

**Miami Valley Academies**  
**Montgomery County, Ohio**

*Audited Financial Statements*

For the Fiscal Year Ended  
June 30, 2019



OHIO AUDITOR OF STATE  
KEITH FABER



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Board of Trustees  
Miami Valley Academies  
5656 Springsboro Pike  
Dayton, Ohio 45449

We have reviewed the *Independent Auditor's Report* of the Miami Valley Academies, Montgomery County, prepared by Rea & Associates, 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. The Miami Valley Academies is responsible for compliance with these laws and regulations.

A handwritten signature in black ink that reads "Keith Faber".

Keith Faber  
Auditor of State  
Columbus, Ohio

January 29, 2020

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**Miami Valley Academies  
Montgomery County**

**TABLE OF CONTENTS**

<b><u>TITLE</u></b>	<b><u>PAGE</u></b>
Independent Auditor's Report	1
Management's Discussion and Analysis	3
Basic Financial Statements:	
Statement of Net Position	8
Statement of Revenues, Expenses and Changes in Net Position	9
Statement of Cash Flows	10
Notes to the Basic Financial Statements	11
Required Supplementary Information:	
Schedule of the Academy's Proportionate Share of the Net Pension Liability	32
Schedule of the Academy's Contributions-Pension	34
Schedule of the Academy's Proportionate Share of the Net OPEB Liability/(Asset)	37
Schedule of the Academy's Contributions-OPEB	38
Notes to the Required Supplementary Information	40
Independent Auditor's Report on Internal Control over Financial Reporting and on Compliance and other Matters Based on an Audit of Financial Statements Performed in Accordance with <i>Government Auditing Standards</i>	42

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December 23, 2019

To the Board of Trustees  
Miami Valley Academies  
5656 Springboro Pike  
Dayton, OH 45449

## **Independent Auditor's Report**

### **Report on the Financial Statements**

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

### ***Management's Responsibility for the Financial Statements***

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

### ***Auditor's Responsibility***

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

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

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

### ***Opinion***

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

***Emphasis of a Matter***

The accompanying financial statements have been prepared assuming the Academy will continue as a going concern.

As disclosed in Note 16 to the financial statements, the Academy has a net position deficit of \$1,850,110 and an operating loss of \$133,329 that raise substantial doubt about its ability to continue as a going concern. This deficit net position and operating loss include the net effect of the net pension liability, net OPEB asset/liability and related accruals totaling \$1,518,629 and \$376,182, respectively. Note 16 describes management's plan regarding these issues. The financial statements do not include any adjustments that might result from the outcome of this uncertainty. Our opinion is not modified with respect to this matter.

***Other Matters***

***Required Supplementary Information***

Accounting principles generally accepted in the United States of America require that the *Management's Discussion and Analysis, Schedule of the Academy's Proportionate Share of the Net Pension Liability, Schedule of the Academy's Contributions-Pension, Schedule of the Academy's Proportionate Share of the Net OPEB Liability/(Asset), and Schedule of the Academy's Contributions-OPEB* as listed in the table of contents be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

***Other Reporting Required by Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated December 23, 2019 on our consideration of the Academy's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the Academy's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Academy's internal control over financial reporting and compliance.

*Rea & Associates, Inc.*

Dublin, Ohio

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Management's Discussion and Analysis*  
*For the Fiscal Year Ended June 30, 2019*  
*(Unaudited)*

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The discussion and analysis of the Miami Valley Academies' (the Academy) financial performance provides an overall review of the Academy's financial activities for the fiscal year ended June 30, 2019. The intent of this discussion and analysis is to look at the Academy's financial performance as a whole; readers should also review the financial statements and the notes to the financial statements to enhance their understanding of the Academy's financial performance.

The Management's Discussion and Analysis (MD&A) is an element of the reporting model adopted by the Governmental Accounting Standards Board (GASB) in their *Statement No. 34 Basic Financial Statements – and Management's Discussion and Analysis – for State and Local Governments* issued June 1999. Certain comparative information between the current year and the prior year is required to be presented in the MD&A.

### **Financial Highlights**

- In total, net position increased \$127,301, which represents an increase of 6 percent from 2018.
- Total assets increased \$41,137 during 2019.
- Liabilities decreased \$241,991 during 2019.

The net pension liability (NPL) is the largest single liability reported by the Academy at June 30, 2019, and is reported pursuant to GASB Statement 68, *Accounting and Financial Reporting for Pensions—an Amendment of GASB Statement 27*. In a prior period, the Academy also adopted 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.

Governmental Accounting Standards Board 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/OPEB liability. GASB 68 and GASB 75 take an earnings approach to pension and OPEB accounting; however, the nature of Ohio's statewide pension/OPEB plans and state law governing those systems requires additional explanation in order to properly understand the information presented in these statements.

GASB 68 and GASB 75 require the net pension liability and the net OPEB asset/liability 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

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Management's Discussion and Analysis*  
*For the Fiscal Year Ended June 30, 2019*  
*(Unaudited)*

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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 assets/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. For STRS, the plan's fiduciary net OPEB position was sufficient to cover the plan's total OPEB liability resulting in a net OPEB asset for fiscal year 2019 that is allocated to each school based on its proportionate share. 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 reported by the retirement boards. 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 asset/liability, respectively, not accounted for as deferred inflows/outflows.

### **Using this Financial Report**

This report consists of three parts, the Required Supplementary Information, the financial statements, and notes to the financial statements. The financial statements include a Statement of Net Position, a Statement of Revenues, Expenses and Changes in Net Position, and a Statement of Cash Flows.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Management's Discussion and Analysis*  
*For the Fiscal Year Ended June 30, 2019*  
*(Unaudited)*

**Statement of Net Position**

The statement of net position answers the question of how well the Academy performed financially during 2019. This statement includes all assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position, both financial and capital and current and long-term, using the accrual basis of accounting, which is the accounting used by most private-sector companies. This basis of accounting takes into account all revenues earned and expenses incurred during the year, regardless of when the cash is received or expended.

Table 1 provides a summary of the Academy's net position for fiscal years 2019 and 2018.

**(Table 1)**

**Statement of Net Position**

	2019	2018	Change
<b>Assets</b>			
Current Assets	\$ 42,898	\$ 33,114	\$ 9,784
Net OPEB Asset	57,207	0	57,207
Capital Assets, net	9,910	35,764	(25,854)
<i>Total Assets</i>	<u>110,015</u>	<u>68,878</u>	<u>41,137</u>
<b>Deferred Outflows</b>	<u>301,292</u>	<u>385,927</u>	<u>(84,635)</u>
<b>Liabilities</b>			
Current Liabilities	384,289	206,334	177,955
Long Term Liabilities	992,947	1,412,893	(419,946)
<i>Total Liabilities</i>	<u>1,377,236</u>	<u>1,619,227</u>	<u>(241,991)</u>
<b>Deferred Inflows</b>	<u>884,181</u>	<u>812,989</u>	<u>71,192</u>
<b>Net Position</b>			
Investment in Capital Assets	9,910	35,764	(25,854)
Unrestricted	(1,860,020)	(2,013,175)	153,155
<i>Total Net Position</i>	<u>\$ (1,850,110)</u>	<u>\$ (1,977,411)</u>	<u>\$ 127,301</u>

Current assets increased during 2019. This increase is primarily due to increases in grant funding receivable due to timing of grant drawdowns. Current liabilities increased during 2019 due to increased accounts payable associated with timing of paying outstanding invoices at fiscal year end. Capital assets decreased due to depreciation.

There was a significant change in net pension/OPEB liability/asset for the Academy. These fluctuations are due to changes in the retirement systems unfunded liabilities that are passed through to the Academy's financial statements. All components of pension and OPEB accruals contribute to the fluctuations in deferred outflows/inflows and NPL/NOL/NOA and are described in more detail in their respective notes.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Management's Discussion and Analysis*  
*For the Fiscal Year Ended June 30, 2019*  
*(Unaudited)*

**Statement of Revenues, Expenses, and Changes in Net Position**

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

**(Table 2)**  
**Change in Net Position**

	2019	2018	Change
Operating Revenue	\$ 1,055,276	\$ 896,167	\$ 159,109
Non-Operating Revenue	260,630	228,864	31,766
Total Revenue	1,315,906	1,125,031	190,875
Operating Expenses	1,188,605	550,109	638,496
Change In Net Position	\$ 127,301	\$ 574,922	\$ (447,621)

The Academy's operating and non-operating revenues in 2019 were based on the Academy's full-time equivalent (FTE) and the Academy's federal grant funding received throughout the year. The increase in Academy's revenue was primarily caused by the increase in student enrollment. The Academy's most significant expenses, "Purchased services" are a result of the management agreement in place between the Academy and EEG, LLC. Effective July 1, 2016, the Academy entered into a management agreement (Agreement) with Educational Empowerment Group, LLC (EEG, LLC), which is an educational consulting and management company. The term of the Agreement with EEG, LLC is for 3 years and will renew for additional, successive three (3) year terms. The agreement provides that specific percentages of the revenues received by the Academy will be paid to EEG, LLC to fund operations (see notes to the financial statements, note 8).

The changes in Pension and OPEB are primarily associated to changes in the Academy's proportionate share of the net pension liability, net OPEB liability/asset and related accruals. As previously indicated, these items are explained in detail within their respective notes.

**Capital Assets**

At June 30, 2019, capital assets of the Academy consisted of \$1,028,010 of equipment and leasehold improvements offset by \$1,018,100 in accumulated depreciation resulting in net capital assets of \$9,910.

For more information on capital assets, see note 6 in the notes to the financial statements.

**Current Financial Issues**

Miami Valley Academies received revenue for 122 students in 2019. State law governing community schools allows for the Academy to have open enrollment across traditional school district boundaries.

The Academy receives its support almost entirely from state aid. Per pupil revenue from state aid for the Academy averaged \$8,650 in fiscal year 2019. The Academy receives additional revenues from grant subsidies.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Management's Discussion and Analysis*  
*For the Fiscal Year Ended June 30, 2019*  
*(Unaudited)*

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Although there is a possibility that state aid will be cut in future years due to the economic climate, the Academy feels that the relationship with the management company will insulate them from any significant change.

**Contacting the Academy's Financial Management**

This financial report is designed to provide our readers with a general overview of the Academy's finances and to show the Academy's accountability for the money it receives. If you have questions about this report or need additional information, contact the Fiscal Officer at 3320 West Market Street, Suite 300, Fairlawn, Ohio 44333.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Statement of Net Position*  
*June 30, 2019*

**ASSETS**

Current Assets

Cash & Cash Equivalents	\$	1,965
Accounts Receivable		3,522
Grant Funding Receivable		36,270
Prepaid Insurance		345
Intergovernmental Receivable		796
<i>Total Current Assets</i>		42,898

Noncurrent Assets

Capital Assets, net		9,910
Net OPEB Asset		57,207
<i>Total Noncurrent Assets</i>		67,117

<b>Total Assets</b>		110,015
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**DEFERRED OUTFLOWS OF RESOURCES**

Pension		278,104
OPEB		23,188
<b>Total Deferred Outflows of Resources</b>		301,292

**LIABILITIES**

Current Liabilities

Accounts Payable		284,651
Purchased Services: Accrued Wages And Benefits		90,172
Intergovernmental Payable		9,466
<i>Total Current Liabilities</i>		384,289

Long Term Liabilities

Net Pension Liability		923,321
Net OPEB Liability		69,626
<i>Total Long Term Liabilities</i>		992,947

<b>Total Liabilities</b>		1,377,236
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**DEFERRED INFLOWS OF RESOURCES**

Pension		657,915
OPEB		226,266
<b>Total Deferred Inflows of Resources</b>		884,181

**NET POSITION**

Investment in Capital Assets		9,910
Unrestricted Net Position		(1,860,020)
<b>Total Net Position</b>	\$	(1,850,110)

See accompanying notes to the basic financial statements.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Statement of Revenues, Expenses, and Changes in Net Position*  
*For the Fiscal Year Ended June 30, 2019*

**OPERATING REVENUES**

State Basic Aid	\$ 1,025,261
Facilities Aid	23,920
Casino Revenue	6,095
	1,055,276
<b>Total Operating Revenues</b>	<b>1,055,276</b>

**OPERATING EXPENSES**

Board Compensation	3,045
Pension and OPEB	(236,053)
Purchased Services	1,327,713
Supplies And Materials	31,866
Other Expenses	36,180
Depreciation	25,854
	1,188,605
<b>Total Operating Expenses</b>	<b>1,188,605</b>
<b>Operating Income (Loss)</b>	<b>(133,329)</b>

**NON-OPERATING REVENUES**

Federal and State Grants	254,197
Miscellaneous Revenue	6,433
	260,630
<b>Total Non-Operating Revenues</b>	<b>260,630</b>
<b>Change In Net Position</b>	<b>127,301</b>
<b>Net Position Beginning of Year</b>	<b>(1,977,411)</b>
<b>Net Position End of Year</b>	<b>\$ (1,850,110)</b>

See accompanying notes to the basic financial statements.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Statement of Cash Flows*  
For the Fiscal Year Ended June 30, 2019

**INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS**

**CASH FLOWS FROM OPERATING ACTIVITIES**

Cash Received from State Aid	\$	1,079,516
Cash Payments for Wages and Fringe Benefits		(79,648)
Cash Payments to Suppliers for Goods and Services		(1,202,827)
Other Cash Payments		(32,819)
		(235,778)
Net Cash Used For Operating Activities		(235,778)

**CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES**

Cash Received From Grant Programs		217,927
Cash Received From Miscellaneous Revenue		6,433
		224,360
Net Cash Received From Noncapital Financing Activities		224,360
Net Increase/(Decrease) in Cash and Cash Equivalents		(11,418)
Cash and Cash Equivalents at Beginning of Year		13,383
		13,383
Cash and Cash Equivalents at End of Year	\$	1,965

**RECONCILIATION OF OPERATING INCOME (LOSS) TO NET CASH USED FOR OPERATING ACTIVITIES**

Operating Income (Loss)	\$	(133,329)
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**ADJUSTMENTS TO RECONCILE OPERATING INCOME (LOSS) TO NET CASH USED FOR OPERATING ACTIVITIES**

Depreciation		25,854
Changes in Assets, Liabilities, and Deferred Outflows/Inflows:		
Accounts Receivable		(2,271)
State Aid Receivable		14,774
Intergovernmental Receivable		(796)
Prepays		3,361
Deferred Outflows of Resources		84,635
Deferred Inflows of Resources		71,192
Net OPEB Asset		(57,207)
Net Pension/OPEB Liability		(419,946)
Accounts Payable		133,377
Intergovernmental Payable		9,466
Accrued Wages and Benefits		35,112
		35,112
Total Adjustments		(102,449)
Net Cash Used For Operating Activities	\$	(235,778)

See accompanying notes to the basic financial statements.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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**NOTE 1 - DESCRIPTION OF THE ACADEMY AND REPORTING ENTITY**

Miami Valley Academies (the Academy) is a federal tax exempt 501(c)(3) and state nonprofit corporation established pursuant to Ohio Rev. Code Chapters 3314 and 1702 to maintain and provide a school exclusively for any educational, literary, scientific and related teaching service. The Academy, which is part of the State's education program, is independent of any school district. 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 contracts with Educational Empowerment Group, LLC (EEG, LLC) for most of its functions (see Note 8).

The Academy signed a contract with The Educational Resource Consultants of Ohio, Inc. (ERCO) (Sponsor) to operate for a period from July 1, 2018 through June 30, 2021. The Academy operates under a self-appointing five-member Board of Trustees (the Board). The Academy's Cod of Regulations specifies that vacancies that arise on the Board will be filled by the appointment of a successor director by a majority vote of the then existing directors. The Board is responsible for carrying out the provisions of the contract with the Sponsor, which include, but are not limited to, state-mandated provisions regarding student population, curriculum, academic goals, performance standards, admission standards, and qualifications of teachers. The academy has one instructional/support facility to provide education services to 122 students. The Academy eliminated high school grades which resulted in a large decrease in students.

**NOTE 2 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

The financial statements of the Academy have been prepared in conformity with generally accepted accounting principles 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.

***Basis of Presentation***

The Academy's financial statements consist of a Statement of Net Position, a Statement of Revenues, Expenses and Changes in Net Position, and a Statement of Cash Flows. Enterprise fund reporting focuses on the determination of the change in Net Position, financial position and cash flows.

Auditor of State of Ohio Bulletin No. 2000-005 requires the presentation of all financial activity to be reported within one enterprise fund for year-end reporting purposes. Enterprise accounting is used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent is that the costs (expenses) of providing goods or services to the general public on a continuing basis be financed or recovered primarily through user charges.

***Measurement Focus and Basis of Accounting***

The accounting and financial reporting treatment applied to a fund 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 of resources as well as all liabilities and deferred inflows of resources are included on the Statement of Net Position. Operating statements present increases (i.e., revenues) and decreases (i.e., expenses) in Net Position. The accrual basis of accounting is utilized for reporting purposes. Revenues are recognized when they are earned, and expenses are recognized when they are incurred.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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***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.

***Cash and Cash Equivalents***

All cash received by the Academy is maintained in a demand deposit account.

***Intergovernmental Revenues***

The Academy currently participates in the State Foundation Program, facilities aid, and casino tax distributions, which are reflected under “Operating revenues” on the Statement of Revenues, Expenses, and Changes in Net Position. Revenues received from these programs are recognized as operating revenue in the accounting period in which all eligibility requirements have been met.

Non-exchange transactions, in which the Academy receives value without directly giving equal value in return, include grants, entitlements, and contributions. Grants, entitlements, and contributions 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.

***Prepaid***

Payments made to vendors for services that will benefit periods beyond June 30, 2019, are recorded as prepaid items using the consumption method. A current asset for the prepaid amount is recorded at the time of purchase and an expenditure/expense is reported in the year which services are consumed.

***Capital Assets and Depreciation***

For purposes of recording capital assets, the Board has a capitalization threshold of \$5,000.

As of June 30, 2019, the Academy’s capital assets had a net book value of \$9,910 (see note 6). Depreciation is computed by the straight-line method over five years for equipment and 5-10 years for leasehold improvements.

Aside from those mentioned above, the Academy has no other capital assets, as the Academy operates under a management agreement with EEG, LLC (see note 8).

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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***Use of Estimates***

In preparing the financial statements, management is sometimes required to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets, deferred outflows of resources, liabilities and deferred inflows of resources at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

***Net Position***

Net Position represents the difference between assets and deferred outflows of resources, and liabilities and deferred inflows of resources. Net Position consists of capital assets, net of accumulated depreciation and unrestricted. The Academy applies restricted resources first when an expense is incurred for purposes for which both restricted and unrestricted net position is available.

***Operating Revenues and Expenses***

Operating revenues are those revenues that are generated directly from the Academy's primary activities. For the Academy, these revenues are primarily state aid payments. Operating expenses are necessary costs incurred to provide the goods and services that are the primary activities of the Academy. Revenues and expenses not meeting this definition are reported as non-operating.

***Pensions and Other Postemployment Benefits (OPEB)***

For purposes of measuring the net pension/OPEB asset/liability, deferred outflows of resources and deferred inflows of resources related to pension/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.

***Deferred Outflows/Inflows of Resources***

In addition to assets, the statements of financial position will sometimes report a separate section for deferred outflows of resources. Deferred outflows of resources represent a consumption of net position that applies to a future period and will not be recognized as an outflow of resources (expense/expenditure) until then. For the Academy, deferred outflows of resources are reported on the statement of net position for pension and OPEB. The deferred outflows of resources related to pension and OPEB plans are explained in Notes 11 and 12.

In addition to liabilities, the statements of financial position 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 until that time. For the Academy, deferred inflows of resources include pension and OPEB, which are reported on the statement of net position. (See Notes 11 and 12).

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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**NOTE 3 – IMPLEMENTATION OF NEW ACCOUNTING PRINCIPLES**

For the fiscal year ended June 30, 2019, the Academy has implemented Governmental Accounting Standards Board (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 establishes criteria for determining the timing and pattern of recognition of a liability and a corresponding deferred outflow of resources for asset retirement obligations. The implementation of GASB Statement No. 83 did not have an effect on the financial statements of the Academy.

GASB Statement No. 88 establishes additional financial statement note disclosure requirements related to debt obligations of governments, including direct borrowings and direct placements. The implementation of GASB Statement No. 88 did not have an effect on the financial statements of the Academy.

**NOTE 4 - DEPOSITS AND INVESTMENTS**

Protection of the Academy’s deposits is provided by the Federal Deposit Insurance Corporation (FDIC), by eligible securities pledged by the financial institution as security for repayment, or by the financial institutions participation in the Ohio Pooled Collateral System (OPCS), a collateral pool of eligible securities deposited with a qualified trustee and pledged to the Treasurer of State to secure the repayment of all public monies deposited in the financial institution.

**NOTE 5 - RECEIVABLES**

Receivables at June 30, 2019 consisted of accounts, grant funding, and intergovernmental. All receivables are considered collectible in full.

**NOTE 6 - CAPITAL ASSETS AND DEPRECIATION**

For the year ended June 30, 2019, the Academy’s capital assets consisted of the following:

	Balance 6/30/2018	Additions	Deletions	Balance 6/30/2019
<b><i>Capital Assets, Being Depreciated:</i></b>				
Leasehold Improvements	\$ 674,512	\$ 0	\$ 0	\$ 674,512
Equipment	353,498	0	0	353,498
<b><i>Total Capital Assets, Being Depreciated</i></b>	<b>1,028,010</b>	<b>0</b>	<b>0</b>	<b>1,028,010</b>
<b><i>Less Accumulated Depreciation:</i></b>				
Leasehold Improvements	(650,137)	(18,589)	0	(668,726)
Equipment	(342,109)	(7,265)	0	(349,374)
<b><i>Total Accumulated Depreciation</i></b>	<b>(992,246)</b>	<b>(25,854)</b>	<b>0</b>	<b>(1,018,100)</b>
<b><i>Capital Assets, Net</i></b>	<b>\$ 35,764</b>	<b>\$ (25,854)</b>	<b>\$ 0</b>	<b>\$ 9,910</b>

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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**NOTE 7 - RISK MANAGEMENT**

***Property and Liability*** - The Academy is exposed to various risks of loss related to torts; theft or damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. As part of its management agreement with EEG, LLC, EEG, LLC has contracted with an insurance company for property and general liability insurance pursuant to the Management Agreement (see note 8). There have been zero claims the past three years, nor has there been a reduction in insurance coverage from the prior year.

***Director and Officer*** - Coverage has been purchased by the Academy with a \$1,000,000 aggregate limit and a \$0 or \$5,000 deductible, depending on the claim.

**NOTE 8 - AGREEMENT WITH EDUCATIONAL EMPOWERMENT GROUP, LLC**

Effective June 1, 2017, the Academy entered into a management agreement (Agreement) with Educational Empowerment Group, LLC (EEG, LLC), which is an educational consulting and management company. The term of the Agreement with EEG, LLC is for 3 years and will renew for additional, successive three (3) year terms unless one party notifies the other party no later than six months prior to the term expiration date of its intention to not renew the Agreement. Substantially all functions of the Academy have been contracted to EEG, LLC. EEG, LLC is responsible and accountable to the Academy's Board of Directors for the administration and operation of the Academy. The Academy is required to pay EEG, LLC a monthly continuing fee of 13 percent of the Academy's "Qualified gross revenues", defined in the Agreement as, all revenues and income received by the Academy except for charitable contributions. The continuing fee is paid to EEG, LLC based on the qualified gross revenues.

The Academy had purchased services for the year ended June 30, 2019, to EEG, LLC, of \$880,340 for management fee and reimbursed payroll costs. EEG, LLC will be responsible for procuring the educational program at the Academy, which include but are not limited to, salaries and benefits of all personnel, curriculum materials, textbooks, library books, computers and other equipment, software, supplies, building payments, maintenance, capital, and insurance which are then invoiced to the Academy or reimbursed to EEG, LLC.

**NOTE 9 - SPONSORSHIP FEES**

Under Paragraph D(4) of the sponsor contract with ERCO, it states that the Academy "...shall pay to the Sponsor, the amount of three percent (3%) of all state funds received each year, in consideration for the time, organization, oversight, fees and costs of the Sponsor pursuant to this contract." Such fees are paid to the ERCO monthly. As indicated on the statement of revenues, expenses, and changes in Net Position, the Academy incurred \$30,093 in sponsorship fees to ERCO.

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**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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**NOTE 10 - PURCHASED SERVICES**

For the year ended June 30, 2019, purchased service expenses were as follows:

<b>Purchased Services</b>	<b>Amount</b>
<b>Direct Expenses:</b>	
Personnel services	\$ 812,444
Professional services	218,170
Building services	208,252
Food service	58,754
Sponsor services	30,093
<b>Total</b>	<b>\$ 1,327,713</b>

**NOTE 11 - 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.

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

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

The proportionate share of each plan’s unfunded benefits is presented as a long-term *net pension liability*. Any liability for the contractually-required pension contribution outstanding at the end of the year is included in *Intergovernmental Payable*.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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***Plan Description - School Employees Retirement System (SERS)***

Plan Description – Academy non-teaching employees participate in SERS, a statewide, cost-sharing multiple-employer defined benefit pension plan administered by SERS. SERS provides retirement, disability and survivor 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](http://www.ohsers.org) under Employers/Audit Resources.

Age and service requirements for retirement are as follows:

	Eligible to Retire before August 1, 2017*	Eligible to Retire on or after August 1, 2017
Full Benefits	Any age with 30 years of service credit	Age 67 with 10 years of service credit; or Age 57 with 30 years of service credit
Actuarially Reduced Benefits	Age 60 with 5 years of service credit 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 year of service; 2.2 percent for the first 30 years of service and 2.5 percent for years of service credit over 30. Final average salary is the average of the highest three years of salary.

Funding Policy – Plan members are required to contribute 10 percent of their annual covered salary and the Academy is required to contribute 14 percent 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 percent for plan members and 14 percent 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 percent. SERS allocated 0.5 percent of employer contributions to the Health Care Fund for fiscal year 2019.

The Academy’s contractually required contribution to SERS was \$11,377 for fiscal year 2019.

***Plan Description - State Teachers Retirement System (STRS)***

Plan Description – Academy licensed teachers and other faculty members 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 Web site at [www.strsoh.org](http://www.strsoh.org).

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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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. For the DB Plan, from August 1, 2015–July 1, 2017, any member could retire with reduced benefits who had (1) five years of service credit and age 60; (2) 26 years of service credit and age 55; or (3) 30 years of service credit regardless of age. Effective August 1, 2017–July 1, 2019, any member may retire with reduced benefits who has (1) five years of service credit and age 60; (2) 27 years of service credit and age 55; or (3) 30 years of service credit regardless of age. Eligibility changes will continue to be phased in through 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. Retirement eligibility for reduced benefits will be five years of service credit and age 60, or 30 years of service credit regardless of age.

The DC Plan allows members to place all their member contributions and 9.5 percent of the 14 percent employer contributions into an investment account. Investment allocation decisions are determined by the member. The remaining 4.5 percent of the 14 percent employer rate is allocated to the defined benefit unfunded liability. Effective July 1, 2017, employer contributions of 9.53 percent are placed in the investment accounts and the remaining 4.47 percent of the 14 percent 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 percent of the 14 percent member rate goes to the DC Plan and the remaining 2 percent is applied to the DB Plan. In the Combined Plan, member contributions are allocated among investment choices by the member, and employer contributions are used to fund a defined benefit payment. A member's defined benefit is determined by multiplying one percent of the member's final average salary by the member's years of service credit. 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 DC portion of the account may be taken as a lump sum or converted to a lifetime monthly annuity at age 50 and termination of employment.

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 the fiscal year ended June 30, 2019, plan members were required to contribute 14 percent of their annual covered salary. The Academy was required to contribute 14 percent; the entire 14 percent 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 \$74,764 for fiscal year 2019.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

***Pension Liabilities, Pension Expense, and Deferred Outflows/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 independent actuarial valuation as of that date. The Academy's employer allocation percentage of the net pension liability was based on the employer's share of employer contributions in the pension plan relative to the total employer contributions of all participating employers. Following is information related to the proportionate share and pension expense:

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Proportion of the Net Pension Liability:			
Current Measurement Date	0.00245390%	0.00356008%	
Prior Measurement Date	<u>0.00200370%</u>	<u>0.00447768%</u>	
Change in Proportionate Share	<u>0.00045020%</u>	<u>-0.00091760%</u>	
Proportionate Share of the Net			
Pension Liability	\$ 140,539	\$ 782,782	\$ 923,321
Pension Expense	\$ 17,220	\$ (106,479)	\$ (89,259)

Deferred outflows/inflows of resources represent the effect of changes in the net pension liability due to the difference between projected and actual investment earnings, differences between expected and actual actuarial experience, changes in assumptions and changes in the Academy's proportion of the collective net pension liability. The deferred outflows and deferred inflows are to be included in pension expense over current and future periods. The difference between projected and actual investment earnings is recognized in pension expense using a straight line method over a five year period beginning in the current year. Deferred outflows and deferred inflows resulting from changes in sources other than differences between projected and actual investment earnings are amortized over the average expected remaining service lives of all members (both active and inactive) using the straight line method. Employer contributions to the pension plan subsequent to the measurement date are also required to be reported as a deferred outflow of resources.

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

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
<b>Deferred Outflows of Resources</b>			
Differences between Expected and			
Actual Experience	\$ 7,706	\$ 18,071	\$ 25,777
Changes of Assumptions	3,173	138,724	141,897
Changes in Proportion and Differences between			
Academy Contributions and Proportionate			
Share of Contributions	15,481	8,808	24,289
Academy Contributions Subsequent to the			
Measurement Date	<u>11,377</u>	<u>74,764</u>	<u>86,141</u>
<b>Total Deferred Outflows of Resources</b>	<u>\$ 37,737</u>	<u>\$ 240,367</u>	<u>\$ 278,104</u>
<b>Deferred Inflows of Resources</b>			
Differences between Expected and			
Actual Experience	\$ 0	\$ 5,112	\$ 5,112
Net Difference between Projected and			
Actual Earnings on Pension Plan Investments	3,894	47,467	51,361
Changes in Proportion and Differences between			
Academy Contributions and Proportionate			
Share of Contributions	<u>5,868</u>	<u>595,574</u>	<u>601,442</u>
<b>Total Deferred Inflows of Resources</b>	<u>\$ 9,762</u>	<u>\$ 648,153</u>	<u>\$ 657,915</u>

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

\$86,141 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 fiscal 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	\$ 16,125	\$ (113,495)	\$ (97,370)
2021	6,280	(142,208)	(135,928)
2022	(4,612)	(182,432)	(187,044)
2023	(1,195)	(44,415)	(45,610)
	\$ 16,598	\$ (482,550)	\$ (465,952)

***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 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.

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 percent
Future Salary Increases, including inflation	3.50 percent to 18.20 percent
Investment Rate of Return	7.50 percent net of investment expense, including inflation
Actuarial Cost Method	Entry Age Normal (Level Percent of Payroll)
COLA or Ad Hoc COLA	2.50 percent, on and after April 1, 2018, COLA's for future retirees will be delayed for three years following commencement

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

For post-retirement mortality, the table used in evaluating allowances to be paid is the RP-2014 Blue Collar Mortality Table with fully generational projection and Scale BB, with 120 percent of male rates and 110 percent of female rates used. The RP-2000 Disabled Mortality Table with 90 percent for male rates and 100 percent for female rates set back five years is used for the period after disability retirement.

The long-term return expectation for the Pension Plan Investments has been determined by 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 an arithmetic weighted average of the expected real return premiums for each asset class, adding the projected inflation rate, and adding the expected return from rebalancing uncorrelated asset classes. The asset allocation, as used in the June 30, 2015 five-year experience study, is 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 %	

**Discount Rate** Total pension liability was calculated using the discount rate of 7.50 percent. The projection of cash flows used to determine the discount rate assumed that employers would contribute the actuarially determined contribution rate of projected compensation over the remaining 27-year amortization period of the unfunded actuarial accrued liability. Projected inflows from investment earnings were calculated using the long-term assumed investment rate of return (7.50 percent). 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 Academy's proportionate share of the net pension liability calculated using the discount rate of 7.50 percent, as well as what the Academy's net pension liability would be if it were calculated using a discount rate that is one percentage point lower (6.50 percent), or one percentage point higher (8.50 percent) than the current rate.

	1% Decrease	Current Discount Rate	1% Increase
Academy's Proportionate Share of the Net Pension Liability	\$ 197,960	\$ 140,539	\$ 92,396

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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***Actuarial Assumptions - STRS***

The total pension liability in the July 1, 2018 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation	2.50 percent
Projected Salary Increases	12.50 percent at age 20 to 2.50 percent at age 65
Investment Rate of Return	7.45 percent, net of investment expenses, including inflation
Projected Payroll Growth	3.00 percent
Cost-of-Living Adjustments	0.00 percent

Post-retirement mortality rates are based on RP-2014 Annuitant Mortality Table with 50 percent of rates through age 69, 70 percent of rates between ages 70 and 79, 90 percent of rates between ages 80 and 84, and 100 percent of rates thereafter, 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.

The actuarial assumptions used in the July 1, 2018 valuation, were adopted by the board from the results of an actuarial experience study for July 1, 2011, through June 30, 2016.

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:

<u>Asset Class</u>	<u>Target Allocation*</u>	<u>Long Term Expected Real Rate of Return**</u>
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	<u>100.00 %</u>	

\*Target weights will be phased in over a 24-month period concluding on July 1, 2019.

\*\*Ten year annualized geometric nominal returns, which include the real rate of return and inflation of 2.25 percent 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.

***Discount Rate*** The discount rate used to measure the total pension liability was 7.45 percent as of June 30, 2018. The projection of cash flows used to determine the discount rate assumes that employer and member contributions will be made at statutory contribution rates of 14 percent each. For this purpose, only employer contributions that are intended to fund benefits of current plan members and their beneficiaries are 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 percent was applied to all periods of projected benefit payments to determine the total pension liability as of June 30, 2018.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

***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 as of June 30, 2018, calculated using the current period discount rate assumption of 7.45 percent, 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 percent) or one-percentage-point higher (8.45 percent) than the current assumption:

	1% Decrease	Current Discount Rate	1% Increase
Academy's Proportionate Share of the Net Pension Liability	\$ 1,143,150	\$ 782,782	\$ 477,779

**NOTE 12 - DEFINED BENEFIT OPEB PLANS**

***Net OPEB Asset/Liability***

The net OPEB asset/liability reported on the statement of net position represents an asset or liability 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 asset/liability 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 asset/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 these estimates annually.

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 asset/liability is solely that 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 asset/liability. Resulting adjustments to the net OPEB asset/liability 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 asset/liability*. Any liability for the contractually-required OPEB contribution outstanding at the end of the year is included in *Intergovernmental Payable*.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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***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](http://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 percent of covered payroll to the Health Care Fund in accordance with the funding policy. For fiscal year 2019, 0.5 percent 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 2.0 percent of that employer's SERS-covered payroll; nor may SERS collect in aggregate more than 1.5 percent of the total statewide SERS-covered payroll for the health care surcharge. For fiscal year 2019, the Academy's surcharge obligation was \$1,630.

The surcharge, added to the allocated portion of the 14 percent employer contribution rate is the total amount assigned to the Health Care Fund. The Academy's contractually required contribution to SERS was \$2,051 for fiscal year 2019. Of this amount \$1,630 is reported as *Intergovernmental Payable*.

***Plan Description - State Teachers Retirement System (STRS)***

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

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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 percent of covered payroll. For the fiscal year ended June 30, 2019, STRS did not allocate any employer contributions to post-employment health care.

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

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

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
Proportion of the Net OPEB Liability:			
Current Measurement Date	0.00250970%	0.00356008%	
Prior Measurement Date	<u>0.00204160%</u>	<u>0.00447768%</u>	
Change in Proportionate Share	<u>0.00046810%</u>	<u>-0.00091760%</u>	
Proportionate Share of the Net			
OPEB Liability/(Asset)	\$ 69,626	\$ (57,207)	\$ 12,419
OPEB Expense	\$ 5,535	\$ (149,410)	\$ (143,875)

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

	<u>SERS</u>	<u>STRS</u>	<u>Total</u>
<b>Deferred Outflows of Resources</b>			
Differences between Expected and Actual Experience	\$ 1,137	\$ 6,683	\$ 7,820
Changes in Proportion and Differences between Academy Contributions and Proportionate Share of Contributions	13,317	0	13,317
Academy Contributions Subsequent to the Measurement Date	<u>2,051</u>	<u>0</u>	<u>2,051</u>
<b>Total Deferred Outflows of Resources</b>	<u>\$ 16,505</u>	<u>\$ 6,683</u>	<u>\$ 23,188</u>
<b>Deferred Inflows of Resources</b>			
Differences between Expected and Actual Experience	\$ 0	\$ 3,333	\$ 3,333
Net Difference between Projected and Actual Earnings on OPEB Plan Investments	105	6,535	6,640
Changes of Assumptions	6,254	77,949	84,203
Changes in Proportion and Differences between Academy Contributions and Proportionate Share of Contributions	<u>0</u>	<u>132,090</u>	<u>132,090</u>
<b>Total Deferred Inflows of Resources</b>	<u>\$ 6,359</u>	<u>\$ 219,907</u>	<u>\$ 226,266</u>

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

\$2,051 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 in the year ending June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Fiscal Year Ending June 30:	SERS	STRS	Total
2020	\$ 470	\$ (39,855)	\$ (39,385)
2021	831	(39,855)	(39,024)
2022	1,962	(39,856)	(37,894)
2023	2,009	(38,369)	(36,360)
2024	2,001	(37,847)	(35,846)
Thereafter	822	(17,442)	(16,620)
	<u>\$ 8,095</u>	<u>\$ (213,224)</u>	<u>\$ (205,129)</u>

***Actuarial Assumptions - SERS***

The total OPEB liability was determined by an actuarial valuation as of June 30, 2018. The actuarial assumptions used in the valuation are based on results from the most recent actuarial experience study, which covered the five-year period ending June 30, 2015. The experience study report is dated April 2016. The total OPEB liability used the following assumptions and other inputs:

Wage Inflation	3.00 percent
Future Salary Increases, including inflation	3.50 percent to 18.20 percent
Investment Rate of Return	7.50 percent net of investment expense, including inflation
Municipal Bond Index Rate	
Measurement Date	3.62 percent
Prior Measurement Date	3.56 percent
Single Equivalent Interest Rate	
Measurement Date	3.70 percent, net of plan investment expense, including price inflation
Prior Measurement Date	3.63 percent, net of plan investment expense, including price inflation
Health Care Cost Trend Rate	
Medicare	5.375 percent - 4.75 percent
Pre-Medicare	7.25 percent - 4.75 percent

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

The long-term expected rate of return on plan 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 long-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 percent, 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.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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:

<u>Asset Class</u>	<u>Target Allocation</u>	<u>Long Term Expected Real Rate of Return</u>
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	<u>10.00</u>	3.00
Total	<u>100.00 %</u>	

**Discount Rate** The discount rate used to measure the total OPEB liability at June 30, 2018 was 3.70 percent. The discount rate used to measure total OPEB liability prior to June 30, 2018 was 3.63 percent. The projection of cash flows used to determine the discount rate assumed that contributions will be made from members and the System at the contribution rate of 2.00 percent of projected covered payroll each year, which includes a 1.50 percent payroll surcharge and 0.50 percent 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 percent, 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. 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 and what the net OPEB liability would be if it were calculated using a discount rate that is one percentage point lower (2.70 percent) and higher (4.70 percent) than the current discount rate (3.70 percent). Also shown is what the net OPEB liability would be based on health care cost trend rates that are one percent lower (6.25 percent decreasing to 3.75 percent) and one percent higher (8.25 percent decreasing to 5.75 percent) than the current rate.

	<u>1% Decrease</u>	<u>Current Discount Rate</u>	<u>1% Increase</u>
	Academy's Proportionate Share of the Net OPEB Liability	\$ 84,486	\$ 69,626

  

	<u>1% Decrease</u>	<u>Current Trend Rate</u>	<u>1% Increase</u>
	Academy's Proportionate Share of the Net OPEB Liability	\$ 56,175	\$ 69,626

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

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***Actuarial Assumptions – STRS***

Key methods and assumptions used in the latest actuarial valuation, reflecting experience study results used in the June 30, 2018, actuarial valuation are presented below:

Inflation	2.50 percent
Projected Salary Increases	12.50 percent at age 20 to 2.50 percent at age 65
Investment Rate of Return	7.45 percent, net of investment expenses, including inflation
Payroll Increases	3.00 percent
Health Care Cost Trend Rates	-5.23 percent to 9.62 percent, initial, 4.00 percent ultimate

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 percent of rates through age 69, 70 percent of rates between ages 70 and 79, 90 percent of rates between ages 80 and 84, and 100 percent 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 percent of rates for males and 100 percent of rates for females, projected forward generationally using mortality improvement scale MP-2016.

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

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:

<u>Asset Class</u>	<u>Target Allocation*</u>	<u>Long Term Expected Real Rate of Return**</u>
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	<u>1.00</u>	2.25
Total	<u>100.00 %</u>	

\*Target weights will be phased in over a 24-month period concluding on July 1, 2019.

\*\*Ten year annualized geometric nominal returns, which include the real rate of return and inflation of 2.25 percent 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.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

**Discount Rate** The discount rate used to measure the total OPEB liability was 7.45 percent as of June 30, 2018. The projection of cash flows used to determine the discount rate assumed STRS continues to allocate no employer contributions to the health care fund. Based on those assumptions, the OPEB plan's 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 health care plan investments of 7.45 percent was applied to all periods of projected benefit payments to determine the total OPEB liability as of June 30, 2018.

**Sensitivity of the Academy's Proportionate Share of the Net OPEB Asset/Liability to Changes in the Discount and Health Care Cost Trend Rate** The following table represents the net OPEB asset/liability as of June 30, 2018, calculated using the current period discount rate assumption of 7.45 percent, as well as what the net OPEB asset/liability would be if it were calculated using a discount rate that is one percentage point lower (6.45 percent) or one percentage point higher (8.45 percent) than the current assumption. Also shown is the net OPEB liability as of June 30, 2018, 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	Current Discount Rate	1% Increase
Academy's Proportionate Share of the Net OPEB Liability/(Asset)	\$ (49,032)	\$ (57,207)	\$ (64,078)
	1% Decrease	Current Trend Rate	1% Increase
Academy's Proportionate Share of the Net OPEB Liability/(Asset)	\$ (63,690)	\$ (57,207)	\$ (50,623)

**NOTE 13 - CONTINGENCIES**

**Grants**

Amounts received from grantor agencies are subject to audit and adjustment by the grantor. Any disallowed costs may require refunding to the grantor. Amounts which may be disallowed, if any, are not presently determinable. However, in the opinion of the Academy, any such adjustments will not have a material adverse effect on the financial position of the Academy.

**Enrollment FTE**

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

Under Ohio Rev. Code Section 3314.08, ODE may also perform a FTE Review subsequent to the fiscal year end that may result in an additional adjustment to the enrollment information as well as claw backs of Foundation funding due to a lack of evidence to support student participation and other matters of noncompliance. As of the date of this report, ODE has not performed an FTE Review on the Academy for fiscal year 2019.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Basic Financial Statements*  
*For the Fiscal Year Ended June 30, 2019*

As of the date of this report, all ODE adjustments have been completed.

In addition, the School's contracts with their Sponsor and Management Company require payment based on revenues received from the State. As discussed above, all ODE adjustments through fiscal year 2019 have been completed. A reconciliation between payments previously made and the FTE adjustments has taken place with these contracts.

***Litigation***

The Academy is not a party to legal proceedings that, in the opinion of management, would have a material adverse effect on the financial statements.

**NOTE 14 - OPERATING LEASE**

The Academy leases its facilities from B.F. Hill Investments, Inc. under a six-year cancellable lease agreement beginning July 1, 2002 through June 30, 2008 that was extended on a monthly basis for 2009 through 2017. The lease was renewed for a three-year period from July 1, 2017, through June 30, 2020. Rent for fiscal year 2019 totaled \$100,004. The terms of the lease are not expected to change significantly during fiscal year 2020.

**NOTE 15 - MANAGEMENT COMPANY EXPENSES**

As of June 30, 2019, Educational Empowerment, LLC and its affiliates incurred the following expenses on behalf of the School:

	Regular Instruction (1100 Function codes)	Special Instruction (1200 Function codes)	Vocational Instruction (1300 Function codes)	Support Services (2000 Function Codes)	Non-Instructional (3000 through 7000 Function Codes)	Total
<i>Direct expenses:</i>						
Salaries & wages (100 object codes)	\$ 412,402	\$ 44,409	\$ -	\$ 68,636	\$ 135,117	\$ 660,564
Employees' benefits (200 object codes)	-	-	-	-	2,410	2,410
Utilities (450 object codes)	-	-	-	-	1,889	1,889
Contracted craft or trade services (460 object codes)	-	-	-	-	5,228	5,228
Supplies (500 object codes)	4,978	-	-	-	-	4,978
Other direct costs (All other object codes)	-	-	-	-	4,958	4,958
<b>Overhead</b>						
	-	-	-	-	185,363	185,363
<b>Total expenses</b>	<b>\$ 417,380</b>	<b>\$ 44,409</b>	<b>\$ -</b>	<b>\$ 68,636</b>	<b>\$ 334,965</b>	<b>\$ 865,390</b>

Overhead charges are assigned to the School based on a percentage of full time equivalent head count. These charges represent the indirect cost of services provided in the operation of the School. Such services include, but are not limited to facilities management, equipment, operational support services, management and management consulting, board relations, human resources management, training and orientation, financial reporting and compliance, purchasing and procurement, education services, technology support, marketing and communications.

**NOTE 16 – MANAGEMENT'S PLAN**

For the fiscal year 2019, the School had an operating loss of \$133,329 and a negative net position of \$1,850,110. The School has an operating loss and negative net position, excluding the impact of GASB 68 and GASB 75 accruals, of \$509,511 and a deficit of \$331,481, respectively. Management continues to take steps towards increasing student enrollment and containing costs, which would provide additional State funding and reduce expenses respectively, enabling the School to return to financial stability.

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**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Required Supplementary Information*  
*Schedule of the Academy's Proportionate Share of the Net Pension Liability*  
*Last Six Fiscal Years (1)*

	<b>2019</b>	<b>2018</b>	<b>2017</b>	<b>2016</b>
<b><i>School Employees Retirement System (SERS)</i></b>				
Academy's Proportion of the Net Pension Liability	0.00245390%	0.00200370%	0.00205800%	0.00225900%
Academy's Proportionate Share of the Net Pension Liability	\$ 140,539	\$ 119,717	\$ 150,627	\$ 128,901
Academy's Covered Payroll	\$ 84,681	\$ 38,286	\$ 57,586	\$ 86,373
Academy's Proportionate Share of the Net Pension Liability as a Percentage of its Covered Payroll	165.96%	312.69%	261.57%	149.24%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	71.36%	69.50%	62.98%	69.16%
<b><i>State Teachers Retirement System (STRS)</i></b>				
Academy's Proportion of the Net Pension Liability	0.00356008%	0.00447768%	0.00707950%	0.00703629%
Academy's Proportionate Share of the Net Pension Liability	\$ 782,782	\$ 1,063,682	\$ 2,369,722	\$ 1,944,625
Academy's Covered Payroll	\$ 404,721	\$ 492,264	\$ 694,729	\$ 818,914
Academy's Proportionate Share of the Net Pension Liability as a Percentage of its Covered Payroll	193.41%	216.08%	341.10%	237.46%
Plan Fiduciary Net Position as a Percentage of the Total Pension Liability	77.31%	75.30%	66.80%	72.10%

(1) Information prior to 2014 is not available.

Note: The amounts presented for each fiscal year were determined as of the measurement date, which is the prior fiscal year.

See accompanying notes to the required supplementary information.

<u>2015</u>	<u>2014</u>
0.00211600%	0.00211600%
\$ 107,090	\$ 125,832
\$ 49,524	\$ 51,763
216.24%	243.09%
71.70%	65.52%
0.00691020%	0.00691020%
\$ 1,680,800	\$ 2,002,158
\$ 715,477	\$ 1,053,962
234.92%	189.96%
74.70%	69.30%

See accompanying notes to the required supplementary information.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Required Supplementary Information*  
*Schedule of the Academy's Contributions - Pension*  
*Last Ten Fiscal Years*

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
<b><i>School Employees Retirement System (SERS)</i></b>				
Contractually Required Contribution	\$ 11,377	\$ 11,432	\$ 5,360	\$ 8,062
Contributions in Relation to the Contractually Required Contribution	<u>(11,377)</u>	<u>(11,432)</u>	<u>(5,360)</u>	<u>(8,062)</u>
Contribution Deficiency (Excess)	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
Academy's Covered Payroll	\$ 84,274	\$ 84,681	\$ 38,286	\$ 57,586
Pension Contributions as a Percentage of Covered Payroll	13.50%	13.50%	14.00%	14.00%
<b><i>State Teachers Retirement System (STRS)</i></b>				
Contractually Required Contribution	\$ 74,764	\$ 56,661	\$ 68,917	\$ 97,262
Contributions in Relation to the Contractually Required Contribution	<u>(74,764)</u>	<u>(56,661)</u>	<u>(68,917)</u>	<u>(97,262)</u>
Contribution Deficiency (Excess)	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
Academy's Covered Payroll	\$ 534,029	\$ 404,721	\$ 492,264	\$ 694,729
Pension Contributions as a Percentage of Covered Payroll	14.00%	14.00%	14.00%	14.00%

See accompanying notes to the required supplementary information.

<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
\$ 11,384	\$ 6,864	\$ 7,164	\$ 6,619	\$ 4,949	\$ 4,834
<u>(11,384)</u>	<u>(6,864)</u>	<u>(7,164)</u>	<u>(6,619)</u>	<u>(4,949)</u>	<u>(4,834)</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
\$ 86,373	\$ 49,524	\$ 51,763	\$ 49,212	\$ 39,372	\$ 35,702
13.18%	13.86%	13.84%	13.45%	12.57%	13.54%
\$ 114,648	\$ 93,012	\$ 137,015	\$ 153,139	\$ 83,571	\$ 75,261
<u>(114,648)</u>	<u>(93,012)</u>	<u>(137,015)</u>	<u>(153,139)</u>	<u>(83,571)</u>	<u>(75,261)</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
\$ 818,914	\$ 715,477	\$ 1,053,962	\$ 1,177,992	\$ 642,854	\$ 578,931
14.00%	13.00%	13.00%	13.00%	13.00%	13.00%

See accompanying notes to the required supplementary information.

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**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Required Supplementary Information*  
*Schedule of the Academy's Proportionate Share of the Net OPEB Liability/(Asset)*  
*Last Three Fiscal Years (1)*

	<u>2019</u>	<u>2018</u>	<u>2017</u>
<b><i>School Employees Retirement System (SERS)</i></b>			
Academy's Proportion of the Net OPEB Liability	0.00250970%	0.00204160%	0.00193936%
Academy's Proportionate Share of the Net OPEB Liability	\$ 69,626	\$ 54,791	\$ 55,279
Academy's Covered Payroll	\$ 84,681	\$ 26,257	\$ 57,586
Academy's Proportionate Share of the Net OPEB Liability as a Percentage of its Covered Payroll	82.22%	208.67%	95.99%
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	13.57%	12.46%	11.49%
<b><i>State Teachers Retirement System (STRS)</i></b>			
Academy's Proportion of the Net OPEB Liability/(Asset)	0.00356008%	0.00447768%	0.00707950%
Academy's Proportionate Share of the Net OPEB Liability/(Asset)	\$ (57,207)	\$ 174,703	\$ 378,614
Academy's Covered Payroll	\$ 404,721	\$ 492,264	\$ 694,729
Academy's Proportionate Share of the Net OPEB Liability/(Asset) as a Percentage of its Covered Payroll	-14.13%	35.49%	54.50%
Plan Fiduciary Net Position as a Percentage of the Total OPEB Liability	176.00%	47.10%	37.30%

(1) Information prior to 2017 is not available.

Note: The amounts presented for each fiscal year were determined as of the measurement date, which is the prior fiscal year.

See accompanying notes to the required supplementary information.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Required Supplementary Information*  
*Schedule of the Academy's Contributions - OPEB*  
*Last Ten Fiscal Years*

	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
<b><i>School Employees Retirement System (SERS)</i></b>				
Contractually Required Contribution (1)	\$ 2,051	\$ 1,869	\$ 1,151	\$ 354
Contributions in Relation to the Contractually Required Contribution	<u>(2,051)</u>	<u>(1,869)</u>	<u>(1,151)</u>	<u>(354)</u>
Contribution Deficiency (Excess)	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
Academy's Covered Payroll	\$ 84,274	\$ 84,681	\$ 38,286	\$ 57,586
OPEB Contributions as a Percentage of Covered Payroll (1)	2.43%	2.21%	3.01%	0.61%
<b><i>State Teachers Retirement System (STRS)</i></b>				
Contractually Required Contribution	\$ 0	\$ 0	\$ 0	\$ 0
Contributions in Relation to the Contractually Required Contribution	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Contribution Deficiency (Excess)	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
Academy's Covered Payroll	\$ 534,029	\$ 404,721	\$ 492,264	\$ 694,729
OPEB Contributions as a Percentage of Covered Payroll	0.00%	0.00%	0.00%	0.00%

(1) Includes surcharge

See accompanying notes to the required supplementary information.

<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>
\$ 944	\$ 471	\$ 492	\$ 287	\$ 193	\$ 174
<u>(944)</u>	<u>(471)</u>	<u>(492)</u>	<u>(287)</u>	<u>(193)</u>	<u>(174)</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
\$ 86,373	\$ 49,524	\$ 51,763	\$ 49,212	\$ 39,372	\$ 35,702
1.09%	0.95%	0.95%	0.58%	0.49%	0.49%
\$ 0	\$ 7,155	\$ 10,540	\$ 11,780	\$ 6,429	\$ 5,789
<u>0</u>	<u>(7,155)</u>	<u>(10,540)</u>	<u>(11,780)</u>	<u>(6,429)</u>	<u>(5,789)</u>
<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>
\$ 818,914	\$ 715,477	\$ 1,053,962	\$ 1,177,992	\$ 642,854	\$ 578,931
0.00%	1.00%	1.00%	1.00%	1.00%	1.00%

See accompanying notes to the required supplementary information.

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Required Supplementary Information*  
*For the Fiscal Year Ended June 30, 2019*

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**Note 1 - Net Pension Liability**

***Changes in Assumptions - SERS***

For fiscal year 2017, the SERS Board adopted the following assumption changes:

- Assumed rate of inflation was reduced from 3.25 percent to 3.00 percent
- Payroll Growth Assumption was reduced from 4.00 percent to 3.50 percent
- Assumed real wage growth was reduced from 0.75 percent to 0.50 percent
- Rates of withdrawal, retirement and disability were updated to reflect recent experience.
- 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.
- Mortality among service retired members, and beneficiaries was updated to RP-2014 Blue Collar Mortality Table with fully generational projection with Scale BB, 120 percent of male rates, and 110 percent of female rates.
- Mortality among disabled members was updated to RP-2000 Disabled Mortality Table, 90 percent for male rates and 100 percent for female rates, set back five years is used for the period after disability retirement.

***Changes in Benefit Terms - SERS***

For fiscal year 2018, the cost-of-living adjustment was changed from a fixed 3.00 percent to a cost-of-living adjustment that is indexed to CPI-W not greater than 2.50 percent with a floor of zero percent beginning January 1, 2018. In addition, with the authority granted the Board under HB 49, the Board has enacted a three-year COLA suspension for benefit recipients in calendar years 2018, 2019 and 2020.

***Changes in Assumptions – STRS***

For fiscal year 2018, the Retirement Board approved several changes to the actuarial assumptions in 2017. The long term expected rate of return was reduced from 7.75 percent to 7.45 percent, the inflation assumption was lowered from 2.75 percent to 2.50 percent, the payroll growth assumption was lowered to 3.00 percent, and total salary increases rate was lowered by decreasing the merit component of the individual salary increases, in addition to a decrease of 0.25 percent due to lower inflation. The healthy and disabled mortality assumptions were updated to the RP-2014 mortality tables with generational improvement scale MP-2016. Rates of retirement, termination and disability were modified to better reflect anticipated future experience.

***Changes in Benefit Terms - STRS***

For fiscal year 2018, the cost-of-living adjustment (COLA) was reduced to zero.

**Note 2 - Net OPEB Liability**

***Changes in Assumptions – SERS***

Amounts reported for fiscal year 2019 incorporate changes in key methods and assumptions used in calculating the total OPEB liability. The Municipal Bond Index Rate increased from 3.56 percent to 3.62

**Miami Valley Academies**  
**Montgomery County, Ohio**  
*Notes to the Required Supplementary Information*  
*For the Fiscal Year Ended June 30, 2019*

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percent. Single Equivalent Interest Rate, net of plan investment expense, including price inflation, increased from 3.63 percent to 3.70 percent. The health care cost trend assumptions changed as follows:

Pre-Medicare

Fiscal year 2018 7.50 percent initially, decreasing to 4.00 percent

Fiscal year 2019 7.25 percent initially, decreasing to 4.75 percent

Medicare

Fiscal year 2018 5.50 percent initially, decreasing to 5.00 percent

Fiscal year 2019 5.375 percent initially, decreasing to 4.75 percent

Amounts reported for fiscal year 2018 incorporate changes in key methods and assumptions used in calculating the total OPEB liability. The Municipal Bond Index Rate increased from 2.92 percent to 3.56 percent. Single Equivalent Interest Rate, net of plan investment expense, including price inflation, increased from 2.98 percent to 3.63 percent.

***Changes in Benefit Terms - SERS***

There have been no changes to the benefit provisions.

***Changes in Assumptions – STRS***

For fiscal year 2019, the discount rate was increased from the blended rate of 4.13 percent to the long-term expected rate of return of 7.45 percent. Valuation year per capita health care costs were updated. Health care cost trend rates ranged from 6.00 percent to 11 percent initially and a 4.50 percent ultimate rate for fiscal year 2018 and changed for fiscal year 2019 to a range of -5.20 percent to 9.60 percent, initially and a 4.00 ultimate rate.

For fiscal year 2018, the blended discount rate was increased from 3.26 percent to 4.13 percent. Valuation year per capita health care costs were updated, and the salary scale was modified. 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. The assumed mortality, disability, retirement, withdrawal and future health care cost trend rates were modified along with the portion of rebated prescription drug costs.

***Changes in Benefit Terms – STRS***

For fiscal year 2019, the subsidy multiplier for non-Medicare benefit recipients was increased from 1.9 percent to 1.944 percent 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.

For fiscal year 2018, the subsidy multiplier for non-Medicare benefit recipients was reduced from 2.1 percent to 1.9 percent 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. This was subsequently extended, see above paragraph.

December 23, 2019

To the Board of Trustees  
Miami Valley Academies  
5656 Springboro Pike  
Dayton, OH 45449

**Independent Auditor's Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards***

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of Miami Valley Academies, Montgomery County, Ohio (the "School") as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the School's basic financial statements, and have issued our report thereon dated December 23, 2019, in which we noted the School has a net position deficit of \$1,850,110 and a loss from operations of \$133,329, including the net effect of net pension liability, net OPEB asset/liability and related accruals totaling \$1,518,629 and \$376,182, respectively, that raise substantial doubt about its ability to continue as a going concern.

**Internal Control over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the School's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the School's internal control. Accordingly, we do not express an opinion on the effectiveness of the School's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. 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 deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the School's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

### **Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*Hea & Associates, Inc.*

Dublin, Ohio

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# OHIO AUDITOR OF STATE KEITH FABER



**MIAMI VALLEY ACADEMIES**

**MONTGOMERY COUNTY**

## **CLERK'S CERTIFICATION**

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

*Susan Babbitt*

**CLERK OF THE BUREAU**

**CERTIFIED  
FEBRUARY, 11 2020**