Financial Report June 30, 2018



Board of Trustees Miami University 107 Roudebush Hall Oxford, Ohio 45056

We have reviewed the *Independent Auditor's Report* of Miami University, Butler County, prepared by RSM US LLP, for the audit period July 1, 2017 through June 30, 2018. 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. Miami University is responsible for compliance with these laws and regulations.

Dave Yost Auditor of State

November 5, 2018



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RSM US LLP

Independent Auditor's Report

President and Board of Trustees of Miami University

Report on the Financial Statements

We have audited the accompanying financial statements of the business-type activities and the discretely presented component unit of Miami University (the University), a component unit of the State of Ohio, as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the University'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 opinions 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 audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

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

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

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the business-type activities and the discretely presented component unit of Miami University as of June 30, 2018, and the respective changes in financial position and, where applicable, cash flows thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As disclosed in Note 9 to the financial statements, the University restated net position at June 30, 2017 by \$108,413,278. The restatement was required to be made for the implementation of GASB Statement No. 75 – Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions. 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 management's discussion and analysis on pages 3-9 as well as required supplementary data for certain retirement plan data and other postemployment benefits (OPEB) data on pages 44-47 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 Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the University's basic financial statements. The accompanying Schedule of Expenditures of Federal Awards, as required by Title 2 U.S. Code of Federal Regulations (CFR) Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards is presented for purposes of additional analysis and is not a required part of the basic financial statements.

The Schedule of Expenditures of Federal Awards is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Expenditures of Federal Awards is fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 15, 2018, on our consideration of the University'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 University'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 University's internal control over financial reporting and compliance.

RSM US LLP

Cleveland, Ohio October 15, 2018

Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Introduction

The following discussion and analysis provides an overview of the financial position and activities of Miami University for the year ended June 30, 2018. This discussion should be read in conjunction with the accompanying financial statements and footnotes.

The University's annual report consists of this Management's Discussion and Analysis, the Statements of Net Position, the Statements of Revenues, Expenses, and Changes in Net Position, the Statements of Cash Flows, and the Notes to the Financial Statements. The financial statements of the University have been prepared on the accrual basis of accounting, whereby revenues are recognized when earned and expenses are recorded when the related liability has been incurred. The financial activity of the Miami University Foundation, a component unit of the University, is included through a discrete presentation as part of the University's financial statements.

The financial statements, footnotes, and this discussion have been prepared by and are the responsibility of University management.

Financial Highlights

The University reported favorable year-end results for the ninth consecutive year. Enrollment gains, a modest tuition increase and a continued focus on controlling operating costs have been important contributing factors to these successful results.

Overall the University's financial position improved at June 30, 2018. Total assets rose 3.5 percent from \$2.24 to \$2.32 billion. Liabilities decreased \$48.0 million and totaled \$1.19 billion. Significant financial events during fiscal year 2018 were:

- The University's fall 2017 cohort, at a confirmed size of 3,828 first-year resident undergraduate students, was the second enrolled cohort under the Miami Tuition Promise program. Each year of their enrollment, the incoming cohort of first-year first-time undergraduate resident students at the Oxford campus will have a guaranteed tuition amount due each year of their full-time enrollment for the four years of the guarantee. Total undergraduate enrollment rose 0.5 percent to 21,763 students for fall 2017 compared to 21,664 total undergraduate students in the fall 2016 class. Graduate enrollment for fall 2017 decreased by 5.2 percent to a total of 2,519 compared to 2,658 graduate students in the fall 2016 class.
- The University's commitment to increase selectivity, diversity, and maintain quality with strong academic credentials in enrollment goals was evidenced by a confirmed ACT average in excess of 28.0 and a confirmed GPA average in excess of 3.76 for the fall 2017 class. The profile of the incoming class for fall 2017 consisted of 42.7 percent non-resident, and 16.9 percent students of color. The fall 2017 categories of transfer students and relocation students decreased by 40 students or 16.1 percent and 44 students or 14.7 percent, respectively. The Hamilton campus incoming class size decreased by 15 students from fall 2016 to fall 2017, and the Middletown campus increased from 324 students to 334 first time incoming students for the fall 2017 class.

Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Financial Highlights (Continued)

- The investment portfolios experienced positive results during the fiscal year, though at lower levels than the previous year. Operational investments posted a positive return of 3.0 percent, down from the previous year's return of 4.5 percent. While rising interest rates boosted yields on operating cash balances, it presented a challenge for the short-intermediate term bond exposures. The pooled investment fund, which includes the University and Foundation endowments, experienced an estimated gain of 6.0 percent, down from the 11.8 percent realized in the previous year. Global capital markets showed remarkable strength during the first half of the fiscal year, aided by federal tax law changes and the expectation for strong corporate earnings that would drive improved economic growth. The current economic cycle in the United States has completed its ninth year of expansion, the second longest on record. Plenty of threats persist, including continued interest rate increases by the U.S. Federal Reserve and concerns over tariffs and trade wars, all of which contributed to flat capital markets in the second half of the fiscal year and increased volatility after an extended period of extremely low levels.
- For fiscal year 2018, the University increased salaries by 3.0 percent. General fund salary and benefit expense on all three campuses increased by \$1.9 million to \$266.1 million, which was \$20.6 million below the adopted budget. Although a hiring freeze is not in affect, requests to add new positions or fill previously vacant positions are carefully scrutinized.
- As noted above, total liabilities decreased \$48.0 million. This decrease consisted of a \$118.8 million decrease in the University's proportional share of the Net Pension Liability (NPL) for the non-student employees' retirement plans offset by the liability incurred as the result of the University adopting GASB 75. GASB 75 required the University to record its proportional share of the OPEB liability for the State Teachers Retirement System (STRS) and Ohio Public Employees Retirement System of Ohio (OPERS) OPEB plans, resulting in a liability of \$103,128 at June 30, 2018. The decrease in the NPL stemmed from an update in mortality tables and elimination of the cost of living adjustment utilized by STRS to measure NPL.

Statement of Net Position

The Statement of Net Position presents the assets, liabilities, deferred outflows/inflows of resources, and net position of the University as of the end of the fiscal year. The difference between total assets and total liabilities, or net position, is one indicator of the overall strength of the institution. Also, the increase or decrease in total net position indicates whether the financial position of the institution is improving or declining. Except for capital assets, all other assets and liabilities are measured at a point in time using current values. Capital assets are recorded at historical cost less an allowance for depreciation.

The net position is classified into three major categories. The first category, net investment in capital assets, reports the institution's net equity in property, plant, and equipment. The second major category, restricted net position, reports assets that are owned by the institution, but the use or purpose of the funds is restricted by an external source or entity. This category is subdivided into two types: nonexpendable and expendable. Nonexpendable restricted assets are primarily endowment funds that may be invested for income and capital gains, but the endowed principal may not be spent. Expendable restricted assets may be spent by the institution, but only for the purpose specified by the donor, grantor, or other external entity. The third category, unrestricted net position, is separated into two types: allocated and unallocated. Allocated unrestricted assets are available to the institution, but are set aside for a specific purpose by University policy, management, or the governing board. Unallocated unrestricted assets are available to be used for any lawful purpose of the institution.

Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Statement of Net Position (Continued)

	 2018	2017	2016
Assets:			
Current assets	\$ 742,497	\$ 756,058	\$ 677,619
Capital assets, net	1,355,726	1,266,306	1,166,752
Long-term investments	214,570	211,096	176,132
Other assets	5,409	6,877	10,651
Total assets	2,318,202	2,240,337	2,031,154
Deferred outflows of resources	 92,676	102,572	61,893
Total assets and deferred outflows of resources	\$ 2,410,878	\$ 2,342,909	\$ 2,093,047
Liabilities:			
Current liabilities	\$ 118,973	\$ 116,596	\$ 111,389
Noncurrent liabilities	1,072,362	1,122,705	943,323
Total liabilities	1,191,335	1,239,301	1,054,712
Deferred inflows of resources	43,215	3,414	21,870
Net Position:			
Net investment in capital assets	710,249	682,581	626,844
Restricted – nonexpendable	95,227	91,156	86,290
Restricted – expendable	60,503	41,966	51,099
Unrestricted – allocated	295,022	155,908	235,875
Unrestricted – unallocated	15,327	20,169	16,357
Total net position	1,176,328	991,780	1,016,465
Total liabilities, deferred inflows of resources			
and net position	\$ 2,410,878	\$ 2,234,495	\$ 2,093,047

Total assets of the institution increased 3.5 percent or \$77.8 million in fiscal year 2018. This increase was the primary result of an increase in capital assets of \$89.4 million. Details of the increase in capital assets are provided in the Capital Assets and Debt Administration section of this report.

As noted previously, total liabilities decreased \$48.0 million. This decrease consisted of a \$118.8 million decrease in the University's proportional share of the Net Pension Liability (NPL) for the non-student employees' retirement plans offset by the liability incurred as the result of the University adopting GASB 75. GASB 75 required the University to record its proportional share of the OPEB liability for the State Teachers Retirement System of Ohio (STRS) and Ohio Public Employees Retirement System of Ohio (OPERS) OPEB plans, resulting in a liability of \$103,128 at June 30, 2018. The decrease in the NPL stemmed from an update in mortality tables and elimination of the cost of living adjustment utilized by STRS to measure NPL. Overall, net position increased by \$184.5 million excluding the impact of the implementation of GASB 75.

Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Statement of Revenues, Expenses and Changes in Net Position

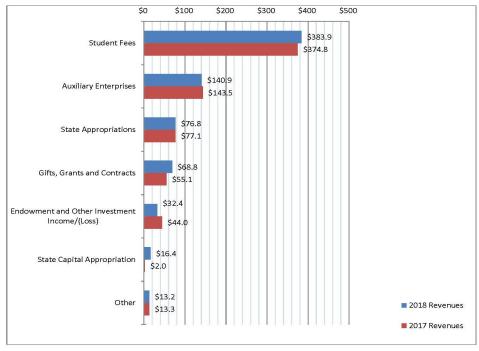
The Statement of Revenues, Expenses, and Changes in Net Position presents the University's results of operations for the fiscal year. The revenues and expenses are generally reported as either operating or non-operating. Operating revenues are generated by providing goods and services to customers and constituencies of the institution. Operating expenses are incurred when goods and services are provided by vendors and employees for the overall operations of the University. Non-operating revenues include the student instructional subsidy from the State of Ohio, while other revenues include the State's capital appropriation. Investment losses and returns are also included in non-operating revenue. Interest on debt is the primary component of non-operating expense.

In fiscal year 2018, total revenues of the institution from all sources were approximately \$732.4 million, which represents a \$22.7 million or 3.2 percent increase from the prior year. Approximately 75.3 percent of revenues were classified as operating, and 24.7 percent were classified as non-operating or other revenues.

	 2018	2017	2016
Operating revenues	\$ 551,696	\$ 544,553	\$ 522,244
Non-operating revenues	156,723	158,059	106,825
Other revenues	 23,972	7,087	16,590
Total revenues	732,391	709,699	645,659
Operating expenses	(521,118)	(599,516)	(557,505)
Non-operating expenses	 (26,725)	(26,455)	(23,049)
Total expenses	 (547,843)	(625,971)	(580,554)
Change in net position	\$ 184,548	\$ 83,728	\$ 65,105

The University revenue base is shown in the accompanying chart. Student tuition and fees make up the largest percentage of revenues at slightly more than 52.4 percent, while auxiliary enterprises such as residence and dining halls, several student recreational facilities, and the bookstore account for the second highest amount at 19.2 percent. State appropriations are 10.5 percent of the total. Gifts, grants, and contracts represent 9.4 percent, and net endowment and investment income contributed to a 4.4 percent increase in the total. State capital appropriations are 2.2 percent.

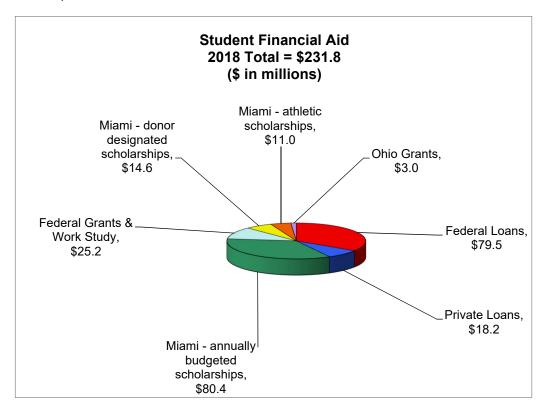
Total Revenues (\$ in Millions)



Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Statement of Revenues, Expenses and Changes in Net Position (Continued)

The University continues to expand the merit scholarship packages for in-state and out-of-state students in order to recognize student achievement and to continue making a high-quality education more affordable for parents and students. In fiscal year 2018, Miami-funded financial aid increased by \$4.8 million or 2.1 percent. In total, financial aid awards were \$231.8 million.



Statement of Cash Flows

The Statement of Cash Flows present detailed information about the major sources and uses of cash by the institution for the fiscal year. The cash flow analysis is divided into four types of cash flows: operating activities, noncapital financing activities (which includes the state appropriations as well as gift revenues), capital and related financing activities (which includes debt activity), and investing activities.

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	 2018	2017	2016	
Net cash provided by operating activities	\$ 19,260	\$ 31,732	\$ 17,875	
Net cash provided by noncapital financing activities	125,599	114,421	121,670	
Net cash used in capital and related				
financing activities	(187,842)	(75,354)	(186,754)	
Net cash provided by (used in) investing activities	 50,724	(85,358)	38,825	
Net increase (decrease) in				
cash and cash equivalents	7,741	(14,559)	(8,384)	
Cash and cash equivalents:				
Beginning of year	 77,323	91,882	100,266	
End of year	\$ 85,064	\$ 77,323	\$ 91,882	

Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Statement of Cash Flows (Continued)

The net \$7.7 million increase in the fiscal year 2018 cash and cash equivalents balance primarily relates to improved operating performance during the year ended June 30, 2018.

Throughout the year, cash was used for capital acquisitions, payment of debt, investment and operating activities. These uses of cash were offset in part by the cash provided by tuition and fees, state appropriations, sales by auxiliary enterprises, gifts, and grants.

Capital Assets and Debt Administration

During fiscal year 2018, the University completed and capitalized several projects. These projects were funded by a combination of bond proceeds, state capital appropriations, gifts, and local funding. The bond proceeds were generated from the 2014 and 2017 Series General Receipts Revenue Bonds totaling \$88.9 million combined. Major projects completed in 2018 include renovation projects to Clawson Hall, Hamilton Hall, Hughes Hall, Irvin Hall, Recreational Sports Center, and the Steam Plant. Other infrastructure improvements included Western Geothermal Infrastructure. See Note 4 for additional information concerning capital assets and accumulated depreciation.

The University's bond rating remained the same with a rating of Aa3 from Moody's Investors Services and a rating of AA from Fitch Ratings. For more detailed information on current outstanding debt, see Note 5 and 6.

No new debt was issued in fiscal year 2018.

Economic Factors That Will Affect the Future

The higher education landscape continues to be influenced by disruptive forces resulting from technological change, the national conversation regarding affordability and efficiency, and economic and demographic issues. In Ohio, the issues mirror those of much of the nation.

The focus of the Ohio General Assembly continues to be on improving affordability and graduation rates at Ohio's public colleges and universities. Ohio's demographic trends are a barrier to both Miami's goal of growing its enrollment and Ohio's desire to increase the number of Ohio residents with a college degree as the number of high school graduates in Ohio continues to decline. Similar declines in high school graduation numbers in the surrounding states and the northeastern United States also negatively impact Miami's Oxford Campus as these regions have historically contributed students to Miami's incoming freshmen classes.

Ohio's demographic trends are also expected to negatively affect future state support for higher education as the proportion of the state's population in the workforce declines and the aged population increases the demand on state programs like Medicaid. The immediate outlook for state funding for higher education in Ohio is also unclear as Ohio will have a new governor for the first time in eight years. And as a result of term limits, will likely experience significant changes in the representation in the Ohio General Assembly. Miami's state funding for 2019 in nominal dollars is about 8 percent below what it received in 2001.

Management's Discussion and Analysis June 30, 2018 (Dollars in Thousands)

Financial Highlights (Continued)

Economic Factors That Will Affect the Future (Continued)

The Oxford Campus' fall 2018 class continued the recent pattern of modestly larger classes and more academically prepared students. However, the recent trend of an increased proportion of nonresident international students in the new class did not continue. As of the first day of classes, there were 3,977 new freshmen with an average ACT score of 28.0 which is one percent larger than the fall 2017 class on the first day. The nonresident composition of the new class fell from 43 percent to 41 percent largely as a result of a 10 percent (52 students) decline in international enrollment. Overall the enrollment on the Oxford Campus grew from 19,766 to 20,020 students. The decline in international enrollments generally occurred across all institutions of higher education as a result of policy changes in Washington. Future international enrollment trends remain difficult to predict given the current national conversation.

Enrollment at Miami's regional campuses for fall 2018 declined by 3.7 percent to 4,733 but enrollment on these campuses is stabilizing. Enrolling international students on these campuses actually increased by 16 students. Lackluster enrollment results over the last five years for these campuses reflects the national enrollment trend for open enrollment campuses as employment in the region and the nation has improved. New academic program offerings, a tuition guarantee, and new enrollment strategies are continuing to be implemented for these campuses in response to the downward enrollment trend.

Fiscal year 2019 will mark the third year of President Crawford's presidential tenure at Miami and bring a focus on developing a new strategic plan for the University. In anticipation of the new strategic plan and in response to the rapid change confronting higher education, President Crawford announced in 2018 the creation of a strategic investment fund totaling \$50 million. The fund will be used to make investments in already strong academic programs with the intent of building a greater national profile for the program and in new areas where technological and economic changes suggest that enrollment interest in these degree programs or certificates is likely to increase in the future. Some program targets that have already been identified include health professions, entrepreneurship, and data analytics. The strategic planning process will be used to further refine these strategies as well as introduce additional strategies.

Higher education across the nation continues to experience rapid change in contrast to much of its history. Technological change is not only creating the need for new academic disciplines and degree programs but impacting delivery systems and introducing greater competition in an already highly competitive industry. Public accountability for the high cost of tuition and rising student debt continue to influence the national conversation and state legislative policies negatively affecting revenue growth. But Miami's strong commitment to undergraduate teaching, the demand for its programs not only in Ohio but around the nation and the world, its improved operating efficiencies, and its dedicated and committed faculty and staff, position it well to respond to these challenges and to maintain its financial performance in the face of transformational change.

Statement of Net Position June 30, 2018 (Dollars in Thousands)

	Miami University	University Foundation		
Assets				
Current assets:		_		
Cash and cash equivalents	\$ 85,064	\$	25,392	
Investments	609,414			
Accounts, pledges and notes receivable, net	39,963		10,099	
Inventories	2,104		-	
Prepaid expenses and deferred charges	5,952		-	
Total current assets	742,497		35,491	
Noncurrent assets:				
Restricted cash and cash equivalents	_		38,891	
Investments	214,570		479,129	
Pledges and notes receivable, net	4,477		33,598	
Net pension asset	932		33,330	
•			-	
Nondepreciable capital assets	212,691		-	
Depreciable capital assets, net	1,143,035		-	
Total noncurrent assets	1,575,705		551,618	
Total assets	2,318,202		587,109	
Deferred outflows of resources:				
Pensions	85,137		-	
OPEB (Note 9)	7,539		_	
Total deferred outflows of resources	92,676			
Total addition dulinows of foodulous				
Total assets and deferred outflows of resources	\$ 2,410,878	\$	587,109	
Liabilities				
Current liabilities:				
Accounts payable	\$ 43,134	\$	14,825	
Accrued salaries and wages	16,834	•	, - <u>-</u>	
Accrued compensated absences	1,379		_	
Unearned revenue	12,719			
Deposits	12,719		_	
•			-	
Current portion of long-term debt	31,577		-	
Other current liabilities Total current liabilities	801 118,973		575 15,400	
Total current habilities	110,373		15,400	
Noncurrent liabilities:				
Accrued compensated absences	16,844		-	
Bonds payable	659,572		-	
Capital leases payable	2,030		-	
Federal Perkins loan program	3,287		-	
Net pension liability	287,503		-	
Net OPEB liability (Note 9)	103,126		-	
Other noncurrent liabilities	-		219,539	
Total noncurrent liabilities	1,072,362		219,539	
Total liabilities	1,191,335		234,939	
Deferred inflows of resources:				
Deferred gains on refunding	1,129			
Pensions			-	
	32,777		-	
OPEB (Note 9) Total deferred inflows of resources	9,309 43,215			
Net position: Net investment in capital assets	710,249		_	
Restricted:	7 10,249		-	
	05.007		000 004	
Nonexpendable	95,227		222,824	
Expendable	60,503		128,722	
Unrestricted	310,349		624	
Total net position	1,176,328		352,170	
Total liabilities, deferred inflows and net position	\$ 2,410,878	\$	587,109	

See notes to financial statements.

Statement of Revenues, Expenses, and Changes in Net Position Year Ended June 30, 2018 (Dollars in Thousands)

	Miami University	University Foundation
Operating revenues:	\$ 481,191	\$ -
Tuition, fees, and other student charges Less allowance for student scholarships	\$ 481,191 (97,323)	Ф -
Net tuition, fees, and other student charges	383,868	
Net tuition, lees, and other student charges	303,000	
Sales and services of auxiliary enterprises	147,079	-
Less allowance for student scholarships	(6,158)	
Net sales and services of auxiliary enterprises	140,921	=
Federal contracts	12,321	<u>-</u>
Gifts	-	2,531
Sales and services of educational activities	2,801	,
Private contracts	2,912	=
State contracts	1,314	-
Local contracts	100	-
Other	7,459	=
Total operating revenues	551,696	2,531
Operating expenses:		
Education and general:		
Instruction and departmental research	109,923	=
Separately budgeted research	11,822	-
Public service	2,590	=
Academic support	61,539	-
Student services	30,232	=
Institutional support	62,775	=
Operation and maintenance of plant	34,253	-
Scholarships and fellowships	20,400	-
Auxiliary enterprises	117,314	-
Depreciation	59,810	=
Other	10,460	=
Total operating expenses	521,118	-
Net operating income	30,578	2,531
Non-operating revenues (expenses):		
State appropriations	76,832	_
Gifts, including those from the University Foundation	27,266	_
Federal grants	18,276	-
Net investment income, net of investment expense of	10,210	
\$2,602,537 for the University and \$3,293,612 for the Foundation	29,764	16,171
State grants	1,671	=
Interest on debt	(26,725)	-
Payments to Miami University	(==;:==)	(18,181)
Other non-operating revenues (expenses)	2,914	(80)
Net non-operating revenues (expenses)	129,998	(2,090)
Income before other revenues, expenses,		
and gains or losses	160,576	441
04		
Other revenues, expenses, gains or losses:	16 422	
State capital appropriation	16,433	-
Capital grants and gifts Additions to permanent endowments	4,895	40.046
Total other revenues, expenses, gains, or losses	<u>2,644</u> 23,972	
Total other revenues, expenses, gains, or losses	23,972	12,340
Change in net position	184,548	12,787
Total net position at beginning of year, as restated (Note 9)	991,780	339,383
Total net position at end of year	\$ 1,176,328	\$ 352,170

Statement of Cash Flows Year Ended June 30, 2018 (Dollars in Thousands)

Cash flows from operating activities:	400 170
Tuition, fees, and other student charges	\$ 482,450
Sales and services of auxiliary enterprises	145,750
Contracts Other energting receipts	18,232
Other operating receipts	10,343
Payments for employee compensation and benefits	(365,631)
Payments to vendors for services and materials	(145,734)
Student scholarships	(123,882)
Loans issued to students and employees	(3,951)
Collection of loans from students and employees	 1,683
Net cash flows provided by operating activities	 19,260
Cash flows from noncapital financing activities:	
State share of instruction funds	78,995
Grants for noncapital purposes	19,947
Gifts	 26,657
Net cash flows provided by noncapital financing activities	 125,599
Cash flows from capital and related financing activities:	40.400
State capital appropriation	16,433
Grants for capital purposes	4,662
Other capital and related receipts	617
Payments to construct, renovate, or purchase capital assets	(147,632)
Principal paid on outstanding debt	(29,964)
Interest paid on outstanding debt	 (31,958)
Net cash flows used in capital and related financing activities	 (187,842)
Cash flows from investing activities:	
Proceeds from sale of investments	259,774
Purchases of investments	(221,161)
Endowment income	1,095
Other investment income	 11,016
Net cash flows provided by investing activities	50,724
Net increase in cash and cash equivalents	7,741
Cook and each equivalente:	
Cash and cash equivalents: Beginning	77,323
Degillining	11,323
Ending	\$ 85,064
-	

(Continued)

Statement of Cash Flows (Continued) Year Ended June 30, 2018 (Dollars in Thousands)

Reconciliation of operating gain to net cash flows provided by operating activities:		
Operating income	\$	30,578
Adjustments to reconcile net operating gain to net cash	•	, .
provided by operating activities:		
Depreciation expense		59,810
Accounts receivable bad debt adjustments		87
Adjustments to reconcile change in net position to net cash provided by		
operating activities:		
Accounts receivable		2,060
Inventories		(232)
Prepaid expenses and deferred charges		(90)
Notes receivable		744
Net pension asset		(562)
Deferred outflows of pension resources		17,435 [°]
Deferred outflows of OPEB resources		(7,539)
Accounts payable		2,990
Accrued salaries and wages		482
Accrued compensated absences		(650)
Unearned revenue and deposits		(203)
Federal Perkins loans		(1,469)
Net pension liability		(118,841)
Net OPEB liability		(5,287)
Deferred inflows of pension resources		30,638
Deferred inflows of OPEB resources		9,309
Net cash flows provided by operating activities	\$	19,260
Supplemental disclosure of noncash information:		
Capital assets included in accounts payable	\$	23,296
Capital assets acquired by gifts in kind	\$	233
. , , , , , , , , , , , , , , , , , , ,		

See notes to financial statements.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies

Miami University (the University) is a land grant institution chartered by the State of Ohio in 1809 and governed by a Board of Trustees (the board). The board consists of up to 17 members, including two student members and up to six non-voting national trustees. Voting members are appointed one each year for nine-year terms by the governor with the advice and consent of the state senate. The two student non-voting members are appointed for two-year staggered terms by the governor with the advice and consent of the senate, and the national trustees are appointed by the voting members and can serve for no more than two consecutive three-year terms.

The Governmental Accounting Standards Boards (GASB) Statement No. 39 sets forth criteria to determine whether certain organizations for which the University is not financially accountable should be reported as component units based on the nature and significance of their relationship with the University. The Miami University Foundation (the Foundation), which is a separate not-for-profit foundation, meets this criteria due to the significance of their operational or financial relationships with the University. Note 10 provides additional information on the Foundation. Certain disclosures concerning the Foundation are not included because it has been audited separately for the year ended June 30, 2018 and reports have been issued under separate cover.

The University's financial statements are included as a discretely presented component unit in the State of Ohio's Comprehensive Annual Financial Report.

Basis for presentation: The financial statements of the University have been prepared on the accrual basis of accounting, whereby revenues are recognized when earned and expenses are recorded when the related liability has been incurred. For financial reporting purposes, the University is considered a special-purpose government engaged only in business-type activities as defined by GASB Statement Nos. 34 and 35.

Recent and pending accounting pronouncements: Effective July 1, 2017, the University adopted GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*. The primary objective of this Statement is to improve accounting and financial reporting by state and local governments for postemployment benefits other than pensions (other postemployment benefits or OPEB). This Statement is effective for the University beginning with its year ending June 30, 2018. The adoption of this statement, further detailed in Note 9, required the restatement of prior year net position to conform to the 2018 presentation.

Effective July 1, 2017, the University adopted GASB Statement No. 81, *Irrevocable Split-Interest Agreements*. The objective of this Statement is to improve accounting and financial reporting by establishing recognition and measurement requirements for irrevocable split-interest agreements as well as enhance the transparency and decision-usefulness of general purpose external financial reports by more clearly identifying resources that are available to a government. This Statement amends Statement No. 31, *Accounting and Financial Reporting for Certain Investments and for External Investment Pools*, paragraph 13; Statement No. 33, *Accounting and Financial Reporting for Nonexchange Transactions*, paragraph 5; Statement No. 34, *Basic Financial Statements—and Management's Discussion and Analysis—for State and Local Governments*, paragraphs 16, 18, 22, 92, and 107; and Statement No. 67, *Financial Reporting for Pension Plans*, paragraph 24. There has been no significant impact to the University financial statements due to the adoption of Statement No. 81.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies (Continued)

In November 2016, GASB issued Statement No. 83, *Certain Asset Retirement Obligations*. The objective of this Statement is to address accounting and financial reporting for certain asset retirement obligations. An asset retirement obligation is defined as a legally enforceable liability associated with the retirement of a tangible capital asset. A government that has legal obligations to perform future asset retirement activities related to tangible capital assets should recognize a liability based on the guidance in this Statement. The requirements of this Statement are effective for reporting periods beginning after June 15, 2018. The University has not yet determined the impact this statement will have on the financial statements.

In January 2017, GASB issued Statement No. 84, *Fiduciary Activities*. The objective of this Statement is to improve guidance regarding the identification of fiduciary activities for accounting and financial reporting purposes and how those activities should be reported. The Statement establishes criteria for identifying fiduciary activities and the focus of the criteria generally is on (1) whether the government is controlling the assets of the fiduciary activity and (2) the beneficiaries with whom a fiduciary relationship exists. The requirements of this Statement are effective for reporting periods beginning after December 15, 2018. The University has not yet determined the impact this statement will have on the financial statements.

Effective July 1, 2017, the University adopted GASB Statement No. 85, *Omnibus 2017*. The objective of this Statement is to address practice issues that have been identified during implementation and application of certain GASB Statements. This Statement addresses a variety of topics including issues related to blending component units, goodwill, fair value measurement and application, and postemployment benefits (pensions and postemployment benefits (OPEB) amongst other things. There has been no significant impact to the University financial statements due to the adoption of Statement No. 85.

Effective July 1, 2017, the University adopted GASB Statement No. 86, *Certain Debt Extinguishment Issues*. The primary objective of this Statement is to improve consistency in accounting and financial reporting for in-substance defeasance of debt by providing guidance for transactions in which cash and other monetary assets acquired with only existing resources—resources other than the proceeds of refunding debt—are placed in an irrevocable trust for the sole purpose of extinguishing debt. This Statement also improves accounting and financial reporting for prepaid insurance on debt that is extinguished and notes to financial statements for debt that is defeased in substance. There has been no significant impact to the University financial statements due to the adoption of Statement No. 86.

In June 2017, GASB issued Statement No. 87, *Leases*. The objective of this Statement is to better meet the information needs of financial statement users by improving accounting and financial reporting for leases by governments. This Statement increases the usefulness of governments' financial statements by requiring recognition of certain lease assets and liabilities for leases that previously were classified as operating leases and recognized as inflows of resources or outflows of resources based on the payment provisions of the contract. It establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use an underlying asset. Under this Statement, a lessee is required to recognize a lease liability and an intangible right-to-use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources, thereby enhancing the relevance and consistency of information about governments' leasing activities. The requirements of this Statement are effective for reporting periods beginning after December 15, 2019. The University has not yet determined the impact this statement will have on the financial statements.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies (Continued)

In March 2018, GASB issued Statement No. 88, Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placements. The primary objective of this Statement is to improve the information that is disclosed in notes to government financial statements related to debt, including direct borrowings and direct placements. It also clarifies which liabilities governments should include when disclosing information related to debt. This Statement defines debt for purposes of disclosure in notes to financial statements as a liability that arises from a contractual obligation to pay cash (or other assets that may be used in lieu of cash) in one or more payments to settle an amount that is fixed at the date the contractual obligation is established. This Statement requires that additional essential information related to debt be disclosed in notes to financial statements, including unused lines of credit; assets pledged as collateral for the debt; and terms specified in debt agreements related to significant events of default with financerelated consequences, significant termination events with finance-related consequences, and significant subjective acceleration clauses. For notes to financial statements related to debt, this Statement also requires that existing and additional information be provided for direct borrowings and direct placements of debt separately from other debt. The requirements of this Statement are effective for reporting periods beginning after June 15, 2018. The University has not yet determined the impact this statement will have on the financial statements.

In June 2018, GASB issued Statement No. 89, Accounting for Interest Cost Incurred before the End of a Construction Period. The objectives of this Statement are (1) to enhance the relevance and comparability of information about capital assets and the cost of borrowing for a reporting period and (2) to simplify accounting for interest cost incurred before the end of a construction period. This Statement requires that interest cost incurred before the end of a construction period be recognized as an expense in the period in which the cost is incurred for financial statements prepared using the economic resources measurement focus. As a result, interest cost incurred before the end of a construction period will not be included in the historical cost of a capital asset reported in a business-type activity or enterprise fund. This Statement also reiterates that in financial statements prepared using the current financial resources measurement focus, interest cost incurred before the end of a construction period should be recognized as an expenditure on a basis consistent with governmental fund accounting principles. The requirements of this Statement are effective for reporting periods beginning after December 15, 2019. The University has not yet determined the impact this statement will have on the financial statements.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies (Continued)

In August 2018, GASB issued Statement No. 90, Majority Equity Interests - An Amended of GASB Statements No. 15 and No. 61. The primary objectives of this Statement are to improve the consistency and comparability of reporting a government's majority equity interest in a legally separate organization and to improve the relevance of financial statement information for certain component units. It defines a majority equity interest and specifies that a majority equity interest in a legally separate organization should be reported as an investment if a government's holding of the equity interest meets the definition of an investment. A majority equity interest that meets the definition of an investment should be measured using the equity method, unless it is held by a special-purpose government engaged only in fiduciary activities, a fiduciary fund, or an endowment (including permanent and term endowments) or permanent fund. Those governments and funds should measure the majority equity interest at fair value. For all other holdings of a majority equity interest in a legally separate organization, a government should report the legally separate organization as a component unit, and the government or fund that holds the equity interest should report an asset related to the majority equity interest using the equity method. This Statement establishes that ownership of a majority equity interest in a legally separate organization results in the government being financially accountable for the legally separate organization and, therefore, the government should report that organization as a component unit. This Statement also requires that a component unit in which a government has a 100 percent equity interest account for its assets, deferred outflows of resources, liabilities, and deferred inflows of resources at acquisition value at the date the government acquired a 100 percent equity interest in the component unit. Transactions presented in flows statements of the component unit in that circumstance should include only transactions that occurred subsequent to the acquisition. The requirements of this Statement are effective for reporting periods beginning after December 15, 2018. The University has not yet determined the impact this statement will have on the financial statements.

Cash and cash equivalents: Cash consists primarily of cash in banks and money market accounts. Cash equivalents are short-term, highly liquid investments readily convertible to cash, with an original maturity of three months or less at the time of purchase.

Investments: Investments that are market traded, such as equity and debt securities, mutual funds, and cash equivalents, are recorded at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The value of holdings of commingled funds investing in publicly traded stocks and bonds and not having a readily determined market value for fund units is based on the funds' net asset value as supplied by the investment manager. Investments in real estate are recorded at fair value at the date of donation.

Investment income is recorded on the accrual basis and purchases and sales of investments are recorded on a trade-date basis. Investment transactions occurring on or before June 30 that settle after such date are recorded as receivables or payables.

Accounts, pledges and notes receivable allowance: The allowance for doubtful accounts is determined based on management's judgment of potential uncollectible amounts, based on historical experience, analysis of the aging of payment schedules and type of receivable.

Inventories: The University reports inventories at the lower of first-in, first out cost or market.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies (Continued)

Capital assets: Land, buildings, and equipment are recorded at cost at date of acquisition. In the case of gifts or other donated capital assets, they are recorded at acquisition value. Acquisition value is the price that would be paid to acquire an asset in an orderly market transaction at the acquisition date. Acquisition value is a market-based entry price. Intangible assets include patents, trademarks, land rights and computer software. Land, collections of works of art and historical treasures are capitalized but not depreciated. Any collection that is not capitalized is charged to operations at the time of purchase. Depreciation is computed using the straight-line method over the estimated useful lives of the respective assets. Estimated useful lives are 50 years for buildings; 25 years for infrastructure, library books and publications; and land improvements; 20 years for improvements to buildings; and 5 to 7 years for equipment, vehicles, and furniture. Intangible assets are depreciated based on the estimated life of each asset. The University's capitalization threshold is the lower of 5 percent of the original building cost or \$100 for building renovations and \$5 for other capitalized items. The capitalization threshold for intangible assets is \$100 except for internally generated computer software which has a threshold of \$500. Interest on construction projects is capitalized until substantial completion of the project.

Unearned revenue: Tuition and fees relating to summer sessions that are conducted in July and August are recorded in the accompanying Statement of Net Position as unearned revenue. Unearned revenue also includes the amounts received from grant and contract sponsors that have not yet been earned and amounts received from a tuition payment service for payments received for the next fiscal year. These will be recorded as revenue in the following fiscal year.

Pensions: For purposes of measuring the net pension liability or asset, deferred outflows of resources and deferred inflows of resources related to pensions, pension expense, and information about the fiduciary net position of the Ohio Public Employees Retirement System (OPERS) Traditional and Combined Plans as well as the State Teachers Retirement System of Ohio Retirement Plan (STRS Ohio) (collectively referred to as, the Pension Plans) any additions to/deductions from the Pension Plan's fiduciary net position have been determined on the same basis as they are reported by the Pension Plans. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

Postemployment benefits other than pensions (OPEB): For purposes of measuring the OPEB liability or asset, deferred outflows of resources and deferred inflows of resources related to healthcare costs, and employer OPEB expense, information about the fiduciary net position of the OPERS OPEB Plan as well as the STRS Ohio OPEB Plan (collectively referred to as, the OPEB Plans) and additions to/deductions from the Plan's fiduciary net position have been determined on the same basis as they are reported by the OPEB Plans. For this purpose, deductions are recorded when the liability is incurred and revenues are recognized when earned. OPEB plan liabilities are recognized when due and payable in accordance with the health care terms. Investments are reported at fair value.

Operating and non-operating revenue: The University defines operating activities, for purposes of reporting on the Statement of Revenues, Expenses, and Changes in Net Position, as those activities that generally result from exchange transactions such as payments received for providing services and payments made for services or goods received. Substantially all of the University's expenses are from exchange transactions. Certain significant revenue streams relied upon for operations are recorded as non-operating revenues, as defined by GASB Statement No. 35, including state appropriations, gifts, and investment income.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies (Continued)

Revenue recognition: The University recognizes tuition, fees and other student charges as goods and services are provided to customers and constituencies of the institution. State appropriations are recognized when received or made available. Restricted funds are recognized as revenue as expenditures are incurred for cost reimbursement grants and contracts or when restricted funds are received. Gifts and interest on student loans are recognized when received.

Allowance for student scholarships: Allowances for student tuition and fee revenues, and certain other revenues from students, are reported in the Statement of Revenues, Expenses, and Changes in Net Position. Scholarship allowances are the difference between the stated charge for goods and services provided by the University, and the amount that is paid by students and/or third parties making payments on the students' behalf. Certain governmental grants, such as Pell grants, and other Federal, state or nongovernmental programs, are recorded as either operating or non-operating revenues in the University's financial statements. To the extent that revenues from such programs are used to satisfy tuition and fees and other student charges, the University has recorded a scholarship allowance.

Bond premiums, discounts and issuance costs: Bond premiums and discounts costs are deferred and amortized over the life of the bonds using the effective interest method. Bond issuance costs are recognized as an expense in the period incurred.

Deferred outflows/inflows of resources: Deferred outflows of resources are a consumption of net position by the University that is applicable to a future reporting period. Deferred outflows of resources of the University consist of certain changes in the net pension liability and net OPEB liability not included in pension expense and OPEB expense, respectively. Employer contributions to the pension plan and OPEB plan subsequent to the measurement date of the net pension liability and OPEB liability, respectively, are also required to be reported as a deferred outflow of resources of the University. Deferred inflows of resources are an acquisition of net positions by the University that is applicable to a future reporting period. Deferred inflows of resources consist of deferred gains on debt refundings and certain changes in net pension liability not included in pension expense and net OPEB liability not included in OPEB expense.

Compensated absences: Full-time unclassified staff earn vacation at rates of 18 to 22 days per year, based on the term of their employment contract, with a maximum accrual of 52 days. Classified employees earn vacation at rates up to 25 days per year, based on years of service and hours reported, with a maximum accrual equivalent to the amount earned in three years. Upon retirement, termination, or death, the employee is compensated at the final rate of pay for unused vacation up to a maximum of 40 days. Faculty accrue no vacation benefits.

Full-time faculty, unclassified staff, and classified staff earn 15 days of sick leave per year and individuals who work less than full-time earn sick leave on a pro-rata basis. There is no limit on the number of sick leave hours that can be accumulated. Upon retirement a staff member with 10 or more years of Ohio public service is paid for one-fourth the value of earned but unused sick leave not to exceed 30 days, based on the employee's rate of pay at the time of retirement. The termination payment method is used to compute the liability for sick leave. Employees transferring to or from another State of Ohio agency may transfer any unused accumulated sick leave entitlement to/from the new agency. Persons leaving employment for reasons other than retirement are not compensated for unused sick leave.

Notes to Financial Statements (Dollars in Thousands)

Note 1. Summary of Significant Accounting Policies (Continued)

Net positions: Net positions are divided into three major categories. The first category, net investment in capital assets, which does not include unspent bond proceeds, reports the institution's net equity in property, plant, and equipment. The second major category is restricted net position. This category contains assets that are owned by the institution, but the use or purpose of the funds is restricted by an external source or entity. The corpus of the nonexpendable restricted assets is available for investment purposes only. The expendable restricted assets may be expended by the institution, but must be spent only for the purpose as determined by a donor or external entity. The income generated from the nonexpendable restricted investments and the expendable restricted funds may be used for student loans, scholarships and fellowships, instruction, research, and other needs to support the operation of the University. The third category is unrestricted net position and is separated into two types: allocated and unallocated. Allocated unrestricted assets are available to the institution, but are allocated for a specific purpose within the institution by University policy, management, or the governing board. The allocated unrestricted net position was \$295,022 as of June 30, 2018 and is to be used for loans, scholarships, investments and capital projects. Unallocated unrestricted net positions are available to be used for any lawful purpose of the institution.

Tax status: The University is exempt from federal income taxes under Section 115 of the Internal Revenue Code. As such, the University is subject to federal income taxes only on unrelated business income, if any, under the provisions of Section 511 in the Internal Revenue Code.

Estimates: Management has made, where necessary, estimates and judgments that affect certain amounts reported in the financial statements. The estimates and judgments are based on current available information, and actual results could differ from those estimates.

Subsequent events: The University has evaluated subsequent events occurring between the end of our most recent fiscal year and October 15, 2018, the date the financial statements were available to be issued.

Note 2. Cash and Investments

The University's cash and investment activities are governed by policies adopted by the board in accordance with authority granted by the Ohio Revised Code. Such policies are implemented by the treasurer and overseen by the board's finance and audit committee.

The University's investment strategy incorporates financial instruments that involve varying elements of risk including market risk, credit risk, interest rate risk, and custodial credit risk. The University's investment policies and procedures establish risk guidelines for each of the two primary investment pools, the non-endowment pool and endowment pool. Diversification is a fundamental risk management strategy for both pools.

Notes to Financial Statements (Dollars in Thousands)

Note 2. Cash and Investments (Continued)

Cash and cash equivalents: At year-end, the carrying amount of the University's cash and cash equivalents was approximately \$85,100 in 2018. Cash and cash equivalents consists primarily of cash in banks, money market accounts and the State Treasury Asset Reserve of Ohio (STAR Ohio) that include short-term, highly liquid investments readily convertible to cash, with an original maturity of three months or less. STAR Ohio is a statewide fund managed by the State Treasurer of Ohio with the carrying amount of the assets reported at amortized cost.

Approximately \$22,000 in 2018 of cash and cash equivalents was covered by federal depository insurance; \$53,600 in 2018 was covered by collateral held by third-party trustees pursuant to paragraph 135.181 of the Ohio Revised Code in collateral pools securing all public funds on deposit with specific depository institutions; and the remainder was not collateralized or insured, leaving it exposed to custodial credit risk. Custodial credit risk is the risk that, in the event of the failure of a depository financial institution, the University may not be able to recover its deposits or collateral securities. The University maintains active relationships with multiple cash equivalent accounts to reduce its exposure to custodial credit risk at any single institution.

Investments: Investments held by the University at June 30, 2018 are presented below, categorized by investment type and credit quality rating. Credit quality ratings provide information about the investments' credit risk, which is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The University's investment management procedures establish guidelines for average credit quality ratings in the portfolios. Moody's Investors Services and Fitch Ratings have assigned AAA credit ratings to U.S. Treasury obligations. On August 6, 2011, Standard & Poor's lowered its credit rating on long-term U.S. Treasury related debt obligations from AAA to AA+. For an investment, custodial credit risk is the risk that, in the event of the failure of the custodian, the University will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party. The University had no exposure to custodial credit risk for the year ended June 30, 2018.

The investments as of June 30, 2018 are summarized as follows:

Investment Type	Fair Value		Not Value Rated AAA		. ,		, ,		Below BBB
U.S. Treasury bonds	\$	77,024	\$	_	\$	77,024	\$	_	\$ _
U.S. Agency bonds		44,362		-		44,362		-	-
U.S. Treasury strips		2,341		-		2,341		-	-
Government-backed bonds		77,783		-		77,783		-	-
Corporate bonds		24,372		-		1,450		22,922	-
Municipal bonds		1,876		-		-		1,876	-
Common and preferred stocks		575		575		-		-	-
Commingled funds		595,310		525,914		2,879		55,296	11,221
Real estate and other		341		341		-		-	-
Total investments	\$	823,984	\$	526,830	\$	205,839	\$	80,094	\$ 11,221

Notes to Financial Statements (Dollars in Thousands)

Note 2. Cash and Investments (Continued)

Due to significantly higher cash flows at certain times during the year, the amount of the University's investment in each of the above investment categories may be substantially higher during the year than at year-end.

The University's bond investments are exposed to interest rate risk, which is the risk that changes in interest rates will adversely affect the fair value of an investment. Interest rate risk is managed primarily by adjusting portfolio duration.

Bond investments by length of maturity as of June 30, 2018 are summarized as follows:

Investment Type	Fair Value		L	Less than 1 Year 1 to 5 Years			6 to	o 10 Years	More than 10 Years	
U.S. Treasury bonds	\$	77,024	\$	39,196	\$	25,164	\$	11,748	\$	916
U.S. Agency bonds		44,362		21,308		19,273		3,164		618
U.S. Treasury strips		2,341		-		1,463		-		879
Government-backed bonds		77,783		6,245		20,072		22,139		29,326
Corporate bonds		24,372		2,017		17,204		3,848		1,303
Municipal bonds		1,876		-		1,144		324		407
Commingled bond funds		69,396		7,654		21,216		38,558		1,968
Total bonds	\$	297,154	\$	76,420	\$	105,536	\$	79,781	\$	35,417

Fair value of financial instruments: Fair value is defined in the accounting standards as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Management utilizes valuation techniques that maximize the use of observable inputs (Levels 1 and 2) and minimize the use of unobservable inputs (Level 3) within the fair value hierarchy established by GASB. Assets and liabilities carried at fair value are required to be classified and disclosed in one of the following three categories:

- Level 1: Quoted prices that are available in active markets as of the report date. The quoted market prices are from those securities traded on an active exchanged such as the New York Stock Exchange, NASDAQ or an active over-the-counter market.
- Level 2: Pricing inputs other than quoted prices in active markets, which are either directly or indirectly observable as of the report date.
- Level 3: Inputs that are unobservable including the University's own assumptions in determining the fair value of investments or liabilities. If the inputs used to measure the financial instruments fall within different levels of the hierarchy, the categorization is based on the lowest level input that is significant to the fair value measurement of the instrument.

Note 2. Cash and Investments (Continued)

The following table presents the investments by fair value hierarchy as of June 30, 2018:

	Level 1		Level 2		Level 3		Total
Investment assets:							
U.S. Treasury bonds	\$	77,024	\$	-	\$	-	\$ 77,024
U.S. Agency bonds		44,362		-		-	44,362
U.S. Treasury strips		2,341		-		-	2,341
Government-back bonds		-		77,783		-	77,783
Corporate bonds		-		24,372		-	24,372
Municipal bonds		-		1,876		-	1,876
Global public debt		34,230		-		-	34,230
Domestic public equity		500		-		-	500
Non-public equity		-		26,165		75	26,240
Real estate and other		-		-		340	340
Miami University Foundation investment pool		-		-		213,730	213,730
	\$	158,457	\$	130,196	\$	214,145	\$ 502,798
Funds reported at fair value based on net asset value:							
Non-publicly traded funds (a)							\$ 65,539
Hedged equity funds (b)							228,891
Hedged debt funds (c)							26,756
Total investment assets							\$ 823,984

The redemption frequency, if eligible, ranged from daily to quarterly for the various funds reported at fair value based on net asset value at June 30, 2018, with a redemption notice period, if applicable, ranging from 1 day to 90 days. As of June 30, 2018, the University has made commitments to limited partnerships of approximately \$900 that have not yet been funded.

Certain investment that are measured at net asset value per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the amounts presented in statement of net position.

- (a) This class includes investments in funds where the underlying holdings are primarily long-only investments in publicly traded bonds and other debt securities on a global basis. The fair value of the investments in this class have been estimated using the net asset value per share of the investments.
- (b) This class includes primarily investments in hedge funds that invest in both long and short positions in publicly traded equity securities on a global basis. The fair value of the investments in this class have been estimated using the net asset value per share of the investments.
- (c) This class includes primarily investments in hedge funds that invest in both long and short positions in both publicly traded and private debt securities on a global basis. The fund may also hold long and short positions in equity securities. Most debt securities are sub-investment grade and may be hard to price due to thin trading volumes. The fair values of the investments in this class have been estimated using the net asset value per share of the investments.

Notes to Financial Statements (Dollars in Thousands)

Note 2. Cash and Investments (Continued)

All of the University's investments in publicly traded securities are subject to market risk. As a result, a significant downturn in the securities markets could adversely affect the market value of University assets. Investments include globally oriented strategies that include exposure to non-U.S. equity and debt securities. While providing a potential diversification benefit, such international investments are exposed to foreign currency risk. Less than half of the investments have exposure to foreign currency risk. The University's investments that are exposed to concentration risk consist of securities issued by the U.S. agencies or instrumentalities of the U.S. government which represent 24.5 percent of investments at June 30, 2018. No other single issuer represents more than 5 percent of investments. Commingled funds held by the University include a wide range of investments, including hedge funds. The University's objective for investing in these hedge funds is to provide stable, absolute returns that are uncorrelated to fluctuations in the stock and bond markets.

Fair values were determined based on prices of established securities markets, with the exception of some hedge funds and alternative investments whose fair values were provided by the funds' managements. Alternative investments generally represent investments that are less liquid than publicly traded securities and include private equity, investments in real assets, and other strategies. Hedge funds may include, but are not limited to, long and short investments in domestic and international equity securities, distressed securities, fixed income securities, currencies, commodities, options, futures, and other derivatives. Many of these securities are intended to reduce market risk, credit risk, and interest rate risk.

Endowment funds: The Miami University Foundation (Foundation) manages the Foundation and University endowment and quasi-endowment funds in a single investment pool (Pooled Fund). The University investment is maintained as a separate fund in the financial system of the Foundation and receives a proportionate share of the Pooled Fund's activity. The Foundation owns the assets of the Pooled Fund; the University has an interest in the Pooled Fund. The Foundation's Pooled Fund is not registered with the Securities and Exchange Commission as an investment company. The Foundation's Board of Directors appoints an Investment Committee, which is responsible for oversight of the Pooled Fund in accordance with Foundation policies. University investments include \$213,730 managed by the Foundation as of June 30, 2018. The assets held on behalf of the University are included in other noncurrent liabilities on the statement of net position. The fair value of the University's position in the Pooled Fund is based on the University's proportional share of the Pooled Fund, which is marked-to-market annually. Note 10 provides additional information on the Foundation and the Pooled Fund.

The Uniform Prudent Management of Institutional Funds Act (UPMIFA) as adopted by the State of Ohio provides statutory guidelines for prudent management, investment, and expenditure of donor-restricted endowment funds held by charitable organizations. The University's interpretation of its fiduciary responsibilities for donor-restricted endowments under UPMIFA requirements, barring the existence of any donor-specific provisions, is to preserve intergenerational equity to the extent possible and to produce maximum total return without assuming inappropriate risks. The investment policies governing these funds look beyond short-term fluctuations in economic cycles toward an investment philosophy that provides the best total return over very long time periods.

Notes to Financial Statements (Dollars in Thousands)

Note 2. Cash and Investments (Continued)

The University employs a total return policy which defines the total amount of dividends, interest and realized gains to be distributed from the endowment assets to other funds. The policy distributes four percent of the average of the previous twelve quarterly market values as of March 31st of each fiscal year. The authorized spending amount was \$7,546 in 2018. In accordance with donors' stipulations, a portion of the earnings was returned to endowment principal and the balance of \$6,726 was distributed for expenditure for 2018. Donor restricted endowments with insufficient accumulated earnings did not make a current year distribution.

Note 3. Accounts, Pledges and Notes Receivable, net

The accounts, pledges and notes receivable as of June 30, 2018 are summarized as follows:

Accounts receivable:		
Student receivables	\$	10,670
University Foundation		14,719
Grants and contracts		3,869
Other receivables		5,300
Total accounts receivable		34,558
Less allowances for doubtful accounts		(1,285)
Net accounts receivable	\$	33,273
Pledges receivable:		
Pledges receivable	\$	3,562
Less allowance for doubtful pledges		(489)
Net pledges receivable	\$	3,073
Notes receivable:		
Federal loan programs	\$	5,810
University loan programs		4,258
Total notes receivable		10,068
Less allowance for doubtful notes		(1,974)
Net notes receivable		8,094
Total	_\$	44,440

Notes to Financial Statements (Dollars in Thousands)

Note 4. Capital Assets

The capital assets and accumulated depreciation as of June 30, 2018 are summarized as follows:

		Beginning Balance	Additions	R	etirements	Transfers	Ending Balance
Capital assets:							
Land	\$	5,792	\$ 233	\$	-	\$ -	\$ 6,025
Collections of works of art and historical							
treasures		9,338	550		-	-	9,888
Construction in progress		131,692	132,923		-	(67,837)	196,778
Total nondepreciable capital assets		146,822	133,706			(67,837)	212,691
Land improvements		54,194	6,748		-	-	60,942
Buildings		1,406,093	966		-	54,906	1,461,965
Infrastructure		155,878	1,238		-	12,931	170,047
Machinery and equipment		86,923	5,419		(4,195)	-	88,147
Library books and publications		71,050	945		- '	-	71,995
Vehicles		7,048	208		(393)	-	6,863
Intangible assets		17,069	-		(4,198)	-	12,871
Total depreciable capital assets		1,798,255	15,524		(8,786)	67,837	1,872,830
Total capital assets		1,945,077	149,230		(8,786)	-	2,085,521
Less accumulated depreciation:							
Buildings		482,142	44,973		-	-	527,115
Infrastructure		74,580	5,934		-	-	80,514
Land improvements		19,869	2,057		-	_	21,926
Machinery and equipment		28,805	3,821		(4,195)	-	28,431
Library books and publications		50,709	2,001			-	52,710
Vehicles		5,597	1,024		(393)	_	6,228
Intangible assets		17,069	-		(4,198)	-	12,871
Total accumulated depreciation	-	678,771	59,810		(8,786)	-	729,795
Total capital assets, net	\$	1,266,306	\$ 89,420	\$	-	\$ -	\$ 1,355,726

Note 5. Long-Term Liabilities

The long-term liabilities as of June 30, 2018 are summarized as follows:

	Beginning Balance	Additions	F	Reductions	Ending Balance	Current Portion
Bonds and leases payable:						
Bonds payable	\$ 671,655	\$ -	\$	(29,840)	\$ 641,815	\$ 31,450
Capital leases payable	2,281	-		(124)	2,157	127
Premiums	51,561	-		(2,354)	49,207	-
Total bonds and leases payable	 725,497	-		(32,318)	693,179	31,577
Other liabilities:						
Compensated absences	18,873	7,951		(8,601)	18,223	1,379
Federal Perkins loans	5,558	287		(1,757)	4,088	801
Total other liabilities	24,431	8,238		(10,358)	22,311	2,180
Total	\$ 749,928	\$ 8,238	\$	(42,676)	\$ 715,490	\$ 33,757

Additional information regarding the bonds and capital leases is included in Note 6.

Notes to Financial Statements (Dollars in Thousands)

Note 6. Indebtedness

During the year ended June 30, 2017, the University issued \$154,635 in General Receipts Revenue Bonds with interest rates ranging from 2.00 percent to 5.00 percent and maturities from 2017 to 2042. A part of the proceeds were used to refund a portion of the remaining Miami University General Receipts Bonds, Series 2007. The net change in cash flows related to the refunding was approximately \$5,800 and the net present value savings was approximately \$5,000. In 2017, the University defeased a portion of the Series 2007 bonds by placing some of the proceeds from the Series 2017 bonds into an escrow account to provide for future debt service. The outstanding balance of defeased bonds were \$45,165 as of June 30, 2018.

The February 14, 2017 bond refunding resulted in a difference between the net carrying amount of the old debt and the reacquisition price of \$599. The unamortized difference of \$549 at June 30, 2018 is reported in the accompanying financial statements as a deferred inflow of resources and is being amortized through the year 2028.

During the year ended June 30, 2016, the University issued \$52,335 in General Receipts Revenue Bonds with a 1.88 percent coupon and maturities from 2016 to 2025. The proceeds were used to retire existing debt obligations.

During the year ended June 30, 2014, the University issued \$135,035 in General Receipts Revenue Bonds with interest rates ranging from 3.00 percent to 5.00 percent and maturities from 2015 to 2040.

During the year ended June 30, 2013, the University issued \$116,065 in General Receipts Revenue Bonds with interest rates ranging from 3.00 percent to 5.00 percent and maturities from 2014 to 2038.

During the year ended June 30, 2012, the University issued \$148,775 in General Receipts Revenue Bonds with interest rates ranging from 2.00 percent to 5.00 percent and maturities from 2012 to 2037. A part of the proceeds were used to refund a portion of the remaining Miami University General Receipts Bonds, Series 2003. The net change in cash flows related to the refunding was approximately \$2,100 and the net present value savings was approximately \$1,600. In fiscal year 2012, the University defeased a portion of the Series 2003 bonds by placing some of the proceeds from the Series 2011 bonds into an escrow account to provide for all future debt service. The outstanding balance of defeased bonds were \$20,590 as of June 30, 2018.

The proceeds from the 2017, 2014, 2013, and 2012 issuances have been and will continue to be used to fund the multi-phase effort to renovate all campus student housing and dining facilities as well as to retire outstanding indebtedness of the University for more favorable borrowing terms as described in the proceeding paragraphs.

The December 21, 2011 bond refunding resulted in a difference between the net carrying amount of the old debt and the reacquisition price of \$1,209. The unamortized difference of \$580 at June 30, 2018 is reported in the accompanying financial statements as a deferred inflow of resources and is being amortized through the year 2024.

Notes to Financial Statements (Dollars in Thousands)

Note 6. Indebtedness (Continued)

During the year ended June 30, 2011, the University issued \$125,000 in General Receipts Revenue Bonds consisting of \$105,445 Series 2010A (Federally Taxable Build America Bonds – Direct Payment) and \$19,555 Series 2010B (Tax-Exempt Bonds). Interest rates range from 4.81 percent to 6.77 percent for the Series 2010A bonds and 5.00 percent for the Series 2010B bonds. Maturities range from 2017 to 2036 for the Series 2010A bonds with a final payment in 2017 for the Series 2010B bonds. The Series 2010 bond proceeds were used to provide funding for the first phase of planned improvements to student housing and dining facilities and the first phase of construction of the Armstrong Student Center.

During the year ended June 30, 2007, the University issued \$83,210 in General Receipts Revenue Bonds with interest rates ranging from 3.25 percent to 5.25 percent and maturities from 2009 to 2027. The proceeds were used to fund capital asset additions. As noted previously, a significant portion of these bonds were refunded during 2017 with the issue of the Series 2017 General Receipt Revenue Bonds and these bonds were paid in full during 2018.

The University incurred total interest costs of \$26,725 as of June 30, 2018. The interest costs that were capitalized were \$1,811 as of June 30, 2018.

The maturity dates, interest rates, and outstanding principal balances as of June 30, 2018 are as follows:

	Maturity Interest		0	utstanding
	Dates	Rates		Debt
Bonds payable:				_
Series 2017 general receipts	2019 - 2042	4.00% - 5.00%	\$	152,560
Series 2015 general receipts	2019 - 2025	1.88% - 1.88%		38,995
Series 2014 general receipts	2019 - 2040	3.50% - 5.00%		125,490
Series 2012 general receipts	2019 - 2038	3.00% - 5.00%		102,450
Series 2011 general receipts	2019 - 2037	4.00% - 5.00%		120,665
Series 2010A general receipts	2019 - 2036	5.41% - 6.77%		101,655
Total bonds payable				641,815
Bond premiums				49,207
Total bonds payable, net			\$	691,022

Notes to Financial Statements (Dollars in Thousands)

Note 6. Indebtedness (Continued)

The principal and interest payments for the bonds in future years are as follows:

	Principal		Interest		Total	
2019	\$	31,450	\$	29,611	\$	61,061
2020		31,845		28,233		60,078
2021		33,205		26,732		59,937
2022		34,690		25,143		59,833
2023		36,190		23,499		59,689
2024 - 2028		155,015		94,114		249,129
2029 - 2033		132,395		68,868		201,263
2034 - 2038		144,485		22,858		167,343
2039 - 2042		42,540		2,794		45,334
Total	\$	641,815	\$	321,852	\$	963,667

The University has \$2,157 in capitalized lease obligations that have varying maturity dates through 2032 and carry implicit interest rates ranging from 2.65 percent to 6.38 percent. The scheduled maturities of these leases as of June 30, 2018, are:

2020 194 2021 193 2022 195 2023 193 2024 - 2028 967 2029 - 2032 768 Total minimum lease payments 2,705 Less amount representing interest (548) Net minimum lease payments \$ 2,157	2019	\$ 195
2022 195 2023 193 2024 - 2028 967 2029 - 2032 768 Total minimum lease payments 2,705 Less amount representing interest (548)	2020	194
2023 193 2024 - 2028 967 2029 - 2032 768 Total minimum lease payments 2,705 Less amount representing interest (548)	2021	193
2024 - 2028 967 2029 - 2032 768 Total minimum lease payments 2,705 Less amount representing interest (548)	2022	195
2029 - 2032768Total minimum lease payments2,705Less amount representing interest(548)	2023	193
Total minimum lease payments2,705Less amount representing interest(548)	2024 - 2028	967
Less amount representing interest (548)	2029 - 2032	768
	Total minimum lease payments	2,705
Net minimum lease payments \$ 2,157	Less amount representing interest	 (548)
	Net minimum lease payments	\$ 2,157

Buildings are financed with capital leases. The carrying amount of the buildings related to these capital leases as of June 30, 2018 is \$2,442.

Note 7. Net Pension Liability / Asset

Substantially all non-student employees are covered by one of three retirement plans. The University faculty is covered by the State Teachers Retirement System of Ohio (STRS Ohio). Non-faculty employees are covered by the Ohio Public Employees Retirement System of Ohio (OPERS). Employees may opt out of STRS Ohio and OPERS and participate in the Alternative Retirement Plan (ARP).

STRS Ohio and OPERS both offer three separate retirement plans: the defined benefit plan, the defined contribution plan, and a combined plan.

Notes to Financial Statements (Dollars in Thousands)

Note 7. Net Pension Liability / Asset (Continued)

Defined benefit plans: Both STRS Ohio and OPERS are cost-sharing multiple-employer defined benefit pension plans. Both plans provide retirement, disability, postretirement health care coverage, and death benefits to plan members and beneficiaries. Authority to establish and amend benefits is provided by state statute.

STRS Ohio and OPERS issue stand-alone financial reports. Copies of these reports may be obtained by writing to STRS, 275 East Broad Street, Columbus, OH 43215-3771 or to OPERS, 277 East Town Street, Columbus, OH 43215-4642.

Employer and member contribution rates are established by the State Teachers Retirement Board and limited by Chapter 3307 of the Ohio Revised Code. The statutory employer rate and member contribution rate for fiscal year 2018 and subsequent years is 14 percent of covered payroll.

During calendar year 2017, employees covered by the OPERS system were required by state statute to contribute 10.0 percent of their salary to the plan. The University was required to contribute 14.0 percent of covered payroll for this same year. Law enforcement employees who are a part of the OPERS law enforcement division contribute 13.0 percent of their salary to the plan for the calendar year 2017. For these employees, the University was required to contribute 18.1 percent of covered payroll for this same year. The member contribution rate for all other employees and the University's contribution rate remained unchanged. The portion of employer contributions to OPERS allocated to health care for members in the Traditional Plan was 1.0 percent during the calendar year 2017 (Note 9). Effective January 1, 2018, the portion of employer contributions allocated to health care decreased to 0.0 percent.

The payroll for employees covered by STRS Ohio for the year ended June 30, 2018 was approximately \$74,262. The payroll for employees covered by OPERS for the year ended June 30, 2018 was approximately \$96,874.

Pension liabilities and assets, pension expense, and deferred outflows of resources and deferred inflows of resources related to pensions: At June 30, 2018, the University reported a liability of \$287,503 for its proportionate share of the net pension liability for the OPERS Traditional plan and the STRS Ohio plan, in the amounts of \$104,072 and \$183,431, respectively. The net pension liability was measured as of December 31, 2017 for the OPERS traditional plan and June 30, 2017 for the STRS Ohio plan. The total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of that date for each plan. The amount used to allocate the net pension liability, deferred inflows/outflows and pension expense was based on the contributions during the measurement period which was determined by the OPERS Traditional plan and STRS Ohio plan to be a reliable approximation of long term contribution effort to the two plans. At the measurement date, the University's proportion was .663383 percent for OPERS Traditional and .772173 percent for STRS Ohio.

At June 30, 2018, the University reported an asset of \$932 for its proportionate share of the net pension asset for the OPERS Combined plan. The net pension asset was measured as of December 31, 2017. The method used to calculate the net pension asset was determined by an actuarial valuation as of that date. The amount used to allocate the net pension asset, deferred inflows/outflows and pension expense was based on the contributions during the measurement period which was determined by the OPERS Combined plan and to be a reliable approximation of long term contribution effort to the plan. At the measurement date, the University's proportion was .684872 percent for OPERS Combined plan.

For the year ended June 30, 2018, the University recognized pension expense (income) of approximately \$(48,438) consisting of pension expense (income) of approximately \$21,915 for the OPERS Traditional plan, approximately \$(70,492) for the STRS Ohio plan and an expense of \$139 for the OPERS Combined plan, respectively.

Note 7. Net Pension Liability / Asset (Continued)

At June 30, 2018, the University reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	STRS Ohio		OPERS		Total
Deferred outflows of resources:					_
Differences between expected and actual actuarial experience	\$	6,907	\$	106	\$ 7,013
Changes in assumptions		40,118		12,546	52,664
Changes in proportion and differences between University					
contributions and proportionate share of contributions		7,249		1,366	8,615
University contributions subsequent to the					
measurement date		10,397		6,448	16,845
Total	\$	64,671	\$	20,466	\$ 85,137
Deferred inflows of resources:					
Differences between expected and actual actuarial experience	\$	1,478	\$	2,321	\$ 3,799
Net difference between projected and actual earnings					
on pension plan investments		5,881		22,779	28,660
Changes in proportion and differences between University					
contributions and proportionate share of contributions		-		318	318
Total	\$	7,359	\$	25,418	\$ 32,777

Deferred inflows and outflows of resources related to the net difference between projected and actual earnings on pension plan investments are amortized over five years. The remaining deferred inflows and outflows of resources are amortized over the average remaining service lives of the active and inactive participants in the plan. Deferred outflows of resources includes \$16,845 of University contributions subsequent to the measurement dates of the Plans and will be recognized as a reduction of the net pension liability in the year ended June 30, 2019. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense (benefit) as follows:

	<u>ST</u>	STRS-Ohio		OPERS		Total
Year ended June 30:						_
2019	\$	11,230	\$	10,111	\$	21,341
2020		18,897		(2,237)		16,660
2021		12,959		(9,925)		3,034
2022		3,829		(9,262)		(5,433)
2023		-		(30)		(30)
Thereafter		-		(57)		(57)
	\$	46,915	\$	(11,400)	\$	35,515

Actuarial assumptions used for the year-ended June 30, 2018

For STRS Ohio, the total pension liability in the June 30, 2017 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

STRS Ohio

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

Cost-of-living adjustments (COLA) 0.00 percent effective July 1, 2017

Notes to Financial Statements (Dollars in Thousands)

Note 7. Net Pension Liability / Asset (Continued)

For OPERS, the total pension liability/asset in the December 31, 2017 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

OPERS	Traditional Pension Plan	Combined Plan
Wage Inflation	3.25 percent	3.25 percent
Projected salary increases	3.25 percent to 10.75 percent (includes wage inflation at 3.25 percent)	3.25 percent to 8.25 percent (includes wage inflation at 3.25 percent)
Investment rate of return	7.50 percent	7.50 percent
Cost-of-living adjustments (COLA)	Pre January 1, 2013 retirees: 3.00 percent simple	Pre January 1, 2013 retirees: 3.00 percent simple
	Post January 1, 2013 retirees: 3.00 percent simple through 2018, then 2.15 percent simple	Post January 1, 2013 retirees: 3.00 percent simple through 2018, then 2.15 percent simple

Mortality rates: STRS Ohio post-retirement mortality rates for healthy retires are based on the RP-2014 Annuitant Mortality Table with 50% of rates through age 69, 70% of rates between ages 70 and 79, 90% of rates between ages 80 and 84, and 100% of rates thereafter, projected forward generationally using mortality improvement scale MP-2016. Post-retirement disabled mortality rates are based on the RP-2014 Disabled Mortality Table with 90% of rates for males and 100% of rates for females, projected forward generationally using mortality improvement scale MP-2016. Pre-retirement mortality rates are based on RP-2014 Employee Mortality Table, projected forward generationally using mortality improvement scale MP-2016. OPERS pre-retirement mortality rates are based on RP-2014 Employees mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates are based on the RP-2014 Healthy Annuitant Mortality tables for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates for disabled retirees are based on the RP-2014 Disabled mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to all of the above described tables.

Investment return assumptions: STRS Ohio utilizes investment consultants to develop an estimated range for the investment return assumption based on the target allocation adopted by the respective Retirement Board of STRS Ohio. The long-term expected rate of return on OPERS defined benefit investment assets was determined using a building-block method in which best-estimate ranges of expected future real rates of return were developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target allocation percentage, adjusted for inflation.

Notes to Financial Statements (Dollars in Thousands)

Note 7. Net Pension Liability / Asset (Continued)

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

	STR	S Ohio	OPERS					
	_	Long-Term		Long-Term				
		Expected Real	Target	Expected Real				
Asset Class	Target Allocation	arget Allocation Rate of Return Allocation						
	_			_				
Domestic equities	28.00 %	7.35 %	19.00 %	6.37 %				
International equity	23.00	7.55	20.00	7.88				
Alternative investments	17.00	7.09	10.00	8.97				
Fixed income	21.00	3.00	23.00	2.20				
Real estate	10.00	6.00	10.00	5.26				
Other	1.00	2.25	18.00	5.26				
Total	100.00 %	- -	100.00 %					

Discount rate: The discount rate used to measure the total pension liability (asset) was 7.45 percent for STRS Ohio and 7.50 percent for OPERS. The projection of cash flows used to determine the discount rate assumes that employee contributions will be made at the current contribution rate and that participating employer contributions will be made at statutorily required rates. Based on those assumptions, the pension plans' fiduciary net position was projected to be available to make all projected future benefit payments of current active and inactive employees. 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.

Sensitivity of net pension liability to changes in discount rate: The following presents the University's proportionate share of the STRS Ohio and OPERS net pension liability (asset) calculated using a discount rate 1 percent higher and 1 percent lower than the plans' current rate.

	Current 1% Decrease Discount Rate 1% Increa								
	(6.45%)		(6.45%) (7.45%)		(6.45%) (7.45%) (8.45		(7.45%)		(8.45%)
STRS Ohio	\$	262,943	\$	183,431	\$	116,455			
	1% Decrease (6.50%)		Dis	Current count Rate (7.50%)	1% Increase (8.50%)				
OPERS - Traditional Plan OPERS - Combined Plan	\$	184,805 (507)	\$	104,072 (932)	\$	36,765 (1,226)			

Pension plan fiduciary net position: Detailed information about the pension plans' fiduciary net position is available in the separately issued STRS Ohio and OPERS financial report.

Notes to Financial Statements (Dollars in Thousands)

Note 8. Retirement Plans

Defined contribution plan: Full-time faculty and unclassified employees are eligible to participate in the Alternative Retirement Plan (ARP) offered by STRS Ohio and OPERS. The board has established the employer contribution as an amount equal to the amount which the University would have contributed to the respective state retirement system in which the employee would participate, less any amounts required to be remitted to the state retirement systems. ARP does not provide disability benefits, annual cost-of-living adjustments, postretirement health care benefits, or death benefits to plan members and beneficiaries.

The payroll for employees electing the alternative retirement program for the year ended June 30, 2018 was approximately \$73,665.

Combined plans: STRS Ohio offers a combined plan with features of both a defined contribution plan and a defined benefit plan. In the combined plan, employee contributions are invested in self-directed investments, and the employer contribution is used to fund a reduced defined benefit. Employees electing the combined plan receive postretirement health care benefits.

OPERS also offers a combined plan. This is a cost-sharing, multiple-employer defined benefit plan that has elements of both a defined benefit and defined contribution plan. In the combined plan, employee contributions are invested in self-directed investments, and the employer contribution is used to fund a reduced defined benefit. OPERS also provides retirement, disability, survivor, and postretirement health care benefits to qualified members. The portion of employer contributions to OPERS allocated to health care for members in the Combined Plan was 1.0 percent from January 1, 2017 through December 31, 2017 and decreased to 0.0 percent effective January 1, 2018 (Note 9).

Retirement plan funding: The Ohio Revised Code provides statutory authority for employee and employer contributions. The University's contributions each year are equal to its required contributions. University contributions for the current and two preceding years are summarized below.

		Employer Contribution								
			Alternativ							
	S1	TRS Ohio	OPERS		Р	rograms				
						_				
2018	\$	10,397	\$	13,654	\$	7,385				
2017		10,064		13,181		7,743				
2016		9,516		12,678		7,387				

Note 9. Postemployment Benefits Other Than Pensions (OPEB)

For the year ended June 30, 2018, Miami University implemented the provisions of GASB's Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*. Among other changes, this Statement was issued to improve accounting and financial reporting by governments for postemployment benefits other than pensions. As a result of implementing this Statement, Miami University was required to restate, net position as of July 1, 2017. The effect of the restatement on net position is as follows:

Net position as previously reported, June 30	\$ 1,100,194
Adjustment for net OPEB liability and deferred outflows of resources	(108,414)
Net position as restated, June 30	\$ 991,780

Notes to Financial Statements (Dollars in Thousands)

Note 9. Postemployment Benefits Other Than Pensions (OPEB) (Continued)

The University faculty are provided with OPEB through STRS Ohio. Non-faculty employees are provided with OPEB through the OPERS.

OPEB plans: Both STRS Ohio and OPERS are cost-sharing multiple-employer health care plans. Both plans provide postretirement health care coverage to retirees and their dependents. Health care coverage for disability recipients and primary survivor recipients is also provided. Coverage includes hospitalization, physicians' fees, prescription drugs, and partial reimbursement of monthly Medicare premiums. access to healthcare coverage to eligible retirees and their dependents. STRS Ohio Medicare Part B reimbursements will be discontinued effective January 1, 2019.

STRS Ohio and OPERS issue stand-alone financial reports. Copies of these reports may be obtained by writing to STRS, 275 East Broad Street, Columbus, OH 43215-3771 or to OPERS, 277 East Town Street, Columbus, OH 43215-4642.

Employer and member contribution rates are established by the State Teachers Retirement Board and limited by Chapter 3307 of the Ohio Revised Code (ORC). The statutory employer rate is 14 percent and the statutory member rate is 14 percent of covered payroll effective July 1, 2016. Under Ohio law, funds to pay health care costs may be deducted from employer contributions. For the year ended June 30, 2017, no employer allocation was made to the health care fund.

The ORC permits, but does not require, OPERS to offer post-employment health care coverage. The OPERS funding policy provides for periodic member and employer contributions to all three plans (Traditional Pension, Combined and Member-Directed) at rates established by the Board, subject to limits set in statute. The rates established for member and employer contributions were approved based upon the recommendations of the System's external actuary. All contribution rates were within the limits authorized by the ORC. The portion of Traditional Pension Plan and Combined Plan employer contributions allocated to health care was 1.0 percent for 2017. The 2018 allocation is expected to be 0 percent for health care funding, and expected to continue at that rate thereafter. The employer contribution as a percent of covered payroll deposited for the Member-Directed Plan participants' health care accounts for 2017 was 4.0 percent.

The payroll for employees covered by STRS Ohio for the year ended June 30, 2018 was approximately \$74,262. The payroll for employees covered by OPERS for the year ended June 30, 2018 was approximately \$96,874. The amount of employer contributions made to fund post-employment benefits for the year ended June 30, 2018 was approximately \$474. This represents contributions during the time period from July 1, 2017 through December 31, 2017. The employer contribution rated decreased to 0 percent effective January 1, 2018 for the Traditional and Combined Plans. For the year ended June 30, 2017, no employer allocation was made to the health care fund for STRS Ohio.

OPEB liabilities, OPEB expense, and deferred outflows of resources and deferred inflows of resources related to OPEB: At June 30, 2018, the University reported a liability of \$103,126 for its proportionate share of the net OPEB liability for the OPERS and STRS Ohio plan, in the amounts of \$72,999 and \$30,127, respectively. The net pension liability was measured as of December 31, 2017 for the OPERS plan and June 30, 2017 for the STRS Ohio plan. The total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation as of that date for each plan. The amount used to allocate the net OPEB liability, deferred inflows/outflows and OPEB expense was based on the contributions during the measurement period which was determined by the OPERS plan and STRS Ohio plan to be a reliable approximation of long term contribution effort to the two plans. At the measurement date, the University's proportion was .67222 percent for OPERS and .772173 percent for STRS Ohio.

For the year ended June 30, 2018, the University recognized OPEB (income) of approximately \$(3,043) consisting of OPEB expenses (income) of approximately \$6,079 for the OPERS plan and \$(9,122) for the STRS Ohio plan.

Notes to Financial Statements (Dollars in Thousands)

Note 9. Postemployment Benefits Other Than Pensions (OPEB) (Continued)

At June 30, 2018, the University reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

	STRS Ohio		OPERS		Total
Deferred outflows of resources:					
Differences between expected and actual actuarial experience	\$	1,739	\$	57	\$ 1,796
Changes in assumptions		-		5,315	5,315
Changes in proportion and differences between University					
contributions and proportionate share of contributions		428		-	428
Total	\$	2,167	\$	5,372	\$ 7,539
Deferred inflows of resources: Net difference between projected and actual earnings					
on OPEB plan investments	\$	1,287	\$	5,438	\$ 6,725
Changes in assumptions		2,427		-	2,427
Changes in proportion and differences between University					
contributions and proportionate share of contributions		-		157	157
Total	\$	3.714	\$	5.595	\$ 9.309

Deferred inflows and outflows of resources related to the net difference between projected and actual earnings on OPEB plan investments is amortized over five years. The remaining deferred inflows and outflows of resources are amortized over the average remaining service lives of the active and inactive participants in the plan. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense (benefit) as follows:

	STRS	STRS Ohio		Total	
Year ended June 30:					
2019	\$	(365) \$	1,170	\$	805
2020		(365)	1,170		805
2021		(365)	(1,163)		(1,528)
2022		(365)	(1,400)		(1,765)
2023		(44)	-		(44)
Thereafter		(43)	-		(43)
	\$	(1,547) \$	(223)	\$	(1,770)

Notes to Financial Statements (Dollars in Thousands)

Note 9. Postemployment Benefits Other Than Pensions (OPEB) (Continued)

Actuarial assumptions used for the year-ended June 30, 2018

For STRS Ohio the total OPEB liability in the June 30, 2017 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

STRS Ohio

Inflation 2.50 percent

Projected salary increases 12.50 percent at age 20 to 2.50 percent at age 65

Projected payroll increases 3.00 percent Blended discount rate of return 4.13 percent

Investment rate of return 7.45 percent, net of investment expenses, including inflation Health care cost trends 6.00 percent-11.00 percent initial, 4.50 percent ultimate

Cost-of-living adjustments (COLA) 0 percent effective July 1, 2017

For OPERS the total OPEB liability in the December 31, 2017 actuarial valuation was determined using the following actuarial assumptions, applied to all periods included in the measurement:

OPERS

Single discount rate 3.85 percent Investment rate of return 6.50 percent Municipal bond rate 3.31 percent Inflation 3.25 percent

Projected salary increases 3.25 percent to 10.75 percent (includes wage inflation)
Health care cost trends 7.50 percent initial, 3.25 percent ultimate in 2028

Mortality rates: For STRS Ohio 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.

OPERS pre-retirement mortality rates are based on RP-2014 Employees mortality table for males and females, adjusted for mortality improvement back to the observation period base of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates are based on the RP-2014 Healthy Annuitant Mortality tables for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Post-retirement mortality rates for disabled retirees are based on the RP-2014 Disabled mortality table for males and females, adjusted for mortality improvement back to the observation period base year of 2006. The base year for males and females was then established to be 2015 and 2010, respectively. Mortality rates for a particular calendar year are determined by applying the MP-2015 mortality improvement scale to all of the above described tables.

Note 9. Postemployment Benefits Other Than Pensions (OPEB) (Continued)

Investment return assumptions: STRS Ohio utilizes investment consultants to develop an estimated range for the investment return assumption based on the target allocation determined by the respective Retirement Board of STRS Ohio. The long-term expected rate of return on OPERS health care investment assets was determined using a building-block method in which best-estimate ranges of expected future real rates of return were developed for each major asset class. These ranges are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target allocation percentage, adjusted for inflation. The target allocation and best estimates of arithmetic real rates of return for each major asset class are summarized in the following table:

	STI	RS Ohio	OPERS					
		Long-Term Expected Target						
Asset Class	Target Allocation	Real Rate of Return	Allocation	of Return				
Domestic equities International equity Alternative investments Fixed income Real estate	28.00 % 23.00 17.00 21.00 10.00	7.35 % 7.55 7.09 3.00 6.00	21.00 % 22.00 - 34.00	6.37 % 7.88 - 1.88				
REITs	-	-	6.00	5.91				
Other	1.00	2.25	17.00	5.39				
Total	100.00 %		100.00 %	=				

Discount rate: The discount rate used to measure the total OPEB liability was 4.13 percent for STRS Ohio and 3.85 percent for OPERS. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current contribution rate and that no employer contributions will be made to the health care fund. Based on those assumptions, the OPERS health care fiduciary net position and future contributions were sufficient to finance health care costs through 2034. As a result, the long-term expected rate of return on health care investments was applied to projected costs through the year 2034, and the municipal bond rate was applied to all health care costs after that date. Based on those assumptions, the STRS Ohio OPEB plan's fiduciary net position was not projected to be sufficient to make all projected future benefit payments of current plan members. Therefore, a blended discount rate of 4.13 percent, which represents the long-term expected rate of return of 7.45 percent for the funded benefit payments and the Bond Buyer 20-year municipal bond rate of 3.58 percent for the unfunded benefit payments, was used to measure the total OPEB liability as of June 30, 2017.

The following presents the University's proportionate share of the STRS Ohio and OPERS net OPEB liability calculated using a discount rate 1 percent higher and 1 percent lower than the plans' current rate.

	Current 1% Decrease Discount Rate (3.13%) (4.13%)					6 Increase (5.13%)
STRS Ohio	\$	40,445	\$ 30,127		\$	21,972
	1%	Decrease		Current Discount Rate	1%	% Increase
	(2.85%)			(3.85%)	(4.85%)	
OPERS	\$	96.982	\$	72.999	\$	53.596

Note 9. Postemployment Benefits Other Than Pensions (OPEB) (Continued)

Sensitivity of net OPEB liability to changes in healthcare cost trend rates: The following presents the University's proportionate share of the STRS Ohio and OPERS net OPEB liability calculated using healthcare cost trend rates 1 percent higher and 1 percent lower than the plans' current rate.

		Current Health						
	1%	1% Decrease Care Cost Trend Rate 1%						
STRS Ohio	\$	20,931	\$	30,127	\$	42,231		
		Current Health						
	19	6 Decrease	Care C	Cost Trend Rate		1% Increase		
OPERS	\$	69,844	\$	72,999	\$	76,257		

OPEB plan fiduciary net position: Detailed information about the OPEB plans' fiduciary net position is available in the separately issued STRS Ohio and OPERS financial report.

Note 10. Related Organization

The Miami University Foundation (the Foundation) is a separate not-for-profit entity organized for the purpose of promoting educational and research activities of the University. Since the resources held by the Foundation can be used only by and for the benefit of the University, the Foundation is considered a component unit of the University and is discretely presented in the University's financial statements.

The Foundation board is comprised of at least fifteen directors that are elected by the Board and eight directors that are appointed by Miami University. At least two-thirds of the elected directors are required to be alumni or former students of Miami University. The Foundation issues reports using standards issued by the Financial Accounting Standards Board.

Amounts received by the University from the Foundation are restricted and are included in gifts in the accompanying financial statements. The Foundation values its investments at fair value.

Summary financial information for the Foundation as of June 30, 2018, the date of its most recent audited financial report, is as follows:

	Uni	restricted	-	Temporarily Restricted	ermanently Restricted	Total
Net assets at end of year	\$	624	\$	128,722	\$ 222,824	\$ 352,170
Change in net assets for the year		(333)		16	13,104	12,787
Distributions to Miami University		18,181		-	-	18,181

Cash and cash equivalents: Cash and cash equivalents consists primarily of cash in banks, money market accounts, and the State Treasury Asset Reserve of Ohio (STAR Ohio and STAR Plus) that include short-term, highly liquid investments readily convertible to cash, with an original maturity of three months or less. The Foundation maintains active relationships with multiple cash equivalent accounts to reduce its exposure to custodial credit risk at any single institution. The carrying amounts of these items are a reasonable estimate of their fair value.

Notes to Financial Statements (Dollars in Thousands)

Note 10. Related Organization (Continued)

Investments: Investments that are market traded, such as equity and debt securities and mutual funds, are recorded at fair value based primarily on quoted market prices, as established by the major securities markets. The value of holdings of commingled funds investing in publicly traded stocks and bonds that do not have a readily determined market value for fund units is based on the funds' net asset value as supplied by the investment manager's administrator. The values are reviewed and evaluated by Foundation management. Investments in real estate are recorded at appraised value at the date of donation. The issuing insurance companies determine the cash surrender value of the life insurance policies annually.

Market prices are not available for certain investments. These investments are carried at estimated fair value provided by the funds' management. Some valuations are determined as of June 30, while the remaining valuations are determined based on March 31 information when June 30 information is not yet available, and adjusted by cash receipts, cash disbursements, and securities distributions through June 30. The Foundation believes that the carrying amounts are reasonable estimates of fair value as of year-end. Because these investments are not readily marketable, the estimated value is subject to uncertainty and, therefore, may differ from the value that would have been used had a ready market for the investments existed. Such differences could be material. The amount of gain or loss associated with these investments is reflected in the accompanying financial statements using the equity method of accounting.

All donor-restricted endowment investments and unrestricted board-designated endowments are managed in a unitized investment pool (Pooled Funds), unless donor-restricted endowment gift agreements require that they be held separately. For the Pooled Funds, the fair value of the investments is determined at the end of each quarter and the incremental fair value increase or decrease is allocated to the individual fund accounts based on the number of shares the fund owns at the beginning of the quarter.

Investment income is recorded on the accrual basis and purchases and sales of investments are recorded on a trade-date basis. Investment transactions occurring on or before June 30, which settle after such date, are recorded as receivables or payables. Net dividend and interest income as well as gains/losses are allocated based on the number of shares owned.

Long-term investments: Investments held by the Foundation as of June 30, 2018 were:

	F	air Value
Investment description:		_
Domestic public equities	\$	19,604
Global public equities		200,040
International public equities		27,396
Domestic debt		55,113
Global debt		11,949
Hedge funds		58,961
Limited partnerships, non-public equities and separately held mutual funds		91,053
Other		2,093
Split-Interest funds:		
Charitable remainder trusts		10,049
Charitable gift annuities		2,297
Pooled income funds		574
Total	\$	479,129

Notes to Financial Statements (Dollars in Thousands)

Note 10. Related Organization (Continued)

The Foundation maintains a diversified investment portfolio for the Pooled Funds, intended to reduce market risk, credit risk, and interest rate risk with a strategy designed to take advantage of market inefficiencies. The Foundation's investment objectives are guided by its asset allocation policy and are achieved in partnership with external investment managers operating through a variety of investment vehicles including separate accounts, limited partnerships, and commingled funds. The Foundation's investment portfolio includes publicly traded securities. As a result, a significant downturn in the securities markets could adversely affect the market value of Foundation assets. As of June 30, 2018, the Foundation has made commitments to limited partnerships of approximately \$54,000, that have not yet been funded, some of which management expects may not be called by the partnerships due to the lifecycle of the respective partnerships.

The 2018 dividend and interest income of \$4,445, is net of fees from external investment managers totaling \$284 for June 30, 2018.

Fair value measurements: The Foundation uses fair value measurements to record fair value adjustments to certain assets and liabilities and to determine fair value disclosures. Subsequent changes in fair value are recorded as an adjustment to earnings.

Pledges receivable: As of June 30, 2018, contributors to the Foundation have made unconditional pledges totaling \$34,372 with one pledge accounting for over 47 percent of that total. Net pledges receivable have been discounted using rates commensurate with the risks involved to a net present value of \$32,984 at June 30, 2018. Discount rates ranged from 1.20 percent to 3.40 percent. Management has set up an allowance for uncollectible pledges of \$1,725 at June 30, 2018. All pledges have been classified as temporarily restricted net assets since they will either expire or be fulfilled within a specified time or donor imposed stipulations.

The Foundation had also been notified of revocable pledges, bequests, and other indications of intentions to give. These potential contributions are not permitted to be recorded as they are deemed intentions to give and not promises to give.

Split-interest agreements: The Foundation's split-interest agreements with donors consist primarily of charitable gift annuities, pooled income funds and irrevocable charitable remainder trusts for which the Foundation serves as trustee. Assets are invested and payments are made to donors and/or other beneficiaries in accordance with the respective agreements. Assets held for these agreements are included in investments.

Endowment: UPMIFA provides statutory guidelines for prudent management, investment, and expenditure of donor-restricted endowment funds held by charitable organizations.

The Foundation's interpretation of its fiduciary responsibilities for donor-restricted endowments under UPMIFA requirements, barring the existence of any donor-specific provisions, is to preserve intergenerational equity to the extent possible and to produce maximum total return without assuming inappropriate risks. The investment policies governing these funds look beyond short-term fluctuations in economic cycles toward an investment philosophy that provides the best total return over very long time periods.

UPMIFA specifies that unless stated otherwise in the gift agreement, donor-restricted assets in an endowment fund are restricted assets until appropriated for expenditure by the institution. Barring the existence of specific donor instruction, the Foundation's policy is to report (a) the historical value for such endowment as permanently restricted net assets and (b) the net accumulated appreciation as temporarily restricted net assets. In this context, historical value represents (a) the original value of initial gifts restricted as permanent endowments plus (b) the original value of subsequent gifts along with (c) if applicable, the value of accumulations made in accordance with specific donor instruction.

Notes to Financial Statements (Dollars in Thousands)

Note 10. Related Organization (Continued)

From time to time, the fair value of assets associated with donor-restricted endowment funds may fall below the level that the donor or UPMIFA requires the Foundation to retain as a fund of perpetual duration. In accordance with GAAP, deficiencies of this nature are reported as unrestricted net assets until such time as the fair value equals or exceeds historical value. There were no such deficiencies of this nature as of June 30, 2018.

Net asset classification: Resources of the Foundation are classified for reporting purposes into net asset classes based on the existence or absence of donor-imposed restrictions and state law. Unrestricted net assets represent the portion of funds over which the Foundation has discretionary control as there are no donor-imposed purposes or time restrictions on how the funds may be spent. Temporarily restricted net assets are limited as to use by donor-imposed stipulations that expire with the passage of time or the incurrence of expenditures that fulfill the donor-imposed restrictions. These net assets are primarily restricted for student pledges, split-interest agreements, and board-designated endowment funds; such funds are primarily restricted for student financial aid, educational and research activities, and capital improvements for the University. Expirations of restrictions on net assets, i.e., the passage of time and/or fulfilling donor-imposed stipulations, are reported as net assets released from restrictions between the applicable classes of net assets in the statement of activities. Permanently restricted net assets, or endowment funds, represent amounts received from donors with the restriction that the principal is invested in perpetuity. Generally, the donors of these assets permit the Foundation to transfer a portion of the income earned on related investments to the University for such purpose as specified by the donor.

The Foundation issues separate financial statements. Copies of these reports may be obtained from Treasury Services, 107 Roudebush Hall, Miami University, Oxford, Ohio, 45056.

Note 11. Commitments

At June 30, 2018, the University is committed to future contractual obligations for capital expenditures of approximately \$114,700. These commitments are being funded from the following sources:

Contractual obligations:

Approved state appropriations not expended	\$ 6,804
University funds and bond proceeds	 107,852
Total	\$ 114,656

Notes to Financial Statements (Dollars in Thousands)

Note 12. Risk Management

The University's employee health insurance program is a self-insured plan. Administration of the plan is provided by United Medical Resources, a United Healthcare company. Employees are offered two plan options, a Traditional PPO Plan or a High Deductible Health Plan with a Health Savings Account.

Health insurance claims are accrued based upon estimates of the claims liabilities. These estimates are based on past experience, current claims outstanding, and medical inflation trends. As a result, the actual claims experience may differ from the estimate. An estimate of claims incurred but not reported in the amount of \$2,512 is included in the accrued salaries and wages as of June 30, 2018. The change in the total liability for actual and estimated claims is summarized below at June 30:

		2018		2017
I I I I I I I I I I I I I I I I I I I	Φ.	0.000	Φ.	0.000
Liability at beginning of year	\$	2,369	\$	2,888
Claims incurred		38,441		33,175
Claims paid		(38,352)		(33,186)
Change in estimated claims incurred but not reported		512		(508)
Liability at end of year	\$	2,970	\$	2,369

To reduce potential loss exposure, the University has established a reserve for health insurance stabilization of \$15.0 million.

The University participates in a consortium with all other Ohio state-assisted universities (excluding The Ohio State University) for the acquisition of commercial property and liability insurance. The name of the consortium is the IUC-Risk Management & Insurance Consortium. The commercial property program's loss limit is \$1.75 billion and the general/auto liability loss limit is \$50 million. The property insurance program has been in place for 23 years during which time Miami University has had two material losses above the insurance policy deductible of \$350,000. The property pool deductible for individual universities is \$100,000. The liability program has been in place for 18 years during which time Miami University has had three losses above the pool deductible. The current self-insured retention for the liability program is \$1 million. The educator's legal liability loss limit is \$50 million. The University also participates with the other consortium universities for the purchase of commercial insurance for other risks.

The State of Ohio self-insures worker's compensation benefits for all state employees, including University employees. Under the direction of the Ohio Bureau of Worker's Compensation and the University, Careworks and Sheakley UniComp, Inc. assist in the administration and disposition of worker's compensation claims.

Note 13. Contingencies

The University receives grants and contracts from certain federal, state, and local agencies to fund research and other activities. The costs, both direct and indirect, that have been charged to the grants or contracts are subject to examination and approval by the granting agency. It is the opinion of the University's administration that any disallowance or adjustment of such costs would not have a material effect on the financial statements.

The University is presently involved as a defendant or codefendant in various matters of litigation. The University's administration believes that the ultimate disposition of any of these matters would not have a material adverse effect upon the financial condition of the University.

Supplementary Information

Retirement Plan Data Years Ended June 30, 2018, 2017, 2016 and 2015 (In Thousands)

		STRS		OPERS		OPERS
For the Year Ended June 30, 2018		Ohio		Traditional		Combined
University's proportion of the net pension liability (asset)		0.772173%		0.663383%		0.684872%
University's proportionate share of the net pension liability (asset)	\$	183,431	\$	104,072	\$	(932)
University's covered-employee payroll	Ψ	74,262	Ψ	89,066	Ψ	2,774
University's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll		247.01%		116.85%		-33.60%
Plan fiduciary net position as a percentage of the total pension liability		75.30%		84.66%		137.28%
For the Year Ended June 30, 2017						
University's proportion of the net pension liability (asset)		0.762848%		0.664940%		0.665441%
University's proportionate share of the net pension liability (asset)	\$	255,348	\$	150,997	\$	(370)
University's covered-employee payroll	Ψ	255,348 71,889		86,004	Ψ	2,679
University's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll		355.20%		175.57%		-13.81%
Plan fiduciary net position as a percentage of the total pension liability		66.80%		77.25%		116.55%
For the Year Ended June 30, 2016						
University's proportion of the net pension liability (asset)		0.750872%		0.651198%		0.664254%
University's proportionate share of the net pension liability (asset)	\$	207,519	\$	112,796	\$	(323)
University's covered-employee payroll	Ψ	67,969	Ψ	83,037	Ψ	2,475
University's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll		305.31%		135.84%		-13.05%
Plan fiduciary net position as a percentage of the total pension liability		72.10%		81.08%		116.90%
For the Year Ended June 30, 2015						
University's proportion of the net pension liability (asset)		0.718940%		0.662272%		0.650661%
University's proportionate share of the net pension liability (asset)	\$	174,871	\$	79,877	\$	(251)
University's covered-employee payroll	~	67,064	Ψ	80,131	4	2,327
University's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll		260.75%		99.68%		-10.79%
Plan fiduciary net position as a percentage of the total pension liability		74.70%		86.45%		114.83%

Note: The University has presented as many years as information is available.

(Continued)

Retirement Plan Data (Continued) Year Ended June 30, 2018 (In Thousands)

,					ST	RS Ohio				
	1	ontractually Required ontribution	Rela Col	tributions in ation to the ntractually Required ontribution	De	ntribution eficiency Excess)		niversity's Covered- loyee Payroll	Contributions as a Percentage of Covered- Employee Payroll	
2009	\$	8,903	\$	8,903	\$	_	\$	68,482	13.0%	
2010	•	8,609	*	8,609	*	-	•	66,222	13.0%	
2011		8,415		8,415		_		64,727	13.0%	
2012		8,195		8,195		_		63,038	13.0%	
2013		8,095		8,095		-		62,272	13.0%	
2014		8,218		8,218		-		63,215	13.0%	
2015		8,718		8,718		-		67,064	13.0%	
2016		9,516		9,516		-		67,969	14.0%	
2017		10,064		10,064		-		71,889	14.0%	
2018		10,397		10,397		-		74,262	14.0%	
	OPERS Traditional, Combined and Member-Directed									
	1	ontractually Required ontribution	Rela Cor F	tributions in ation to the ntractually Required ontribution	De	ntribution eficiency Excess)		niversity's Covered- loyee Payroll	Contributions as a Percentage of Covered- Employee Payroll	
2009	\$	6,807	\$	6,807	\$	-	\$	95,880	7.1%	
2010		7,641		7,641		-		87,443	8.7%	
2011		8,035		8,035		-		84,585	9.5%	
2012		8,492		8,492		-		84,266	10.1%	
2013		9,853		9,853		-		85,101	11.6%	
2014		11,458		11,458		-		87,598	13.1%	
2015		10,925		10,925		-		86,845	12.6%	
2016		10,877		10,877		-		90,034	12.1%	
2017		11,778		11,778		-		93,543	12.6%	
2018		13,180		13,180		-		96,874	13.6%	

OPEB Plan Data Years Ended June 30, 2018 (In Thousands)

For the year ended June 30, 2018								STRS Ohio		OPERS
University's proportion of the net OPEB liability								0.772173%		0.672220%
University's proportionate share of the net OPEB liability							\$	30,127	\$	72,999
University's covered-employee payroll								74,262		96,874
University's proportionate share of the net OPEB liability as a percentage of its covered-employee payroll								40.57%		75.35%
Plan fiduciary net position as a percentage of the total OPEB liability								47.10%		54.14%
						STRS Ohio				
	R	itractually equired ntribution	Rela Cor R	ributions in ation to the ntractually equired ntribution		Contribution Deficiency (Excess)		Jniversity's Covered- ployee Payroll	Pe	tributions as a ercentage of Covered- ployee Payroll
2009	\$	685	\$	685	\$	_	\$	68,482		1.0%
2010	·	662	·	662	·	-	·	66,222		1.0%
2011		647		647		-		64,727		1.0%
2012		630		630		-		63,038		1.0%
2013		623		623		-		62,272		1.0%
2014		632		632		-		63,215		1.0%
2015		671		671		-		67,064		1.0%
2016		-		-		-		67,969		0.0%
2017		-		-		-		71,889		0.0%
2018		-		-		-		74,262		0.0%
			OPER	S Tradition	ıal,	Combined and	d Me	mber-Directe	d	
				ributions in					0	4
	Con	tractually		ation to the		Contribution		Jniversity's		tributions as a ercentage of
	R	equired	R	equired		Deficiency		Covered-		Covered-
	Coi	ntribution	Со	ntribution		(Excess)	Em	ployee Payroll	Em	oloyee Payroll
2009	\$	6,673	\$	6,673	\$	-	\$	95,880		7.0%
2010		4,663		4,663		-		87,443		5.3%
2011		3,807		3,807		-		84,585		4.5%
2012		3,371		3,371		-		84,266		4.0%
2013		2,129		2,129		=		85,101		2.5%
2014		876		876		-		87,598		1.0%
2015		1,302		1,302		-		86,845		1.5%
2016 2017		1,801		1,801 1,403		-		90,034		2.0% 1.5%
2017		1,403 474		474		-		93,543 96,874		
2010		4/4		4/4		-		90,874		0.5%

Note: The University has presented as many years as information is available.

Notes to Required Retirement Plan Data Year Ended June 30, 2018

Changes to benefit terms: Effective July 1, 2017, the Cost of Living Adjustment (COLA) was reduced to zero for STRS Ohio.

Changes of assumptions: The Retirement Board of STRS Ohio approved several changes to the actuarial assumptions in 2017. The long term expected rate of return was reduced from 7.75% to 7.45%, the inflation assumption was lowered from 2.75% to 2.50%, the payroll growth assumption was lowered to 3.00%, 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% 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.

Uniform Guidance Requirements



Federal Grantor/Pass-Through Grantor/Program or Cluster Title	Federal CFDA Number	Pass-Through Entity Identifying Number	Provided to Subrecipients	Total Federal Expenditures
STUDENT FINANCIAL ASSISTANCE CLUSTER				
U.S. Department of Education:				
Supplemental Educational Opportunities Grant Program	84.007	N/A	\$ -	\$ 759,598
College Work Study Program Federal Funds 17/18 Federal Perkins Loan Program	84.033 84.038	N/A N/A	-	491,697
Loans outstanding at the beginning of the year	04.030	IN/A		6,340,150
Loans made during the year			-	603,220
Total Federal Perkins Loan Program			-	6,943,370
Total redetal retkins Loan Flogram			-	0,943,370
Federal PELL Grant Program	84.063	N/A	_	15,535,463
Federal Direct Student Loam Program	84.268	N/A	_	78,882,685
TEACH Grant Program	84.379	N/A		1,100,233
Total U.S. Department of Education			-	103,713,046
Total Student Financial Assistance Cluster			_	103,713,046
				,,
RESEARCH AND DEVELOPMENT CLUSTER				
U.S. Department of Agriculture:				
Using NMR Metabolomics to Examine the Role of Anaerobic Soil Disingection in Promoting Disease Resistance in Vegetable Crops	10.XXX	N/A		(1,100)
CRP Land Management and Pollinator Health	10.25	N/A	41,453	65,083
Educating from the Ground Up: Promoting Integrated and Experiential Learning for Resilient	10.20	14/7	41,400	00,000
Food Systems at Miami University	10.326	N/A	-	86,116
Evaluation of Educating from the Ground Up: Promoting Integrated and Experiential Learning for				
Resilient Food Systems at Miami University	10.326	N/A		8,166
Total U.S. Department of Agriculture			41,453	158,265
HO December of CD forms				
U.S. Department of Defense:				
Imaging Urothelial Integrity with Contrast-Sensitive Optical Coherence Tomography for Diagnosis of Interstitial Cystitis	12.42	N/A		12,385
Summer Undergraduate Mathematical Sciences Research Institute (SUMSRI) 2018 and 2019	12.901	N/A	-	23,493
•	12.501	N/A	_	20,400
Complete Reductive Defluorination of Poly- and Perfluoroalkyl Substances (PFASs) by Hydrated				
Electrons Generated From 3-Indole-Acetic-Acid in Chitosan-Modified Montmorillonite	12.XXX	N/A	-	521
Software-Defined Multi-Functional LPI/LPD Adaptive Radar for Network-Centric Applications				
· · · · · · · · · · · · · · · · · · ·	12.XXX	N/A		80,311
Total U.S. Department of Defense Direct Programs				116,710
Dana Thuasinh Dramana Franci				
Pass-Through Programs From: MacB: Electronic Warfare Receiver Design in Co-Channel Low SNR Environments	12.XXX	402772		16,776
UTC: Research and Development of Advanced Propulsion-Driven Technologies	12.XXX	402810	-	182
Denver Research Institute: Interoceptive Deficits and Suicidality	12.42	402985	-	40,250
DAGSI: Reliable Fabrication and Testing of 3D Printed High Aspect Ratio Wings for				•
Aeroservoelastic Optimization and Control Studies	12.8	402953	-	13,858
UTC: Research and Development of Advanced Propulsion-Driven Technologies: Cold Start				
Capability Improvement	12.8	402942	-	7,086
JRM: Development of Lightmap Rendering Technology to Advance Infrared Simulation	12.8	403014		26,652
Capabilities for Training Applications Total U.S. Department of Defense Pass-Through Programs	12.0	403014		104,804
Total C.C. Department of Defende 1 add 1 mought 1 ograms				104,004
Total U.S. Department of Defense				221,514
U.S. Department of the Interior:				
Improved Characterization of Slow Slip in Cascadia by Stacking GPS on Tremor Times:				
Collaborative Research with University of Alask-Fairbanks and Miami University	15.807	N/A	_	19,017
Discerning and Characterizing Induced Seismicity in Texas Using Multistaton Template Matching				
	15.807	N/A	-	20,455
Investigating Induced Seismicity Associated with Hydraulic Fracture Stimulations in Oklahoma	15.807	N/A	-	44,758
Using Landscape-Scale Spatial Models it Identify Habitat for Restoration and Reintroduction of				
Imperiled Flatwoods Salamanders	15.808	N/A	-	28,825
Acid Precipitation Monitoring Site OH 99 Total U.S. Deparment of the Interior Direct Programs	15.808	N/A		5,470 118,525
•				
Pass-Through Programs From:				
Arkansas State Game & Fish Commission: Continued Funding for Conservation Genetics of				
Lampsilis Powellii	15.615	460390	-	16,218
NMDGF: Conservation Biology of New Mexico Aquatic Invertebrates	15.615	460392	-	32,764
KWA: Conservation Genetics of the Orange-Foot Pimpleback (Plethobasus Cooperianus)	15.657	460388		25,190
Total U.S. Deparment of the Interior Pass-Through Programs				74,172
Total U.S. Department of the Interior				192,697
rotar o.o. Department of the interior				192,097

Federal Grantor/Pass-Through Grantor/Program or Cluster Title	Federal CFDA Number	Pass-Through Entity Identifying Number	Provided to Subrecipients	Total Federal Expenditures
U.S. Department of Justice:				
Pass-Through Programs From:				
NIJ: Development of a Novel Human Materials Hyperspectral Remote Sensing Tool for				
Forensic Investigations and Operations for US Law Enforcement	16.56	460386	\$ -	\$ 142,682
U.S. Department of Labor:				
Pass-Through Programs From:				
ODA: Ohio's Combined WIOA Plan: Identifying Strategies and Supports to Improve Outcomes				
for Older Workers Phase Three	17.235	402859		(361)
U.S. Department of Transportation:				
Pass-Through Programs From:				
NHTSA-ODPS FFY17 Project Completion	20.6	470630	-	43,543
NHTSA: Ohio Department of Public Safety: Telephone Survey of Sealt Belt Use, Alcohol-				
Impaired and Distracted Driving FFY17	20.6	470623	-	69,817
NHTSA: Ohio Department of Public Safety: FFY-17 Observation Study	20.616	470622		79,123
Total U.S. Department of Transportation			-	192,483
National Aeronautics & Space Administration:				
Land-cover/Land-use Change in Southern Vietnam Through the Lenses of Conflict, Religion, and				= ===
Politics, 1980s to Present	43.001	N/A	-	5,580
Pass-Through Programs From:				
University of Houston: The Search for Nebular Heterogeneity and the Compositions of Terrestrial				
Planetary Materials Usign Nd, Sm and Os Isotopes	43.001	N/A	-	9,531
Total National Aeronautics and Space Administration				15,111
National Endowment for the Arts:				
Coral in Early American Literature, Science, and Culture	45.16	N/A	-	50,399
Pass-Through Programs From:				
OHC: Austin-Magie Farm and Mill District Oxford, Ohio: Digital Humanities Map & Learning				
Resources	45.129	N/A		3,000
Total National Endowment for the Arts				53,399
Institute of Museum and Library Services: Building the Scholars Dashboard: Recipes for on-demand Digital Scholarship Infrastructure	45.312	N/A	-	7,365
National Science Foundation:	47.044	NI/A		00.007
A Preliminary Investigation of a Social Cognitive Intervention in Early Courses	47.041 47.049	N/A N/A	-	88,937
Polarization Quantum Beat Spectroscopy in Diatomic Molecules Time-Resolved Spectroscopic Study of Diatomic Molecular Sodium	47.049 47.049	N/A N/A	-	1,182 84,412
Probing Substrate/Inhibitor to Metalloenzymes Using EPR	47.049	N/A	-	105,829
REU Site: Summer Undergraduate Research in Chemistry and Biochemistry at Miami University				
On Three Different Manifestations of Instability of Fronts in Parabolic and Partially Parabolic	47.049	N/A	-	80,398
Systems	47.049	N/A	-	322
Ortho-Phenylenes in Complex Foldamer Architectures	47.049	N/A	-	126,913
External Problems for Sparse Hypergraphs and Graphs	47.049	N/A	-	5,131
Large Cardinals and Small Sets	47.049	N/A	-	34,890
Travel Support for the Thematic Program in Strong Logics	47.049	N/A	-	(1,710)
MRI: Acquisition of a Pulsed EPR Spectrometer	47.049	N/A	-	593,640
Investigating Membrane Proteins with Magnetic Resonance Spectroscopy	47.049	N/A	-	441
Does Proximity of Hydraulic Fracturing and Wastewater Disposal to Basement Increase the	47.05	N/A		00.004
Likelihood of Induced Seismicity in the Central and Eastern US? Collaborative Research: Nitrate Reduction by Redox-Modified Fe-Bearing Clay Minerals	47.05 47.05	N/A N/A	-	99,824 25,539
Collaborative Nesearch. Militate Reduction by Redux-Modified Fe-Dealing City Militerals	47.00	IN/A	-	20,039

Federal Grantor/Pass-Through Grantor/Program or Cluster Title	Federal CFDA Number	Pass-Through Entity Identifying Number	Provided to Subrecipients	Total Federal Expenditures
Collaborative Research: The Role of Phyllosilicate Minerals in mediating the Temperature				
Sensitivity of Soil Organic Matter Decomposition	47.05	N/A	\$ -	\$ 40.740
Collaborative Research: ACACIA: Ancient Climate and the Authigenic Clay Index of Aridity Collaborative Research: Winter Survival Mechanisms and Adaptive Genetic Variation in an	47.05	N/A	-	4,579
Antarctic Insect Collaborative Research: Development and Calibration of the Oxygen Isotope Systematics of Small	47.05	N/A	-	105,567
Terrestrial Gastropods	47.05	N/A	-	13,134
Collaborative Research: The Evolutionary Significance of Biotic Interactions: A Comparative Study Utilizing Echinoid Associated Traces	47.05	N/A	-	40,157
Collaborative Research: Mesozoic Tethyan Paleocommunity Dynamics: Modeling Complexity and Stability During Times of Biotic Escalation and Community Restructuring	47.05	N/A	-	24,660
Origin & Eruptive History of Quaternary Volcanism in Nosy Be and Itasy-Askaratra, Madagascar	47.05	N/A	-	82,091
Realistic Navigation in the Third Dimension Using Low Cost, Portable, Wearable Immersive Virtual				
Environment Systems	47.07	N/A	-	62,635
REU Site: Ecology in Human-Dominated Landscapes	47.074	N/A	-	108,010
Neuromodulatory Control of switching between SIngle and Dual Oscillatory Network States	47.074	N/A	-	18,082
Collaborative Research: Nutrient Co-limitation in Young and Mature Hardwood Forests	47.074	N/A	-	(5,588)
CAREER: Protein Quality Control at the Membrane Does a Large Detritus Pool Enhance Ecosystem Resilience in Response to an Episodic	47.074	N/A	-	264,831
Perturbation?	47.074	N/A	-	54
MRI: Acquisition of a Fluorescence Activated Cell Sorting System to Expand Synergistic Research and educational Opportunities	47.074	N/A	_	253,528
Control of Lipid Metabolism and Muscle Hypertrophy by PPARs in Gray Catbird Annual Life Cycle				233,320
	47.074	N/A	-	(35,154)
Lobes or Gills, Exploring the Origin of Insect Wings LTREB Renewal: Response of a Reservoir Ecosystem to Declining Subsides of Nutrients and	47.074	N/A	-	160,129
Detritus	47.074	N/A	-	44,890
Collaborative Research: LTREB: Will Increases in Dissolved Organic Matter Accelerate a Shift in				
Trophic Status Through Anoxia-Driven Positive Feedbacks in an Oligotrophic Lake?	47.074	N/A	-	8,844
Breath of Life Archival Institute for Indigenous Languages	47.075	N/A	21,783	115,537
Collaborative Research: Social Exclusion as a Determinant of Individuation and Stereotyping National Science Foundation: The Face of Humanity: Configural Face Processing and	47.075	N/A	-	18,498
Dehumanization	47.075	N/A	56,384	152,097
Response Dynamics in Decision Making	47.075	N/A	-	32,448
Evaluation of Breath of Life Archival Institute for Indigenous Languages	47.075	N/A	_	16,822
Miami University Robert Noyce Scholars Program	47.076	N/A	-	45,133
Developing Assessments for Core Chemistry Concepts: Measuring Student Understanding of	47.076	N/A		250,689
Multiple External Representations through Cluster Analysis			-	
Staying in STEM: Examining Communal Goal Congruity Processes in the Retention of Women Collaborative Research: Engaged Student Learning - Design and Development Level II: Using a	47.076	N/A	-	20,710
Cyberlegarning Environment to Improve Student Learning and Engagement in Software Courses	47.076	N/A	_	35,211
Electronics and Computing Service Scholars	47.076	N/A	-	139,249
Graduate Research Fellowship Program (GRFP)	47.076	N/A	-	84,307
Evaluation of Further Development and Testing of the Target Inquiry Model for Middle and High	47.070			00.040
School Science Teacher Professional Development	47.076	N/A	-	22,610
Evaluation of Electronics and Computing Service Scholars	47.076	N/A	-	4,304
Evaluation of Miami University Robert Noyce Scholars Program Collaborative Research: Further Development and Testing of the Target Inquiry Model for Middle	47.076	N/A	-	17,001
and High School Science Teacher Professional Development	47.076	N/A		82,868
Total National Science Foundation Direct Programs			78,167	3,474,421
Pass-Through Programs From:				
Cornell University: Evaluation of the Center for Bright Beams Indiana University: SCF: EXP: Canine-Inspired Smart Sensor for Detecting Hypoglycemia from	47.049	402862	-	28,255
Human Breath	47.07	402848	-	4,129
Michigan State University: Evaluation of CS10K- Leading the Way to CS10K: Assessing a Just-in-				
Time Professional Development Approach for Teacher Knowledge Growth in Computer Science	47.07	402489	-	1,957
Cary Institute of Ecosystems Studies: LTER: Long-Term Ecological Research at the Hubbard Brook Experimental Forest	47.074	402705	-	20,396
Cary Institute of Ecosystem Studies:LTER: Long-Term Ecological Research at the Hubbard				•
Brook Experimental Forest Cornell University: Digitization TCN: Collaborative: The Microfungi Collections Consortium: A	47.074	402874	-	6,253
Networked Approach to Digitizing Small Fungi with Large Impacts on the Function and Health of Ecosystems	47.074	402606	-	11,443
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Federal Grantor/Pass-Through Grantor/Program or Cluster Title	Federal CFDA Number	Pass-Through Entity Identifying Number	Provided to Subrecipients	Total Federal Expenditures
OSU: Unlocking Microbial Condensed Tannin Resistance Mechanisms: Scaling From Enzymes	47.074	40000	•	
to Biomes (NSF-OSU Hagerman)	47.074	403020	\$ -	\$ 8,421
University at Buffalo: Evaluation of Biology with X-Ray Lasers	47.074	402324	-	125,932
University of Colorado Boulder: LTER: Ecosystem Response to Amplified Lnadscape				
Connectivity in the McMurdo Dry Valleys, Antarctica	47.074	402896	-	41,078
University of Illinois: Genomic Mechanisms of Domesticating a Y Chromosome in Papaya	47.074	402803	-	30,108
University of Michigan: Using Natural History Museum Collections to Document the Occurrence				
Through Space and Time of Aquatic Non-Indigenous Fish, Mollusks, Algae, and Plants	47.074	100501		
Threatening North America's Great Lakes	47.074	402501	-	2,022
Ashland University: Evaluation of Science Scholars Program: Opening the Science Career	47.070	400050		0.070
Pipeline Through Enhanced Engagement and Support	47.076	402853	-	2,378
Columbus State Community College: Next Generation Multi-Craft Manufacturing Support				
Technician Evaluation 2014-17	47.076	470601	-	5,860
Kent State University: Evaluation of Kent State University NOYCE Scholars Program	47.076	402077	-	5,664
ONU: Ohio Northern University NOYCE Scholars Program	47.076	403025	-	1,654
Ohio State University: Ohio LSAMP Consortium	47.076	402860	-	11,000
Ohio State University: Ohio LSAMP Consortium	47.076	402790	-	20,960
Ohio State University: Ohio LSAMP Consortium	47.076	402935	-	55,921
Purdue University: Building and Broadening Understanding of Engineering Practices Among				
Elementary Presevice Teachers	47.076	402797	-	38,599
University of Cincinnati: Evaluation of University of Cincinnati MSP (CEEMS)	47.076	402650	-	20,829
UC: Evaluation of Leadership, Empowerment, and Advancement for STEM Women Faculty				
(LEAF) at Univ Cincinnati	47.076	402201	-	26,056
UC: Evaluation of STEM in the Playscape: Building Knowledge for Educational Practice	47.076	402687	-	20,139
University of Buffalo: Evaluation of Targeted MSP: The University at Buffalo/Buffalo Public				
Schools (UB/BPS) Interdisciplinary Science and Engineering Partnership	47.076	402057	-	68,318
University at Buffalo: Evaluation of Geotechnology Experiences for Students and Teachers				
(GTEST)	47.076	402852	-	26,818
University of Georgia: Collective Argumentation Learning and Coding (CALC)	47.076	402937	-	16,590
University of Nevada Las Vegas: PIRE: Toward a Holistic and Global Understanding of Hot				
Springs Ecosystems: A US-China based International Collaboration	47.079	401925		33,390
Total National Science Foundation Pass-Through Programs				634,170
Total National Science Foundation			78,167	4,108,591
U. S. Environmental Protection Agency:				
Keratin-based Adsorbent Incorporated Into Sand Filters: A Sustainable Drinking Water System	66.516	N/A	_	7.249
Notatin based Adsorbent most porated line sunt 1 liters. A sustainable Difficulty value System	00.010	14/7		1,240
Pass-Through Programs From:				
Amec Foster Wheeler: Operation of the US EPA Dry Deposition Network Station at Miami				
University	66.XXX	N/A		3,095
Total U. S. Environmental Protection Agency				10,344
U.S. Department of Energy:				
Thylakoid Assembly and Folded Protein Transport by the Chloroplast Twin Arginine Translocation				
(cpTat)Pathway	81.049	N/A	_	121,206
Dissipative Assembly of Carboxylic Acid Anhydrides for Nonequilibrium Systems Chemistry	81.049	N/A	-	142
Dissipative Assembly of Carboxylic Acid Antiyundes for Nonequilibrium Systems Chemistry	01.049	IN/A		142
Total II S. Danastment of Energy				101 240
Total U.S. Department of Energy			-	121,348

Federal Grantor/Pass-Through Grantor/Program or Cluster Title	Federal CFDA Number	Pass-Through Entity Identifying Number	Provided to Subrecipients	Total Federal Expenditures
U.S. Department of Education: Miami University Regional Campuses Student Support Services Program	84.042	N/A	\$ -	\$ 236,445
A Mixed-Methods Study of Middle-Aged and Older Adults: Lifelong Learning, Skill Proficiencies, and Employment in the U.S. and Selected OECD Countries	84.305	N/A	107,973	273,845
Mapping Barriers to Community College Completion Among Older Learners: Identifying Malleable Factors to Improve Student Outcomes	84.305	N/A	183,900	425,965
Total U.S. Department of Education Direct Programs			291,873	936,255
Pass-Through Programs From: University of Minnesota: Regional Campuses Participation in Retention Study	84.051	460292	_	1,084
Ohio Department of Education: Positive Transformations for Ohio Schools: Building Statewide Positive Supports	84.184	402503	_	96,118
Total U.S. Department of Education Pass-Through Programs	04.104	402000	-	97,202
Total U.S. Department of Education			291,873	1,033,457
U.S. Department of Health & Human Services:				
Strategies to Accommodate Reading in Aphasia: Using Assistive Technology to Support Reading by eople with Aphasia	93.173	N/A	16,746	36,086
Parenting, Physiological Reactivity, and Neural Markers of Anxiety in Kindergarteners	93.242	N/A	-	29,826
Text Message Support to Prevent Smoking Relapse in Community Treatment Settings	93.279	N/A	13,940	156,343
Fighting with Food: Battling Chemical Toxicity with Good Nutrition	93.389	N/A	-	93,554
Evaluation of Fighting with Food: Battling Chemical Toxicity with Good Nutrition	93.389	N/A	-	25,581
Nuclear Organization During Adenovirus Infection	93.393	N/A	-	115,742
Biological/Synthetic Scaffolds for Bone Tissue Engineering Central Action of Brain-Derived Neurotrophic Factor in Male and Female Rats	93.846 93.847	N/A N/A	-	136,229 89,319
Oligodendrocyte Lineage Cell Plasticity in the Spinal Cord Following Peripheral Injury	93.853	N/A	-	125,796
Gliding Motility and Cytadherence in Mycoplasma Penetrans	93.855	N/A	_	31.026
Acinetobacter Baumannii Gene Regulation in Respojnse to Illumination	93.859	N/A	-	81,401
EPR Structural Studies of KCNE1/KCNQ1	93.859	N/A	-	99,292
EPR Spectroscopic Studies of Membrane Proteins	93.859	N/A	-	60,589
EPR Structural Studies of KCNE1/KCNQ1	93.859	N/A		18,837
Investigation of ER Alpha Expression on Male Behavior Under Field Conditions A Biopsychosocial Model of Emotion Processes Determining the Role of Overcontrolling Parenting	93.865	N/A	41,385	75,150
in the Stability of Inhibited Temperament Influence of Aerobic Training and Weight Loss on Skeletal Muscle Inflammatory Markers and	93.865	N/A	-	39,643
Muscle Protein Balance in Older Adults	93.866	N/A	-	79,618
On Determinants of Lens Regeneration	93.867	N/A	-	221,074
Exploiting Animal Models of RPE Plasticity to Unlock Human Retina Regeneration from RPE	93.867	N/A	10,000	366,362
The Role of FGF Receptors in Lens Development	93.867	N/A	-	321,022
Risk Assessment Methods for Occupational Health Total U.S. Department of Health and Human Services Direct Programs	93.XXX	N/A	82,071	17,202 2,219,692
Pass-Through Programs From:				
National Association of Area Agencies on Aging: Information and Planning: Understanding the				
Capacity of the Aging Network	93.048	402729	-	41,515
Elizabeth New Life Center: Elizabeth New Life Center SRAE Grant Evaluation 2016-2019	93.06	470626	-	905
Healthy Visions: Healthy Visions SRAE Grant Evaluation 2016-2019 Wright State University: Effects of Virtual Reality Simulation on Worker Emergency Evacuation of	93.06	470625	-	8,855
Neonates	93.226	402511	-	6,098
University of Cincinnati: UC Psychiatry Pediatric Bipolar Research Clinical Traineeship 2017-18	93.242	402890	-	12,959
ODE: Evaluation of Making Ohio AWARE: Building Statewide Mental Health First Aid Capacity	93.243	402490	_	91,889
ODE-WCESC: Warren Country Educational Service Center LEAI Evaluation	93.243	402869	-	1,209
University of Minnesota Bowblis University of Sourthern California: An Integrative Computational and Bioengineered Tissue Model	93.307	402792	-	31,657
of Metastasis	93.396	402396	-	1,479
ODM-ODA: Person-Centered Staff Engagement Project	93.636	402865	-	24,370
ODM: Evaluating Long-Term Services and Supports in Ohio	93.791	402946	-	130,792
The Ohio State University: Alternative Routes of Gut Microbial Methylamine Metabolism That		400704		
May Limit Trimethylamine N=Oxide, A Trigger for Atherosclerosis Cincinnati Childrens Hospital Medical Center: Receptors of Rotavirus	93.847	402731	-	80,871
Developing Metallo-Beta-Lactamase Inhibitors	93.855 93.859	402820 402559	-	60,692 187,665
Ohio State University: Structure and Genesis of Tau Aggregates	93.866	402949	_	28,910
University of Texas Rio Grande: Genetic Epidemiology of Ocular Health aand Disease	93.867	402723	-	145,434
ODM: Evaluating Long-Term Services and Supports in Ohio	93.971	402633	-	74,204
Greene County Educational Service Center: Safe Schools/Healthy Students Local Evaluation				
Plan for Greene County Educational Service Center Greene County Educational Service Center: Safe Schools/Healthy Students Local Evaluation	93.XXX	402920	-	36,660
Plan for Greene County Educational Service Center Total U.S. Department of Health and Human Services Pass-Through Programs	93.XXX	402739	-	142
Total 5.5. Department of freath and fruition Services Pass-Timough Plugidits			-	966,306
Total U.S. Department of Health and Human Services			82,071	3,185,998
U.S. Department of Homeland Security	07.400	400000		20.005
Foresight- Predicting & Preventing Emergent Epidemics in Humans & Livestock	97.108	402962		83,839
Total Research and Development Cluster			493,564	9,526,732

Schedule of Expenditures of Federal Awards (Continued) For the Year Ended June 30, 2018

Grantor/Program or Cluster Title	CFDA Number	Entity Identifying Number	Provided to Subrecipients	Total Federa Expenditure
U.S. Department of State:				
Miami University - Sanya University American Cultural Center	19.04	N/A	\$ -	\$ 18,57
National Endowment for Humanities:				
Miami University Humanities Center NEH Challenge Grant Application	45.13	N/A	-	87,56
From Warzone to Home: A Humanities Dialogue	45.162	N/A	-	7,10
Total National Endowment for Humanities				94,66
ational Science Foundation :				
Great Plains Operator Theory Symposium 2018	47.049	N/A	-	3,19
Ooes a Large Detritus Pool Enhance Ecosystem Resilience in Response to an Episodic Perturbation?	47.074	N/A	-	
Total National Science Foundation			-	3,24
S Department of Education:		N/A		
Miami University Regionals - Upward Bound Program	84.047	N/A	-	135,49
Miami University: CCAMPIS Scholarships for Low Income Undergraduate Students on Three Campuses	84.335	N/A		113,89
Total U.S. Department of Education Direct Programs	04.333	IN/A	-	249,38
ss-Through Programs From: National Writing Project: 2016-2017 NWP SEED Invitational Leadership Institute to Invest in				
Developing New Teacher-Leaders	84.367	402691	-	32
National Writing Project: 2016-2017 NWP SEED Professional Development in a High-Need Schoo	l 84.367	402768		43,87
DDHE: Writing and Inquiry Stories to Explore Science II (WISE Science II)	84.367	402863	-	57,24
lational Writing Project: Agreement # BRimer-NWP 2016	84.411	402793	-	19,7
ational Writing Project: 2017 i3 Scale-up College-Ready Writers Program 2017-18 Advanced stitute	84.411	402884	_	17,5
018-2019 Year 2 i3 Scale-Up C3WP Advanced Institute for Upper Elementary	84.411	403044	-	4
018-19 i3 C3WP High-Need School PD	84.411	403045	-	7
DDHE: Evaluation of Writing and Inquiry Stories to Explore Science (WISE Science ii)	84.367B	402870		9,8
Total U.S. Department of Education Pass Through Programs				149,73
Total U.S. Department of Pass Education				399,11
J.S. Department of Defense:				
Pass-Through Programs From:				
General Dynamics: Manufacturing Workshop for AFRL/ManTech	12.XXX	402787		42,86
J.S. Department of State:				
Pass-Through Programs From:				
USDOS-ITD Albarran	19.009	403027		2,19
National Endowment for the Arts:				
Pass-Through Programs From:				
Arts Midwest: 2017-18 Midwest Touring Fund	45.025	403033	-	3,6
National Science Foundation:				
Gonzalez NSF Intergovernmental Personnel Act (IPA) Assignment	47.XXX	402616	-	19,2
Vanni NSF Intergovernmental Personnel Act (IPA)	47.XXX	402625	-	23,14
Total National Science Foundation				42,3
3. Department of Health & Human Services:				
Pass-Through Programs From: Cincinnati Children's Medical Center: LEND CCHMC Traineeship Green	93.11	402726	-	1:
Ohio Department of Education:Making Ohio AWARE: Building Statewide Mental Health First Aid				
Capacity ODMHAS: Miami University Bacchus Student Engagement Iniative 2018	93.243 93.959	402502 402997	-	417,9 4,0
Ohio Department of Mental Health and Addiction Services: Hosting 2017 OPEC Conference				
	93.959	402844	-	13,8
Ohio Department of Mental Health and Addiction Services: Hosting 2018 OPEC Conference	93.959	402943		95,7
Total U.S. Department of Health and Human Services				531,6
ice of Public Affairs:				
CE-HSI: Reimbursement of Joint Operations Expenses from the Treasury Forfeiture Fund	97.XXX	402676	-	4,9

See notes to the schedule of expenditures of federal awards

Notes to Schedule of Expenditures of Federal Awards Year Ended June 30, 2018

Note 1. Basis of Presentation

The accompanying schedule of expenditures of federal awards (the Schedule) includes the federal award activity of Miami University (the University) under programs of the federal government for the year ended June 30, 2018. The information in this Schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedule presents only a selected portion of the operations of the University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

Note 2. Summary of Significant Accounting Policies

Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years.

Note 3. Indirect Cost Rate

The University has elected not to exercise its option to use the 10-percent de minimis indirect cost rate due to the fact that the University has an existing approved indirect cost rate.

Note 4. Federal Perkins Loan Program

The Federal Perkins Loan Program listed subsequently is administered directly by the University and balances and transaction relating to this program are included in the University's financial statements. Loans made during the year are included in the federal expenditures presented in the Schedule. The balances of loans outstanding at June 30, 2018 consist of:

	Outstanding		Repayments	Outstanding	
	Balance at	New Loans	of Student	Balance at	
Program Name	July 1, 2017	Issued	Loans	June 30, 2018	
Federal Perkins Loan Program	\$ 6,340,150	\$ 603,220	\$ (1,134,263)	\$ 5,809,107	

Note 5. Federal Direct Student Loans

The University also participates in the Federal Direct Student Loan Program, which includes subsidized and unsubsidized Federal Stafford Loans "Stafford" and Federal PLUS Loans "PLUS". New loans processed for students during the year ended June 30, 2018, were as follows:

Federal Direct Student Loan Program

Stafford:	
Subsidized	\$ 21,418,280
Unsubsidized	33,377,449
GLPS	357,638
PLUS	23.729.318

The value of the loans issued for the Federal Direct Student Loan Program is based on disbursed amounts. The University is responsible only for the performance of certain administrative duties with respect to the Federally Guaranteed Student Loan Programs and, accordingly, balances and transactions relating to the loan programs are not included in the University's basic financial statements. Therefore, it is not practical to determine the balance of loans outstanding to student and former students of Miami University at June 30, 2018.





RSM US LLP

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

Independent Auditor's Report

President and Board of Trustees of Miami University

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 the business-type activities and the discretely presented component unit of Miami University (the University), as of and for the year ended June 30, 2018, which collectively comprise the University's basic financial statements and the related notes to the financial statements, and have issued our report thereon dated October 15, 2018.

This report does not extend to the Miami University Foundation due to the Foundation issuing a separate report on Internal Control over Financial Reporting and on Compliance and Others Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards* dated October 15, 2018.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University'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 University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University'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 University'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 University'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 University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

RSM US LLP

Cleveland, Ohio October 15, 2018



RSM US LLP

Report On Compliance For Each Major Federal Program; And Report On Internal Control Over Compliance Required By The Uniform Guidance

Independent Auditor's Report

President and Board of Trustees of Miami University

Report on Compliance for Each Major Federal Program

We have audited Miami University's (the University) compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2018. The University's major federal programs are identified in the summary of auditor's results section of the accompanying Schedule of Findings and Questioned Costs.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the University's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the University's compliance.

Opinion on Each Major Federal Program

In our opinion, the University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2018.

Report on Internal Control over Compliance

Management of the University is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A material weakness in internal control over compliance is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

RSM US LLP

Cleveland, Ohio October 15, 2018

Schedule of Findings and Questioned Costs For the Year Ended June 30, 2018

Section I - Summary of Auditor's Results Financial Statements Type of report the auditor issued on whether the financial statements audited were prepared in accordance with GAAP: Unmodified Internal control over financial reporting: · Material weakness(es) identified? Yes None reported Significant deficiency(ies) identified? Yes Noncompliance material to financial statements noted? Yes X No Federal Awards Internal control over major programs: Material weakness(es) identified? Yes Significant deficiency(ies) identified? Yes None reported Type of auditor's report issued on compliance Unmodified for major programs: Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)? Yes X No Identification of major programs: Name of Federal Program or Cluster CFDA Number(s) 84.007, 84.033, 84.038, 84.063, 84.268 and 84.379 Student Financial Aid Cluster Research and Development Cluster Various Dollar threshold used to distinguish between 750,000 Type A and Type B programs: X Yes No Auditee qualified as a low risk auditee?

Schedule of Findings and Questioned Costs Year Ended June 30, 2018

- II. Findings Relating to the Financial Statement Audit as Required to be Reported in Accordance with Generally Accepted Government Auditing Standards
 - (A) Internal Control

None reported.

(B) Compliance Findings

None reported.

- III. Findings and Questioned Costs for Federal Awards
 - (A) Internal Control

None reported.

(B) Compliance Findings

None reported.

Schedule of Prior Year Findings and Questioned Costs Year Ended June 30, 2018

No matters were reported.





MIAMI UNIVERSITY

BUTLER 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.

CLERK OF THE BUREAU

Susan Babbitt

CERTIFIED NOVEMBER 15, 2018