reimbursements will be discontinued beginning January 2019. For fiscal year 2019, STRS increased the subsidy multiplier for non-Medicare benefit recipients from 1.9% to 1.944% per year of service effective January 1, 2019. The non-Medicare frozen subsidy base premium was increased January 1, 2019 and all remaining Medicare Part B premium reimbursements will be discontinued beginning January 1, 2020.

Changes in assumptions: There were no changes in methods and assumptions used in the calculation of actuarial determined contributions for fiscal year 2017. For fiscal year 2018, the following changes of assumption affected the total OPEB liability since the prior measurement date: (a) the discount rate was increased from 3.26% to 4.13% based on the methodology defined under GASB Statement No. 74, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans (OPEB), (b) the long term expected rate of return was reduced from 7.75% to 7.45%, (c) valuation year per capita health care costs were updated, and the salary scale was modified, (d) the percentage of future retirees electing each option was updated based on current data and the percentage of future disabled retirees and terminated vested participants electing health coverage were decreased and (e) the assumed mortality, disability, retirement, withdrawal and future health care cost trend rates were modified along with the portion of rebated prescription drug costs. For fiscal year 2019, the following changes of assumptions affected the total OPEB liability since the prior measurement date: (a) the discount rate was increased from the blended rate of 4.13% to the long-term expected rate of return of 7.45% based on the methodology defined under GASB Statement No. 74, Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans (OPEB) and (b) decrease in trend rates from 6.00%-11.00 initial; 4.50% ultimate down to Medical Pre-Medicare 6.00% and Medicare 5.00% initial; 4.00% ultimate and Prescription Drug Pre-Medicare 8.00% and Medicare (5.23%) initial; 4.00% ultimate.

OHIO AUDITOR OF STATE KEITH FABER



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INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS REQUIRED BY GOVERNMENT AUDITING STANDARDS

Horizon Science Academy Dayton
Montgomery County
4751 Sue Ann Boulevard
Dayton, Ohio 45415

To the Board of Directors:

We have audited, in accordance with auditing standards generally accepted in the United States and the Comptroller General of the United States' *Government Auditing Standards*, the financial statements of the Horizon Science Academy Dayton, Montgomery County, (the Academy) as of and for the fiscal year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the Academy's basic financial statements and have issued our report thereon dated May 5, 2020.

Internal Control Over Financial Reporting

As part of our financial statement audit, we considered the Academy's internal control over financial reporting (internal control) to determine the audit procedures appropriate in the circumstances to the extent necessary to support our opinion on the financial statements, but not to the extent necessary to opine on the effectiveness of the Academy's internal control. Accordingly, we have not opined on it.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, when performing their assigned functions, to prevent, or detect and timely correct misstatements. A *material weakness* is a deficiency, or combination of internal control deficiencies resulting in a reasonable possibility that internal control will not prevent or detect and timely correct a material misstatement of the Academy's financial statements. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all internal control deficiencies that might be material weaknesses or significant deficiencies. Given these limitations, we did not identify any deficiencies in internal control that we consider material weaknesses. However, unidentified material weaknesses may exist.

Compliance and Other Matters

As part of reasonably assuring whether the Academy's financial statements are free of material misstatement, we tested its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could directly and materially affect the determination of financial statement amounts. However, opining on compliance with those provisions was not an objective of our audit and accordingly, we do not express an opinion. The results of our tests disclosed no instances of noncompliance or other matters we must report under *Government Auditing Standards*.

Purpose of this Report

This report only describes the scope of our internal control and compliance testing and our testing results, and does not opine on the effectiveness of the Academy's internal control or on compliance. This report is an integral part of an audit performed under *Government Auditing Standards* in considering the Academy's internal control and compliance. Accordingly, this report is not suitable for any other purpose.



Keith Faber
Auditor of State
Columbus, Ohio

May 5, 2020

OHIO AUDITOR OF STATE KEITH FABER



HORIZON SCIENCE ACADEMY

MONTGOMERY COUNTY

CLERK'S CERTIFICATION

This is a true and correct copy of the report which is required to be filed in the Office of the Auditor of State pursuant to Section 117.26, Revised Code, and which is filed in Columbus, Ohio.

Susan Babbitt

CLERK OF THE BUREAU

**CERTIFIED
MAY 26, 2020**