HORIZON SCIENCE ACADEMY OF CINCINNATI
HAMILTON COUNTY, OHIO

(AUDITED)

BASIC FINANCIAL STATEMENTS

FOR THE FISCAL YEAR ENDED
JUNE 30, 2019

OHIO AUDITOR OF STATE
KEITH FABER

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Board of Directors
Horizon Science Academy of Cincinnati
1055 Laidlaw Avenue
Cincinnati, Ohio 45237

We have reviewed the *Independent Auditor's Report* of Horizon Science Academy of Cincinnati, Hamilton County, prepared by Julian & Grube, Inc., for the audit period July 1, 2018 through June 30, 2019. Based upon this review, we have accepted these reports in lieu of the audit required by Section 117.11, Revised Code. The Auditor of State did not audit the accompanying financial statements and, accordingly, we are unable to express, and do not express an opinion on them.

Our review was made in reference to the applicable sections of legislative criteria, as reflected by the Ohio Constitution, and the Revised Code, policies, procedures and guidelines of the Auditor of State, regulations and grant requirements. Horizon Science Academy of Cincinnati is responsible for compliance with these laws and regulations

Keith Faber
Auditor of State
Columbus, Ohio

February 10, 2020

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HORIZON SCIENCE ACADEMY OF CINCINNATI
HAMILTON COUNTY, OHIO

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Independent Auditor's Report

Horizon Science Academy of Cincinnati
Hamilton County
1055 Laidlaw Avenue
Cincinnati, Ohio 45237

To the Board of Directors:

Report on the Financial Statements

We have audited the accompanying financial statements of the Horizon Science Academy of Cincinnati, Hamilton County, Ohio, as of and for the fiscal year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati'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 of Cincinnati, Hamilton County, Ohio, as of June 30, 2019, and the changes in its financial position and its cash flows for the fiscal year then ended in accordance with the accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require this presentation to include *management's discussion and analysis* and schedules of net pension and other post-employment benefit liabilities/ asset 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 December 18, 2019, on our consideration of the Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati's internal control over financial reporting and compliance.

Julian & Grube, Inc.

Julian & Grube, Inc.
December 18, 2019

The discussion and analysis of Horizon Science Academy of Cincinnati'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 $501,864.
- Total liabilities were $2,708,837.
- Total net position increased by $618,218.

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

	2019	2018
Assets		
Current and Other Assets	$ 441,531	$ 314,839
Capital Assets, Net	60,333	60,340
Total Assets	**501,864**	**375,179**
Deferred Outflows of Resources	**662,965**	**974,829**
Liabilities		
Current Liabilities	138,009	144,182
Noncurrent Liabilities	2,570,828	3,577,288
Total Liabilities	**2,708,837**	**3,721,470**
Deferred Inflows of Resources	**1,354,442**	**1,145,206**
Net Position		
Investment in Capital Assets	60,333	58,686
Unrestricted	(2,958,783)	(3,575,354)
Total Net Position	**$ (2,898,450)**	**$ (3,516,668)**

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 OBEP 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

	2019	2018
Operating Revenues		
Foundation payments	$ 1,560,507	$ 2,174,857
Classroom fees	25	300
Extracurricular activities	757	5,885
Other revenue	15,602	111,923
Total operating revenues	**1,576,891**	**2,292,965**
Operating Expenses		
Salaries	1,063,618	1,285,363
Fringe benefits	(428,297)	(1,362,246)
Purchased services	1,205,809	1,276,183
Materials and supplies	59,880	124,460
Depreciation	40,506	96,382
Miscellaneous	74,400	83,598
Total operating expenses	**2,015,916**	**1,503,740**
Operating income (loss)	**(439,025)**	**789,225**
Nonoperating Revenues		
Restricted grants in aid - federal	591,764	650,425
State and other grants	204,358	71,467
Contributions and donations	21,654	-
Donated management fee	239,467	261,270
Total nonoperating revenues	**1,057,243**	**983,162**
Change in net position	618,218	1,772,387
Net position, beginning of year	(3,516,668)	(5,289,055)
Net position, end of year	**$ (2,898,450)**	**$ (3,516,668)**

Overall, expenses increased $512,176 or 34.06%. 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, 2018 and the subsequent expenses reported for fiscal year 2018.

On an accrual basis, the Academy reported ($115,295) and ($1,415,212) in pension expense for fiscal year 2019 and 2018, respectively. In addition, the Academy reported ($395,365) and ($150,617) 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 $1,055,169. 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.

Salaries expense decreased due to reduced staff and materials and supplies decreased due to decreased enrollment.

Foundation support decreased $614,350 in part due to a decrease in enrollment and 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 decreased in the amount of $58,661.

Foundation support is the primary support of the Academy, comprising 99% of operating revenue and 59% of total revenues. The Academy also received a significant portion of federal grants, which represent 22% of total revenue. Net position increased $618,218.

Capital Assets

At the end of fiscal year 2019, the Academy had $125,329 invested in improvements, equipment, and vehicles, ($60,333 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:		
Improvements	$ 24,275	$ 49,275
Equipment Instructional	74,570	96,896
Equipment Office	26,484	25,241
School Vehicle	-	9,932
Total Capital Assets	**125,329**	**181,344**
Less: Accumulated Depreciation	(64,996)	(121,004)
Net Capital Assets	**$ 60,333**	**$ 60,340**

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 - Cincinnati, 1055 Laidlaw Ave, Cincinnati, OH 45237.

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Horizon Science Academy of Cincinnati
Statement of Net Position
June 30, 2019

ASSETS:		
Current Assets:		
Cash and cash equivalents	$	227,230
Intergovernmental receivable		20
Prepaid items		39,493
Total current assets		266,743
Noncurrent Assets:		
Net OPEB asset		174,788
Depreciable capital assets, net		60,333
Total noncurrent assets		235,121
Total Assets		**501,864**
DEFERRED OUTFLOWS OF RESOURCES:		
Pension		641,396
OPEB		21,569
Total Deferred Outflows of Resources		**662,965**
LIABILITIES;		
Current Liabilities:		
Accounts payable		38,898
Accrued wages and benefits payable		98,928
Intergovernmental payable		183
Total current liabilities		138,009
Noncurrent Liabilities:		
Net pension liability		2,511,811
Net OPEB liability		59,017
Total noncurrent liabilities		2,570,828
Total Liabilities		**2,708,837**
DEFERRED INFLOWS OF RESOURCES:		
Pension		984,533
OPEB		369,909
Total Deferred Inflows of Resources		**1,354,442**
NET POSITION:		
Investment in capital assets		60,333
Unrestricted		(2,958,783)
Total Net Position	**$**	**(2,898,450)**

See accompanying notes to the basic financial statements.

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

OPERATING REVENUES:		
Foundation payments	$	1,560,507
Classroom fees		25
Extracurricular activities		757
Other revenue		15,602
Total operating revenues		**1,576,891**
OPERATING EXPENSES:		
Salaries		1,063,618
Fringe benefits		(428,297)
Purchased services		1,205,809
Materials and supplies		59,880
Depreciation		40,506
Miscellaneous		74,400
Total operating expenses		**2,015,916**
Operating loss		**(439,025)**
NONOPERATING REVENUES:		
Restricted grants in aid - federal		591,764
State and other grants		204,358
Contributions and donations		21,654
Donated management fee		239,467
Total nonoperating revenues		**1,057,243**
Change in net position		618,218
Net position, beginning of year		(3,516,668)
Net position, end of year	**$**	**(2,898,450)**

See accompanying notes to the basic financial statements.

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

CASH FLOWS FROM OPERATING ACTIVITIES:		
Cash received from State of Ohio	$	1,560,507
Other cash receipts		16,384
Cash payments to employees for services and benefits		(1,311,111)
Cash payments to suppliers for goods and services		(1,006,997)
Other cash payment		(74,400)
Net cash (used in) operating activities		**(815,617)**
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES:		
Federal grants received		596,600
State and other grants received		204,358
Contributions and donations received		21,654
Net cash provided by noncapital financing activities		**822,612**
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES:		
Principal paid on capital lease		(1,655)
Payments for capital acquisitions		(40,499)
Net cash (used in) capital and related financing activities		**(42,154)**
Net decrease in cash and cash equivalents		(35,159)
Cash and cash equivalents at beginning of year		262,389
Cash and cash equivalents at end of year	**$**	**227,230**
RECONCILIATION OF OPERATING LOSS TO NET CASH (USED IN) OPERATING ACTIVITIES		
Operating loss	$	(439,025)
ADJUSTMENTS TO RECONCILE OPERATING LOSS TO NET CASH (USED IN) OPERATING ACTIVITIES		
Depreciation		40,506
Donated management fee		239,467
Changes in assets, liabilities, deferred outflows of resources, and deferred inflows of resources:		
Decrease in prepaid items		8,101
Increase in accounts payable		19,042
Decrease in accrued wages and benefits payable		(23,743)
Increase in intergovernmental payable		183
Increase in net OPEB asset		(174,788)
Decrease in deferred outflows of resources		311,864
Increase in deferred inflows of resources		209,236
Decrease in net pension liability		(524,053)
Decrease in net OPEB liability		(482,407)
Total adjustments		**(376,592)**
Net cash (used in) operating activities	**$**	**(815,617)**

See accompanying notes to the basic financial statements.

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1. DESCRIPTION OF THE ACADEDMY AND REPORTING ENTITY

Horizon Science Academy of Cincinnati, (the Academy), is a nonprofit corporation established pursuant to Ohio Rev. Code Chapters 3314 and 1702 to address the needs of students in grades K through seven in Cincinnati. 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 is currently under contract for operation with the Educational Service Center of Lake Erie West (the Sponsor) for a period of five years commencing July 1, 2011 and ending on June 30, 2016. The contract has been extended through June 30, 2019.

The Academy operates under the direction of a self-appointed five-member Board of Directors. 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 24 personnel and had approximately 225 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 deferred outflows and all liabilities and deferred inflows 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 Academy 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. 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.

	Useful Life
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 to 210 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. 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 year 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 statement of net position will report a separate section for deferred outflows of resources. Deferred outflows of resources represents 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.

M. Prepayments

Certain payments to vendors reflected the costs applicable to future accounting periods and were recorded as prepaid items in the financial statements. These items were reported as assets on the statement of net position using the consumption method. A current asset for the prepaid amounts was recorded at the time of the purchase and the expense is reported in the year in which services are consumed.

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 the Academy' deposits was $227,230 and the bank balance of the Academy's deposits was $252,313. Of the bank balance, $250,000 was covered by the Federal Deposit Insurance Corporation (FDIC) and $2,313 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 June 30, 2018	Additions	Deletions	Balance June 30, 2019
Capital Assets, Being Depreciated:				
Improvements	$ 49,275	$ -	$ (25,000)	$ 24,275
Equipment Instructional	96,896	31,643	(53,969)	74,570
Equipment Office	25,241	8,856	(7,613)	26,484
School Vehicles	9,932	-	(9,932)	-
Total Capital Assets	**181,344**	**40,499**	**(96,514)**	**125,329**
Less: Accumulated Depreciation Improvements	(24,219)	(1,426)	25,000	(645)
Less: Accumulated Depreciation Equipment Instructional	(81,209)	(34,735)	53,969	(61,975)
Less: Accumulated Depreciation Equipment Office	(7,300)	(2,690)	7,613	(2,377)
Less: Accumulated Depreciation School Vehicles	(8,276)	(1,655)	9,932	1
Net Capital Assets	**$ 60,340**	**$ (7)**	**$ -**	**$ 60,333**

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.

6. DEFINED BENEFIT PENSION PLANS (Continued)

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.

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 *accrued wages and benefits payable.*

Plan Description - School Employees Retirement System (SERS)

Plan Description - The Academy 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	Age 65 with 5 years of services credit: or 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.

6. DEFINED BENEFIT PENSION PLANS (Continued)

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 $5,134 for fiscal year 2019. Of this amount, $519 is reported as an accrued wages and benefits payable.

Plan Description - State Teachers Retirement System (STRS)

Plan Description - 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.

6. DEFINED BENEFIT PENSION PLANS (Continued)

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.

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 $144,164 for fiscal year 2019. Of this amount, $11,439 is reported as an accrued wages and benefits 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:

	SERS	STRS	Total
Proportion of the net pension liability prior measurement date	0.00244130%	0.01216576%	
Proportion of the net pension liability current measurement date	0.00209740%	0.01087737%	
Change in proportionate share	-0.00034390%	-0.00128839%	
Proportionate share of the net pension liability	$ 120,122	$ 2,391,689	$ 2,511,811
Pension expense	$ (20,365)	$ (94,930)	$ (115,295)

6. DEFINED BENEFIT PENSION PLANS (Continued)

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

	SERS	STRS	Total
Deferred outflows of resources			
Differences between expected and actual experience	$ 6,586	$ 55,207	$ 61,793
Changes of assumptions	2,711	423,853	426,564
Difference between Academy contributions and proportionate share of contributions/ change in proportionate share	-	3,741	3,741
Academy contributions subsequent to the measurement date	5,134	144,164	149,298
Total deferred outflows of resources	$ 14,431	$ 626,965	$ 641,396

	SERS	STRS	Total
Deferred inflows of resources			
Differences between expected and actual experience	$ -	$ 15,620	$ 15,620
Net difference between projected and actual earnings on pension plan investments	3,329	145,030	148,359
Difference between Academy contributions and proportionate share of contributions/ change in proportionate share	16,726	803,828	820,554
Total deferred inflows of resources	$ 20,055	$ 964,478	$ 984,533

$149,298 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:

	SERS	STRS	Total
Fiscal Year Ending June 30:			
2020	$ (3,826)	$ (119,552)	$ (123,378)
2021	(1,967)	(190,507)	(192,474)
2022	(3,942)	(91,446)	(95,388)
2023	(1,023)	(80,172)	(81,195)
Total	$ (10,758)	$ (481,677)	$ (492,435)

6. DEFINED BENEFIT PENSION PLANS (Continued)

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.

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%, on and after April 1, 2018, COLA's for future retirees will be delayed for three years following commencement
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.

6. DEFINED BENEFIT PENSION PLANS (Continued)

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.

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	$ 169,201	$ 120,122	$ 78,973

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
Payroll increases	3.00%
Cost-of-living adjustments (COLA)	0.0%, effective July 1, 2017

6. DEFINED BENEFIT PENSION PLANS (Continued)

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.

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.

6. DEFINED BENEFIT PENSION PLANS (Continued)

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	$ 3,492,748	$ 2,391,689	$ 1,459,793

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 *accrued wages and benefits payable.*

7. DEFINED BENEFIT OPEB PLANS (Continued)

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.

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 $190 for fiscal year 2019. Of this amount, $19 is reported as an accrued wages and benefits 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.

7. DEFINED BENEFIT OPEB PLANS (Continued)

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.

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:

	SERS	STRS	Total
Proportion of the net OPEB liability prior measurement date	0.00248760%	0.01216576%	
Proportion of the net OPEB liability/asset current measurement date	0.00212730%	0.01087737%	
Change in proportionate share	-0.00036030%	-0.00128839%	
Proportionate share of the net OPEB liability	$ 59,017	$ -	$ 59,017
Proportionate share of the net OPEB asset	$ -	$ (174,788)	$ (174,788)
OPEB expense	$ (1,314)	$ (394,051)	$ (395,365)

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

	SERS	STRS	Total
Deferred outflows of resources			
Differences between expected and actual experience	$ 963	$ 20,416	$ 21,379
Academy contributions subsequent to the measurement date	190	-	190
Total deferred outflows of resources	$ 1,153	$ 20,416	$ 21,569

	SERS	STRS	Total
Deferred inflows of resources			
Differences between expected and actual experience	$ -	$ 10,184	$ 10,184
Net difference between projected and actual earnings on pension plan investments	87	19,968	20,055
Changes of assumptions	5,303	238,162	243,465
Difference between Academy contributions and proportionate share of contributions/ change in proportionate share	13,852	82,353	96,205
Total deferred inflows of resources	$ 19,242	$ 350,667	$ 369,909

7. DEFINED BENEFIT OPEB PLANS (Continued)

$190 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:

	SERS	STRS	Total
Fiscal Year Ending June 30:			
2020	$ (6,386)	$ (59,324)	$ (65,710)
2021	(5,322)	(59,324)	(64,646)
2022	(1,950)	(59,324)	(61,274)
2023	(1,914)	(54,788)	(56,702)
2024	(1,919)	(53,196)	(55,115)
Thereafter	(788)	(44,295)	(45,083)
Total	$ (18,279)	$ (330,251)	$ (348,530)

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:is

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 (6.25% decreasing to 3.75%) and higher (8.25% decreasing to 5.75%) than the current rate.

	1% Decrease (2.70%)	Current Discount Rate (3.70%)	1% Increase (4.70%)
Academy's proportionate share of the net OPEB liability	$ 71,613	$ 59,017	$ 49,044

	1% Decrease (6.25 % decreasing to 3.75 %)	Current Trend Rate (7.25 % decreasing to 4.75 %)	1% Increase (8.25 % decreasing to 5.75 %)
Academy's proportionate share of the net OPEB liability	$ 47,616	$ 59,017	$ 74,114

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
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
	Initial	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.

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%)	Current Discount Rate (7.45%)	1% Increase (8.45%)
Academy's proportionate share of the net OPEB asset	$ 149,810	$ 174,788	$ 195,781

	1% Decrease	Current Trend Rate	1% Increase
Academy's proportionate share of the net OPEB asset	$ 194,596	$ 174,788	$ 154,672

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 The 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.

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	$	454,287
Rent and Property Services		501,618
Travel Mileage/Meeting Expense		2,671
Advertising and Communications		38,181
Utility Services		86,303
Contracted Craft or Trade Services		115,658
Other Purchased Services		7,091
Total	**$**	**1,205,809**

11. CAPITAL LEASES

In a prior fiscal year, the Academy entered into a capitalized lease agreement for a van. 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 $9,932. At June 30, 2019, accumulated depreciation was $9,932, leaving a book value of $0. The Academy paid the final principal payment of $1,655 during fiscal year 2019. There is no remaining capital lease obligation at June 30, 2019.

12. OPERATING LEASES

On July 1, 2005, the Academy entered into a lease agreement with Breeze Inc., a subsidiary of New Plan Learning which is a non-profit organization established to acquire and manage school facilities for community schools, for the facilities located at 1055 Laidlaw Ave. Cincinnati, OH 45237 for five years. In June 2007, the agreement was extended for another five years until 2015. In December 2014, a new lease agreement was signed with New Plan Learning. The Academy paid a total of $380,286 to Breeze, Inc. during fiscal year 2019 on the lease agreement.

13. CONTINGENCIES

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 $796,122.

13. SPONSORSHIP AGREEMENT

On July 1, 2004, the Academy signed a sponsorship agreement with Lucas County Educational Services. 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. In June 2011 the original contract was extended until June 30, 2016. The contract has been extended again in 2016 until June 30, 2019. Effective January 1, 2012, Lucas County Educational Service Center changed their name to Educational Service Center of Lake Erie West. According to the contract, the Academy pays 2.5% of its foundation revenues to the Sponsor. In fiscal year 2019, the Academy's compensation to the Sponsor was $42,563. On July 1, 2019, the Sponsor

14. 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 $0 to Concept Schools for management services, and the remaining fee balance of $239,467 was forgiven by Concept Schools, and is reflected in the Statement of Revenues, Expenses and Change in Net Position as donated management fee.

15. 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.

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REQUIRED SUPPLEMENTARY INFORMATION

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

LAST SIX FISCAL YEARS

	2019	2018	2017	2016
Academy's proportion of the net pension liability	0.00209740%	0.00244130%	0.00246400%	0.00269630%
Academy's proportionate share of the net pension liability	$ 120,122	$ 145,862	$ 180,342	$ 153,853
Academy's covered payroll	$ 67,296	$ 85,750	$ 75,607	$ 81,168
Academy's proportionate share of the net pension liability as a percentage of its covered payroll	178.50%	170.10%	238.53%	189.55%
Plan fiduciary net position as a percentage of the total pension liability	71.36%	69.50%	62.98%	69.16%

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

2015		2014	
	0.00419200%		0.00419200%
$	212,155	$	249,285
$	121,818	$	88,143
	174.16%		282.82%
	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

	2019	2018	2017	2016
Academy's proportion of the net pension liability	0.01087737%	0.01216576%	0.01311969%	0.01697062%
Academy's proportionate share of the net pension liability	$ 2,391,689	$ 2,890,002	$ 4,391,556	$ 4,690,183
Academy's covered payroll	$ 1,227,764	$ 1,332,443	$ 1,361,107	$ 1,770,600
Academy's proportionate share of the net pension liability as a percentage of its covered payroll	194.80%	216.89%	322.65%	264.89%
Plan fiduciary net position as a percentage of the total pension liability	77.31%	75.30%	66.80%	72.10%

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

2015	2014
0.01690520%	0.01690520%
$ 4,111,930	$ 4,898,104
$ 1,727,246	$ 1,789,308
238.06%	273.74%
74.70%	69.30%

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

LAST TEN FISCAL YEARS

	2019	2018	2017	2016
Contractually required contribution	$ 5,134	$ 9,085	$ 12,005	$ 10,585
Contributions in relation to the contractually required contribution	(5,134)	(9,085)	(12,005)	(10,585)
Contribution deficiency (excess)	$ -	$ -	$ -	$ -
Academy's covered payroll	$ 38,030	$ 67,296	$ 85,750	$ 75,607
Contributions as a percentage of covered payroll	13.50%	13.50%	14.00%	14.00%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

2015	2014	2013	2012	2011	2010
$ 10,698	$ 16,884	$ 12,199	$ 16,335	$ 20,577	$ 20,635
(10,698)	(16,884)	(12,199)	(16,335)	(20,577)	(20,635)
$ -	$ -	$ -	$ -	$ -	$ -
$ 81,168	$ 121,818	$ 88,143	$ 121,450	$ 163,699	$ 152,400
13.18%	13.86%	13.84%	13.45%	12.57%	13.54%

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

LAST TEN FISCAL YEARS

	2019	2018	2017	2016
Contractually required contribution	$ 144,164	$ 171,887	$ 186,542	$ 190,555
Contributions in relation to the contractually required contribution	(144,164)	(171,887)	(186,542)	(190,555)
Contribution deficiency (excess)	$ -	$ -	$ -	$ -
Academy's covered payroll	$ 1,029,743	$ 1,227,764	$ 1,332,443	$ 1,361,107
Contributions as a percentage of covered payroll	14.00%	14.00%	14.00%	14.00%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

2015	2014	2013	2012	2011	2010
$ 247,884	$ 224,542	$ 232,610	$ 201,170	$ 172,516	$ 167,829
(247,884)	(224,542)	(232,610)	(201,170)	(172,516)	(167,829)
$ -	$ -	$ -	$ -	$ -	$ -
$ 1,770,600	$ 1,727,246	$ 1,789,308	$ 1,547,462	$ 1,327,046	$ 1,290,992
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

	2019	2018	2017
Academy's proportion of the net OPEB liability	0.00212730%	0.00248760%	0.00280604%
Academy's proportionate share of the net OPEB liability	$ 59,017	$ 66,761	$ 79,983
Academy's covered payroll	$ 67,296	$ 85,750	$ 75,607
Academy's proportionate share of the net OPEB liability as a percentage of its covered payroll	87.70%	77.86%	105.79%
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/ASSET
STATE TEACHERS RETIREMENT SYSTEM (STRS) OF OHIO

LAST THREE FISCAL YEARS

	2019	2018	2017
Academy's proportion of the net OPEB liability/asset	0.01087737%	0.01216576%	0.01311969%
Academy's proportionate share of the net OPEB liability/(asset)	$ (174,788)	$ 474,663	$ 701,644
Academy's covered payroll	$ 1,227,764	$ 1,332,443	$ 1,361,107
Academy's proportionate share of the net OPEB liability/asset as a percentage of its covered payroll	14.24%	35.62%	51.55%
Plan fiduciary net position as a percentage of the total OPEB liability/asset	176.00%	47.10%	37.33%

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 OPEB CONTRIBUTIONS
SCHOOL EMPLOYEES RETIREMENT SYSTEM (SERS) OF OHIO

LAST TEN FISCAL YEARS

	2019	2018	2017	2016
Contractually required contribution	$ 190	$ 1,483	$ 1,403	$ 2,746
Contributions in relation to the contractually required contribution	(190)	(1,483)	(1,403)	(2,746)
Contribution deficiency (excess)	$ -	$ -	$ -	$ -
Academy's covered payroll	$ 38,030	$ 67,296	$ 85,750	$ 75,607
Contributions as a percentage of covered payroll	0.50%	2.20%	1.64%	3.63%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

2015	2014	2013	2012	2011	2010
$ 3,462	$ 1,593	$ 132	$ 645	$ 1,994	$ 6,431
(3,462)	(1,593)	(132)	(645)	(1,994)	(6,431)
$ -	$ -	$ -	$ -	$ -	$ -
$ 81,168	$ 121,818	$ 88,143	$ 121,450	$ 163,699	$ 152,400
4.27%	1.31%	0.15%	0.53%	1.22%	4.22%

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

LAST TEN FISCAL YEARS

	2019	2018	2017	2016
Contractually required contribution	$ -	$ -	$ -	$ -
Contributions in relation to the contractually required contribution	-	-	-	-
Contribution deficiency (excess)	$ -	$ -	$ -	$ -
Academy's covered payroll	$ 1,029,743	$ 1,227,764	$ 1,332,443	$ 1,361,107
Contributions as a percentage of covered payroll	0.00%	0.00%	0.00%	0.00%

SEE ACCOMPANYING NOTES TO THE REQUIRED SUPPLEMENTARY INFORMATION

2015	2014	2013	2012	2011	2010
$ -	$ 17,272	$ 17,893	$ 15,475	$ 13,270	$ 12,910
-	(17,272)	(17,893)	(15,475)	(13,270)	(12,910)
$ -	$ -	$ -	$ -	$ -	$ -
$ 1,770,600	$ 1,727,246	$ 1,789,308	$ 1,547,462	$ 1,327,046	$ 1,290,992
0.00%	1.00%	1.00%	1.00%	1.00%	1.00%

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)

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.

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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 of Cincinnati
Hamilton County
630 South Reynolds Road
Cincinnati, Ohio 43615

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 of Cincinnati, Hamilton County, Ohio, as of and for the fiscal year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the Horizon Science Academy of Cincinnati's basic financial statements and have issued our report thereon dated December 18, 2019.

Internal Control Over Financial Reporting

As part of our financial statement audit, we considered the Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati'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 Horizon Science Academy of Cincinnati's internal control or on compliance. This report is an integral part of an audit performed under *Government Auditing Standards* in considering the Horizon Science Academy of Cincinnati's internal control and compliance. Accordingly, this report is not suitable for any other purpose.

Julian & Grube, Inc.

Julian & Grube, Inc.
December 18, 2019

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OHIO AUDITOR OF STATE
KEITH FABER

HORIZON SCIENCE ACADEMY OF CINCINNATI

HAMILTON 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
FEBRUARY 20, 2020