Financial Statements

EMERALD CHARTER SCHOOLS EMERALD ACADEMY

Year Ended June 30, 2019

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INDEPENDENT ACCOUNTANTS' AUDIT REPORT

Board of Directors Emerald Charter Schools Knoxville, Tennessee

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activities and each major fund of Emerald Academy as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise Emerald 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.

Auditors' 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 of America. 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 auditors' 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 auditors consider internal control relevant to the 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 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.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities and each major fund of Emerald Academy as of June 30, 2019 and the respective changes in financial position thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that management's discussion and analysis on pages 4 to 7, the schedule of proportionate share of the net pension liability (asset) on pages 41 and 42 and the schedule of pension contributions on page 43 and 44 be presented to supplement the financial statements. Such information, although not a part of the financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the 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 financial statements, and other information we obtained during our audit of the financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise Emerald Academy's financial statements. The accompanying information listed in the table of contents as other supplementary information is presented for purposes of additional analysis and is not a required part of the financial statements.

The schedules of long-term debt requirements and expenditures of federal awards are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

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

Other Reporting Required by Governmental Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated November 21, 2019 on our consideration of Emerald Academy's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, grant agreements and other matters. The purpose of that report is 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 Emerald 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 Emerald Academy's internal control over financial reporting and compliance.

Mitchell Emert + Hill

November 21, 2019

Emerald Academy Management's Discussion & Analysis

Our discussion and analysis of Emerald Academy's (the Academy) financial performance provides an overview of its financial activities for the year ended June 30, 2019 as compared to the fiscal year ended June 30, 2018. This section should be read in conjunction with the financial statements, which follow this section.

FINANCIAL HIGHLIGHTS

- The assets of the Academy exceeded its liabilities at June 30, 2019 by \$1,033,678 (\$522,689 at June 30, 2018).
- The Academy's net position increased by \$510,989 during the year ended June 30, 2019 (decreased by \$72,905 in 2018).
- During the year ended June 30, 2019, total revenues of \$5,129,363 were comprised of federal, state and local funds of approximately 85% and charitable giving and other of approximately 15%. During the year ended June 30, 2018, total revenues of \$3,775,238 were comprised of state funds of approximately 85% and charitable giving and other of approximately 15%. The Academy is expected to become largely self-sustaining within a couple of years of operation.

OVERVIEW OF THE FINANCIAL STATEMENTS

This financial report consists of a series of financial statements, notes to those statements and supplementary information. The statements are organized so that the reader can understand the financial position of the Academy as a whole and then proceed to a detailed look of the organization's specific financial activities.

REPORTING THE ENTITY AS A WHOLE

The Statement of Net Position and Statement of Activities:

In general, users of these financial statements desire to know whether the Academy's financial position is better or worse as a result of the period's activities. The statement of net position and statement of activities report information with respect to the Academy as a whole in a manner that helps to answer that question. These statements, beginning on page 8, present all assets and liabilities using the accrual basis, which accounts for current period revenue and expenses regardless of when cash was received or paid.

Similar to the private sector statement of financial position (or balance sheet) that reports on retained earnings, the statement of net position reports the Academy's total assets less total liabilities. The Academy's net position at period end represents resources available for future use or growth.

The statement of activities, similar to the private sector statement of operations (or profit and loss statement), reports the Academy's change in net position as a result of financial activity during the period. This report reflects the Academy's revenue and expenses during the period.

REPORTING THE ENTITY'S FUNDS

Fund Financial Statements:

The Academy's fund financial statements (beginning on page 10), which includes the balance sheet and the statement of revenue, expenditures and changes in fund balances, provide information about the general purpose school fund (or operating fund), the federal projects fund and the capital projects fund. The Academy establishes these funds to manage and properly account for dollars to be utilized for particular purposes, as well as to comply with various donor and grant provisions.

The Academy funds are considered to be "governmental funds," which are reported on the "modified accrual" basis of accounting. This basis of accounting differs from the accrual basis used in the entity-wide financial statements. The relationship between governmental activities, as reported in the statement of net position and the statement of activities, and governmental funds, as reported in the balance sheet and the statement of revenue, expenditures and changes in fund balances, is reconciled on pages 11 and 13.

ENTITY-WIDE FINANCIAL ANALYSIS

The Academy's assets exceeded its liabilities at June 30, 2019 by \$1,033,678 (\$522,689 at June 30, 2018). At June 30, 2019 the Academy's assets included \$93,603 in cash and accounts receivable. At June 30, 2018 the Academy's assets included \$243,489 of cash and accounts receivable. As of June 30, 2019, the Academy had invested \$5,065,223(\$4,951,788 at June 30, 2018) in capital assets (net of accumulated depreciation). This investment includes building improvements to the Academy's facility used for instructional purposes, instructional support equipment and furniture. Additional information on property and equipment can be found in Note D of the financial statements. At June 30, 2019 the Academy had debt in the amount of \$4,400,000 (\$4,854,252 at June 30, 2018), which was used to fund certain capital purchases and improvements. See Note I to the financial statements for further information.

At June 30 the Academy's net position consisted of the following:

		2019	2018
Current assets Net pension asset Restricted assets Capital assets	Total assets	\$ 142,975 131,184 27,487 5,065,223 5,366,869	\$ 358,790 33,086 0 4,951,788 5,343,664
Deferred outflows of resources		280,051	265,331
Current liabilities Net pension liability Noncurrent liabilities	Total liabilities	$ \begin{array}{c} (372,703) \\ 0 \\ \underline{(4,100,000)} \\ (4,472,703) \end{array} $	(861,782) 0 (4,100,000) (4,961,782)
Deferred inflows of resources		(140,539)	(124,524)
Net position: Net investment in capital assets Restricted Unrestricted	Total net position	\$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$ 522,689 \$ 851,788 317,335 (646,434) \$ 522,689

During the year ended June 30, 2019, total net position increased \$510,989 (decreased \$72,905 during 2018). At June 30, 2019 unrestricted net position of the Academy was a deficit of \$191,816 (\$646,434 deficit unrestricted net position at June 30, 2018). A schedule of the Academy's entity-wide revenue and expenses for the period ended June 30 is as follows.

		 2019	 2018
Revenue:			
Federal, state and local funds		\$ 4,353,792	\$ 3,201,030
Contributions		770,692	572,056
Other		4,879	2,152
	Total revenue	5,129,363	3,775,238

		2019	2018
Expenses:			
Employee compensation		2,662,443	2,070,232
Employee benefits		552,069	480,699
Depreciation		178,471	194,367
Contracted services		563,385	570,449
Supplies and materials		611,337	471,719
Staff development		9,196	27,861
Other charges		10,466	14,129
Interest expense		31,007	18,687
	Total expenses	4,618,374	3,848,143
	Change in net position	\$ 510,989	\$ (72,905)

FINANCIAL ANALYSIS OF THE ACADEMY'S FUNDS

The Academy's funds, as presented on the balance sheet on page 10, reported a combined fund deficit of \$202,241 at June 30, 2019. A fund deficit of \$502,992 was reported at June 30, 2018, the entirety of which resided in the general purpose school fund. Differences between the amounts reported within the Academy's funds and those reported as the Academy's entity-wide financial statements are due to the different basis of accounting as discussed earlier (see page 11 and 13 for the reconciliation of amounts) and are largely due to the accounting for capital assets and related debt.

ACADEMY ACTIVITIES

The Academy was founded to provide free, sustainable, high quality public schools in Knoxville's urban neighborhoods. Authorized by the Knox County Board of Education, Emerald Academy opened with an inaugural class of 120 kindergarten and first grade scholars in Fall 2018. Grade levels will be added over the next several years such that the Academy will eventually educate kindergarten through eighth grade scholars, fully enrolled by Fall 2019. Through rigorous curriculum, high quality instruction, and positive character development, the mission of the Academy is to ensure that all kindergarten through eighth grade scholars have access to an outstanding college preparatory education.

CONTACTING THE ACADEMY'S FINANCIAL MANAGEMENT

This financial report is designed to be accountable to, and provide information for, the parents of Academy scholars, the Knox County taxpayers, donors, creditors, authorities over grant funding, and agencies tasked with oversight of Knox County public education with a general overview of the Academy's financial position. For questions about this report or additional financial information, contact Steve Diggs, President Emerald Service Bureau, by telephone at (865) 637-3227.

STATEMENT OF NET POSITION

June 30, 2019

ASSETS		
Cash and cash equivalents		\$ 41,978
Accounts receivable		51,625
Prepaid expenses		49,372
Net pension asset		131,184
Capital assets not being depreciated		100,000
Capital assets being depreciated		
net of accumulated depreciation		4,965,223
		5,339,382
RESTRICTED CASH		
Pension trust contributions		27,487
DEFERRED OUTFLOWS OF RESOURCES		
Deferred outflows related to pensions		280,051
		Φ. σ.
		\$ 5,646,920
LIABILITIES		
Accounts payable		\$ 72,703
Notes payable		300,000
Long-term debt		4,100,000
		4,472,703
DEEEDDED INELOWS OF DESCRIDES		
DEFERRED INFLOWS OF RESOURCES Deferred inflows related to pensions		140 520
Deferred inflows related to pensions		140,539
NET POSITION		
Net investment in capital assets	\$ 965,223	
Restricted	260,271	
Unrestricted(deficit)	(191,816)	1,033,678
		\$ 5,646,920
		ψ 5,0 1 0,720

STATEMENT OF ACTIVITIES

Year Ended June 30, 2019

				Net (Expense) Revenue and Change In
		Program	Revenue	Net Position
		Fees, Fines	Operating	
		and Charges	Grants and	
	Expenses	for Services	Contributions	Totals
Governmental Activities:				
Education	\$ 4,618,374	\$ 3,386	\$ 5,124,484	\$ 509,496
General Revenue: Interest income				1,493
				2,120
		CHANGE IN N	NET POSITION	510,989
NET POSITION AT THE B	BEGINNING OF T	HE YEAR,		522,689
	NET POSITIO	ON AT THE END	OF THE YEAR	\$ 1,033,678

BALANCE SHEET GOVERNMENTAL FUNDS

June 30, 2019

	General Purpose School Fund	Federal Project Fund	Capital Project Fund	<u>Totals</u>
ASSETS				
Cash	\$ 34,685	\$ 0	\$ 7,294	\$ 41,978
Accounts receivable	51,625	0	0	51,625
Prepaid expenses	49,372	0	0	49,372
	135,681	0	7,294	142,975
RESTRICTED ASSET				
Pension trust contributions	27,487	0	0	27,487
	\$ 163,168	<u>\$0</u>	\$ 7,294	\$ 170,462
LIABILITIES				
Accounts payable	\$ 72,703	\$ 0	\$ 0	\$ 72,703
Notes payable	300,000	0	0	300,000
	372,703	0	0	372,703
FUND BALANCES(DEFICIT)				
Nonspendable	49,372	0	0	49,372
Restricted	121,793	0	7,294	129,087
Unassigned	(380,700)	0	0	(380,700)
	(209,536)	0	7,294	(202,241)
	\$ 163,168	\$ 0	\$ 7,294	\$ 170,462

RECONCILIATION OF THE GOVERNMENTAL FUNDS BALANCE SHEET TO THE STATEMENT OF NET POSITION

June 30, 2019

Total Fund (Deficit) - Governmental Funds	\$	(202,241)
Capital assets used in governmental activities are reported in the statement of net position; however, they are not current financial resources; therefore,		
they are not reported in the governmental funds balance sheet.		5,065,223
Net pension assets and liabilities, and the related deferred outflows		
and deferred inflows, are reported in the statement of net position;		
however, they are not current financial resources; therefore, they are		
not reported in the governmental funds balance sheet.		
Net pension asset		131,184
Deferred outflows of resources		280,051
Deferred inflows of resources		(140,539)
Long-term liabilities are not due in the current period; therefore, they are		
not reported in the governmental funds balance sheet.	_(4,100,000)
Net Position of Governmental Activities	<u>\$</u>	1,033,678

STATEMENT OF REVENUE, EXPENDITURES AND CHANGES IN FUND BALANCES GOVERNMENTAL FUNDS

Year Ended June 30, 2019

	General Purpose School Fund	Federal Project Fund	Capital Project Fund	Totals
REVENUE				
Contributions	\$ 770,692	\$ 0	\$ 0	\$ 770,692
Federal, state and local funds	3,941,608	412,185	0	4,353,792
Interest	1,453	0	40	1,493
Other income	3,157	0	0	3,157
TOTAL REVENUE	4,716,910	412,185	40	5,129,134
EXPENDITURES				
Current:				
Personal services	2,401,861	260,582	0	2,662,443
Employee benefits	566,135	82,737	0	648,872
Contracted services	563,385	0	0	563,385
Supplies and materials	590,031	20,707	599	611,337
Staff development	9,196	0	0	9,196
Other charges	10,466	0	0	10,466
Capital outlay	210,106	48,159	33,413	291,678
Debt service	31,007	0	0	31,007
TOTAL EXPENDITURES	4,382,187	412,185	34,012	4,828,384
EXCESS(DEFICIENCY) OF REVENUE OVER EXPENDITURES	334,722	0	(33,972)	300,751
FUND (DEFICIT)BALANCES AT THE BEGINNING OF THE YEAR	(544,258)	0	41,266	(502,992)
FUND (DEFICIT)BALANCES AT THE END OF THE YEAR	\$ (209,536)	\$ 0	\$ 7,294	<u>\$ (202,241)</u>

RECONCILIATION OF THE STATEMENT OF REVENUE, EXPENDITURES AND CHANGES IN FUND BALANCES OF THE GOVERNMENTAL FUNDS TO THE STATEMENT OF ACTIVITIES

Year Ended June 30, 2019

Excess of Revenue Over Expenditures - Governmental Funds	\$ 300,751
Governmental funds report capital outlays as expenditures. However, in the statement of activities, the cost of those assets is allocated over their estimated useful lives and reported as depreciation:	
Acquisition of capital assets	291,677
Depreciation expense	(178,470)
Pension expense reported in the statement of activities does not result in current financial resources, therefore, it is not reported in the statement of revenue, expenditures and changes in fund balances of governmental funds	(22,767)
Retirement contributions made after the actuarial measurement date are not expenditures in the governmental funds, but increase deferred outflows for governmental activities.	119,798
Change in Net Position of Governmental Activities	\$ 510,989

NOTES TO THE FINANCIAL STATEMENTS

June 30, 2019

NOTE A - DESCRIPTION OF ORGANIZATION

Emerald Charter Schools was incorporated in January 2014 as a Tennessee nonprofit corporation and began operations to open Emerald Academy (the Academy) for the 2015-2016 school year. Pursuant to Section 6(b)(1)(A) of the Tennessee Public Charter School Act of 2002, Emerald Charter Schools has been approved to operate the Academy as a public charter school. Public charter schools are part of the state's public education program, offering an alternative means within the public school system for accomplishing necessary outcomes of education. Emerald Charter Schools entered into a Charter School Agreement with Knox County Schools in June 2014, to operate the Academy as a charter school in Knoxville, Tennessee. The Academy began classes in July 2015 with a kindergarten class and first grade class with plans to add additional grades each year culminating in full enrollment of grades kindergarten through eighth by the 2019-2020 school year.

NOTE B - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Government-Wide and Fund Financial Statements

The government-wide financial statements, which consist of the statement of net position and the statement of activities, report information on all nonfiduciary activities of the Academy. The statement of activities demonstrates the degree to which the direct expenses of a given function or segment is offset by program revenue. Direct expenses are those that are clearly identifiable with a specific function or segment. Program revenue includes 1) charges to customers or members who purchase, use, or directly benefit from goods, services, or privileges provided by a given function or segment, and 2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Other income not included among program revenue is reported instead as general revenue.

Measurement Focus, Basis of Accounting and Basis of Presentation

The government-wide financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. Revenue is recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of the related cash flow. Grants and similar items are recognized as revenue as soon as all eligible requirements imposed by the provider have been met.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenue is recognized as soon as it is both measurable and available. Revenue is considered to be available when it is collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the Academy considers revenue to be available if it is collected within 60 days of the end of the current fiscal period. Expenditures are recorded when a liability is incurred, as under accrual accounting.

The Academy reports the following major governmental funds:

The *general purpose school fund* is the Academy's primary operating fund. It accounts for all financial resources of the general government, except those required to be accounted for in another fund.

The federal project fund is used to account for revenue legally restricted for federal projects of the Academy.

The *capital project fund* is used to account for revenue legally restricted for capital projects of the Academy.

Governmental Accounting Standards Board Statement No. 34, *Basic Financial Statements-and Management's Discussion and Analysis-for State and Local Governments* establishes standards for external financial reporting for state and local governments and requires that resources be classified for accounting reporting purposes into the following three net position groups:

Net Investment in Capital Assets

This category includes capital assets, net of accumulated depreciation and outstanding principal balances of debt attributable to the acquisition, construction or improvement of those assets. Net investment in capital assets at June 30, 2019 has been calculated as follows:

Capital assets	\$ 5,700,262
Accumulated depreciation	(635,039)
Bonds payable	(4,100,000)

965.223

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Restricted

This category includes net position whose use is subject to externally imposed stipulations that can be fulfilled by actions of the Academy pursuant to those stipulations or that expire by the passage of time. When both restricted and unrestricted resources are available for use, it is the Academy's policy to use restricted resources first, then the unrestricted resources as they are needed. Net position of the general purpose school fund is restricted for sports equipment and for time restrictions. Net position of the capital project fund is restricted because its use is limited to capital projects.

Unrestricted

This category includes net position that is not subject to externally imposed stipulations and that do not meet the definition of "restricted" or "net investment in capital assets". Unrestricted net position may be designated for specific purposes by action of management or the Board of Directors or may otherwise be limited by contractual agreements with outside parties.

Fund Balances

Governmental Accounting Standards Board Statement No. 54, Fund Balance Reporting and Governmental Fund Type Definitions establishes standards for fund balance classifications for state and local governments and requires that resources be classified for accounting reporting purposes into the following fund balances:

Nonspendable Fund Balances

Fund balances reported as nonspendable in the accompanying financial statements represent amounts for prepaid expenses or inventory.

Restricted Fund Balances

Fund balances reported as restricted in the accompanying financial statements represent amounts restricted to specific purposes by externally imposed restrictions or imposed by law through constitutional provisions or enabling legislation.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Committed Fund Balances

Fund balances reported as committed in the accompanying financial statements represent amounts that can be used only for the specific purposes determined by a formal action of the Academy's highest level of decision-making authority. The Board of Directors commits resources for specific purposes by passing resolutions.

Assigned Fund Balances

Fund balances reported as assigned in the accompanying financial statements represent amounts that are constrained by the Academy's intent to be used for a specific purpose but are neither restricted nor committed. This intent is expressed by the Board of Directors.

Unassigned Fund Balance

In accordance with generally accepted accounting principles, the general fund is the only fund at the Academy that reports amounts for unassigned fund balance. This classification represents fund balance that is not nonspendable and has not been committed to specific purposes within the general fund.

The Academy would typically use restricted resources first, followed by committed resources, and then assigned resources, as appropriate opportunities arise, but reserves the right to selectively spend unassigned resources first to defer the use of these other classified funds.

Capital Assets

Capital assets, which include property, plant and equipment, are reported in the applicable governmental activities columns on the government-wide financial statements. Capital assets are defined by the Academy as assets with an initial cost of \$1,000 or more. Such assets are recorded at historical cost or estimated historical cost if actual historical cost is not available. Donated capital assets are valued at estimated fair value on the date of donation. Depreciation is computed using the straight-line method over the estimated useful lives of the assets, which range from 5 to 40 years. The cost of normal maintenance and repairs that do not add to the value of the assets or materially extend asset lives are not capitalized. Depreciation expense for the year ended June 30, 2019 was \$178,470.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Pensions

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense (in the government-wide statements), information about the fiduciary net position of the Teacher Legacy Pension Plan of the Tennessee Consolidated Retirement System (TCRS) and the Teacher Retirement Plan of the TCRS and additions to/deductions from the plans' fiduciary net position have been determined on the same basis as they are reported by the TCRS. For this purpose, benefits (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms of the respective plan. Investments are reported at fair value.

Income Tax

Emerald Charter Schools is exempt from federal income taxes under Section 501(c)(3) of the Internal Revenue Code, except on unrelated business income. Emerald Charter Schools' income tax filings are open and subject to examination by the Internal Revenue Service generally for three years after they are filed. However, Emerald Charter Schools is not currently under audit nor has Emerald Charter Schools been contacted by this jurisdiction. Emerald Charter Schools believes they have appropriate support for any tax positions taken, and as such, does not have any uncertain tax positions that are material to the financial statements.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

NOTE C - CASH AND INVESTMENTS

Cash and investments are stated at cost, which approximates market value. Carrying amounts at June 30, 2019 were as follows:

 Cash on hand
 \$ 500

 Cash in bank
 41,478

Total \$ 41,978

State of Tennessee law authorizes the Academy to invest in obligations of the United States of America or its agencies, nonconvertible debt securities of certain federal agencies, other obligations guaranteed as to principal and interest by the United States of America or any of its agencies, secured certificates of deposit and other evidences of deposit in state and federal banks and savings and loan associations, and the Tennessee Department of Treasury Local Government Investment Pool (LGIP). The LGIP contains investments in certificate of deposits, U.S. Treasury securities and repurchase agreements, backed by the U.S. Treasury securities. The Treasurer of the State of Tennessee administers the investment pool.

All deposits with financial institutions in excess of Federal Deposit Insurance Corporation (FDIC) limits are required to be secured by one of two methods. Excess funds can be deposited with a financial institution that participates in the State of Tennessee Bank Collateral Pool. For deposits with financial institutions that do not participate in the State of Tennessee Bank Collateral Pool, state statutes require that all deposits be collateralized with collateral whose market value is equal to 105 percent of the uninsured amount of the deposits.

At June 30, 2019 all bank balances were fully insured by the FDIC or the State of Tennessee Bank Collateral Pool.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

NOTE D - CAPITAL ASSETS

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

	Balance July 1, 2018	Additions	Retirements	Balance June 30, 2019
Capital assets not being depreciated Land Construction in process	\$ 100,000 \(\frac{0}{100,000}\)	\$ 0 101,500 101,500	\$ 0 0 0	\$ 100,000
Capital assets	700,000	101,500	Ü	201,000
<u>being depreciated</u> Buildings	4,780,011	145,896	0	4,925,907
Land improvements	38,801	33,413		72,214
Furniture	117,672	0	0	117,672
Equipment	372,101	10,869	0	382,970
	5,308,585	190,177	0	5,498,763
Accumulated depreciation				
Buildings	(308,314)	(119,922)	0	(428,237)
Land improvements	(2,733)	(2,712)		(5,445)
Furniture	(34,131)	(11,767)	0	(45,898)
Equipment	(111,390)	(44,069)	0	(155,459)
	(456,569)	(178,470)	0	(635,039)
	<u>\$ 4,952,016</u>	<u>\$ 113,207</u>	<u>\$</u> 0	\$ 5,065,223

Depreciation expense is included with education expense in the statement of activities.

Capital assets at July 1, 2018 have been restated to remove certain capital assets which fall below the School's capitalization policy. See Note L for the effects of this restatement on net position.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

NOTE E - PENSION PLANS

Teacher Legacy Pension Plan

Plan Description

The Tennessee Consolidated Retirement System (TCRS) was created by state statute under Tennessee Code Annotated Title 8, Chapters 34-37. The TCRS Board of Trustees is responsible for the proper operation and administration of all employer pension plans in the TCRS. The Tennessee Treasury Department, an agency in the legislative branch of state government, administers the plans of the TCRS. The TCRS issues a publically available financial report that can be obtained at https://treasury.tn.gov/Retirement/Boards-and-Governance/Reporting-and-Investment-Policies.

Teachers employed by Emerald Academy with membership in the TCRS before July 1, 2014 are provided with pensions through the Teacher Legacy Pension Plan, a cost sharing multiple-employer pension plan administered by the TCRS. The Teacher Legacy Pension Plan closed to new membership on June 30, 2014, but will continue providing benefits to existing members and retirees.

Beginning July 1, 2014, the Teacher Retirement Plan became effective for teachers employed by Local Education Agencies (LEAs) after June 30, 2014. The Teacher Retirement Plan is a separate cost-sharing, multiple-employer defined benefit plan.

Benefits Provided

Tennessee Code Annotated Title 8, Chapters 34-37 establishes the benefit terms and can be amended only by the Tennessee General Assembly. Members are eligible to retire with an unreduced benefit at age 60 with 5 years of service credit or after 30 years of service credit regardless of age. Benefits are determined by a formula using the member's highest five consecutive year average compensation and the member's years of service credit. Reduced benefits for early retirement are available at age 55 and vested. Members vest with five years of service credit. Service related disability benefits are provided regardless of length of service. Five years of service is required for non-service related disability eligibility. The service related and non-service related disability benefits are determined in the same manner as a service retirement benefit but are reduced 10% and include projected service credits. A variety of death benefits are available under various eligibility criteria.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Member and beneficiary annuitants are entitled to automatic cost of living adjustments (COLAs) after retirement. A COLA is granted each July for annuitants retired prior to the 2nd of July of the previous year. The COLA is based on the change in the consumer price index (CPI) during the prior calendar year, capped at 3%, and applied to the current benefit. No COLA is granted if the change in the CPI is less than .5%. A 1% COLA is granted if the CPI change is between .5% and 1%. A member who leaves employment may withdraw their employee contributions, plus any accumulated interest.

Contributions

Contributions for teachers are established in the statutes governing the TCRS and may only be changed by the Tennessee General Assembly. Employees contribute 5% of salary. The Local Education Agencies (LEAs) makes employer contributions at the rate set by the TCRS Board of Trustees as determined by an actuarial valuation. By law, employer contributions are required to be paid. The TCRS may intercept the state shared taxes of the sponsoring governmental entity of the LEA if required employer contributions are not remitted. Employer contributions by the Academy for the year ended June 30, 2019 to the Teachers Legacy Pension Plan were \$95,310 which is 10.46% of covered payroll. The employer rate, when combined with member contributions, is expected to finance the costs of benefits earned by members during the year, the cost of administration, as well as an amortized portion of any unfunded liability.

Pension Assets(Liabilities) and Pension Income(Expense)

At June 30, 2019 the Academy reported an asset of \$81,616 for its proportionate share of the net pension asset. The net pension asset was measured as of June 30, 2018, and the total pension asset used to calculate the net pension asset was determined by an actuarial valuation as of that date. The Academy's proportion of the net pension asset was based on the Academy's share of contributions to the pension plan relative to the contributions of all participating LEAs. At the measurement date of June 30, 2018 the Academy's proportion was 0.023194%. The proportion measured as of June 30, 2017 was 0.016824%.

Pension Expense

For the year ended June 30, 2019, the Academy recognized pension expense of \$6,594.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Deferred Outflows of Resources and Deferred Inflows of Resources

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

	Deferred Outflows of Resources		Deferred Inflows of Resources	
Differences between expected and actual experience	\$	16,497	\$	110,106
Changes in assumptions		48,203		0
Net difference between projected and actual earnings on				
pension plan investments		0		17,763
Changes in proportion of net pension liability(asset)		90,409		0
Contributions subsequent to the measurement date				
of June 30, 2018		95,310	not	<u>applicable</u>
	<u>\$</u>	250,419	\$	127,869

The Academy's employer contributions of \$95,310, reported as pension related deferred outflows of resources, subsequent to the measurement date, will be recognized as an increase in net pension liability(asset) in the year ended June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year Ending June 30,	
2020	\$ 46,781
2021	3,892
2022	(20,232)
2023	(3,202)
2024	Ó
Thereafter	0

In the table shown above, positive amounts will increase pension expense while negative amounts will decrease pension expense.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Actuarial Assumptions

The total pension liability in the June 30, 2018 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation 2.5%

Salary increases Graded salary ranges from 8.72% to 3.44% based

on age, including inflation, averaging 4.00%

Investment rate of return 7.25%, net of pension plan investment expenses,

including inflation

Cost-of-Living adjustment 2.25%

Mortality rates were based on actual experience including an adjustment for some anticipated improvement.

The actuarial assumptions used in the June 30, 2018 actuarial valuation were based on the results of an actuarial experience study performed for the period July 1, 2012 through June 30, 2016. The demographic assumptions were adjusted to more closely reflect actual and expected future experience.

The long-term expected rate of return on pension plan investments was established by the TCRS Board of Trustees in conjunction with the June 30, 2016 actuarial experience study. A blend of future capital market projections and historical market returns was used in a building-block method in which the best-estimate of expected future real rates of return (expected returns, net of pension plan investment expense and inflation.) is developed for each major asset class. These best-estimates are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation of 2.50%.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

The best-estimates of geometric real rates of return and the TCRS investment policy target asset allocation for each major asset class are summarized in the following table:

Asset Class	Long-Term Expected Real Rate of Return	Target Allocation
U.S. Equity	5.69%	31%
Developed market international equity	5.29%	14%
Emerging market international equity	6.36%	4%
Private equity and strategic lending	5.79%	20%
U.S. fixed income	2.01%	20%
Real estate	4.32%	10%
Short-term securities	0.00%	1%
		1000/
		<u>100%</u>

The long-term expected rate of return on pension plan investments was established by the TCRS Board of Trustees as 7.25% based on a blending of the factors described above.

Discount Rate

The discount rate used to measure the total pension liability was 7.25%. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current rate and that contributions from all the LEAs will be made at the actuarially determined contribution rate pursuant to an actuarial valuation in accordance with the funding policy of the TCRS Board of Trustees and as required to be paid by state statute. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make projected future benefit payments of current active and inactive members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Sensitivity of the Proportionate Share of Net Pension Liability (Asset) to Changes in the Discount Rate

The following presents the Academy's proportionate share of the net pension liability (asset) calculated using the discount rate of 7.25%, as well as what the Academy's proportionate share of the net pension liability (asset) would be if it were calculated using a discount rate that is 1-percentage-point lower (6.25%) or 1-percentage-point higher (8.25%) than the current rate:

	Current					
	1% Decrease 6.25%		Discount Rate 7.25%		1% Increase 8.25%	
Proportionate share of the net						
pension liability (asset)	\$	629,148	\$	(81,616)	\$ (669,674)	

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position in available in a separately issued TCRS financial report.

Payable to the Pension Plan

At June 30, 2019, the Academy reported a payable of \$6,801 for the outstanding amount of contributions to the pension plan required at the year ended June 30, 2019.

Teacher Retirement Plan

Plan Description

The Tennessee Consolidated Retirement System (TCRS) was created by state statute under Tennessee Code Annotated Title 8, Chapters 34-37. The TCRS Board of Trustees is responsible for the proper operation and administration of all employer pension plans in the TCRS. The Tennessee Treasury Department, an agency in the legislative branch of state government, administers the plans of the TCRS. The TCRS issues a publically available financial report that can be obtained at https://treasury.tn.gov/Retirement/Boards-and-Governance/Reporting-and-Investment-Policies.

Teachers employed by Emerald Academy with membership in the TCRS before July 1, 2014 are provided with pensions through the Teacher Legacy Pension Plan, a cost sharing multiple-employer pension plan administered by the TCRS. The Teacher Legacy Pension Plan closed to new membership on June 30, 2014, but will continue providing benefits to existing members and retirees.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Beginning July 1, 2014, the Teacher Retirement Plan became effective for teachers employed by Local Education Agencies (LEAs) after June 30, 2014. The Teacher Retirement Plan is a separate cost-sharing, multiple-employer defined benefit plan.

Benefits Provided

Tennessee Code Annotated Title 8, Chapters 34-37 establishes the benefit terms and can be amended only by the Tennessee General Assembly. Members of the Teacher Retirement Plan are eligible to retire with an unreduced benefit at age 65 with 5 years of service credit or pursuant to the rule of 90 in which the member's age and service credit total 90. Benefits are determined by a formula using the member's highest five consecutive year average compensation and the member's years of service credit. A reduced early retirement benefit is available at age 60 and vested or pursuant to the rule of 80. Members are vested with five years of service credit. Service related disability benefits are provided regardless of length of service. Five years of service is required for non-service related disability eligibility. The service related and non-service related disability benefits are determined in the same manner as a service retirement benefit but are reduced 10% and include projected service credits. A variety of death benefits are available under various eligibility criteria. Member and beneficiary annuitants are entitled to automatic cost of living adjustments (COLAs) after retirement. A COLA is granted each July for annuitants retired prior to the 2nd of July of the previous year. The COLA is based on the change in the consumer price index (CPI) during the prior calendar year, capped at 3%, and applied to the current benefit. No COLA is granted if the change in the CPI is less than .5%. A 1% COLA is granted is the CPI change is between .5% and 1%. A member who leaves employment may withdraw their employee contributions, plus any accumulated interest. Under the Teacher Retirement Plan, benefit terms and conditions, including COLAs, can be adjusted on a prospective basis. Moreover, there are defined cost controls and unfunded liability controls that provide for the adjustment of benefit terms and conditions on an automatic basis.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Contributions

Contributions for teachers are established in the statutes governing the TCRS and may only be changed by the Tennessee General Assembly or by automatic cost controls set out in law. Teachers contribute 5% of salary. The Local Education Agencies (LEAs) make employer contributions at the rate set by the Board of Trustees as determined by an actuarial valuation. Per the statutory provisions governing the TCRS, the employer contribution rate cannot be less than 4%, except for in years when the maximum funded level, as established by the TCRS Board of Trustees, is reached. By law, employer contributions for the Teacher Retirement Plan are required to be paid. The TCRS may intercept the state shared taxes of the sponsoring governmental entity of the LEA if the required employer contributions are not remitted. Employer contributions for the year ended June 30, 2019 to the Teacher Retirement Plan were \$24,488, which is 1.94% of covered payroll. The employer rate, when combined with member contributions, is expected to finance the costs of benefits earned by members during the year, the cost of administration, as well as an amortized portion of any unfunded liability.

Pension Assets(Liabilities) and Pension Income(Expense)

At June 30, 2019, the Academy reported an asset of \$49,568 for its proportionate share of the net pension asset. The net pension asset was measured as of June 30, 2018, and the total pension asset used to calculate the net pension asset was determined by an actuarial value as of that date. The Academy's proportion of the net pension asset was based on the Academy's share of contributions to the pension plan relative to the contributions of all participating LEAs. At the measurement date of June 30, 2018 the Academy's proportion was .109295%. The proportion measured as of June 30, 2017 was .104536%.

Pension Expense

For the year ended June 30, 2019, the Academy recognized pension expense of \$16,247.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Deferred Outflows of Resources and Deferred Inflows of Resources

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

	Deferred Outflows of Resources		Deferred Inflows of Resources	
Differences between expected and actual experience	\$	2,807	\$	1,974
Net difference between projected and actual earnings on				
pension plan investments		0		2,800
Changes in assumptions		2,338		0
Changes in proportion of net pension liability(asset)		0		7,896
Contributions subsequent to the measurement date				
of June 30, 2018		24,488	not a	pplicable
	<u>\$</u>	29,633	\$	12,670

The Academy's employer contributions of \$24,488, reported as pension related deferred outflows of resources subsequent to the measurement date, will be recognized as an increase of net pension liability(asset) in the year ended June 30, 2020. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year Ending June 30,	
2020	\$ (1,044)
2021	(1,133)
2022	(1,532)
2023	(801)
2024	(428)
Thereafter	(2,586)

In the table shown above, positive amounts will increase pension expense while negative amounts will decrease pension expense.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Actuarial Assumptions

The total pension liability in the June 30, 2018 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Inflation 2.5%

Salary increases Graded salary ranges from 8.72% to 3.44% based

on age, including inflation, averaging 4.00%

Investment rate of return 7.25%, net of pension plan investment expenses,

including inflation

Cost-of-Living adjustment 2.25%

Mortality rates were based on actual experience including an adjustment for some anticipated improvement.

The actuarial assumptions used in the June 30, 2018 actuarial valuation were based on the results of an actuarial experience study performed for the period July 1, 2012 through June 30, 2016. The demographic assumptions were adjusted to more closely reflect actual and expected future experience.

The long-term expected rate of return on pension plan investments was established by the TCRS Board of Trustees in conjunction with the June 30, 2016 actuarial experience study. A blend of future capital market projections and historical market returns was used in a building-block method in which a best-estimate of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) is developed for each major asset class. These best estimates are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding expected inflation of 2.5%.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

The best-estimates of geometric real rates of return and TCRS investment policy target asset allocation for each major asset class are summarized in the following table:

Asset Class	Long-Term Expected Real Rate of Return	Target Allocation
U.S. Equity	5.69%	31%
Developed market international equity	5.29%	14%
Emerging market international equity	6.36%	4%
Private equity and strategic lending	5.79%	20%
U.S. fixed income	2.01%	20%
Real estate	4.32%	10%
Short-term securities	0.00%	1%
		<u>100%</u>

The long-term expected rate of return on pension plan investments was established by the TCRS Board of Trustees as 7.25% based on a blending of the three factors described above.

Discount Rate

The discount rate used to measure the total pension liability was 7.25%. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current rate and that contributions from all the LEAs will be made at the actuarially determined contribution rate pursuant to an actuarial valuation in accordance with the funding policy of the TCRS Board of Trustees and as required to be paid by state statute. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make projected future benefit payments of current active and inactive members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Sensitivity of the Proportionate Share of Net Pension Liability(Asset) to Changes in the Discount Rate

The following presents the Academy's proportionate share of the net pension liability(asset) calculated using the discount rate of 7.25%, as well as what the Academy's proportionate share of the net pension liability(asset) would be if it were calculated using a discount rate that is 1-percentage-point lower (6.25%) or 1-percentage-point higher (8.25%) than the current rate:

	Current					
	1% Decrease 6.25%		Discount Rate 7.25%		1% Increase 8.25%	
Proportionate share of the net						
pension liability(asset)	\$	7,663	\$	(49,568)	\$	(91,735)

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position in available in a separately issued TCRS financial report.

Payable to the Pension Plan

At June 30, 2019, the Academy reported a payable of \$3,856 for the outstanding amount of contributions to the pension plan required at the year ended June 30, 2019.

NOTE F - RISK MANAGEMENT

The Academy is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters. The Academy purchases commercial insurance for theft or property damage, general liability claims and workers' compensation benefits. Settled claims resulting from those risks have not exceeded insurance coverage in any of the past three fiscal years.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

NOTE G - TCRS STABILIZATION RESERVE TRUST

Legal Provisions

The Academy is a member of the Tennessee Consolidated Retirement System (TCRS) Stabilization Reserve Trust. The Academy has placed funds into the irrevocable trust as authorized by statute under *Tennessee Code Annotated (TCA)*, Title 8, Chapters 34-37. The TCRS Board of Trustees is responsible for the proper operation and administration of the trust. Funds of trust members are held and invested in the name of the trust for the benefit of each member. Each member's funds are restricted for the payment of retirement benefits of that member's employees. Trust funds are not subject to the claims of general creditors of the Academy.

The trust is authorized to make investments as directed by the TCRS Board of Trustees. The Academy may not impose any restrictions on investments placed by the trust on their behalf.

Investment Balances

Assets of the TCRS, including the Stabilization Reserve Trust, are invested in the Tennessee Retiree Group Trust (TRGT). The TRGT is not registered with the Securities and Exchange Commission (SEC) as an investment company. The State of Tennessee has not obtained a credit quality rating for the TRGT from a nationally recognized credit ratings agency. The fair value of investment positions in the TRGT is determined daily based on the fair value of the pool's underlying portfolio. Furthermore, TCRS had not obtained or provided any legally binding guarantees to support the value of participant shares during the fiscal year. There are no restrictions on the sale or redemption of shares.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Investments are reported at fair value or amortized which approximates fair value. Securities traded on a national exchange are valued at the last reported sales price. Investment income consists of realized and unrealized appreciation (depreciation) in the fair Securities and securities transactions are recorded in the financial statements on a trade-date basis. The fair value of assets of the TRGT held at June 30, 2019, represents the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants. Assets held are categorized for fair value measurement within the fair value hierarchy established by GAAP. The hierarchy is based on the valuation inputs used to measure the fair value of the asset and give the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

- Level 1 Unadjusted quoted prices for identical assets or liabilities in active markets that can be accessed at the measurement date.
- Level 2 Quoted prices for similar assets or liabilities in active markets; quoted prices for identical or similar assets or liabilities in markets that are not active; assets or liabilities that have a bid-ask spread price in an inactive dealer market, brokered market and principal-to-principal market; and Level 1 assets or liabilities that are adjusted.
- Level 3 Valuations derived from valuation techniques in which significant inputs are unobservable

Investments using the Net Asset Value (NAV) per share have no readily determinable fair value and have been determined using amortized cost which approximates fair value.

Where inputs used in the measurement of fair value fall into different levels of the hierarchy, fair value of the instrument in its entirety is categorized based on the lowest level input that is significant to the valuation. This assessment requires professional judgement and as such management of the TRGT developed a fair value committee that worked in conjunction with the plan's custodian and investment professionals to make these valuations. All assets held were valued individually and aggregated into classes so to be represented in the table below.

Short-term securities generally include investments in money market-type securities reported at cost plus accrued interest.

Equity and equity derivative securities classified in Level 1 are valued using last reported sales prices quoted in active markets that can be accessed at the measurement date. Equity and equity derivative securities classified in Level 2 are securities whose values are derived daily from associated traded securities. Equity securities classified in Level 3 are valued with last trade data having limited trading volume.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

US Treasury Bills, Bonds, Notes and Futures classified in Level 1 are valued using last reported sales prices quoted in active markets that can be accessed at the measurement date. Debt and debt derivative securities classified in Level 2 are valued using a bid-ask spread price from multiple independent brokers, dealers, or market principals, which are known to be actively involved in the market. Level 3 debt securities are valued using proprietary information, a single pricing source, or other unobservable inputs related to similar assets or liabilities.

Real estate investments classified in Level 3 are valued using the last valuations provided by external investment advisors or independent external appraisers. Generally, all direct real estate investments are appraised by a qualified independent appraiser(s) with the professional designation of Member of the Appraisal Institute, or its equivalent, every three (3) years beginning from the acquisition date of the property. The appraisals are performed using generally accepted valuation approaches applicable to the property type.

Investments in private mutual funds, traditional private equity funds, strategic lending funds and real estate funds that report using GAAP, the fair value, as well as the unfunded commitments, were determined using the prior quarter's NAV, as reported by the fund managers, plus the current cash flows. These assets were then categorized by investment strategy. In instances where the fund investment reported using non-GAAP standards, the investment was valued using the same method, but was classified in Level 3.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

At June 30, 2019, the Academy had the following investments held by the trust on its behalf.

Asset Class	Percentage Target Allocations	Stabilizatior Trust Allocation			
U.S. Equity	31%	\$ 8,521			
Developed market international equity	14%	3,848			
Emerging market international equity	4%	1,099			
Private equity and strategic lending	20%	5,497			
U.S. fixed income	20%	5,497			
Real estate	10%	2,749			
Short-term securities	1%	275			
	<u>100</u> %	<u>\$ 27,487</u>			

NOTE H - DEFINED CONTRIBUTION RETIREMENT PLANS

The Academy, through an agreement with the Knox County Retirement and Pension Board, participates in a defined contribution plan established by Knox County, Tennessee. The plan is administered by Knox County Retirement and Pension Board and covers classified employees of the Academy. The Asset Accumulation Plan incorporates both a 401(a) plan and a 457(b) plan. Participation in the 401(a) plan begins on the first day of employment and all eligible employees not participating in another plan are required to participate. The plan requires all participants to contribute a minimum of 6% of compensation and the employer matching contribution is 6%. Participants are 100% vested in the employer contributions after completing five years of credited services. The voluntary 457(b) plan incorporates voluntary pre-tax contributions by the participant with an employer match based on length of service. The employer matching contributions for the 457 plan are deposited into the participants 401(a) account. Three additional outside vendors, Knoxville Teachers Credit Union, Security Benefit and Nationwide, have been added to the plan to allow for investment alternatives. Each vendor prepares separate financial reports and is not included in the Knox County Voluntary 457 Plan Trust. The Academy's employer contributions to the Asset Accumulation Plan were \$17,431 for the year ended June 30, 2019.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Teachers who participate in the Teacher Retirement Plan described in Note E, are also covered by a separate defined contribution 401(k) plan administered by the State of Tennessee. Employees are not required to contribute to the plan, employers are required to contribute 5% of employee compensation. Participants are immediately invested in the plan. The Academy's employer contributions to the state administered 401(k) plan were \$69,321 for the year ended June 30, 2019.

NOTE I - DEBT

Short-term debt at June 30, 2019 consisted of the following:

Note payable to Emerald Youth Foundation, due on demand; if no demand is made, principal and unpaid interest due December 31, 2020, interest accrues monthly at 1% per annum, This note is unsecured.

\$ 300,000

Long-term debt at June 30, 2019 consisted of the following:

Health, Educational and Housing Facility Board of the County of Knox, Educational Revenue Bonds, Series 2015, interest only of 0.01% due monthly through April 2020. Thereafter, principal and interest of 3.5% due in monthly installments of varying amounts through April 2055, restricted for capital improvements, secured by a building

\$ 3,600,000

Health, Educational and Housing Facility Board of the County of Knox, Educational Revenue Bonds, Series 2015B, interest only of 0.01% due monthly through April 2020. Thereafter, principal and interest of 3.45% due in monthly installments of varying amounts through April 2055, restricted for capital improvements, secured by a building

500,000

\$ 4,100,000

The Academy had two lines of credit at a local bank in the amounts of \$300,000 each. No line of credit had an outstanding balance at June 30, 2019.

NOTES TO THE FINANCIAL STATEMENTS (continued)

June 30, 2019

Short-term debt is due within one year. Maturities of long-term debt as of June 30, 2019 are as follows:

Year Ending June 30,	_ Principal_	Interest	Totals
<u> </u>		<u> </u>	
2020	\$ 10,250	\$ 23,917	\$ 34,167
2021	63,019	140,559	203,578
2022	65,296	138,366	203,662
2023	67,574	136,093	203,667
2024	69,852	133,742	203,594
2025	72,130	131,313	203,442
2026	74,787	128,805	203,592
2027	77,824	126,192	204,016
2028	80,102	123,487	203,589
2029	83,519	120,697	204,216
2030	86,176	117,796	203,972
2031	89,213	114,791	204,004
2032	92,630	111,687	204,316
2033	95,287	108,471	203,758
2034	98,324	105,151	203,475
2035	102,120	101,733	203,853
2036	106,296	98,170	204,466
2037	108,954	94,483	203,437
2038	113,509	90,685	204,194
2039	117,685	86,730	204,415
2040	120,347	82,650	202,997
2041	124,898	78,459	203,357
2042	129,454	74,111	203,564
2043	134,009	69,605	203,614
2044	138,565	64,943	203,507
2045	143,120	60,123	203,243
2046	148,056	55,146	203,201
2047	154,509	49,503	204,012
2048	159,065	44,609	203,674
2049	165,139	38,712	203,851
2050	170,454	33,326	203,780

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

Year Ending June 30,	<u>Principal</u>	Interest	Totals
2051	176,528	27,399	203,927
2052	182,222	21,257	203,479
2053	189,056	14,911	203,967
2054	195,889	8,330	204,219
2055	94,144	1,939	96,083
Totals	<u>\$ 4,100,000</u>	\$ 2,957,889	<u>\$ 7,057,889</u>

Changes in short-term and long-term debt for the year ended June 30, 2019 were as follows:

	Balance 7/1/18	Proceeds	Payments	Balance 6/30/19	Amounts Due Within One Year
Short-term					
Lines of credit	\$ 454,252	\$ 2,152,494	\$ 2,606,746	\$ 0	\$ 0
Emerald Youth Foundation note payable Long-term	300,000	0	0	300,000	300,000
Educational Revenue Bonds, Series 2015 Educational Revenue	3,600,000	0	0	3,600,000	0
Bonds, Series 2015 2015B	500,000	0	0	500,000	0
	<u>\$4,854,252</u>	<u>\$ 2,152,494</u>	\$ 2,606,746	\$ 4,400,000	\$ 300,000

Interest costs incurred during the year ended June 30, 2019 were \$31,007, none of which was capitalized.

NOTES TO THE FINANCIAL STATEMENTS

(continued)

June 30, 2019

NOTE J - RESTRICTED NET POSITION

Amounts shown as restricted net position in the statement of net position are as follows:

Time restrictions	\$	51,625
Restricted for capital projects		7,294
Restricted for sports		44,069
Pension trust contributions		26,099
Restricted for pension	_	131,184

\$ 260,271

NOTE K - RELATED PARTY TRANSACTIONS

During the year ended June 30, 2019, the Academy paid \$144,000 to Emerald Youth Foundation for administrative assistance. Two of the Academy's board members are also on the board of Emerald Youth Foundation.

NOTE L - RESTATEMENT

Net position at June 30, 2018 has been restated to ensure all recorded capital assets comply with the Academy's capitalization policy. The effect of the restatement is as follows:

Balance at June 30, 2018	\$ 619,105
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Removal of capital assets which do not meet capitalization policy

<u>(96,416</u>)

Balance at June 30, 2018, as restated \$ 522,689

This restatement decreased the change in net position for the year ended June 30, 2018 by \$48,611.

NOTE M - COMMITMENTS

The Academy entered into a contract totaling \$147,500 related to the replacement of the roof on the Academy's building; \$101,500 has been expended as of June 30, 2019.



PROPORTIONATE SHARE OF THE NET PENSION LIABILITY (ASSET)

June 30, 2019

Teacher Legacy Pension Plan

	Measurement date at June 30,								
		2018		2017		2016	2015		2014
Proportion of the net pension liability (asset)	\$	(81,616)	\$	(5,504)	\$	75,439	\$ 971	\$	0
Proportionate share of the net pension liability (asset)		0.02%		0.02%		0.01%	0.00%		0.00%
Covered employee payroll	\$	812,160	\$	594,706	\$	435,750	\$ 88,697	\$	0
Proportionate share of the net pension liability (asset) as a percentage of covered employee payroll		(10.05)%		(.93)%		17.31%	1.09%		0.00%
Plan fiduciary net position as a percentage of the total pension liability		101.49%		100.14%		97.14%	99.81%		100.08%

PROPORTIONATE SHARE OF THE NET PENSION LIABILITY (ASSET)

(continued)

June 30, 2019

Teacher Retirement Plan

	Measurement date at June 30,								
		2018		2017		2016	 2015		2014
Proportion of the net pension liability (asset)	\$	(49,568)	\$	(27,580)	\$	0	\$ 0	\$	0
Proportionate share of the net pension liability (asset)		0.11%		0.10%		0.00%	0.00%		0.00%
Covered employee payroll	\$	969,400	\$	640,267	\$	0	\$ 0	\$	0
Proportionate share of the net pension liability (asset) as a percentage of covered employee payroll		(5.11)%		(4.31)%		0.00%	0.00%		0.00%
Plan fiduciary net position as a percentage of the total pension liability		126.97%		126.81%		0.00%	0.00%		0.00%

GASB 68 requires a 10-year schedule for this data to be presented starting with the implementation of GASB 68. The information in this schedule is not required to be presented retroactively prior to the implementation date. Please refer to previously supplied data from the TCRS GASB 68 website for prior year's data, if needed.

PENSION CONTRIBUTIONS

June 30, 2019

Teacher Legacy Retirement Plan						
	 2019	_	2018	 2017	 2016	 2015
Actuarially determined contributions Contributions in relation to the	\$ 95,310	\$	73,620	\$ 53,761	\$ 39,392	\$ 12,910
actuarially determined contributions	 (95,310)		(73,620)	 (53,761)	 (39,392)	 (12,910)
Contributions deficiency(excess)	\$ 0	\$	0	\$ 0	\$ 0	\$ 0
Covered employee payroll Contributions as a percentage of	\$ 911,184	\$	810,794	\$ 594,706	\$ 435,750	\$ 142,810
covered employee payroll	10.46%		9.08%	9.04%	9.04%	9.04%
Teacher Retirement Plan						
	2019		2018	 2017	2016	 2015
Contractually required contributions Contributions in relation to the	\$ 2019 24,488	\$	2018	\$ 2017 27,444	\$ <u>2016</u> 5,505	\$ 2015
Contractually required contributions	\$ 	\$		\$ 	\$ 	\$
Contractually required contributions Contributions in relation to the contractually required	\$ 24,488	\$	38,481	\$ 27,444	\$ 5,505	\$ 0
Contractually required contributions Contributions in relation to the contractually required contributions	\$ 24,488	\$	38,481	\$ 27,444	\$ 5,505	 0

PENSION CONTRIBUTIONS

(continued)

June 30, 2019

GASB 68 requires a 10-year schedule for this data to be presented starting with the implementation of GASB 68. The information in this schedule is not required to be presented retroactively prior to the implementation date. Please refer to previously supplied data from the TCRS GASB 68 website for prior year's data, if needed.

During the year ended June 30, 2019, the Academy placed the actuarially determined contribution rate (1.94%) of covered payroll into the pension plan and placed 2.06% of covered payroll into the Pension Stabilization Reserve Trust.

Changes in assumptions

In 2017, the following assumptions were changed: decreased inflation rate from 3% to 2.50%; decreased the investment rate of return from 7.50% to 7.25%; decreased the cost-of-living adjustment from 2.50% to 2.25%; decreased salary growth graded ranges from an average of 4.25% to an average of 4%; and modified mortality assumptions.



BOARD OF DIRECTORS

June 30, 2019

Mr. Steve Diggs, President
Mr. Alvin Nance, Treasurer
Mr. Randall Gibson, Secretary
Mr. Edwin Hedgepeth
Janene Nordin
Dr. Kala Gray
Mr. Timothy McLemore
Mr. Sanford Miller

LONG-TERM DEBT REQUIREMENTS

Year Ended June 30, 2019

	Principal	Interest	Totals		
Educational Revenue Bonds,					
Series 2015					
Year ending June 30,					
2020	\$ 9,000	\$ 21,000	\$ 30,000		
2021	55,333	123,418	178,751		
2022	57,333	121,492	178,825		
2023	59,333	119,496	178,829		
2024	61,333	117,432	178,765		
2025	63,333	115,299	178,632		
2026	65,667	113,097	178,764		
2027	68,333	110,803	179,136		
2028	70,333	108,428	178,761		
2029	73,333	105,978	179,311		
2030	75,667	103,431	179,098		
2031	78,333	100,792	179,125		
2032	81,333	98,066	179,399		
2033	83,667	95,243	178,910		
2034	86,333	92,328	178,661		
2035	89,667	89,326	178,993		
2036	93,333	86,198	179,531		
2037	95,667	82,961	178,628		
2038	99,667	79,626	179,293		
2039	103,333	76,153	179,486		
2040	105,671	72,571	178,242		
2041	109,667	68,891	178,558		
2042	113,667	65,073	178,740		
2043	117,667	61,117	178,784		
2044	121,667	57,023	178,690		

LONG-TERM DEBT REQUIREMENTS

(continued)

Year Ended June 30, 2019

	Pri	ncipal	<u>Ir</u>	nterest		Totals
Educational Revenue Bonds, Series 2015 (continued)						
Year ending June 30,						
2045		125,667		52,791		178,458
2046		130,000		48,421		178,421
2047		135,667		43,884		179,551
2048		139,667		39,169		178,836
2049		145,000		34,310		179,310
2050		149,667		29,262		178,929
2051		155,000		24,058		179,058
2052		160,000		18,664		178,664
2053		166,000		13,093		179,093
2054		172,000		7,314		179,314
2055	 	82,662		1,702		84,364
	\$ 3	,600,000	\$ 2	,597,910	\$	6,197,910
Educational Revenue Bonds, Series 2015B						
Year ending June 30,						
2020	\$	1,250	\$	2,917	\$	4,167
2021	·	7,685	•	17,141		24,826
2022		7,963		16,874		24,837
2023		8,241		16,597		24,838
2024		8,519		16,310		24,829
2025		8,796		16,014		24,810

LONG-TERM DEBT REQUIREMENTS

(continued)

Year Ended June 30, 2019

	Principal	Interest	Totals
Educational Revenue Bonds,			
Series 2015B (continued)			
Year ending June 30,			
2026	9,120	15,708	24,828
2027	9,491	15,389	24,880
2028	9,769	15,059	24,828
2029	10,185	14,719	24,904
2030	10,509	14,365	24,874
2031	10,880	13,999	24,879
2032	11,297	13,620	24,917
2033	11,621	13,228	24,849
2034	11,991	12,823	24,814
2035	12,454	12,406	24,860
2036	12,963	11,972	24,935
2037	13,287	11,522	24,809
2038	13,843	11,059	24,902
2039	14,352	10,577	24,929
2040	14,676	10,079	24,755
2041	15,232	9,568	24,800
2042	15,787	9,038	24,825
2043	16,343	8,488	24,831
2044	16,899	7,920	24,819
2045	17,454	7,332	24,786
2046	18,056	6,725	24,781
2047	18,843	5,619	24,462
2048	19,389	5,440	24,829
2049	20,139	4,402	24,541
2050	20,787	4,064	24,851
2051	21,528	3,341	24,869
2052	22,222	2,592	24,814

LONG-TERM DEBT REQUIREMENTS

(continued)

Year Ended June 30, 2019

	Principal	Interest	Totals
Educational Revenue Bonds, Series 2015B (continued)			
Year ending June 30,			
2053	23,056	1,818	24,874
2054	23,889	1,016	24,905
2055	11,484	237	11,721
	\$ 500,000	\$ 359,978	\$ 859,978

EXPENDITURES OF FEDERAL AWARDS

Year Ended June 30, 2019

Federal Grantor/ Pass-Through Grantor	CFDA Number	Contract Number	Ex	Expenditures	
Federal Awards					
U.S. Department of Education/ Tennessee Department of Education	84.010	N/A	\$	412,185	
U.S. Department of Education/ Tennessee Department of Education	84.027	N/A		51,948	
			\$	464,133	

NOTE 1 - BASIS OF PRESENTATION

This schedule summarizes the expenditures of Emerald Academy under programs of the federal government for the year ended June 30, 2019. The schedule is presented using the accrual basis of accounting.

NOTE 2 - INDIRECT COST RATE

Emerald Academy has elected not to use the 10 percent de minimis indirect cost rate allowed under the Uniform Guidance.

NOTE 3 - OUTSTANDING LOAN BALANCES

Emerald Academy had no federal loans outstanding at June 30, 2019.

INTERNAL CONTROL

<u>AND</u>

COMPLIANCE



INDEPENDENT ACCOUNTANTS' 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

Board of Directors Emerald Charter Schools Knoxville, Tennessee

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 of America, the financial statements of the governmental activities and each major fund of Emerald Academy, as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise Emerald Academy's basic financial statements, and have issued our report thereon dated November 21, 2019.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Emerald Academy's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing an opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Emerald Academy's internal control. Accordingly, we do not express an opinion on the effectiveness of Emerald Academy'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 combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of Emerald Academy'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 Emerald Academy's financial statements are free of 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 Emerald Academy's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Emerald Academy's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Mitchell Emert + Hill

November 21, 2019

PRIOR YEAR FINDINGS AND QUESTIONED COSTS

Year Ended June 30, 2019

PRIOR YEAR FINDINGS AND QUESTIONED COSTS

There were no findings reported in the prior year.