

MARCH 31, 2020 QUARTERLY UPDATE TO APPENDIX A

THE OHIO STATE UNIVERSITY

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APPENDIX A

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NOTICE REGARDING FORWARD-LOOKING STATEMENTS

Forward-Looking Statements

Certain statements included or incorporated by reference in this Quarterly Update to Bondholders constitute “forward-looking statements” within the meaning of the United States Private Securities Litigation Reform Act of 1995, Section 21E of the United States Securities Exchange Act of 1934, as amended, and Section 27A of the Securities Act. Such statements are generally identifiable by the terminology used such as “plan,” “expect,” “estimate,” “budget,” “intend,” “projection” or other similar words. Such forward-looking statements include, but are not limited to, certain statements contained in the information in this Appendix A. A number of important factors, including factors affecting the University’s financial condition and factors which are otherwise unrelated thereto could cause actual results to differ materially from those stated in such forward-looking statements. THE OHIO STATE UNIVERSITY DOES NOT PLAN TO ISSUE ANY UPDATES OR REVISIONS TO THOSE FORWARD-LOOKING STATEMENTS IF OR WHEN ITS EXPECTATIONS, OR EVENTS, CONDITIONS OR CIRCUMSTANCES ON WHICH SUCH STATEMENTS ARE BASED OCCUR.

Projections and Financial Data

The projections set forth in this Quarterly Update to Bondholders were not prepared with a view toward complying with the guidelines established by the American Institute of Certified Public Accountants with respect to forward-looking information and preliminary financial data, but, in the view of the University’s management, were prepared on a reasonable basis, reflect the best currently available estimates and judgments, and present, to the best of management’s knowledge and belief, the expected course of action and the expected future financial performance of the University. However, this information is not fact and should not be relied upon as being necessarily indicative of future results, and readers of this Quarterly Update to Bondholders are cautioned not to place undue reliance on the forward-looking information and preliminary financial data.

Impact of COVID-19 on Forward Looking Statements, Projections, and Financial Data

In addition to other factors, certain information in this Quarterly Update to Bondholders may be impacted by the ongoing effects of the COVID-19 pandemic as described herein under “**COVID-19 Pandemic**”. The full impact of COVID-19 and the scope of any adverse effect on University finances and operations cannot be determined at this time. As a result, the current year budgets and projections contained in this Appendix A have not been updated to reflect the potential impact of the COVID-19 outbreak. SEE “**COVID-19 Pandemic**” herein for additional information concerning the current status of the COVID-19 outbreak and its potential effect on the University’s financial position and operations.

QUARTERLY UPDATE TO BONDHOLDERS

THE OHIO STATE UNIVERSITY

GENERAL

The Ohio State University (the “University”) was founded in 1870 by the Ohio General Assembly under provisions of the Morrill Act as the Ohio Agricultural and Mechanical College (the “College”). The College was located on 331 acres of land approximately two miles north of Columbus. In 1878, the General Assembly designated the College a university and changed its name to The Ohio State University. That same year, the University graduated its first class. Through August 2019, the University has awarded nearly 781,400 undergraduate and graduate degrees.

The University is one of 14 state-supported universities in Ohio. It is declared by statute to be a body politic and corporate. The University’s main campus is located in the City of Columbus on a 1,666-acre site containing 565 buildings (the “Columbus Campus”). Also in Columbus, the University owns two 18-hole regulation golf courses and the Don Scott Airport. In addition to the Columbus Campus, the University operates educational programs at Extended Campuses located in Lima, Mansfield, Marion, and Newark (collectively, the “Extended Campuses”) housed in 76 buildings on 1,482 acres. The University also operates an Agricultural Technical Institute, the Ohio Agricultural Research and Development Center (“OARDC”) in Wooster, Ohio and the Molly Caren Agriculture Center in London, Ohio, along with various other research farms throughout Ohio collectively comprising 10,775 acres and 395 buildings. An additional 235 buildings are located on 405 acres at various other locations across Ohio.

The Columbus Campus is the third largest individual campus of any public university or college in the United States in terms of both head count enrollment and full-time equivalent (FTE) enrollment. The enrollment for Autumn 2019 was 61,391 students for the Columbus Campus and 6,871 for the Extended Campuses, bringing the total enrollment for all campuses at that time to 68,262 students. During the academic year ending June 30, 2019, the University awarded a total of 17,145 degrees consisting of 11,478 baccalaureate degrees, 2,750 master’s degrees, 886 doctorate degrees, 802 professional degrees, 1,159 associate degrees, and 70 post-baccalaureate degrees. The University has nearly 500,000 living alumni. The University has one of the largest athletic departments in the country with 36 varsity sports. The Athletics Department is self-supported and generated approximately \$208 million in revenues in Fiscal Year 2019. As of September 30, 2019, the University employed a total of 49,030 faculty and staff (including student employees) among its campuses.

The Board of Trustees

The University is governed by a Board of Trustees (the “Board”) which, under Ohio law, is directed and granted authority to do all things necessary for the proper maintenance and successful and continuous operation of the University. Two of the Trustees must be students at the University. The Trustees, other than charter Trustees and student Trustees, are appointed by the Governor with the advice and consent of the State Senate for overlapping nine-year terms. The student Trustees are appointed by the Governor with the advice and consent of the State Senate for overlapping two-year terms. The charter Trustees, who are not residents of Ohio, are appointed by the other members of the Board for three-year terms. There may be up to three charter Trustees. Charter Trustees have no voting privileges on the Board and are not considered as members of the Board when determining whether a quorum is present.

As of March 31, 2020, the officers and members of the Board, and the years in which their respective terms expire, are:

Gary R. Heminger, Chair (2027)	Marathon Petroleum Corporation and MPLX GP LLC, Chairman of the Board and Chief Executive Officer
Timothy P. Smucker, Vice Chair (2020)	The J.M. Smucker Company, Chairman Emeritus
Abigail S. Wexner, Vice Chair (2023)	Whitebarn Associates, Chief Executive Officer
Alex Shumate (2020)	Squire Patton Boggs (U.S.) LLP, Managing Partner, Columbus Office
Michael Kiggin (2021)	Capital Strategy Group, Principal
Cheryl L. Krueger (2021)	KRUEGER+CO. Consulting, Inc., Founder and Chief Executive Officer
Brent R. Porteus (2022)	Blair Porteus & Sons, Managing Partner
Erin P. Hoeflinger (2022)	Aetna, Senior Vice President of Strategy & Consumer Experience
Alex R. Fischer (2023)	Columbus Partnership, President and Chief Executive Officer
Hiroyuki Fujita (2024)	Quality Electrodynamics, Founder, President, Chief Executive Officer and Chairman of the Board
Alan A. Stockmeister (2025)	Foremost Management, Inc., President and Owner
John W. Zeiger (2026)	Zeiger, Tigges & Little LLP, Founding Partner
Elizabeth P. Kessler (2027)	Jones Day, Partner-in-charge, Columbus Office
Lewis Von Thaeer (2028)	Battelle Memorial Institute, President and Chief Executive Officer
Jeff M.S. Kaplan (2028)	The Ohio State University, Former Secretary and Senior Advisor to the Board
Janet Porter, Charter Trustee (2020)	Stroudwater Associates, Senior Advisor
Alan VanderMolen, Charter Trustee (2020)	WE Communications, Former President of International and WE+
James D. Klingbeil, Charter Trustee (2021)	Klingbeil Capital Management and The Klingbeil Company, Chairman and Klingbeil Medical Partners, Chief Executive Officer
Janice M. Bonsu, Student (2020)	Graduate Student Trustee
Anand Shah, Student (2021)	Undergraduate Student Trustee

The secretary of the Board is Jessica A. Eveland.

Senior Management

Biographical information regarding certain individuals who are part of or have been approved to serve as the senior management of the University as of March 31, 2020 is set forth below.

Dr. Michael V. Drake has served as President of the University since 2014. Dr. Drake announced that he will transition out of that role while continuing to serve through at least the end of the academic year. He previously served as chancellor of the University of California, Irvine, from July 2005 through June 2014. Prior to Dr. Drake's arrival at UC Irvine, he served for five years as vice president for health affairs for the University of California system, overseeing academic program policy at the system's 15 health sciences schools, located on seven campuses. Dr. Drake earned his bachelor's degree from Stanford University and his medical degree from UC San Francisco. The University has launched a national search for its next president, and trustee Lewis Von Thaeer is serving as the chair of the search committee.

Dr. Bruce A. McPheron serves as Executive Vice President and Provost at the University. For the three years prior to serving as Executive Vice President and Provost, Dr. McPheron served as the University's Vice President for

Agricultural Administration and dean of the College of Food, Agricultural and Environmental Sciences (CFAES) and was Interim Executive Vice President and Provost for the six months leading up to his permanent appointment. Prior to joining the University in 2012, he was dean of the College of Agricultural Sciences at Penn State University (PSU) for three years and served 21 years in various other positions with PSU. Dr. McPheron earned his bachelor's degree at the University and his master's and doctorate at the University of Illinois.

Dr. Harold L. Paz serves as Executive Vice President and Chancellor for Health Affairs for the University. In this newly-established position, he manages the Wexner Medical Center, including all seven hospitals. He also oversees the seven health-sciences colleges and more than 20 research institutes at the University in partnership with the Provost. From 2014 until he joined the University, Dr. Paz was executive vice president and chief medical officer of Aetna, and while at Aetna and beginning in 2015, was a professor adjunct of internal medicine at Yale University School of Medicine. Prior to joining Aetna, Dr. Paz held various positions at Penn State University (PSU) including chief executive officer of the PSU Milton S. Hershey Medical Center, senior vice president for health affairs, dean of the College of Medicine and president and chief executive officer of the PSU Hershey Health System from 2006 to 2014. Prior to his tenure at PSU, Dr. Paz served as dean of the Robert Wood Johnson Medical School and chief executive officer of the Robert Wood Johnson Medical Group from 1995 to 2006. Dr. Paz is board certified in internal medicine and pulmonary medicine. He completed his internal medicine residency at Northwestern University and a postdoctoral fellowship in pulmonary and critical care medicine and environmental health sciences at Johns Hopkins University. He earned his bachelor's degree in biology and psychology and his medical degree from the University of Rochester and a master's degree in life sciences engineering from Tufts University.

Michael Papadakis serves as Senior Vice President for Business and Finance and Chief Financial Officer for the University. Mr. Papadakis joined the University in June of 2011 as Treasurer and Vice President of Financial Services, was subsequently elevated to Deputy Chief Financial Officer, Treasurer and Vice President of Financial Services & Innovation and served as Interim Senior Vice President for Business and Finance and Chief Financial Officer for a year prior to his permanent appointment. Prior to joining the University, he served as a director of energy investment banking at KeyBanc Capital Markets. Additionally, Mr. Papadakis held previous roles in corporate tax at Deloitte & Touche, strategic business valuation at Arthur Andersen and is a certified public accountant. He earned his master's in finance from the Fisher College of Business at the University and a bachelor's of business administration in accounting from the University of Cincinnati and has completed the General Management Program at Harvard Business School.

Anne Garcia serves as interim Vice President and General Counsel for the University replacing Chris Culley who left the University in November 2019. Ms. Garcia currently serves as senior associate general counsel and vice president for legal and compliance for the Wexner Medical Center. An experienced healthcare lawyer, Ms. Garcia came to Ohio State University in 2016 from Saint Louis University, where she worked for six years and most recently served as senior associate general counsel and executive director of Compliance. Ms. Garcia earned her J.D. degree from Tulane University School of Law.

Jay Kasey serves as Senior Vice President for Administration and Planning at the University. Prior to his appointment to this post, Mr. Kasey had management responsibility for elements of the OSU Health System hospitals. He has also been instrumental in leading the medical center expansion project. Mr. Kasey has worked in senior level healthcare positions since 1985. After serving as the COO or CEO of two different five-hundred bed community hospitals, Mr. Kasey joined The Hunter Group, a consulting firm specializing in hospital and health systems operations.

Michael Eicher was named Senior Vice President for Advancement in September 2012. He oversees the full integration of the University's fundraising, alumni relations, and communications efforts. He joined the University from Johns Hopkins University, where he served as senior vice president for external affairs and development. Prior to working at Johns Hopkins, Mr. Eicher was vice chancellor at the University of California, Los Angeles. Mr. Eicher graduated from the University of California, San Diego.

Dr. Melissa Shivers serves as Vice President for Student Life. Dr. Shivers most recently served as Vice President for Student Life at the University of Iowa where she focused on strategic initiatives related to student life and student success, especially those with a focus on health, safety, and well-being. Prior to that, Dr. Shivers spent seven years at the University of Tennessee where she held various roles, including associate vice chancellor for student life and dean of students. Dr. Shivers also held positions at University of Georgia, Clemson University and Georgia Southern University. Dr. Shivers earned her bachelor's degree in communication arts from Georgia Southern University, her master's degree in education, counseling and guidance services from Clemson University and her PhD in counseling and student personnel services from University of Georgia.

Eugene D. Smith serves as Senior Vice President and Wolfe Foundation Endowed Athletics Director. Mr. Smith was named the University's Director of Athletics in March of 2005 and was elevated to his current position in May of 2016. Prior to joining the University, Mr. Smith served as athletic director at Arizona State University from 2000 to 2005, athletic director at Iowa State University from 1993 to 2000 and athletic director at Eastern Michigan University from 1986 to 1993. Mr. Smith earned his bachelor's degree in business administration from the University of Notre Dame in 1977.

Dr. Morley O. Stone serves as Senior Vice President for Research. Prior to joining the University in August of 2018, Dr. Stone served as chief technology officer at the Air Force Research Laboratory (AFRL) of Wright-Patterson Air Force Base in Dayton from 2014 to 2018. Dr. Stone also served as chief scientist for AFRL's Human Performance Wing from 2008 to 2014 and as a manager at the Defense Advanced Research Projects Agency (DARPA) from 2003 to 2006. Dr. Stone earned his bachelor's degree in biological sciences from Wright State University and a PhD in biochemistry from Carnegie Mellon University.

Susan McGarry Basso serves as Senior Vice President for Talent, Culture and Human Resources. Prior to joining the University in September of 2017, Ms. Basso served as vice president for human resources at Penn State University from 2010 to 2017. Ms. Basso also served as associate vice president of human resources for Seton Hall University from 2006 to 2010 and various positions at East Stroudsburg University from 1988 to 2006. Ms. Basso earned her bachelor's degree in psychology from Ursinus College and a master's degree in human resources administration from the University of Scranton.

Academic Structure

The academic organization of the University consists of 15 colleges, 7 schools, the Graduate School and the Agricultural Technical Institute. The University offers more than 200 undergraduate majors, 166 programs leading to the master's degree, 120 programs leading to the doctoral degree, and over 12,000 different courses.

The 15 colleges within the University are:

Arts and Sciences	Medicine
Business	Nursing
Dentistry	Optometry
Education and Human Ecology	Pharmacy
Engineering	Public Affairs
Food, Agricultural and Environmental Sciences	Public Health
Law	Social Work
	Veterinary Medicine

The 7 schools within the University's colleges are:

Health and Rehabilitation Sciences	Earth Sciences
Architecture	Environment and Natural Resources
Biomedical Science	Music
Communication	

University Libraries consists of the Thompson Library and ten department library and special collections locations on the Columbus campus. The libraries on the Ohio State Columbus campus have a combined collection size of over 5.8 million volumes. The University Libraries website provides access to more than 11.5 million books and journal volumes in print and microformat, as well as an extensive collection of electronic databases.

Accreditations and Memberships

The Ohio State University has been accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools (NCA) since 1913, and in 2017, the University underwent its decennial reaffirmation of accreditation. Additionally, the University has programs, departments and colleges that are accredited by more than 40 specialized accrediting bodies. The University is a member of both the Association of American Universities and the Association of Public and Land-Grant Universities.

Faculty and Employees

As of September 30, 2019, the University had a faculty and non-instructional staff of 49,030 full and part-time employees on all campuses. The numbers of staff members for the Columbus Campus and the Extended Campuses as of September 30, 2019 were as follows:

	<u>Columbus Campus</u>	<u>Extended Campuses</u>	<u>Total University</u>
<u>Instructional Staff</u>			
Regular Faculty ⁽¹⁾ :			
Professor	1,179	74	1,253
Associate Professor	787	134	921
Assistant Professor	587	64	651
Instructor	<u>13</u>	<u>1</u>	<u>14</u>
Total Regular Faculty	2,566	273	2,839
Other Faculty:			
Clinical Faculty ⁽²⁾	1,830	6	1,836
Auxiliary Faculty ⁽³⁾	2,472	323	2,795
Research Faculty ⁽⁴⁾	<u>112</u>	<u>1</u>	<u>113</u>
Total Other Faculty	4,414	330	4,744
Total Instructional	6,980	603	7,583
<u>Non-Instructional Staff</u>			
Unclassified Staff	21,925	924	22,849
Classified Civil Service Staff	4,854	386	5,240
Professional & Technical Staff	48	0	48
Graduate Associates	4,356	75	4,431
Other Students	<u>8,411</u>	<u>468</u>	<u>8,879</u>
Total Non-Instructional Staff	39,594	1,853	41,447
Total Staff	46,574	2,456	49,030

(1) Regular faculty are tenure track with at least 50% FTE.

(2) Clinical faculty includes the following titles: Professor-Clinical, Associate Professor-Clinical, Assistant Professor-Clinical, and Instructor Clinical with at least 10% FTE.

(3) Auxiliary faculty includes all other instructional staff including Lecturers, House Staff and Visiting Faculty.

(4) Research faculty includes the following titles: Research Professor, Research Associate Professor, and Research Assistant Professor with at least 50% FTE.

The University faculty membership in distinguished academic societies includes the National Academy of Sciences (10 members), the National Academy of Engineering (9 members), and the Institute of Medicine (7 members). The faculty also includes 20 members of the American Academy of Arts and Sciences and more than 100 fellows of the American Association for the Advancement of Science. Many Fulbright Fellowships have been awarded to University faculty and graduate students each year.

The University is a party to collective bargaining agreements with the Communications Workers of America, the Fraternal Order of Police and the Ohio Nurses Association, which agreements cover only some of its employees. The remaining University employees, including faculty and other instructional staff, have not elected to join a bargaining unit.

Retirement Plans

The University participates in contributory retirement plans administered by the State Teachers Retirement System of Ohio (“STRS”) and the Ohio Public Employees Retirement System (“OPERS”). As an alternative to STRS and OPERS, eligible employees may elect to participate in the University’s Alternative Retirement Plan (“ARP”). The ARP was created by the University’s Board of Trustees in February 1999. The number of OSU employees who contributed to the various retirement plans during calendar year 2019 is as follows:

OPERS	38,060
STRS	4,834
ARP	6,321

STRS and OPERS are two of five statewide public employee retirement systems created by and operating pursuant to Ohio law, all of which currently have unfunded actuarial accrued liabilities. The Ohio General Assembly has the power to amend the format of those systems and to revise rates and methods of contributions to be made by public employers and their employees and eligibility criteria, benefits or benefit levels for members.

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

- The STRS and OPERS defined benefit plans are cost-sharing multiple-employer defined benefit pension plans. Subject to eligibility requirements, the defined benefit plans currently provide for retirement benefits, disability benefits, postretirement health care coverage, and death benefits.
- The STRS and OPERS defined contribution plans are plans in which the member selects where both member and employer contributions are invested.
- The STRS and OPERS combined plans have features of both a defined contribution plan and a defined benefit plan. Subject to eligibility requirements, the combined plans currently provide for retirement benefits, disability benefits, postretirement health care coverage, and death benefits.

Ohio law requires the University to offer the ARP to certain employees. The ARP is a tax-qualified, defined contribution plan under Section 401(a) of the Internal Revenue Code and is maintained for eligible full-time faculty and staff.

STRS, OPERS and the ARP are funded by both employee and employer contributions at rates established under Ohio law. Currently, the statutory employee contribution rate is 10% of eligible compensation for OPERS and 14% of eligible compensation for STRS and the employer contribution rate is 14% of eligible compensation for both OPERS and STRS. Law enforcement employees contribute 13% of eligible compensation to OPERS and the University contributes 18.1%. Employee and employer contributions to the ARP are equal to the amount the University would have contributed to STRS or OPERS, as applicable to the employee, less any amount required to be paid by the University to the applicable state retirement system (“mitigating rate”). The mitigating rate is charged independently by OPERS and STRS and may differ between OPERS and STRS. A mitigating rate also applies to the OPERS and STRS defined contribution plans and can differ from the rate applied to the ARP. Contributions to STRS, OPERS and the ARP are subject to limits under the Internal Revenue Code.

The University also maintains a tax-qualified retirement plan and a related Section 415(m) plan for eligible employees whose contributions to STRS, OPERS or the ARP are limited under the Internal Revenue Code. Contributions may be funded from both employer and employee contributions. In addition, optional supplemental retirement programs (403(b) and 457(b) plans) are available for eligible employees.

Federal law requires University employees hired after March 31, 1986, to participate in the federal Medicare program. The current rate for Medicare is 1.45% of covered wages for both the employer and the employee. Otherwise, University employees do not currently contribute to the federal Social Security system.

In accordance with GASB Statement Nos. 68 and 75, employers participating in cost-sharing multiple-employer plans are required to recognize a proportionate share of the collective net pension and other post-employment benefit (OPEB) liabilities of the plans. Although changes in net pension and OPEB liabilities generally are recognized as expense in the current period, GASB 68 and 75 require certain items to be deferred and recognized

as expense in future periods. Deferrals for differences between projected and actual investment returns are amortized to pension expense over five years. Deferrals for employer contributions subsequent to the measurement date are amortized in the following period (one year). Other deferrals are amortized over the estimated remaining service lives of both active and inactive employees (amortization periods range from 3 to 9 years).

The collective net pension liabilities of the retirement systems and the University's proportionate share of these liabilities as of June 30, 2019 are as follows (dollars in thousands):

	<u>STRS-Ohio</u>	<u>OPERS</u>	<u>Total</u>
Net pension liability – all employers	\$21,987,755	\$27,273,872	
Proportion of the net pension liability – University	4.6%	9.9%	
Proportionate share of net pension liability	\$1,019,690	\$2,695,368	\$3,715,058

The collective net OPEB liabilities of the retirement systems and the University's proportionate share of these liabilities as of June 30, 2019 are as follows (dollars in thousands):

	<u>STRS-Ohio</u>	<u>OPERS</u>	<u>Total</u>
Net OPEB liability – all employers	\$(1,606,898)	\$13,037,639	
Proportion of the net OPEB liability – University	4.6%	10.1%	
Proportionate share of net OPEB liability	\$(74,520)	\$1,321,019	\$1,246,499

Enrollment

The University attracts students from a variety of backgrounds and geographical locations, with representation in the Autumn Semester of 2019 from all 50 states and 112 foreign countries. Ohio residents represent 74.6% of the University's enrollment, while 15.8% are from other states and 9.6% are international students. The head count enrollment (full-time and part-time students) for each of the Columbus Campus and the Extended Campuses of the University for the Autumn Semesters of 2015 through 2019 is shown below:

<u>Academic Year</u>	<u>Columbus Campus</u>	<u>Extended Campuses</u>	<u>Total Enrollment</u>
2015-16	58,663	6,521	65,184
2016-17	59,482	6,564	66,046
2017-18	59,837	6,607	66,444
2018-19	61,170	6,930	68,100
2019-20	61,391	6,871	68,262

The following table shows the total Autumn head count enrollment for undergraduate and graduate students for all campuses, and for students enrolled in professional programs, as well as the aggregate FTE enrollment for all campuses.

<u>Academic Year</u>	<u>Undergraduate</u>	<u>Graduate</u>	<u>Professional</u>	<u>Total</u>	<u>Full-Time Equivalent</u>
2015-16	51,759	10,270	3,155	65,184	58,978
2016-17	52,349	10,529	3,168	66,046	60,040
2017-18	52,517	10,708	3,219	66,444	60,427
2018-19	53,734	11,113	3,253	68,100	61,654
2019-20	53,669	11,305	3,288	68,262	61,631

In 1969, the General Assembly, upon recommendation of the Ohio Board of Regents, set enrollment limitations for several of the larger state universities. The limitation for the Columbus Campus is 42,000 FTE resident undergraduate enrollment. Excluded from this enrollment calculation is the FTE enrollment in certain categories, including Medical Sciences (Medicine, Dentistry, Veterinary Medicine, Nursing, Allied Medicine and Optometry) and Agriculture programs, and part-time commuter students in evening courses. With these exclusions, the FTE enrollment for the Columbus Campus is substantially below the enrollment limitation.

Prior to 1987, the University practiced open admissions for freshmen, accepting applications on a first-come, first-served basis. Admissions would “close” when the number of applications received reached the FTE enrollment limitation. Because of increased demands for the Columbus Campus, the University adopted a selective admissions policy beginning with applications for Autumn Quarter 1987.

The application deadline is fixed at February 1st of each year. All resident and nonresident applicants are considered within a competitive process. Primary criteria for admission are the applicant’s high school college preparatory program and performance as measured by class rank, and standardized test scores. Other factors include courses exceeding the minimum in mathematics, natural sciences and foreign languages, competitiveness of high school, leadership, special talents, or special circumstances. In addition, special consideration is given to students who will provide cultural, racial, economic, and geographic diversity to the University.

Admissions

The table below sets forth, for the Columbus Campus, the number of completed freshman applications received and accepted, the percentage of applicants accepted for admission, the number of freshmen enrolled, the percentage of accepted applicants who enrolled and the average ACT scores and retention rates of enrollees in the Autumn Quarters or Semesters of the academic years indicated.

Academic Year	Applications Completed	Applicants Accepted	Percent Accepted	Applicants Enrolled	Percent Enrolled	Average ACT	Retention Rate
2015-16	40,220	19,851	49.4%	6,978	35.2%	28.9	94.2%
2016-17	44,821	24,240	54.1%	7,885	32.5%	29.1	94.2%
2017-18	47,758	22,939	48.0%	7,136	31.1%	29.2	94.5%
2018-19	48,033	24,943	51.9%	7,851	31.5%	29.3	94.1%
2019-20	47,675	25,606	53.7%	7,630	29.8%	29.5	N/A

The average freshman composite scores on the Scholastic Aptitude Test (SAT critical reading and math) for the Columbus Campus was 1,347 for the Autumn Semester 2019; the average ACT Composite was 29.5. These averages have increased dramatically over the past decade as the University invested in strategic recruitment initiatives. Per the goals of the University Strategic Enrollment Plan, the composition of the freshman class has become increasingly more diverse. Non-Ohio resident freshman enrollment was 32.3% for Autumn Semester 2019.

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Fees and Charges

The per student instructional and general fees (including the tuition surcharge paid by non-resident students) for the Columbus Campus for academic years 2015-16 through 2019-20 are shown below.

		<u>Total Instructional and General Fees for Full-Time Students (Per Academic Year)</u>				
Columbus Campus		<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>
Resident	Undergraduate Tuition Guarantee 2017-18 ⁽¹⁾	NA	NA	\$10,170	\$10,170	\$10,170
	Undergraduate Tuition Guarantee 2018-19 ⁽¹⁾	NA	NA	NA	10,304	10,304
	Undergraduate Tuition Guarantee 2019-20 ⁽¹⁾	NA	NA	NA	NA	10,662
	Undergraduate-Non-Guarantee	\$9,615	\$9,615	9,615	9,615	9,615
	Graduate	11,928	11,928	11,928	11,928	11,928
	MHRM (Formerly MLHR)	16,248	16,248	16,568	16,568	16,568
	MBA	30,120	30,120	30,120	30,120	30,120
	Working Professional MBA	25,512	25,512	25,512	25,512	25,512
	EMBA	48,032	64,928	48,032	64,987	48,032
	Masters of Accounting	31,824	31,824	31,824	31,824	31,824
	Masters of Audiology	12,504	12,504	12,504	12,504	12,504
	MSLP	12,504	12,504	12,504	12,504	12,504
	Masters of Health Admin.	14,336	14,336	14,336	14,336	14,336
	Masters of Public Health	12,760	12,760	12,760	12,760	12,760
	Public Health PEP	12,760	12,760	12,760	12,760	12,760
	MPT/DPT	12,864	12,864	13,368	13,368	13,368
	MOT/DOT - Ranks 1-2	11,576	11,576	12,472	13,440	13,440
	MSW	12,600	12,600	12,600	12,600	12,600
	MBOE	33,980	34,646	34,646	34,710	34,518
	SMB Finance	55,632	55,632	55,632	55,632	55,632
	MBLE	27,552	27,552	27,552	27,552	27,552
	MAEE-DL	14,712	14,712	14,712	14,712	14,712
	GC Med	19,504	19,504	19,504	19,504	19,504
	GMB	13,020	13,020	11,828	11,828	11,828
	MGEL	17,144	17,144	17,072	17,072	17,072
	Non-Resident	SMB-Analytics	NA	NA	NA	35,189
Undergraduate Tuition Guarantee 2017-18 ⁽¹⁾		NA	NA	29,274	30,186	31,147
Undergraduate Tuition Guarantee 2018-19 ⁽¹⁾		NA	NA	NA	30,320	31,281
Undergraduate Tuition Guarantee 2019-20 ⁽¹⁾		NA	NA	NA	NA	31,639
Undergraduate-Non-Guarantee		26,943	27,807	28,719	29,631	30,592
Graduate		31,400	32,376	33,400	34,432	35,512
MHRM (Formerly MLHR)		34,152	35,048	36,312	37,256	38,250
MBA		49,592	50,568	51,592	52,624	53,704
Working Professional MBA		42,816	43,680	44,592	45,504	46,464
EMBA		48,042	64,938	48,042	64,997	48,042
Masters of Accounting		51,296	52,272	53,296	54,328	55,408
Masters of Audiology		31,976	32,952	33,976	35,008	36,088
MSLP		31,976	32,952	33,976	35,008	36,088
Masters of Health Admin.		33,808	34,784	35,808	36,840	37,920
Masters of Public Health		32,232	33,208	34,232	35,264	36,344
Public Health PEP		32,232	33,208	34,232	35,264	36,344
MPT/DPT		30,168	31,032	31,536	32,408	33,322
MOT/DOT - Ranks 1-2		28,880	29,744	30,640	31,608	32,480
MSW		32,072	33,048	34,072	35,104	36,184
MBOE		33,990	34,656	34,656	34,720	34,528
SMB Finance		55,642	55,642	55,642	55,642	55,642
MBLE		44,856	45,720	46,632	47,544	48,504
MAEE-DL		14,722	14,722	14,722	14,722	14,722
GC Med		40,504	41,552	41,552	31,552	32,130
MGEL		17,154	17,154	17,082	17,082	17,082
SMB-Analytics		NA	NA	NA	35,199	35,199

		<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20</u>
Professional Schools						
Resident	Law	\$28,632	\$29,192	\$29,768	\$30,352	\$30,952
	Medicine - Rank 1	29,648	29,648	29,648	30,008	30,008
	Medicine - Rank 2	29,648	29,648	29,648	30,008	30,008
	Medicine - Rank 3	29,648	29,648	29,648	30,008	30,008
	Medicine - Rank 4	29,648	29,648	29,648	30,008	30,008
	Dentistry - Rank 1	32,816	33,464	34,128	35,144	36,708
	Dentistry - Ranks 2-4	29,104	29,680	30,264	31,168	32,248
	Optometry - Ranks 1-2	25,512	26,264	26,264	26,776	27,304
	Optometry - Ranks 3-4	22,648	23,320	23,320	23,776	24,240
	Veterinary Medicine - Ranks 1-3	29,512	30,096	30,688	31,288	31,904
	Veterinary Medicine - Rank 4	22,960	30,096	30,688	31,288	31,904
	Pharmacy - Ranks 1-3	21,168	21,168	22,000	22,864	23,760
	Pharmacy Rank 4	15,080	21,168	22,000	22,864	23,760
Non-Resident	Law	43,584	44,144	44,720	45,304	45,904
	Medicine - Rank 1	49,280	50,264	51,296	52,696	53,786
	Medicine - Rank 2	49,280	50,264	51,296	52,696	53,786
	Medicine - Rank 3	49,280	50,264	51,296	52,696	53,786
	Medicine - Rank 4	49,280	50,264	51,296	52,696	53,786
	Dentistry - Rank 1	71,248	72,664	74,112	76,328	79,128
	Dentistry - Ranks 2-4	63,184	64,440	65,720	67,688	69,864
	Optometry - Ranks 1-2	54,568	47,320	47,320	47,832	48,360
	Optometry - Ranks 3-4	48,472	41,144	41,144	41,600	42,064
	Veterinary Medicine - Ranks 1-3	67,136	68,472	69,064	69,664	71,240
	Veterinary Medicine - Rank 4	52,240	68,472	69,064	69,664	71,240
	Pharmacy - Ranks 1-3	41,672	42,696	44,608	46,560	48,594
	Pharmacy Rank 4	30,104	42,696	44,608	46,560	48,594
Extended Campuses						
Resident	Undergraduate Tuition Guarantee 2017-18 ⁽¹⁾	NA	NA	7,553	7,553	7,553
	Undergraduate Tuition Guarantee 2018-19 ⁽¹⁾	NA	NA	NA	7,644	7,644
	Undergraduate Tuition Guarantee 2019-20 ⁽¹⁾	NA	NA	NA	NA	7,912
	Undergraduate (Non-Guarantee)	7,140	7,140	7,140	7,140	7,140
	Graduate	11,736	11,736	11,736	11,736	11,736
	ATI-Tuition Guarantee-2017-18 ⁽¹⁾	NA	NA	7,517	7,517	7,517
	ATI-Tuition Guarantee-2018-19 ⁽¹⁾	NA	NA	NA	7,608	7,608
	ATI-Tuition Guarantee-2019-20 ⁽¹⁾	NA	NA	NA	NA	7,874
	ATI (Non-Guarantee)	7,104	7,104	7,104	7,104	7,104
Non-Resident	Undergraduate Guarantee 2017-18 ⁽¹⁾	NA	NA	26,657	27,569	28,530
	Undergraduate Guarantee 2018-19 ⁽¹⁾	NA	NA	NA	27,660	28,621
	Undergraduate Guarantee 2019-20 ⁽¹⁾	NA	NA	NA	NA	28,889
	Undergraduate (Non-Guarantee)	24,468	25,332	26,244	27,156	28,117
	Graduate	31,208	32,184	33,208	34,240	35,320
	ATI Guarantee 2017-18 ⁽¹⁾	NA	NA	26,621	27,533	28,494
	ATI Guarantee 2018-19 ⁽¹⁾	NA	NA	NA	27,624	28,585
	ATI Guarantee 2019-20 ⁽¹⁾	NA	NA	NA	NA	28,851
	ATI (Non-Guarantee)	24,432	25,296	26,208	27,120	28,081

⁽¹⁾ First-year in-state students who started their college careers in the 2017-18, 2018-19, and 2019-20 academic years were enrolled under the Ohio State Tuition Guarantee, which will provide certainty for those students and their families about the cost of in-state tuition, general fees, housing and dining for four years. There is a non-resident surcharge that is not covered by the Tuition Guarantee Program that may result in slight annual increases for non-resident students.

Comparative information concerning the academic year 2019-20 instructional and general fees charged Ohio residents by the University and the other state universities are set forth below.

Instructional and General Fees*
2019-20

<u>Institution</u>	<u>Undergraduate</u>	<u>Graduate</u>
Bowling Green State University	\$10,938	\$12,386
Central State University	6,472	NA
Cleveland State University	10,077	14,727
Kent State University	10,359	11,766
Miami University	14,548	14,370
The Ohio State University	10,037	12,425
Ohio University	10,810	9,510
Shawnee State University	7,701	9,963
University of Akron	10,270	9,136
University of Cincinnati	11,000	14,468
University of Toledo	9,585	15,774
Wright State University	8,954	14,298
Youngstown State University	8,601	12,656

* Based on Fall 2019 full-time charges or 15 credit hours and 2 semesters. Amounts shown include both instructional and General Facilities Fees and exclude certain other fees that are not uniform to all state universities.

Source: Ohio Department of Higher Education Fall 2019 Survey of Student Charges. Room and Board expenses are no longer collected as part of this survey.

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The following student budget has been used by the University's Office of Financial Aid and represents estimated average undergraduate student costs at the Columbus Campus for academic year 2019-2020.

Estimated Annual Expenses 2019-20

<u>Basic Fees</u>	<u>Per Student</u>
Tuition and fees for In-State Residents	\$11,084
Tuition and fees for Out-of-State-Residents*	32,060
Room and Board**	12,748
Books and Supplies	1,082
Miscellaneous Costs, Personal Expenses, Phone, etc.	2,998
Additional Out-of-State Travel	834
Total In-State Expenses	\$27,912
Total Out-of-State Expenses	\$49,722

* Includes the non-resident tuition surcharge

** Based on the most popular room and board plan

Financial Aid

Approximately 79% of the students of the University receive some form of financial assistance. The primary responsibility for this function is placed with the office of Student Financial Aid. During Fiscal Year 2019, students received total assistance amounting to \$1.17 billion. The primary sources included the Pell Grant Program, Ford Federal Direct Student Loan Programs, Federal Work Study, Federal Supplemental Educational Opportunity Grants, Ohio College Opportunity Grants, and the University scholarships, loans, employment, and graduate student fee waivers.

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The following table summarizes the financial aid provided to University students for the five Fiscal Years ended June 30, 2019. A portion of funds provided are derived from sources outside the University. All programs assisted by the federal and state governments are subject to appropriation and funding by those governments.

Student Financial Aid (dollars in thousands)					
<u>Source</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Scholarships and Grants					
University	\$380,161	\$401,132	\$ 423,481	\$ 442,194	\$469,848
State Funds	13,933	15,028	14,741	16,465	16,615
Pell Grants	52,615	51,449	50,654	55,365	57,645
Other Federal Grants	2,831	3,076	4,551	3,717	4,661
Other Funds	<u>45,411</u>	<u>50,612</u>	<u>51,138</u>	<u>52,686</u>	<u>54,071</u>
Total Scholarships and Grants	\$494,951	\$521,297	\$544,565	\$570,427	\$602,839
Loan					
University	\$1,247	\$1,082	\$885	\$ 724	\$818
Federal Perkins	4,772	4,103	6,632	7,084	0
Federal Stafford & PLUS	351,872	345,442	347,692	343,700	338,591
Other Loans	<u>43,582</u>	<u>45,788</u>	<u>46,934</u>	<u>45,089</u>	<u>48,196</u>
Total Loans	\$401,473	\$396,415	\$402,143	\$396,596	\$387,605
Student Employment					
Federal Work-Study	\$2,979	\$2,614	\$2,865	\$ 2,842	\$3,360
University Student Payroll	<u>160,269</u>	<u>158,655</u>	<u>164,014</u>	<u>168,740</u>	<u>173,282</u>
Total Student Employment	\$163,248	\$161,269	\$166,879	\$171,583	\$176,642
Total Financial Assistance	\$1,059,672	\$1,078,982	\$1,113,587	\$1,138,606	\$1,167,086

Physical Plant

In total the University consists of 1,271 buildings and structures on 16,163 acres. The Columbus Campus programs are housed in 565 structures on the 1,666 acre campus. There are 76 additional structures located on 1,482 acres at the University's Extended Campuses. The OARDC has 363 buildings on 8,677 acres in Wooster, Ohio and eight other research farms throughout Ohio. The Molly Caren Agricultural Center in London, Ohio comprises 32 buildings on 2,092 acres. An additional 235 buildings, including county extension buildings, are located on 602 acres across Ohio. The total estimated replacement value of the University's buildings and infrastructure, all of which are either owned by the University or by the State for the use and benefit of the University is \$15.3 billion. The replacement value of the Columbus Campus alone is nearly \$13.0 billion. In 2013, the University entered into a 50-year lease and concession agreement with QIC Global Infrastructure pursuant to which the University, among other things, leased its parking lots and garages. In 2017, the University entered into a 50-year lease and concession agreement with Ohio State Energy Partners pursuant to which, among other things, the University leased its utility facilities (see related discussion in **Recent Developments**).

The Columbus Campus includes 1,666 acres comprising the east and west academic campuses, two 18-hole golf courses across 485-acres, and the 1,338-acre Don Scott Field. The Don Scott Field area contains the airport and experimental and demonstration farms and research areas on 801 acres and has 595 acres of undeveloped land. The Columbus Campus includes numerous academic and laboratory buildings and facilities, a 648 staffed bed University Hospital (does not include 356 staffed beds at the Arthur G. James Cancer Hospital and Richard J. Solove Research Institute or the 200 staffed beds at the University Hospital East), one of the largest academic research libraries in North America, 42 residence hall buildings which can house approximately 14,310 students and a 102,082-seat stadium.

In pursuit of its teaching, research, and public service missions, the University has made significant investments in its facilities. At June 30, 2019, the net book value of the University's land, buildings, improvements, equipment, library books, and construction in progress was \$5.41 billion. In Fiscal Year 2019, total University capital expenditures totaled \$584 million of which \$360 million went toward University projects and \$224 million supported

health system projects. In addition, several major construction projects are under way including new Arts District facilities, the upgrade and expansion of Postle Hall, Koffolt and Fontana Labs, the Wooster laboratory building, and the new health sciences faculty office and optometry clinic. a new terminal at the OSU Airport, various athletic facilities and the relocation of Cannon Drive. The University’s estimated future capital commitments, based on contracts and purchase orders, total approximately \$327 million at June 30, 2019.

The Ohio State University Wexner Medical Center

Part of one of the most comprehensive health sciences campuses in the country, The Ohio State University Wexner Medical Center includes the College of Medicine and its School of Health and Rehabilitation Sciences; the Office of Health Sciences, including the OSU Faculty Group Practice; various research centers, programs and institutes; The Ohio State University Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute; and the Ohio State Health System, which includes University Hospital, University Hospital East, Ohio State Harding Hospital, the Richard M. Ross Heart Hospital, Dodd Rehabilitation Hospital, the Ohio State Brain and Spine Hospital, the Ohio State Primary Care Network, Outpatient Care multispecialty facilities and Ohio State Walk-in Care Upper Arlington. The University’s Wexner Medical Center hospitals serve more than 64,000 adult inpatients and more than 1.9 million outpatients a year.

In 2019, *U.S. News & World Report* named the University’s Wexner Medical Center to its list of America’s “Best Hospitals,” based on structure, patient experience, outcomes and reputation, for the 27th consecutive year. The Wexner Medical Center was also among the 9% of hospitals in the U.S. to receive the highest rating of five stars in the most recent update to the Centers for Medicare and Medicaid Services’ Hospitals Compare website.

The Ohio State University Wexner Medical Center is at the forefront of medicine, where discovery and ingenuity in research laboratories make unique, effective therapies available to patients months, even years, before other hospitals. One of the nation’s leading academic medical centers, The Ohio State University Wexner Medical Center offers healthcare services in virtually every specialty and subspecialty in medicine. Thousands of patients come to the Wexner Medical Center each month for treatments and services they cannot find anywhere else. The Ohio State Wexner Medical Center is dedicated to improving health in Ohio and across the world through innovation in research, education and patient care.

A comparative summary of The Ohio State University Wexner Medical Center patient activity statistics for the five years ended June 30 is as follows:

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Inpatient Admissions	58,211	59,538	61,701	64,529	64,534
Outpatient Visits	1,664,152	1,724,176	1,763,707	1,815,070	1,915,176
Surgeries	40,951	41,852	44,090	44,888	46,703

University Hospital specialties include organ and tissue transplantation, women and infants, digestive diseases, bariatric surgery and minimally invasive surgery. In addition to having a Level I Trauma Center as designated by the American College of Surgeons, University Hospital is also home to a Level III Neonatal Intensive Care Unit, central Ohio’s only adult burn center and the only adult solid organ transplant program in central Ohio. University Hospital has been re-designated a Magnet® hospital by the American Nurses Credentialing Center; one of the highest awards a hospital can receive for outstanding nursing services.

Ohio State Hospital East blends academic medicine with a community-based setting in a comprehensive outpatient facility and a 200-bed hospital on Columbus’s East Side. The hospital provides a full range of medical and surgical services to patients throughout central Ohio, including orthopedics, general surgery, vascular surgery, plastic surgery, ENT, cardiovascular and pulmonary care, family medicine, general internal medicine and emergency medicine. Additionally, patients at Hospital East have access to central Ohio’s leading alcohol and drug addiction recovery services, a comprehensive wound-healing center with limb preservation program, digestive disease treatment, a full-range of diagnostic services, a sleep disorders center and outpatient oncology services.

The Ohio State Heart and Vascular Center comprises the Richard M. Ross Heart Hospital and Dorothy M. Davis Heart and Lung Research Institute (DHLRI) and is dedicated to advancing the field of cardiovascular medicine and surgery. The University’s Ross Heart Hospital is a 150-inpatient-bed facility that offers comprehensive heart and vascular care spanning every specialty from open heart surgery to electrophysiology, vascular surgery, advanced heart

failure care and emergency cardiac care. The DHLRI is one of the nation's few free-standing facilities devoted entirely to the research of diseases affecting the heart, lungs and blood vessels.

Ohio State Harding Hospital offers counseling services along with the most comprehensive inpatient and outpatient mental health and behavioral health services in central Ohio. Programs are available for adolescents, adults and older adults with complex psychiatric disorders. Ohio State Harding Hospital's team includes psychiatrists, psychologists, social workers, registered nurses, occupational therapists, recreational therapists, chaplains and licensed counselors. Treatment for anxiety disorders, panic attacks, post-traumatic stress disorders, depression, bipolar disorder, schizophrenia, ADHD and trauma occurs in a supportive environment emphasizing family participation and a return to independent living.

The only free-standing cancer hospital in central Ohio and the first in the Midwest, the University's Comprehensive Cancer Center – Arthur G. James Cancer Hospital and Richard J. Solove Research Institute (OSUCCC – James) is an international leader in cancer prevention, detection and treatment. The OSUCCC – James is a 356-bed cancer hospital, one of only 51 comprehensive cancer centers designated by the National Cancer Institute (NCI) and one of only a few institutions nationally funded by the NCI to conduct both phase I and phase II clinical trials on novel anticancer agents sponsored by the NCI. The OSUCCC – James achieved Magnet® status in 2013.

Ohio State University Physicians, Inc. (OSUP) is a not-for-profit, multispecialty physician practice that has been designated by the Board as the faculty practice plan for the College of Medicine. The University's Faculty Group Practice (FGP) is an organizational unit of the Office of Health Sciences that represents the majority of the physicians delivering care to patients at The Ohio State University Wexner Medical Center. Both OSUP and FGP physicians have an employment relationship with the College of Medicine in support of its teaching, patient care and research mission areas.

The Ohio State Brain and Spine Hospital has 116 beds, bringing together a multidisciplinary team of physicians, nurses and scientists committed to meeting the specialized needs of patients with brain and spine disorders by restoring function, optimizing recovery and providing hope. The hospital includes more than 60,000 square feet of space with dedicated units for stroke care, neurotrauma and traumatic brain injuries, spinal cord injuries and spine surgery, epilepsy, chronic pain, acute rehabilitation, neurosurgery and sleep medicine.

Dodd Rehabilitation Hospital is home to Ohio State's high-performing and nationally accredited rehabilitation inpatient program specializing in stroke, brain and spinal cord rehabilitation. The program was the first in Ohio and is dedicated to physical medicine and rehabilitation research, training and treatment. Physical medicine and rehabilitation works to restore function for a person who has been disabled as a result of a disease, disorder or injury.

On November 14, 2018, the Wexner Medical Center and Mercy Health launched Healthy State Alliance. Healthy State Alliance brings together two organizations with complementary missions, capabilities and talents to leverage their respective strengths, significantly expand access to life-changing care and improve the health of all those they serve. Early efforts will be focused on three objectives: addressing the opioid epidemic and increasing access to cancer and transplant care.

As part of its strategic planning and development process, the University and its Wexner Medical Center are continually evaluating opportunities that may involve the addition or acquisition of, or affiliation with, other organizations and enterprises including acute care hospital facilities, long-term care entities and other healthcare enterprises, or the divestiture of enterprises, operations or facilities that the University's Wexner Medical Center currently owns or operates. In addition, the University's Wexner Medical Center may engage in such discussions with health insurers, HMOs, preferred provider organizations, third-party administrators and other health insurance-related businesses. Because the healthcare field is rapidly evolving, the Wexner Medical Center is often simultaneously discussing or evaluating a variety of potential acquisitions, divestitures, combinations, affiliations, expansions and joint ventures. Many of those discussions and evaluations never progress to an actual agreement, and the University does not typically disclose such discussions or evaluations unless and until a definitive agreement is reached.

Other Public Institutions

Publicly owned higher education institutions in Ohio now include 13 state universities (with a total of 24 branches), one freestanding medical college (in addition to five at state universities) and 23 community and technical colleges. Those institutions all receive State assistance and conduct full-time educational programs in permanent facilities.

Ohio Department of Higher Education

The Ohio Department of Higher Education (formerly known as the Ohio Board of Regents) is a cabinet-level agency for the Governor of the State of Ohio that oversees higher education for the State. The Chancellor of the Ohio Department of Higher Education is an appointee of the Governor, with the advice and consent of the State Senate. The current Chancellor is Randy Gardner. The Chancellor has statewide coordinating, recommendatory, advisory and directory powers with respect to state-supported and state-assisted institutions of higher education. Among the Chancellor's powers and responsibilities are to formulate and revise a state master plan for higher education; to make recommendations to the Governor and General Assembly concerning the development of state-financed capital plans for higher education; to prepare a state plan for and be the state agency responsible for participation in federal programs relative to the construction of higher education academic facilities; to approve or disapprove the establishment of technical colleges, state institutions of higher education, community colleges and new branches or academic centers of state universities; to approve or disapprove all new degree programs at higher education institutions; to review and recommend the elimination of graduate and professional programs; to approve increases in fees and fee pledges of higher education institutions related to the issuance of new debt, and to review appropriation requests of those institutions and make recommendations to the General Assembly concerning the biennial higher education operating and capital appropriations.

The Ohio Board of Regents acts as an advisory board to the Chancellor. The Ohio Board of Regents consists of nine voting members appointed to six-year terms by the Governor with the advice and consent of the State Senate. Ex-officio non-voting members are the chairpersons of the respective education committees of the State Senate and the State House of Representatives.

FINANCIAL OPERATIONS OF THE UNIVERSITY

General

The financial statements of the University are prepared in a "business type activity" format in Governmental Accounting Standards Board (GASB) Statement No. 34, *Basic Financial Statements - and Management's Discussion and Analysis - for State and Local Governments and GASB Statement No. 35, Basic Financial Statements - and Management's Discussion and Analysis - for Public Colleges and Universities - an amendment of GASB Statement No. 34*. GASB Statement No. 35 defines business type activities as those financed in whole or in part by fees charged to external parties for goods and services. Most public colleges and universities have elected to use the business type activity format. For further information see the audited financial statements of the University as of June 30, 2019 and 2018.

Summary of Revenues, Expenses, and Other Changes in Net Position

It should be noted that the required subtotal for net operating income or loss will generally reflect a "loss" for state-supported colleges and universities such as the University. This is primarily due to the way operating and non-operating items are defined under GASB Statement No. 9, *Reporting Cash Flows of Proprietary and Nonexpendable Trust Funds and Governmental Entities That Use Proprietary Fund Accounting*. Operating expenses include virtually all University expenses, except for interest on long-term debt. Operating revenues, however, exclude certain significant revenue streams that the University and other public institutions have traditionally relied upon to fund current operations, including state instructional support, current-use gifts, and investment income.

The following “Summary of Revenues, Expenses and Other Changes in Net Position” presents summary financial information for Fiscal Years 2015 through 2019.

Summary of Revenues, Expenses and Changes in Net Position
(dollars in thousands)

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Operating Revenues:					
Tuition and fees, net*	\$850,289	\$884,805	\$927,317	\$935,893	\$969,633
Grants and contracts	691,209	683,809	737,060	757,036	782,234
Auxiliary enterprises sales and services, net	261,351	261,761	309,497	328,692	339,615
OSU Health System sales and services, net	2,357,824	2,625,075	2,844,327	3,103,891	3,432,271
OSU Physicians sales and services, net	405,619	487,429	496,364	525,796	560,322
Departmental sales and other operating revenues	<u>190,225</u>	<u>182,639</u>	<u>213,026</u>	<u>193,292</u>	<u>211,223</u>
Total operating revenues	\$4,756,517	\$5,125,518	\$5,527,591	\$5,844,600	\$6,295,298
Operating Expenses:					
Educational and general	\$2,281,828	\$2,418,561	\$2,495,255	\$2,062,211	2,721,044
Auxiliary enterprises	248,879	254,137	313,185	322,149	361,346
OSU Health System	1,970,124	2,242,256	2,595,797	2,720,988	3,109,070
OSU Physicians	373,658	441,333	444,361	484,132	507,366
Depreciation	<u>342,196</u>	<u>358,326</u>	<u>381,753</u>	<u>402,135</u>	<u>420,506</u>
Total operating expenses	\$5,216,685	\$5,714,613	\$6,230,351	\$5,991,615	\$7,119,332
Net operating income (loss)	(\$460,168)	(\$589,095)	(\$702,760)	(\$147,015)	(\$824,034)
Non-Operating Revenues (Expenses):					
State share of instruction and line-item appropriations	\$435,824	\$456,063	\$473,061	\$475,593	\$469,679
Gifts - current use	163,800	156,737	181,212	168,209	160,102
Net investment income (loss)	173,478	(10,376)	543,300	440,393	232,287
Grants, interest expense and other non-operating	12,930	(26,586)	(61,632)	(29,027)	(38,811)
Income (loss) before changes in net position	325,864	(13,257)	433,181	908,153	(777)
Changes in Net Position:					
State capital appropriations	40,868	36,381	68,270	83,217	64,900
Private capital gifts	1,688	10,422	26,761	15,470	26,565
Additions to permanent endowments	60,792	64,537	60,177	61,708	68,696
Increase (decrease) in net position	429,212	98,083	588,389	1,068,548	159,384
Net Position - beginning of year	\$6,727,831	\$4,992,309	\$5,090,392	\$5,666,558	\$5,494,631
Effect of GASB 68 Implementation (Pensions)**	(2,164,734)				
Effect of GASB 75 Implementation (OPEB)***				(1,225,012)	
Effect of GASB 81 (Irrevocable Split Interest Agreements)****			(12,223)	(15,463)	
Net Position-end of year	\$4,992,309	\$5,090,392	\$5,666,558	\$5,494,631	\$5,654,015

* Net of scholarship allowances of \$171,707, \$180,828, \$179,071, \$199,405, and \$218,936, respectively

**In Fiscal Year 2015, the University Implemented GASB Statement No. 68, Accounting and Financial Reporting for Pensions. The cumulative effect of adopting GASB 68 was a reduction in the University’s net position as of July 1, 2014. Balances reported for the year ended June 30, 2014 have not been restated due to limitations on the information available from the retirement systems.

***In Fiscal Year 2018, the University Implemented GASB Standard No.75, Accounting and Financial Reporting for OPEB. The cumulative effect of adopting GASB 75 was a reduction in the University’s net position as of July 1, 2017. Balances reported for the year ended June 30, 2017 have not been restated due to limitations on the information available from the retirement systems.

**** In Fiscal Year 2018, the University Implemented GASB Standard No.81, Irrevocable Split-Interest Agreements. The cumulative effect of adopting GASB No. 81 was a \$12,223 reduction in the University’s net position as of July 1, 2016.

The following Net Position (Equity) Summary presents net investment in capital assets, restricted – nonexpendable, restricted – expendable and unrestricted net position balances for Fiscal Years 2015 through 2019.

Net Position (Equity) Summary
(dollars in thousands)

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Net Investment in Capital Assets	\$2,396,802	\$2,382,715	\$2,364,637	\$2,488,574	\$2,749,111
Restricted – Nonexpendable	1,355,560	1,370,064	1,473,074	1,551,278	1,580,115
Restricted – Expendable	993,000	908,953	1,190,162	1,328,793	1,303,269
Unrestricted*	<u>246,947</u>	<u>428,660</u>	<u>638,685</u>	<u>125,986</u>	<u>21,520</u>
Total Net Position	\$4,992,309	\$5,090,392	\$5,666,558	\$5,494,631	\$5,654,015

*The decreases in unrestricted net position relate to the implementation of the GASB 68 pension and GASB 75 OPEB standards, as further explained in the notes to the Summary of Revenues, Expenses and Changes in Net Position.

General Receipts of the University

General Receipts pledged to the security of the Bonds include virtually all the receipts of the University, excepting only receipts expressly excluded by the Indenture. Among receipts expressly excluded are State appropriations and any grants, gifts, donations and pledges, and receipts therefrom, which under restrictions imposed in the grant or promise or as a condition of the receipt are not available for payment of Debt Service Charges.

General Receipts for the five most recent Fiscal Years were as follows:

General Receipts of the University
(dollars in thousands)

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Tuition, Fees and Other Student Charges	\$1,021,995	\$1,065,633	\$1,106,385	\$1,135,298	\$1,188,569
Unrestricted Government Grants & Contracts	76,201	76,580	82,051	84,258	89,762
Private Gifts and Grants	32,985	41,468	44,167	41,310	41,206
Unrestricted Endowment Income	15,332	18,272	22,859	28,792	41,291
Dept. & University Sales & Services	152,328	153,560	155,779	157,841	165,638
Auxiliary Sales & Services	294,586	295,554	346,260	369,891	384,556
Hospital Sales & Services	2,368,952	2,625,075	2,853,177	3,103,891	3,432,271
Other Sources	<u>32,156</u>	<u>32,379</u>	<u>53,649</u>	<u>26,687</u>	<u>33,936</u>
Total General Receipts	\$3,994,536	\$4,308,521	\$4,664,327	\$4,947,754	5,377,229

Outstanding General Receipts Obligations

The University's General Receipts Bonds (including Senior Lien Obligations and Special Purpose General Receipts Obligations), as of March 31, 2020 consist of the following:

<u>General Receipts Bonds</u>	<u>Original Amount</u>	<u>Amount Outstanding</u>
Series 1997 Bonds	\$ 79,540,000	\$15,610,000
Series 1999 B1 Bonds	83,400,000	8,200,000
Series 2001 Bonds	76,950,000	49,845,000
Series 2003 C Bonds	121,295,000	44,960,000
Series 2005 B Bonds	129,990,000	62,730,000
Series 2008 B Bonds	127,770,000	77,730,000
Series 2010 A Bonds	241,170,000	6,125,000
Series 2010 C Bonds	654,785,000	654,785,000
Series 2010 D Bonds	88,335,000	84,625,000
Series 2010 E Bonds	150,000,000	150,000,000
Series 2011 A Bonds	500,000,000	500,000,000
Series 2012 A Bonds	91,165,000	58,220,000
Series 2012 B Bonds	23,170,000	12,035,000
Series 2013 A Bonds ⁽¹⁾	337,955,000	337,955,000
Series 2014 A Bonds	135,985,000	124,250,000
Series 2014 B1 Bonds	75,000,000	75,000,000
Series 2014 B 2 Bonds	75,000,000	75,000,000
Series 2016 A Bonds	600,000,000	600,000,000
Series 2016 B Bonds	30,875,000	20,465,000
Series 2017 Bonds	<u>69,950,000</u>	<u>62,915,000</u>
Total:	\$3,692,335,000	\$3,020,450,000

(1) The Series 2013 A Bonds are currently the only outstanding series of Special Purpose General Receipts Obligations issued under the Indenture.

General Operating Budget Procedures

For its Fiscal Year 2020 Operating Budget, the University continued its long-standing approach of adopting a budget that encompasses all funds of the university. This approach affords a holistic view of all operations of the University in an easily understood format that enables the University to highlight the evolution of funding sources which allows leadership to make informed strategic decisions in a timely manner.

The University divides its operating funds budget into a general fund budget (Columbus Campus and, separately, Extended Campuses and the Agricultural Technical Institute), an earnings fund budget, and a restricted fund budget. The general fund budget includes instruction and departmental research, separately budgeted research, public service, student services, general administration, plant operation and maintenance, student aid, and reserves. general fund operating revenues are derived from two primary sources: student academic fees and State appropriations. Over the last decade, student tuition/fees, which tend to be more stable, have increased at a faster pace than State appropriations and have become the University's largest source of general fund revenue. The earnings fund budget includes all expenditures supported by the hospitals and student-generated revenues, including room and board, bookstore, intercollegiate athletics, and related income. The restricted fund budget includes all expenditures supported by revenues from grants, contracts, gifts, and donations, and appropriations from the State intended for specific purposes.

The University adopts a general fund operating budget for each fiscal year by allocating to the colleges the increases (or decreases) in State Share of Instruction, student tuition/fees, and indirect cost recoveries collected on research projects. These allocations are based on the enrollments and research efforts adjusted for each college's share

of administrative, space, research, and student services costs. Recommendations concerning fees, salaries, benefits, other revenues and expenditures, as well as budget requests for the colleges and support units are developed by the President and senior staff in consultation with the Council of Deans, Senate Fiscal Committee, and other University constituencies and are subject to review and approval by the Board of Trustees.

Fiscal Year 2020 Budget

The University’s Fiscal Year 2020 consolidated budget plan projects revenues of \$7.49 billion (3.8% annual growth) and expenditures of \$7.01 billion (4.5% annual growth) resulting in a Fiscal Year 2020 projected surplus of approximately \$480 million. Revenue growth is driven primarily by the health system with University revenue growing a more modest 3.3%. Expenditure growth is driven primarily by personnel expenses including strategic growth in health system physicians and personnel. Fiscal Year 2020 interim financial reports for each quarter are presented to the Audit, Compliance, and Finance Committee at each meeting of the Board of Trustees and are available following those meetings in the Investor Relations section of the University Treasurer’s website (<https://busfin.osu.edu/university-business/debt-management/investor-relations-continuing-disclosure>).*

** Such interim financial reports are not incorporated into and do not constitute a part of this Quarterly Update to Bondholders.*

State Operating Appropriations

All State universities in Ohio receive financial assistance for both operations and designated capital improvements through appropriations by the Ohio General Assembly. These appropriations constitute a portion of the University’s annual operating budget and contribute substantially to the successful operation and maintenance of the University. State operating appropriations are allocated across State universities based on student enrollment FTE multiplied by legislated subsidy allowances that vary by program. The following table shows historical State operating appropriations to the University for Fiscal Years 2015 through 2019 and estimated receipts for Fiscal Year 2020.

<u>Fiscal Year</u>	<u>State Operating Appropriations*</u>
2015	435,824,000
2016	456,063,000
2017	478,847,000
2018	478,444,000
2019	473,126,000
2020**	473,126,000

* Total University, including all campuses.

** Reflects FY 2020 budget as enacted.

State Capital Appropriations

Every year the University updates its five-year capital investment plan. Administrators work with colleges and central offices to prioritize capital needs, based on standing criteria and areas of emphasis. This provides the basis for a State capital appropriations request which is submitted every other year to the Chancellor of the Ohio Department of Higher Education. The request identifies the projects proposed to be financed with State appropriations by the General Assembly and the purpose, priority, amount, and source of funds for those projects. The Chancellor of the Ohio Department of Higher Education may approve, modify or disapprove aspects of the University’s capital appropriation request.

Beginning in 2012, the State transitioned its capital funding model for higher education from a formulaic approach to a more collaborative strategic model that reflects consensus recommendations of the State’s universities and community colleges. This strategic model has been continued for all recent State capital biennia. The following table shows capital spending funded, and for Fiscal Year 2020 expected to be funded, from State capital appropriations to the University for the past five fiscal biennia.

<u>Fiscal Biennium</u>	<u>State Capital Appropriations</u>
2011-12	104,920,000
2013-14	129,935,000
2015-16	77,249,000
2017-18	151,487,000
2019-20	169,761,900

State appropriations constitute a portion of the University’s annual operating and capital budgets. Under the Ohio Constitution, an appropriation may not be made for more than a two-year period. There can be no assurance that State appropriated funds for operating or capital improvement purposes will be made available in the amounts requested or required by the University. The General Assembly has the responsibility of determining such appropriations biennially and is not under a legal obligation to make appropriations in accordance with the budget requests of the University. State income and budget constraints may from time to time compel a stabilization or reduction of the level of State assistance and support for higher education in general and the University in particular. In addition, such appropriations (and other similar appropriations) are subject to subsequent limitations pursuant to an Ohio Revised Code section, implemented by the Governor from time to time in the past, which provides in part that if the Governor ascertains that the available revenue receipts and balances for the current fiscal year will in all probability be less than the appropriations for the year, he shall issue such orders to the State agencies as will prevent their expenditures and incurred obligations from exceeding such revenue receipts and balances.

Recent Developments

Total State of Ohio General Revenue Fund (GRF) appropriations are \$33.96 billion for Fiscal Year 2020 (a 1.5% increase over Fiscal Year 2019), including GRF appropriation for higher education of \$2.72 billion (an increase of 1.5% from Fiscal Year 2019). The impact of COVID was evident in April tax revenues, particularly in the income and sales taxes. Through April 30, 2020, State of Ohio GRF revenues were below estimate by \$634.3 million (-2.3%) driven by shortfalls in personal income and sales taxes which were below estimate by \$675.6 million (-9.2%) and \$159.3 million (-1.8%), respectively, and offset by a \$134.1 million overage in non-tax receipts. For the same period, spending from the State’s GRF was \$337.8 million (-1.2%) below estimate. Apart from Medicaid spending that exceeded estimate by \$116.4 million (0.9%), there was below estimate spending across all programmatic categories. As the State begins to emerge from the stay-at-home phase of the pandemic response and economic activity gradually ramps back up, the magnitude of revenue underperformance is expected to moderate. As of March 31, 2020, the unemployment rate for the State of Ohio was 5.5% and 4.2% for Franklin County. In response to the impact of the COVID-19 pandemic on economic activity within the state and in anticipation of a declining tax collections, the State has implemented a number of cost containment measures totaling \$775 million in GRF appropriation reductions, including an approximately \$109 million reduction in higher education for the remaining two months (May and June) of the current fiscal year. The University’s reduction in dollars for the remainder of fiscal year 2020 is expected to be approximately \$18.4 million.

The University continues to make significant investments in access and affordability, increasing its commitment to need-based financial aid by more than \$100 million over the past four years and via the Ohio State Tuition Guarantee (introduced in Autumn 2017) which provides first-year, in-state students with predictability about the cost of tuition, general fees, housing and dining for four years. The University has continued its tuition guarantee for a third cohort of first year, in-state students in Autumn 2019. Tuition and fees now support 76% of the cost of instruction with the remainder funded through State Share of Instruction. The University has focused new and expanded financial aid programs on Ohio students who demonstrate financial need. With another \$25 million committed to President’s Affordability Grants this fiscal year, the University has dedicated \$110 million over five years to support low-and moderate-income Ohio students. The University also established the Buckeye Opportunity Program in Autumn 2018, ensuring that Ohio students who qualify for Pell Grants receive an aid package that covers the full cost of tuition and mandatory fees. The program supports an estimated 4,200 students per year and is funded through a new endowment created from proceeds of the Comprehensive Energy Management partnership.

In support of its Digital Flagship program, the University has integrated learning technology throughout the Ohio State experience. Beginning in Autumn 2018 and continuing through Autumn 2020, incoming first-year students at all campuses receive an iPad Pro as part of their academic toolkit. Faculty members have ramped up courses specifically designed to take advantage of widespread access to this technology. Additionally, the University continues

to expand its investments in programs that support teaching excellence, such as the University Institute for Teaching and Learning. The Institute works with faculty throughout the University to extend best practices and instruction.

In July 2017, the University entered into a 50-year agreement to lease the University's utility system to Ohio State Energy Partners LLC (the "Concessionaire"), and granted the Concessionaire the exclusive right to operate, maintain and make capital investments in the utility system and to charge the University a utility fee in connection therewith, which includes fixed, variable and operating and maintenance components. The variable rate portion of the utility fee reflects the University's obligation to reimburse the Concessionaire over time for costs incurred by the Concessionaire in completing approved projects. The University's Board of Trustees approved capital improvement projects to the University's utility system to be commenced in Fiscal Year 2020 in an aggregate amount of \$362 million. Certain projects require additional Board and regulatory approval. The variable rate portion of the utility fee for Fiscal Year 2019 was \$1.2 million.

As previously reported in the University's prior updates filed with EMMA, after receiving a complaint from a former student-athlete in April 2018, the University initiated an independent investigation into allegations of sexual misconduct by a former University physician, Dr. Richard Strauss. Strauss was employed from 1978-1998 and died in 2005. In May 2019, the University released a report from the independent investigators that detailed acts of sexual abuse against at least 177 former students by Strauss during his employment with the University. A total of 23 civil actions related to this investigation have been filed against the University.

The University and the claimants in the 23 civil actions have been participating in a confidential mediation process overseen by the federal court. The University has recently reached a \$40.9 million settlement with the 162 survivors in 12 of the 23 civil actions. Amounts received by survivors will vary by individual as awarded by a special master. The special master, independent of the University and experienced in the area of sexual trauma claim evaluation, will oversee the settlement process. The 12 settled actions will result in resolution of claims that have been brought by nearly half of the individuals who originally brought claims against the University.

No taxpayer, tuition or donor funds will be utilized to pay any settlement amounts for the 12 settled actions. All funds to be paid as part of the settlement will be drawn from existing institutional discretionary funding.

The University continues to participate in the mediation process with the claimants involved in the remaining civil actions. It is possible that additional lawsuits could be filed. While litigation is inherently unpredictable and the outcome of the pending and potential litigation cannot be determined at this time, management of the University is of the opinion that the aggregate amount that may ultimately be paid by the University with respect to these legal actions will not have a material adverse effect on the University's ability to meet its obligations to holders of General Receipts Obligations or to satisfy its other financial commitments.

Ohio State University President Michael V. Drake, MD, who has served as president of the University since June 2014, has announced that he will transition out of that role while continuing to serve through at least the end of the academic year. President Drake's career in higher education spans four decades, including the last 15 as a university president or chancellor. The University has launched a national search for its next president, and trustee Lewis Von Thae is serving as the chair of the search committee. President Drake said he has always envisioned that the University would begin a search while he still served as president in order to provide continuity in leadership.

In October 2019, the University launched its most ambitious community-building and fundraising endeavor in history. Known as *Time and Change: The Ohio State Campaign*, the campaign celebrates the University's 150th year and strives to engage a record one million supporters with a financial goal of \$4.5 billion. The campaign is centered on three core areas of focus: i) student success; ii) research and discovery; and iii) healthy, vibrant communities.

The University remains committed to protecting and growing student financial aid and to increasing the compensation of University faculty to enhance the ability of the University to attract and retain outstanding faculty. The University will reallocate resources if necessary to meet these goals. The University will continue to plan for and budget the amount of its General Receipts required for the payment of debt service. It is the judgment of the University that while there will always be some uncertainty in the level of continued State support it receives, the level of State funding will not materially impair the University's ability to either satisfy its debt service obligations or carry out the educational mission of the University.

COVID-19 Pandemic

The information set forth below is current as of the date of this Quarterly Update to Bondholders. Because of the evolving nature of the circumstances described below, it is very likely those circumstances will continue to change.

COVID-19 in Ohio

As widely reported, the outbreak of COVID-19, a new strain of coronavirus that can result in severe respiratory disease, was first detected in December of 2019, and has spread across six continents impacting many countries, including the United States. COVID-19 has been declared a pandemic by the World Health Organization. The COVID-19 outbreak is altering the behavior of businesses and people in a manner that is expected to have negative effects on global and local economies, including the State of Ohio. In response to the public health crisis, the Governor of Ohio and the Director of the Ohio Department of Health (“ODH”) took certain actions to limit the spread of the virus and its impact on the State’s local communities and health care services, including the declaration of a state of emergency in the State and the closure of all non-essential businesses commencing on March 23, 2020.

Commencing on May 1, 2020, the State began a phased-in process of reopening certain businesses. The first phase applied to health care, allowing for non-essential surgeries and procedures that do not require an overnight hospital stay to commence on May 1, 2020, as well as the reopening of dental and veterinary practices. The second phase applied to manufacturing, distribution and construction companies, and allowed such businesses to commence operations, and offices to reopen, on May 4, 2020, as long as social distancing precautions and other safety practices were followed. The final phase allowed for retail businesses to reopen on May 12, 2020 as long as social distancing precautions and other safety practices were followed. Notwithstanding the phased-in reopening of businesses in Ohio, it is not possible to determine at this time whether or when business activities will return to a pre-pandemic level.

The University’s Response to Date

On March 13, 2020, the University announced that it would suspend face-to face instruction and transition to remote instruction for the remainder of the spring semester. On April 1, 2020, the University announced that the suspension of face-to-face instruction will extend through the summer semester. With limited exceptions, all University events have been cancelled through July 6, 2020. Nearly all University housing and dining facilities were closed on March 22, 2020 and will remain closed through the summer semester. The University has provided students housing and dining reimbursement and reimbursement of certain fees (i.e., recreational fees) on a pro rata basis from March 16, 2020 through the end of spring semester. The approximate cost of the housing refund and the dining refund are \$22 million and \$10 million, respectively. The approximate cost of refunding recreational fees is \$2.4 million.

In accordance with the policy of the University’s Office of Human Resources relating to disaster preparedness, on March 22, 2020 the President of the University declared a “University State of Emergency” that allows flexibility for employees to continue to telework while enabling University senior leadership and college deans to make determinations of who may work on campus to maintain critical services and research. This declaration applies to the Columbus campus, regional campuses and the Wexner Medical Center and is made weekly. As of the date of this Quarterly Update to Bondholders, the University remains in a State of Emergency.

Effective March 20, 2020, the University instituted a hiring freeze for all non-essential positions through June 30, 2020. The University has also completed an assessment of its current and planned capital projects to determine where scope adjustments and pauses are appropriate until the full impact of COVID-19 is known. While certain projects, particularly larger projects well into the construction phase, will continue as planned, a number of projects have been slowed or modified.

The University is evaluating further cost containment measures. Senior leadership updates representatives of the Board of Trustees weekly regarding the potential impacts of the COVID-19 pandemic (financial and operational) and the measures the University is taking in response. In addition, the University is engaging in financial contingency planning, and has asked all colleges and support units to prepare a range of budget projection scenarios for Fiscal Year 2021.

The federal government has undertaken an array of actions designed to provide assistance to colleges and universities as well as healthcare systems in dealing with the effects of the COVID-19 pandemic, including a \$14 billion allocation in the Coronavirus Aid, Relief and Economic Security Act (“CARES Act”) to higher education institutions. The University’s share of the CARES Act allocation to higher education institutions is estimated to be \$42.9 million (with 50% of such allocation required to be provided to students in the form of emergency financial aid grants) based on analysis prepared by the Association of Public and Land-grant Universities. The CARES Act also established a \$100 billion allocation for a health care provider relief fund with distributions to health care systems occurring in two rounds with round 1 based on 6.2% of total Medicare payments received in federal FY 2019 and round 2 based on 2% of prior year net patient revenue. The University Hospital system and the James Cancer Hospital have received total funding for both rounds of \$72.3 million. The U.S. Department of Health and Human Services is also providing accelerated advance payments of Medicare reimbursements to health systems that, in effect, provide an interest free loan for 120 days, with repayments set to occur after that period by netting the advanced amount against future Medicare claim amounts. The University has applied for \$271.9 million in advance Medicare payments under this program and has received \$140.4 million to date. It is not presently possible to estimate the full extent to which the University will benefit from all such federal assistance and the timing of receipt of such assistance.

On April 17, 2020, the University launched a post-pandemic operations task force to develop a plan to transition back to on-campus operations. The task force includes leaders from across the University and will use a data-driven approach for recommending when it is safe to begin transitioning faculty, staff and students back onto University campuses.

Potential Impact of COVID-19 Pandemic on the University’s Financial Position

The full impact of COVID-19 and the scope of any adverse impact on University finances and operations cannot be fully determined at this time. Adverse consequences of the COVID-19 pandemic may include, but are not limited to: decline in enrollment (including a disproportional decline in enrollment by international students); decline in demand for University housing; decline in demand for University programs that involve travel or that have international connections; postponement or cancellation of athletic events; a decrease in availability of student loan funds or other student financial aid; reductions in funding support from donors or other external sources; a decline in research funding, including research funding from the U.S. government; a significant decline in the University's investments based on market declines or other external factors; and a decrease in financial support from the State of Ohio whether through decreased appropriations or otherwise.

On March 17, 2020 the Director of the Ohio Department of Health issued an order temporarily recommending that non-essential or elective surgeries and procedures not be conducted at Ohio hospitals. The temporary suspension of performance of elective procedures was recommended to create capacity for a potential increase in COVID-19 patients, but will have a negative effect on the FY 2020 and possibly FY 2021 revenue of the University’s Wexner Medical Center (the “Wexner Medical Center”). The recommendation to suspend non-essential or elective surgeries and procedures was withdrawn effective on May 1, 2020, but it is not presently possible to determine whether or when the volume of non-essential or elective surgeries and procedures will return to pre-pandemic levels.

The Wexner Medical Center is currently engaged in a budgetary control and contingency planning initiative. This initiative is intended to address immediate patient care needs during the pandemic as well as plan for the resumption of health care services and procedures that were limited or reduced as a result of the COVID-19 outbreak.

It is not possible at this time to reliably project the direct financial impact of the COVID-19 outbreak on the University’s operating revenues and expenses. As a result, the budgets and projections contained in this Quarterly Update to Bondholders have not been updated to reflect the potential impact of the COVID-19 outbreak. As more accurate information on the impact of COVID-19 becomes available, University budgets and forecasts will be adjusted to take into account current immediate trends to enable the University to anticipate the effects on the University’s financial position.

Investments and Liquidity

Financial markets have recently experienced unprecedented turbulence, attributable to: (i) the potential impact of COVID-19 on world economies; (ii) oil prices; and (iii) the possibility of an economic recession in the United States. This may affect the returns on the University's investment portfolio and therefore it is possible that the University will experience lower returns than the returns reflected in its recent financial statements.

The University regularly reviews its liquidity position and has intensified that focus based on the significant actual and expected effects of the COVID-19 pandemic on the resources of the University. Investment values have declined significantly, particularly during March 2020, and financial markets are exhibiting unusual volatility. As of March 31, 2020, the University had total operating fund cash and investments valued at approximately \$5.12 billion, of which \$2.06 billion can be converted to cash on a same day basis, \$1.57 billion can be converted to cash on a next-day basis and \$1.49 billion can be converted to cash in between 2 and 7 days. As of March 31, 2020, and based on Fiscal Year 2020 average daily spending, the University has liquid assets on hand to cover approximately 266 days of spending.

Grants and Contracts

During Fiscal Year 2019, the University's expenditures on research totaled \$931 million. Over half of these expenditures (\$498 million) came from various federal agencies. The National Institutes of Health (\$241 million), the National Science Foundation (\$51 million), the Department of Energy (\$27 million), the Department of Defense (\$40 million), and the Department of Agriculture (\$34 million) were the primary federal sponsors. The remaining \$433 million came from non-federal sources (industry, state, other non-governmental entities and institutional funds) with institutional funds (\$138 million) and industrial sponsors (\$158 million) being the primary sources.

The University's total research expenditures, as reported to the National Science Foundation, are managed by a number of administrative units. The primary administrative unit for external funding awarded to the University's investigators in Fiscal Year 2019 was the Ohio State University Office of Sponsored Programs, which managed the majority of the awards to academic units. In addition, some funds (primarily block grants from the U.S. Department of Agriculture) are administered by the OARDC. Research expenditures by the University's investigators at the Research Institute at Nationwide Children's Hospital and the Transportation Research Center are also included in the University's total research expenditures. Institutional funds reflect the University's investment in the research enterprise and include cost-sharing on grants for items such as facilities, equipment and graduate associate tuition.

The following tables show grant and contract expenditures for sponsored projects for Fiscal Years 2015-2019 by administering unit and grant and contract awards for the same time period. Note that total awards and total expenditures will not precisely match, because awards often include multiple years of funding, whereas expenditures reflect activity in a single Fiscal Year. In addition, institutional contributions are not included in the awards table.

Grant and Contract Expenditures by Administering Unit (dollars in thousands)

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
OSU Research Foundation	\$539,717	\$515,613	\$534,629	\$539,660	\$582,492
Ohio Agricultural R&D Center	31,937	30,719	31,525	30,278	30,178
Research Institute at Nationwide Children's Hospital	66,621	63,873	74,003	74,911	88,887
Transportation Research Center	32,528	39,161	45,515	48,240	38,633
Institutional Funds	236,336	144,158	127,297	128,966	138,213
Other	54,858	53,569	51,358	52,959	52,713
Totals	<u>\$961,997</u>	<u>\$847,093</u>	<u>\$864,327</u>	<u>\$875,014</u>	<u>\$931,116</u>

**Grant and Contract Awards by Administering Unit
(dollars in thousands)**

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
OSU Research Foundation	\$515,775	\$549,747	\$571,910	\$575,470	\$621,174
Ohio Agricultural R&D Center	35,026	33,790	35,279	33,723	32,013
Research Institute at Nationwide Children's Hospital	95,160	66,308	72,552	51,480	103,824
Transportation Research Center	32,528	39,161	45,515	48,240	39,125
Other	71,440	72,049	82,623	85,925	94,411
Totals	\$749,929	\$761,055	\$807,879	\$794,838	\$890,547

The following table shows grant and contract expenditures for Fiscal Years 2015-2019 by source of funds.

**Grant and Contract Expenditures by Source
(dollars in thousands)**

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Federal Sponsors					
National Institutes of Health	\$196,794	\$204,530	\$217,471	\$221,833	\$241,206
National Science Foundation	52,197	53,077	50,740	50,971	51,067
Department of Education	36,653	22,124	17,221	13,096	11,912
Department of Defense	34,604	31,672	31,139	34,579	39,550
Department of Energy	18,452	19,104	21,563	25,163	26,718
Department of Labor	3,784	15,369	12,047	12,489	12,600
Department of Agriculture	31,120	31,461	32,136	34,553	33,905
National Aeronautics and Space Administration	6,157	7,330	7,288	8,721	10,014
Other Federal Agencies	87,985	72,186	74,706	73,589	70,740
Total Federal Sources	\$467,746	\$456,853	\$464,311	\$474,994	\$497,712
Industry	\$119,272	\$127,738	\$146,317	\$138,916	\$158,151
State of Ohio	70,593	52,637	54,591	58,211	61,167
Other Non-Federal Agencies	68,050	65,706	71,811	73,927	75,873
Institutional funds	236,336	144,159	127,297	128,966	138,213
Total Non-Federal Sources	\$494,251	\$390,240	\$400,016	\$400,020	\$433,404
Total All Sources	\$961,997	\$847,093	\$864,327	\$875,014	\$931,116

The following table shows total grant and contract awards for Fiscal Years 2015-2019 by source of funds.

**Grant and Contract Awards by Source
(dollars in thousands)**

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>
Federal Sponsors					
National Institutes of Health	\$222,706	\$217,585	\$237,513	\$226,048	\$298,983
National Science Foundation	62,233	56,925	59,359	54,139	52,607
Department of Education	19,200	20,666	16,105	12,239	11,923
Department of Defense	34,759	31,537	33,149	44,116	50,235
Department of Energy	19,323	25,098	26,685	32,505	30,061
Department of Labor	9,583	9,005	13,926	13,266	12,298
Department of Agriculture	35,291	30,017	34,255	34,020	46,859
National Aeronautics and Space Administration	7,292	8,991	7,095	10,793	9,493
Other Federal Agencies	69,685	77,283	78,663	71,627	81,359
Total Federal Sources	<u>\$480,072</u>	<u>\$477,107</u>	<u>\$506,750</u>	<u>\$498,753</u>	<u>\$594,448</u>
Industry	\$122,616	\$128,163	\$140,469	\$144,421	\$136,818
State of Ohio	75,251	76,394	53,241	57,421	46,165
Other Non-Federal Agencies	71,990	79,391	107,419	94,243	113,116
Total Non-Federal Sources	<u>\$269,857</u>	<u>\$283,948</u>	<u>\$301,129</u>	<u>\$296,085</u>	<u>\$296,099</u>
Total All Sources	\$749,929	\$761,055	\$807,879	\$794,838	\$890,547

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The Office of University Advancement

The Ohio State University Foundation (the “Foundation”) is a not-for-profit organization formed in April 1985 which operates exclusively for the benefit of the University. The Ohio State University Foundation is the primary fundraising and gift receiving organization for the University. Through the Foundation and the Office of University Advancement, contributions to the University can be made for current use or to the Endowment Fund. The University will accept gifts and bequests of cash, securities, real estate, tangible and intangible property, life insurance, and life income programs such as pooled income funds, charitable remainder annuity trusts, or charitable remainder unitrusts and gift annuities.

The following table shows gifts and bequests to the University from individuals, businesses and other organizations during each of the Fiscal Years listed below (dollars in thousands):

<u>Fiscal Year</u>	<u>Gifts</u>	<u>Endowment Contributions</u>	<u>Private Capital Gifts</u>	<u>Total</u>
2015	\$163,800	\$60,792	\$1,688	\$226,280
2016	\$156,737	\$64,537	\$10,422	\$231,696
2017	\$181,212	\$52,458	\$26,761	\$260,431
2018	\$168,209	\$55,579	\$15,470	\$239,258
2019	\$160,102	\$45,533	\$26,565	\$232,200

The University Endowment Fund

The University Endowment Fund is comprised of 2,742 individual funds and contains all endowment funds that were established before April 1985. The Fund is invested in the Long-Term Investment Pool and is comprised of a diversified portfolio consisting of equity, fixed income and alternative investments. The market value of the Fund at June 30 of each of the past five Fiscal Years was:

<u>Fiscal Year</u>	<u>Market Value</u>
2015	\$1,047,984,898
2016	\$977,172,750
2017	\$1,062,320,663
2018	\$1,104,235,903
2019	\$1,070,008,194

As of March 31, 2020, the market value of the fund was \$973,113,575.

The Ohio State University Foundation

The Foundation administers Unrestricted, Restricted, Endowment and Trusts and Pooled Income Funds for the benefit of the University. The market value of the 3,195 endowment funds held by the Foundation that are invested in the Long-Term Investment Pool at June 30 for the past five Fiscal Years was:

<u>Fiscal Year</u>	<u>Market Value</u>
2015	\$757,158,186
2016	\$763,331,888
2017	\$877,261,330
2018	\$958,749,667
2019	\$969,428,976

As of March 31, 2020, the market value of the fund was \$914,944,801.

The Long-Term Investment Pool

The University's Long-Term Investment Pool (which includes the University Endowment Fund, Foundation Endowments and certain Operating Funds) is the sixth largest endowment fund of any public university or college in the United States based on information from the 2018 National Association of College and University Business Officers endowment study. The market value of the Long-Term Investment Pool at June 30 for the past five Fiscal Years was:

<u>Fiscal Year</u>	<u>Market Value</u>
2015	\$3,659,386,806
2016	\$3,616,562,386
2017	\$4,253,459,135
2018	\$5,211,434,116
2019	\$5,256,758,783*

* LTIP market value was impacted by a combination of below benchmark performance across asset classes and a \$101 million reduction in the fair value of certain natural resources and oil and gas investments.

As of March 31, 2020, the market value of the LTIP was \$4,876,119,326 consisting of the following investment types and market values:

<u>Investment Type</u>	<u>Market Value</u>
Equity	\$2,035,639,261
Private Equity	1,175,206,583
Real Assets	541,726,351
Absolute Return/Hedge	364,861,906
Fixed Income	742,195,962
Cash	<u>16,489,263</u>
Total	\$4,876,116,326

The total returns on the long-term portfolio net of investment fees for the period ending March 31, 2020 were:

One year	-5.62%
Three year	1.94%
Five year	2.70%

The University distributed approximately \$220.0 million and \$204.0 million of endowment funds for operations in fiscal years ending June 30, 2019 and 2018, respectively.

The Short and Intermediate-Term Pool

The University's Short and Intermediate-Term Pool represents funds available for operating and capital purposes. The market value of the Short and Intermediate-Term Investment Pool at June 30 for the past five Fiscal Years was:

<u>Fiscal Year</u>	<u>Market Value</u>
2015	\$1,949,304,734
2016	\$2,621,075,390
2017	\$2,695,253,693
2018	\$3,354,477,321
2019	\$3,552,872,175

As of March 31, 2020, the market value of the Short and Intermediate-Term Pool was \$3,637,362,292 and the pool consisted of the following investment types and market values:

<u>Investment Type</u>	<u>Market Value</u>
Bank Accounts	\$1,202,018,358
Money Market Funds	\$861,749,133
U.S. Gov't & Agency Bonds	\$313,720,392
Asset Backed Securities	\$279,304,727
Corporate Bonds	\$952,900,474
Municipal Bonds	\$11,600,799
Other Fixed Income	\$16,068,410
Total	\$3,637,362,292

Insurance Coverage

All real and business property (buildings and their contents) of the University are insured under a blanket (all risk) insurance policy. The policy insures all buildings and their contents on a replacement cost basis. The policy also includes business interruption, boilers and machinery breakdown. The University self-funds all deductibles. Buildings under construction are insured under Builders Risk policies obtained by the individual contractors or in some cases by Builders Risk policies owned by the University.

With limited exceptions, all owned, leased, rented or borrowed motor vehicles are self-insured for property damage with liability coverage provided by the University's Excess Liability Program, including Auto are subject to a self-insured retention. All owned or leased aircraft are also insured with liability coverage covered under a separate aviation policy.

The University maintains a self-insurance program for potential medical malpractice liabilities arising from operations of the University's Medical Center.

The University has purchased a high deductible Cyber Liability insurance policy, and our property policy includes some cyber coverage. Subject to the deductible and the policy limits, the policies will reimburse costs for corrupted, erased and altered electronic data arising out of cyber peril or other covered loss worldwide. It will pay for covered equipment, electronic devices and storage media that was rendered useless for its intended purpose, due to the introduction of malicious code. Coverage also includes reimbursement from Denial of Service attacks.

Workers' Compensation is self-insured by the University with the purchase of excess insurance for a catastrophic loss.

Capital Programs and Additional Financing

The University has an on-going capital improvement program consisting of new construction and the remodeling/rehabilitation of existing facilities. Capital improvement projects are expected to be funded from a variety of sources, including gifts, state appropriations, debt financing and University funds. As of June 30, 2019, the University had authorization for the following projects:

<u>Project Status</u>	<u>Number</u>	<u>Total Project Cost (dollars in thousands)</u>
In Design	85	\$484,500
Under Construction	164	826,100
Emerging Projects*	78	79,400
Total	327	\$1,390,000

* Projects not yet hired or designed