

Worcester Polytechnic Institute

**Report on Federal Awards in Accordance with the
OMB Uniform Guidance**

Year Ended June 30, 2020

Entity Identification Number: 04-2121659

Worcester Polytechnic Institute

Index

June 30, 2020 and 2019

	Page(s)
I. Consolidated Financial Statements, Schedule of Expenditures of Federal Awards, and Schedule of Financial Responsibility Ratios	
Report of Independent Auditors	1–2
Consolidated Financial Statements	3–33
Schedule of Financial Responsibility Ratios.....	34
Note to Schedule of Financial Responsibility Ratios.....	35
Schedule of Expenditures of Federal Awards	36–38
Notes to Schedule of Expenditures of Federal Awards.....	39
II. Reports on Internal Control And Compliance	
Report of Independent Auditors on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with <i>Government Auditing Standards</i>	40–41
Report of Independent Auditors on Compliance with Requirements That Could Have a Direct and Material Effect on Each Major Program and on Internal Control over Compliance in Accordance with Uniform Guidance	42–44
III. Audit Findings and Questioned Costs	
Schedule of Findings and Questioned Costs.....	45-46
Schedule of Status of Prior Audit Finding	47
Management’s Views and Corrective Action Plan.....	48

Part I

**Consolidated Financial Statements, Schedule of Expenditures of
Federal Awards, and Schedule of Financial Responsibility Ratios**



Report of Independent Auditors

To the Board of Trustees of
Worcester Polytechnic Institute

Report on the Consolidated Financial Statements

We have audited the accompanying consolidated financial statements of Worcester Polytechnic Institute and its subsidiaries (the "University"), which comprise the consolidated statements of financial position as of June 30, 2020 and 2019, and the related consolidated statements of activities and of cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Consolidated Financial Statements

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

Auditors' Responsibility

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

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



Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Worcester Polytechnic Institute and its subsidiaries as of June 30, 2020 and 2019, and their changes in their net assets and their cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note 1 to the consolidated financial statements, the University changed the manner in which it accounts for leases in 2020. Our opinion is not modified with respect to this matter.

Other Matters

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule of expenditures of federal awards for the year ended June 30, 2020 is presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) and is not a required part of the consolidated financial statements. The information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures, in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated, in all material respects, in relation to the consolidated financial statements taken as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated November 2, 2020, except with respect to Note 20 to the financial statements and the opinion on the schedule of financial responsibility ratios, as to which the date is June 22, 2021, on our consideration of University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended June 30, 2020. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

Boston, Massachusetts

November 2, 2020, except with respect to Note 20 to the financial statements and the opinion on the schedule of financial responsibility ratios, as to which the date is June 22, 2021

Worcester Polytechnic Institute
Consolidated Statements of Financial Position
June 30, 2020 and 2019

<i>(in thousands)</i>	2020	2019
Assets		
Cash and cash equivalents	\$ 45,848	\$ 39,646
Accounts receivable, net	12,515	12,260
Contributions receivable, net	23,741	9,124
Funds held under bond agreements	92,185	378
Prepaid expenses and other assets	7,713	7,494
Student loans receivable, net	15,717	17,110
Beneficial interest in trusts	14,869	17,061
Investments	518,260	551,282
Land, buildings and equipment, net	433,529	370,538
Total assets	<u>\$ 1,164,377</u>	<u>\$ 1,024,893</u>
Liabilities		
Accounts payable and accrued liabilities	\$ 39,140	\$ 32,633
Deposits and deferred revenue	14,743	10,117
Lease liabilities	16,945	-
Liabilities under split-interest agreements	7,141	7,861
Funds held for others	4,787	4,290
Asset retirement obligations	1,336	1,831
Refundable government loan funds	9,624	9,492
Bonds and notes payable	408,886	278,150
Interest rate agreements	9,954	7,799
Total liabilities	<u>512,556</u>	<u>352,173</u>
Net assets		
Without donor restrictions	299,833	322,876
With donor restrictions		
Time or purpose	126,924	128,976
Perpetual	225,064	220,868
Total net assets	<u>651,821</u>	<u>672,720</u>
Total liabilities and net assets	<u>\$ 1,164,377</u>	<u>\$ 1,024,893</u>

The accompanying notes are an integral part of these consolidated financial statements.

Worcester Polytechnic Institute
Consolidated Statement of Activities
Year Ended June 30, 2020

<i>(in thousands)</i>	Without Donor Restrictions	With Donor Restrictions	Total
Operating revenues			
Tuition and fees	\$ 184,606	\$ -	\$ 184,606
Other educational activities	2,825	-	2,825
Contributions	4,617	15,458	20,075
Contract and exchange transactions	37,663	-	37,663
Investment income on endowment and similar funds	4,149	96	4,245
Net realized gains on endowment used for operations	9,836	9,270	19,106
Other investment income	859	917	1,776
Sales and services of auxiliary enterprises	25,213	-	25,213
Other	6,481	-	6,481
Total revenues	<u>276,249</u>	<u>25,741</u>	<u>301,990</u>
Net assets released from restriction	<u>14,107</u>	<u>(14,107)</u>	<u>-</u>
Total revenues and other support	<u>290,356</u>	<u>11,634</u>	<u>301,990</u>
Operating expenses			
Instruction and department research	130,486	-	130,486
Sponsored research and other sponsored programs	32,802	-	32,802
External relations	13,066	-	13,066
Institution and academic support	57,378	-	57,378
Student services	26,283	-	26,283
Auxiliary enterprises	29,185	-	29,185
Total operating expenses before early retirement incentives	<u>289,200</u>	<u>-</u>	<u>289,200</u>
Early retirement incentives	<u>5,130</u>	<u>-</u>	<u>5,130</u>
Total operating expenses	<u>294,330</u>	<u>-</u>	<u>294,330</u>
Change in net assets from operating activities	<u>(3,974)</u>	<u>11,634</u>	<u>7,660</u>
Nonoperating			
Net realized and unrealized losses on investments	(1,964)	(7,736)	(9,700)
Net realized gains on endowment used for operations	(9,836)	(9,270)	(19,106)
Net unrealized losses on beneficial interest in trusts	-	(1,853)	(1,853)
Change in value of split-interest agreements	-	142	142
Contributions	-	9,560	9,560
Net realized and unrealized losses on interest rate agreements	(3,193)	-	(3,193)
Loss on disposal of land, buildings and equipment	(4,409)	-	(4,409)
Change in net assets from nonoperating activities	<u>(19,402)</u>	<u>(9,157)</u>	<u>(28,559)</u>
Net assets released from restriction	<u>333</u>	<u>(333)</u>	<u>-</u>
Total change in assets from nonoperating activities	<u>(19,069)</u>	<u>(9,490)</u>	<u>(28,559)</u>
Total change in net assets	<u>(23,043)</u>	<u>2,144</u>	<u>(20,899)</u>
Net assets			
Beginning of year	<u>322,876</u>	<u>349,844</u>	<u>672,720</u>
End of year	<u>\$ 299,833</u>	<u>\$ 351,988</u>	<u>\$ 651,821</u>

The accompanying notes are an integral part of these consolidated financial statements.

Worcester Polytechnic Institute
Consolidated Statement of Activities
Year Ended June 30, 2019

<i>(in thousands)</i>	Without Donor Restrictions	With Donor Restrictions	Total
Operating revenues			
Tuition and fees	\$ 179,722	\$ -	\$ 179,722
Other educational activities	4,040	-	4,040
Contributions	4,524	3,452	7,976
Contract and exchange transactions	37,127	-	37,127
Investment income on endowment and similar funds	4,740	58	4,798
Net realized gains on endowment used for operations	8,735	9,231	17,966
Other investment income	1,570	753	2,323
Sales and services of auxiliary enterprises	32,846	-	32,846
Other	5,389	-	5,389
Total revenues	<u>278,693</u>	<u>13,494</u>	<u>292,187</u>
Net assets released from restriction	13,098	(13,098)	-
Total revenues and other support	<u>291,791</u>	<u>396</u>	<u>292,187</u>
Operating expenses			
Instruction and department research	131,278	-	131,278
Sponsored research and other sponsored programs	28,637	2,500	31,137
External relations	12,514	-	12,514
Institution and academic support	55,804	298	56,102
Student services	25,747	-	25,747
Auxiliary enterprises	31,732	-	31,732
Total operating expenses	<u>285,712</u>	<u>2,798</u>	<u>288,510</u>
Change in net assets from operating activities	<u>6,079</u>	<u>(2,402)</u>	<u>3,677</u>
Nonoperating			
Net realized and unrealized gains/(losses) on investments	10,717	8,001	18,718
Net realized gains on endowment used for operations	(8,735)	(9,231)	(17,966)
Net unrealized gains on beneficial interest in trusts	-	354	354
Change in value of split-interest agreements	(37)	(194)	(231)
Contributions	-	9,873	9,873
Net realized and unrealized losses on interest rate agreements	(2,831)	-	(2,831)
Loss on extinguishment of debt	-	-	-
Change in net assets from nonoperating activities	<u>(886)</u>	<u>8,803</u>	<u>7,917</u>
Net assets released from restriction	10,675	(10,675)	-
Total Change in assets from nonoperating activities	<u>9,789</u>	<u>(1,872)</u>	<u>7,917</u>
Total change in net asset	<u>15,868</u>	<u>(4,274)</u>	<u>11,594</u>
Net assets			
Beginning of year	307,008	354,118	661,126
End of year	<u>\$ 322,876</u>	<u>\$ 349,844</u>	<u>\$ 672,720</u>

The accompanying notes are an integral part of these consolidated financial statements.

Worcester Polytechnic Institute

Consolidated Statements of Cash Flows

Years Ended June 30, 2020 and 2019

(in thousands)

	2020	2019
Cash flows from operating activities		
Change in net assets	\$ (20,899)	\$ 11,594
Adjustments to reconcile change in net assets to net cash provided by operating activities		
Depreciation, amortization, and accretion	26,245	23,791
Provision for uncollectible receivables	1,219	709
Loss on disposals of land, buildings, and equipment	4,409	103
Net realized and unrealized losses (gains) on investments	10,084	(17,266)
Net unrealized gains on interest rate agreements	2,296	1,991
Contributions other than cash	(502)	(5)
Contributions restricted for long-term investment	(9,560)	(9,970)
Proceeds from sale of donated securities	1,487	1,404
Changes in assets and liabilities		
Accounts receivable	(675)	(5,019)
Contributions receivable	(15,391)	(1,411)
Prepaid expenses and other assets	(220)	20
Accounts payable and accrued liabilities	7,001	(1,983)
Deposits and deferred revenue	4,626	(2,936)
Operating Lease Liabilities	(1,460)	-
Split-interest agreements	(720)	(623)
Funds held for others	497	113
Asset retirement obligations	(496)	(218)
Refundable government loan funds	132	133
Total adjustments	<u>28,972</u>	<u>(11,167)</u>
Net cash provided by operating activities	<u>8,073</u>	<u>427</u>
Cash flows from investing activities		
Proceeds from sales and maturities of investments	68,619	81,686
Purchase of investments	(52,560)	(72,001)
Purchase of land, buildings, and equipment	(68,171)	(44,669)
Use of funds held under bond agreements	-	3,222
Disbursement of loans to students	(2,428)	(2,473)
Repayment of loans from students	3,798	3,718
Net cash used in investing activities	<u>(50,742)</u>	<u>(30,517)</u>
Cash flows from financing activities		
Contributions restricted for long-term investment	9,560	9,970
Deferred financing costs	(921)	-
Realized loss on interest rate agreements	(141)	(141)
Proceeds from long-term debt	137,360	1,960
Repayment of long-term debt	(4,802)	(4,399)
Net cash provided by financing activities	<u>141,056</u>	<u>7,390</u>
Net increase (decrease) in cash, cash equivalents and restricted cash	<u>98,387</u>	<u>(22,700)</u>
Cash, cash equivalents, and restricted cash		
Beginning of year	<u>39,646</u>	<u>62,346</u>
End of year	<u>\$ 138,033</u>	<u>\$ 39,646</u>
Supplemental disclosures of cash flow information		
Interest paid	\$ 10,772	\$ 10,946
Contributed securities	1,489	1,411
Gift in kind	214	195
Purchases of buildings and equipment included in accounts payable	5,842	5,267
Leased equipment	1,671	1,408
Noncash capital leases	2,675	-

The accompanying notes are an integral part of these consolidated financial statements.

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

1. Organization

Worcester Polytechnic Institute (the “University”), founded in 1865, is the nation’s third oldest private technological university. Approximately 6,400 undergraduate and graduate students attend the University annually. The University is located in Worcester, Massachusetts and serves a diverse student body from almost every state and over 80 foreign countries.

2. Summary of Significant Accounting Policies

Basis of Financial Statement Presentation

The accompanying consolidated financial statements are prepared on the accrual basis of accounting with net assets and revenues, expenses, gains and losses classified based on the existence or absence of donor-imposed restrictions. Accordingly, net assets of the University and changes therein are classified and reported as follows:

Net Assets With Donor Restrictions

Net assets subject to donor-imposed stipulations include assets to be maintained permanently by the University. Generally, the donors of these assets permit the University to use all or part of the income earned on related investments for general or specific purposes. Also included are net assets whose use is restricted by state law or subject to donor-imposed stipulations that can be fulfilled by actions of the University pursuant to these stipulations or that expire by the passage of time.

Net Assets Without Donor Restrictions

Net assets not subject to explicit donor-imposed stipulations. Net assets without donor restrictions may be designated for specific purposes by action of the Board of Trustees or may otherwise be limited by contractual agreements with outside parties.

Consolidation

The accompanying consolidated financial statements include the accounts of the University and its wholly owned or controlled subsidiaries described below. Intercompany accounts and transactions have been eliminated.

Washburn Park, Inc. (“Washburn”)

Washburn is a not-for-profit corporation that owns and operates a parking garage and a life sciences and bioengineering facility located in the Gateway Park area of Worcester. Washburn also owns land used for the construction of Faraday Hall, a residence hall completed in August 2014.

Gateway Park, LLC (“Gateway”)

Gateway owns land located in the Gateway Park area of Worcester.

Lancaster Island, LLC (“Lancaster”)

Lancaster owns land located in the Gateway Park area of Worcester and is the lessee of a parcel of land being used for student parking.

ASSISTments Foundation, Inc. (“TAF”)

TAF is a not-for-profit corporation that is a Type 1 Supporting Organization to the University that supports the ASSISTments program at the University.

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

Classifications

Revenues are reported as increases in net assets without donor restrictions unless use of the related assets is limited by donor-imposed restrictions or by law. Expenses are reported as decreases in net assets without donor restrictions. Gains and losses on investments and other assets or liabilities are reported as increases or decreases in net assets without donor restrictions unless their use is restricted by explicit donor stipulation or by law. Expirations of temporary restrictions on net assets (that is, the donor-stipulated purpose has been fulfilled and/or the stipulated time period has elapsed) are reported as net assets released from restrictions between the applicable classes of net assets.

Operating and Nonoperating Activities

In the consolidated statements of activities, the University has defined its primary activities between operating and nonoperating. Operating activities consist primarily of activities supporting the educational mission and purpose of the University. Nonoperating activities consist primarily of unspent appreciation on endowment, gains or losses on beneficial interest in trusts, change in value of split-interest agreements, net contributions for endowment and capital use, and gains or losses on interest rate agreements.

Use of Estimates in the Preparation of Financial Statements

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. The University's significant estimates include the valuation of its investments, the estimated net realizable value of receivables for contributions, gifts, pledges, student loans, student accounts and other receivables, the estimated useful lives of buildings and equipment, and its liabilities for its asset retirement obligations, self-insured medical claims, and split-interest agreements. Actual results could differ from those estimates.

Cash and Cash Equivalents

For the purposes of reporting cash flows, the University considers all short-term highly liquid investments to be cash equivalents. Cash equivalents consist of time deposits and short-term investments with maturities at the date of purchase of ninety days or less, stated at cost, which approximates fair value. Certain balances meeting the definition of cash and cash equivalents are classified as designated cash and investments as a result of the University's intent to segregate funds from cash available for current operations.

The University's banking activity, including cash and cash equivalents not classified as investments, is maintained with one regional bank and exceeds federal insurance limits. It is the University's policy to monitor the bank's financial strength on an ongoing basis.

Contributions

Contributions, including unconditional promises to give, are recognized as revenues in the period received. Contributions subject to donor-imposed stipulations that are met in the same reporting period are reported as unrestricted support. Promises to give that are scheduled to be received after the fiscal year-end are shown as increases in net assets with donor restrictions and are reclassified to net assets without donor restrictions when the purpose or time restrictions are met. Promises to give subject to donor-imposed stipulations that the corpus be maintained permanently are recognized as increases in net assets with donor restrictions. Conditional promises to give are not recognized until they become unconditional, that is when the conditions on which they depend are substantially met. Contributions of assets other than cash are recorded at their estimated fair

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

value at the date of the gift. Contributions that are expected to be collected after one year are recorded at the present value of estimated future cash flows. The discount rates used range from approximately 0.4% to 2.6%. Amortization of the discount is recorded as additional contribution revenue in the applicable net asset class.

The carrying amount of contributions receivable approximates fair value as such amounts are recorded net of an allowance for uncollectible accounts and a discount to their present value. The allowance for uncollectible contributions receivable is based upon management's judgment including such factors as prior collection history, type of contribution, and nature of fundraising activity.

The University reports contributions of land, buildings, or equipment as without donor restrictions support unless the donor places restrictions on their use. Contributions of cash or other assets that must be used to acquire long-lived assets are reported as without donor restrictions support provided the long-lived assets are placed in service in the same reporting period, otherwise, the contributions are reported as net assets with donor restrictions support until the assets are acquired and placed in service and then, such amounts are reclassified to net assets without donor restrictions.

Deferred Financing Costs

Included in bonds and notes payables are deferred financing costs that are being amortized over the life of the related bonds.

For the years ended June 30, 2020 and 2019, deferred financing costs, net totaled approximately \$3,127,000 and \$2,308,000 respectively. Amortization expense for the years ended June 30, 2020 and 2019 was approximately \$101,000 and \$83,000, respectively. The estimated amortization expense for deferred financing costs for the next five years is approximately \$107,000 annually.

Beneficial Interest in Trusts

The University is the beneficiary of certain perpetual trusts and charitable remainder trusts held and administered by third-party trustees. Under the terms of these agreements, the University has the irrevocable right to its share of the income earned on the trust assets. The use of the income may be restricted by the donor. The estimated fair value of trust assets are recognized as assets and contribution revenue when reported to the University.

Investments

Investments are reported at fair value. Fair value is a market-based measurement based on assumptions used to determine the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. As a basis for considering assumptions, the University prioritizes inputs using three levels, based on the markets in which the investments trade and the reliability of the assumptions used to determine fair value.

- Level 1 Valuation is based on quoted prices for identical investments in active markets. Market price data is generally obtained from relevant exchange or dealer markets.
- Level 2 Valuation is based on observable inputs other than Level 1 prices, such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially similar assets or liabilities.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Level 3 Valuation is based on unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities. Level 3 assets and liabilities include investments whose value is determined using pricing models, discounted cash flow methodologies, or similar techniques, as well as instruments for which the determination of fair value requires significant management judgment or estimation.

Fair values for certain investments held are based on net asset value (NAV) of such investments as determined by the respective external investment managers, including general partners, if market values are not readily ascertainable. These valuations are based on estimates involving assumptions and valuation techniques used by the respective investment managers.

Fair value is best determined based on quoted market prices. In cases where quoted market prices are not available, fair values are based on estimates using present value or other valuation techniques. Those techniques are significantly affected by the assumptions used, including the discount rate and estimates of future cash flows. Accordingly, the fair value estimates may not be realized in an immediate settlement of the investment.

Investments are comprised of the assets of the University's endowment and similar funds, and split-interest agreements. Endowment funds are subject to the restrictions of gift instruments requiring that the principal be invested in perpetuity and that only income be utilized. Funds functioning as endowment, also known as quasi-endowment funds, have been established by the Board of Trustees for the same purposes as endowment funds. However, any portion of the funds functioning as endowment may be expended with the approval of the Board of Trustees.

Assets of the endowment and similar funds are pooled on a fair value basis with each individual fund subscribing to or disposing of units on the basis of the fair value per unit at the beginning of the quarterly period within which the transactions take place. Endowment income is distributed based on the number of units subscribed to at the end of each month. In addition, the University maintains separately invested funds as stipulated by donors.

Gains or losses on investments are reported in the consolidated statements of activities as increases or decreases in net assets without donor restrictions unless their use is restricted by explicit donor stipulations or by law. Investment income is recorded in net assets without donor restrictions unless its use is restricted by explicit donor stipulations.

Land, Buildings and Equipment

Land, buildings and equipment are recorded at cost at the date of acquisition or, if received as a gift, at the estimated fair value at the date of the gift. When assets are retired or otherwise disposed of, the cost and related accumulated depreciation are removed from the accounts, and any resulting gain or loss is recorded. Expenditures for repairs and maintenance are charged to expense as incurred.

Finance leases are recorded at their present value at the inception of the lease. Leases for property and equipment are amortized on the straight-line basis over the shorter period of the lease term or the estimated useful life of the equipment. Amortization expense related to leases is included in depreciation in the consolidated statement of activities.

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

Depreciation expense is computed on a straight-line basis over the estimated useful lives. Estimated useful lives are periodically reviewed and, when appropriate, changes are made prospectively. When certain events or changes in operating conditions occur, asset lives may be adjusted and an impairment assessment may be performed on the recoverability of the carrying amounts.

Useful lives are as follows:

Land improvements	10 to 20 Years
Buildings and improvements	10 to 40 Years
Equipment	3 to 10 Years

Deposits and Deferred Revenue

Deposits and deferred revenue represent revenues received in advance of services to be rendered and are primarily composed of revenue for student tuition and educational fees received in advance and advance payments on sponsored research programs.

Split-Interest Agreements

The University's split-interest agreements with donors are included in investments and consist of charitable gift annuities, charitable lead trusts, charitable remainder trusts, and pooled income arrangements. Assets are invested by the University or third-party trustees and payments are made to beneficiaries in accordance with the respective agreements. At the end of each agreement's term, amounts are distributed to the University or other beneficiaries. Annual distributions to beneficiaries may be for a specified dollar amount or a percentage of the trust's fair value. Upon receipt, gifts requiring the University or trustee to pay donors a specified periodic amount are recorded at fair value with corresponding estimated liabilities for future amounts payable to other beneficiaries, where applicable. The liabilities associated with these gifts are adjusted during the term of these gift instruments. The University is aware of certain split-interest arrangements in which it has been named as beneficiary and has adopted a policy that until such amounts are estimable and probable, such amounts are not recognized in the financial statements. The present value of payments to beneficiaries under split-interest arrangements is calculated using discount rates in effect at the date of the gift; these rates range from approximately 1.2% to 11.2%.

Asset Retirement Obligations

An asset retirement obligation ("ARO") is a legal obligation associated with the retirement of long-lived assets. These liabilities are initially recorded at fair value and the related asset retirement costs are capitalized by increasing the carrying amount of the related assets by the same amount as the liability. Asset retirement costs are subsequently depreciated over the useful lives of the related assets. Subsequent to initial recognition, the University records period-to-period changes in the ARO liability resulting from the passage of time or revisions to either the timing or the amount of the original estimate of undiscounted cash flows. The University derecognizes ARO liabilities when the related obligations are settled.

Tax-Exempt Status

The University is a tax-exempt organization as described in Section 501 (c)(3) of the Internal Revenue Code (the "Code") and is generally exempt from income taxes pursuant to Section 501 (a) of the Code.

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

Sponsored Research

The University receives sponsored program funding from various governmental and corporate sources. The funding may represent a reciprocal transaction in exchange for an equivalent benefit in return, or it may be a nonreciprocal transaction in which the resources provided are for the benefit of the University, the funding organization's mission, or the public at large.

Revenues from exchange transactions are recognized as performance obligations are satisfied, which in most cases are as related costs are incurred.

Revenues from nonexchange transactions (contributions) may be subject to conditions, in the form of both a barrier to entitlement and a refund of amounts paid. Revenues from conditional nonexchange transactions are recognized when the barrier is satisfied.

In 2020 and 2019, sponsored programs revenue earned from governmental sources total \$28,245,000 and \$30,003,000, respectively. Indirect costs recovered on federally sponsored programs are based on predetermined reimbursement rates, which are stated as a percentage and distributed based on the modified total direct costs incurred. The University negotiates its federal indirect rate with its cognizant federal agency. Indirect costs recovered on all other grants and contracts are based on rates negotiated with the respective sponsors. Funds received for sponsored research activity are subject to audit. Based upon information currently available, management believes that any liability resulting from such audits will not materially affect the financial position or operations of the University.

Tuition and Fee Revenue

The University recognizes revenue from student tuition and fees within the fiscal year in which educational services are provided. Institutional aid, in the form of scholarships and grants-in-aid, includes amounts funded by the endowment, research funds, and gifts, and reduces the published price of tuition for students receiving such aid. As such, institutional aid is referred to as a tuition discount and represents the difference between the stated charge for tuition and fees and the amount that is billed to the student and/or third parties making payments on behalf of the student. Financial aid provided to students was \$96,602,000 in 2020 and \$90,159,000 in 2019.

The University offers a summer term that spans two reporting periods. Payments of tuition and housing for summer term are recognized as performance obligations are met. Because the academic term spans two reporting periods, a portion of the payments are included in deferred revenue at June 30, 2020 and 2019.

Auxiliary Services Revenue

Auxiliary services exist to furnish goods or services to students, faculty, staff, or incidentally to the general public, and charges a fee directly related to, although not necessarily equal to, the cost of the goods or services.

Auxiliary services revenue includes revenues from contracts with customers to provide student housing and dining facilities.

Payments for these services are due approximately one week prior to the start of the academic term for undergraduate students and on the first of each month for graduate students. Dining plans are not offered during the summer terms. Performance obligations for housing and dining services are delivered over the academic terms. Consequently, revenue from housing and dining services is recognized ratably as services are tendered.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Implementation of Accounting Standards

On July 1, 2019 the University adopted ASU 2016-02, *Leases*. ASU 2016-02 requires recognition of rights and obligations arising from lease contracts, including existing and new arrangements, as assets and liabilities on the balance sheet. The University adopted the new standard using the current-period adjustment method. All leases were recorded as of July 1, 2019 and no amounts were recorded in the comparative periods. The University also elected available practical expedients. The University recognized lease assets of \$15,729,000 and operating lease liabilities of \$16,656,000 as of the adoption date.

In August 2017, the FASB issued ASU 2017-12, *Targeted Improvements to Accounting for Hedging Activities*. ASU 2017-12 aims to improve the financial reporting of hedging relationships to better portray the economic results of an entity's risk management activities in its financial statements. ASU 2017-12 is effective for annual reporting periods beginning after December 15, 2019. The University is currently evaluating the effect of adoption to the financial statements.

In August 2017, the FASB issued ASU 2018-13, *Disclosure Framework-Changes to the Disclosure Requirements for Fair Value Measurement*. ASU 2018-13 modifies the disclosure requirements related to investments held at fair value. ASU 2018-13 is effective for annual reporting periods beginning after December 15, 2019. The University is currently evaluating the effect of adoption to the financial statements.

3. Accounts Receivable

Accounts receivable consist of the following at June 30, 2020 and 2019 (in thousands):

	2020	2019
Sponsored research	\$ 8,455	\$ 10,095
Student receivables	3,295	2,397
Other receivables	2,221	804
	<u>13,971</u>	<u>13,296</u>
Less: Allowance for doubtful accounts	(1,456)	(1,036)
	<u>\$ 12,515</u>	<u>\$ 12,260</u>

4. Contributions Receivable

Unconditional promises are expected to be received in the following periods at June 30, 2020 and 2019 (in thousands):

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

	2020	2019
In one year or less	\$ 5,811	\$ 3,554
Between one and five years	<u>20,363</u>	<u>6,674</u>
	26,174	10,228
Less:		
Discount to present value	(1,226)	(608)
Allowance for doubtful contributions	<u>(1,203)</u>	<u>(496)</u>
	<u>\$ 23,745</u>	<u>\$ 9,124</u>

As of June 30, 2020 and 2019, the University has approximately \$100,200,000 and \$61,172,000, respectively, of conditional promises to give that are not recognized as assets in the accompanying consolidated statements of financial position.

5. Student Loans Receivable

The University makes uncollateralized loans to students based on financial need. Student loans are funded through Federal government loan programs or institutional resources. At June 30, 2020 and 2019, student loans represented 1.4% and 1.7% of total assets, respectively.

Student loans receivable consist of the following at June 30, 2020 and 2019 (in thousands):

	2020			2019		
	Federal	Institutional	Total	Federal	Institutional	Total
Student loans receivable	\$ 6,615	\$ 9,529	16,144	8,525	8,988	17,513
Less: Allowance for doubtful accounts						
Beginning of year	(150)	(253)	(403)	(150)	(246)	(396)
Decrease(increases)	-	(24)	(24)	-	(85)	(85)
Write-offs	-	-	-	-	78	78
End of year	<u>(150)</u>	<u>(277)</u>	<u>(427)</u>	<u>(150)</u>	<u>(253)</u>	<u>(403)</u>
Student loans receivable, net	<u>6,465</u>	<u>9,252</u>	<u>15,717</u>	<u>8,375</u>	<u>8,735</u>	<u>17,110</u>

The University participates in the Perkins federal revolving loan program. The availability of funds for loans under the program is dependent on reimbursements to the pool from repayments on outstanding loans. Funds advanced by the Federal government and their share of student loan activity of \$9,624,000 and \$9,492,000 at June 30, 2020 and 2019 are ultimately refundable to the government and are classified as liabilities in the consolidated statements of financial position. Outstanding loans cancelled under the program result in a reduction of the funds available for loan.

The following amounts were past due under student loan programs at June 30, 2020 and 2019 (in thousands):

	1-60 days		60-90 days		90+ days		Total Past Due
June 30 2020	\$	6	\$	1	\$	923	\$ 930
June 30 2019	\$	8	\$	1	\$	849	\$ 858

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Allowances for doubtful accounts are established based on prior collection experience and current economic factors which, in management's judgment, could influence the ability of loan recipients to repay the amounts per the loan terms. Institutional loan balances are written off only when they are deemed to be permanently uncollectible.

6. Beneficial Interest in Trusts

Beneficial interest in trusts are carried at fair value using discounted present value and other similar methodologies. The following table summarizes the changes in these trusts during the years ended June 30, 2020 and 2019 (in thousands):

	2020	2019
Fair value, beginning of year	\$ 17,061	\$ 18,295
Net unrealized gains and (losses)	(1,853)	354
Contributions	-	-
Distributions, net	(339)	(1,588)
Fair value, end of year	<u>\$ 14,869</u>	<u>\$ 17,061</u>

7. Investments

Investments at June 30, 2020 are as follows (comparative totals are included for 2019) (in thousands):

	2020			2019 Total
	Endowment and Similar Funds	Split-Interest Agreements	Total	
Cash and cash equivalents	\$ 2,742	\$ 223	\$ 2,965	\$ 5,207
Equity securities	158,014	12,788	170,802	179,049
Fixed income securities	70,318	2,832	73,150	71,670
Alternative investments				
Equity funds	131,900	-	131,900	145,580
Fixed income funds	51,043	-	51,043	55,681
Private equity funds	47,260	-	47,260	49,130
Real estate	41,139	-	41,139	44,965
Total investments	<u>\$ 502,416</u>	<u>\$ 15,843</u>	<u>\$ 518,259</u>	<u>\$ 551,282</u>

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

As describe in Note 2, investments are recorded at fair value. The following tables summarize the fair values of the University's investments at June 30, 2020 and 2019 (in thousands):

	2020				
	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	NAV Practical Expedient	Total
Cash and cash equivalents	\$ 2,965	\$ -	\$ -	\$ -	\$ 2,965
Equity securities	170,802	-	-	-	170,802
Fixed income securities	73,150	-	-	-	73,150
Alternative investments					
Equity funds	-	-	-	131,900	131,900
Fixed income funds	-	-	-	51,043	51,043
Private equity funds	-	-	1,087	46,173	47,260
Real estate	-	-	16,260	24,879	41,139
Total investments	<u>\$ 246,917</u>	<u>\$ -</u>	<u>\$ 17,347</u>	<u>\$ 253,995</u>	<u>\$ 518,259</u>

	2019				
	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	NAV Practical Expedient	Total
Cash and cash equivalents	\$ 5,207	\$ -	\$ -	\$ -	\$ 5,207
Equity securities	179,049	-	-	-	179,049
Fixed income securities	71,670	-	-	-	71,670
Alternative investments					
Equity funds	-	-	-	145,580	145,580
Fixed income funds	-	-	-	55,681	55,681
Private equity funds	-	-	580	48,550	49,130
Real estate	-	-	24,397	20,568	44,965
Total investments	<u>\$ 255,926</u>	<u>\$ -</u>	<u>\$ 24,977</u>	<u>\$ 270,379</u>	<u>\$ 551,282</u>

Fair values of equity, fixed income and commodity securities are generally based on published market values. The University invests in hedge funds, private equity, and real estate investments through various limited partnerships and similar vehicles. Hedge funds utilize a variety of investment strategies incorporating marketable securities and, in some cases, derivative instruments, all of which are reported at estimated fair value by the fund managers. Private equity funds consist of long-term private investments and have been valued based on estimates provided by the general partners of the investment vehicles. Investments in limited partnerships and limited liability companies (generally referred to as "limited partnerships") for which readily ascertainable market values are not available are reported at estimated fair value as determined by Management or at the investment net asset value ("NAV") as a practical expedient. Investments in limited partnerships are generally valued based upon the most recent NAV or capital account information available from the general partner of the investment limited partnership, taking into consideration, where applicable, other information determined to be a reliable indicator of fair value. These factors include rights and obligations, restrictions or illiquidity on such interest, potential clawbacks, and the fair value of the limited partnership's investment portfolio or other assets and liabilities. The values assigned to investments in limited partnership are based upon available information and do not necessarily represent amounts which might ultimately be realized. Because of the

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

inherent uncertainty of valuation, those estimated fair values may differ significantly from the values that would have been realized had a ready market for the investments existed and those differences could be material.

Real estate consists mainly of direct real estate holdings and investments in privately held entities. The fair values of the real estate investments in privately held entities have been valued based on the NAV provided by the fund managers of these investment vehicles. The fair values of direct real estate holdings have been prepared giving consideration to periodic independent external appraisals, as well as the income, cost and sales comparison approaches of estimating property value. The income approach estimates an income stream for a property (typically 10 years) and discounts this income plus a reversion (presumed sale) into a present value at a risk adjusted rate. A second technique is the direct capitalization analysis. Direct capitalization involves capitalizing a property's first year, or stabilized net operating income into a value estimate. Yield rates and growth assumptions utilized in both approaches are derived from market transactions as well as other financial and industry data. The cost approach estimates the replacement cost of the building less physical depreciation plus the land value. Generally, this approach provides a check on the value derived using the income approach. The sales comparison approach compares recent transactions to the appraised property. Adjustments are made for dissimilarities which typically provide a range of value. The income capitalization and sales comparison approach were used to value the direct real estate investments. The capitalization rates, sales price per acre of comparable properties, and the comparability adjustments are considered to be significant unobservable inputs to these valuations. These rates and adjustments vary and are based on the location, type and nature of each property, and current and anticipated market conditions. Appraisals for any direct real estate holding were prepared by independent external appraisers. Management believes the appraisals approximate fair value for real estate holdings at June 30, 2020 and 2019.

The following table summarizes the valuation methods and quantitative information about the significant unobservable inputs used in the fair value measurement of Level 3 direct real estate holdings at June 30, 2020 and 2019 not valued at NAV (in thousands):

Real Estate Investment	2020	2019	Valuation Technique	Unobservable Input	Range
Commercial real estate, Worcester, MA	\$ -	\$ 7,700	Income capitalization	Capitalization Rate	5.39% - 9.56%
Commercial real estate, Florida	3,813	4,250	Income capitalization	Capitalization Rate	8.0% - 14.0%
Leased land, Worcester, MA	5,250	5,250	Income capitalization	Capitalization Rate	3.96% - 6.1%
Parking garage, Worcester, MA	3,475	3,475	Income capitalization	Capitalization Rate	8.25%
Undeveloped land, Worcester, MA	1,740	1,740	Sales comparison	Price per acre	\$0.7M - \$1.4M
				Comparability adjustments	-20% - 30%
Undeveloped land, Worcester, MA	1,600	1,600	Sales comparison	Price per acre	\$0.7M - \$1.4M
				Comparability adjustments	-5% - + 45%
Residential real estate, US	<u>382</u>	<u>382</u>	Sales comparison	Price per square foot	\$365K - \$405K
	<u>\$ 16,260</u>	<u>\$ 24,397</u>			

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Alternative investments consist of noncontrolling, limited marketability stock holdings and investments in limited partnerships. The fair values of investments in limited partnerships have been valued based on the NAV provided by the fund managers of these investment vehicles and reviewed by management. The following tables summarize key provisions for the University's alternative investments valued at NAV as of June 30, 2020 and 2019 (in thousands):

2020						
Asset Class	Strategy	Fair Value	Remaining Life	Unfunded Commitments	Redemption Terms	Redemption Restrictions
Absolute Return - Market Neutral	Global equity and fixed income funds in market neutral categories	\$ 72,069	No limit	\$ -	Redemption terms range from quarterly with 60 to 90 days notice to annually with 45 to 90 days notice.	Lock -up provisions range from none to redemptions limited to 1/3 of the value annually.
Private Equity	Venture capital and buyout in the US and global markets	\$ 46,173	up to 10 years	40,678	Private equity structure with no ability to redeem.	Not redeemable
Directional Hedge	Global long/short equity funds	\$ 100,323	No limit	-	Redemption terms range from quarterly with 60 days notice to every five years with 90 days notice.	No lock-up provisions
Emerging Markets Equity	Primarily in longonly emerging makets equity	\$ 10,551	No limit	-	Redemption terms range from 10 business days in advance of valuation date to monthly redemptions with 7 days notice.	Ranges from no additional restrictions to partial redemptions allowed but may require full redemption if capital is below \$1M.
Real Estate	US real estate	\$ 24,879	up to 6 years	22,827	Private equity structure with no ability to redeem.	Not redeemable
		<u>\$ 253,995</u>		<u>\$ 63,505</u>		

2019						
Asset Class	Strategy	Fair Value	Remaining Life	Unfunded Commitments	Redemption Terms	Redemption Restrictions
Absolute Return - Market Neutral	Global equity and fixed income funds in market neutral categories	\$ 95,389	No limit	\$ -	Redemption terms range from quarterly with 60 to 90 days notice to annually with 45 to 90 days notice.	Lock -up provisions range from none to redemptions limited to 1/3 of the value annually.
Private Equity	Venture capital and buyout in the US and global markets	48,550	up to 11 years	38,059	Private equity structure with no ability to redeem.	Not redeemable
Directional Hedge	Global long/short equity funds	94,595	No limit	-	Redemption terms are quarterly with 60 days notice.	No lock-up provisions
Emerging Markets Equity	Primarily in longonly emerging makets equity	11,277	No limit	-	Redemption terms range from 10 business days in advance of valuation date to monthly redemptions with 7 days notice.	Ranges from no additional restrictions to partial redemptions allowed but may require full redemption if capital is below \$1M.
Real Estate	US real estate	20,568	up to 7 years	21,950	Private equity structure with no ability to redeem.	Not redeemable
		<u>\$ 270,379</u>		<u>\$ 60,009</u>		

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

The following table summarizes the changes in the Level 3 investments carried at fair value during the years ended June 30, 2020 and 2019 (in thousands):

	Equity Funds	Fixed Income Funds	Private Equity Funds	Real Estate	Total
Fair value, June 30, 2018	\$ -	\$ -	\$ 1,859	\$ 26,748	\$ 28,607
Transfers out	-	-	-	-	-
Net realized and unrealized gains	-	-	(36)	(2,351)	(2,387)
Purchases	-	-	-	-	-
Sales and settlements	-	-	(1,243)	-	(1,243)
Fair value, June 30, 2019	-	-	580	24,397	24,977
Transfers out	-	-	-	(8,405)	(8,405)
Net realized and unrealized gains	-	-	-	268	268
Purchases	-	-	507	-	507
Sales and settlements	-	-	-	-	-
Fair value, June 30, 2020	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,087</u>	<u>\$ 16,260</u>	<u>\$ 17,347</u>

In the consolidated statements of activities for the years ended June 30, 2020 and 2019, net realized and unrealized gains and losses on Level 3 investments are included in nonoperating net realized and unrealized gains and losses on investments.

Endowment Income and Spending

In addition to current yield (interest, dividends, and net rental income), the University has interpreted state law to allow for the utilization of capital appreciation on permanently restricted endowment funds unless explicit donor stipulations specify how net appreciation must be used. Accordingly, the University segregates capital appreciation between that which can be used for current operations and that which is attributable to permanently restricted endowment funds. For financial reporting purposes, current yield and capital appreciation attributed to permanently restricted endowment funds are considered restricted until appropriated for use, and the historic dollar value of such funds is considered permanently restricted.

The University has adopted the Uniform Prudent Management of Institutional Funds Act (“UPMIFA”) statute. UPMIFA provides guidance for investment management; enumerates guidelines in prudent investing; and, eliminates the concept of “historic dollar value” for donor-restricted endowments. Accordingly, the University has not limited appropriation of underwater funds to current yield.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

The University has adopted investment and spending policies for its endowment and similar funds that attempt to provide a predictable stream of funding for its programs. To satisfy its long-term rate-of-return objectives, the University relies on a total return approach in which investment returns are achieved through both capital appreciation (realized and unrealized gains) and current yield. To achieve its long-term objectives within prudent risk parameters, the University targets a diversified asset allocation as follows:

Asset Allocation Policy	Target %
Global equity	40
Private equity	10
Flexible capital	25
Fixed income	10
Real assets	15

The University observes a spending rule with respect to total return (interest, dividends, and appreciation) on investments of the endowment and similar funds. Under the spending rule, the University appropriated 4.7% of its endowment and similar funds' average unit fair value for the previous twelve quarters, from the beginning of the fiscal year, for the years ended June 30, 2020 and 2019, respectively.

The spending rule distributions for fiscal years 2020 and 2019, respectively, were \$0.286 and \$0.283 per time weighted unit, comprised of, respectively, \$0.039 and \$0.059 of income and \$0.244 and \$0.224 of distributions from current and accumulated net gains. At June 30, 2020 there were a total of 83,256,493, units in the pooled endowment and similar funds, each having a fair value of \$6.003 of the total units, were owned by endowment funds 48,353,457 and 34,903,036 were owned by internally designated funds. At June 30, 2019 there were a total of 82,404,049 units in the pooled endowment and similar funds, each having a fair value of \$6.359 of the total units, 47,592,804 were owned by endowment funds and 34,811,245 were owned by internally designated funds.

A summary of the fair value per unit and the income per time-weighted unit for the pooled investments held as of June 30, 2020 and in each of the prior four years is as follows:

	Income Per Time- Weighted Unit		Fair Value Per Unit	
2020	\$	0.039	\$	6.003
2019		0.059		6.359
2018		0.061		6.338
2017		0.056		6.202
2016		0.058		5.868
2015		0.056		6.158

To the extent that accumulated realized and unrealized losses are in excess of accumulated gains for permanently restricted endowment funds, they are reported as decreases in net assets with donor restrictions. As a result of market declines, the fair value of certain permanently restricted

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

endowment funds of \$67,795,000 is less than the historic dollar value of such funds of \$70,498,000 (“underwater funds”) equaling approximately \$2,703,000 and \$405,000 at June 30, 2020 and 2019 respectively. The University is under no legal obligation to fund the deficiency.

Endowment and Similar Funds

The endowment and similar funds’ net asset composition as of June 30, 2020 and 2019 and the changes for the years then ended are as follows (in thousands):

	2020		
	Without Donor Restrictions	With Donor Restrictions	Total
Donor restricted	\$ -	\$ 295,652	\$ 295,652
Quasi-endowment	188,715	-	188,715
	<u>\$ 188,715</u>	<u>\$ 295,652</u>	<u>\$ 484,367</u>
Balance, June 30, 2019	\$ 199,666	\$ 308,854	\$ 508,520
Investment return	(1,730)	(7,620)	(9,350)
Contributions	615	3,687	4,302
Appropriated for expenditure	(9,836)	(9,269)	(19,105)
Balance, June 30, 2020	\$ 188,715	\$ 295,652	\$ 484,367

	2019		
	Without Donor Restrictions	With Donor Restrictions	Total
Donor restricted	\$ -	\$ 308,854	\$ 308,854
Quasi-endowment	199,666	-	199,666
	<u>\$ 199,666</u>	<u>\$ 308,854</u>	<u>\$ 508,520</u>
Balance, June 30, 2018	\$ 195,479	\$ 304,792	\$ 500,271
Investment return	13,824	7,824	21,648
Contributions	3,838	5,528	9,366
Appropriated for expenditure	(13,475)	(9,290)	(22,765)
Balance, June 30, 2019	\$ 199,666	\$ 308,854	\$ 508,520

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Split-Interest Agreements

Investments include the following split-interest agreements at June 30, 2020 and 2019 (in thousands):

	2020	2019
Charitable remainder trusts	\$ 7,716	\$ 7,683
Charitable gift annuities	6,997	8,132
Pooled income funds	1,130	1,208
	<u>\$ 15,843</u>	<u>\$ 17,023</u>

8. Land, Buildings and Equipment

Land, buildings and equipment, net, consist of the following at June 30, 2020 and 2019 (in thousands):

	2020	2019
Land and land improvements	\$ 28,739	\$ 28,700
Buildings and improvements	504,264	493,900
Equipment	112,360	106,093
Long term Lease Assets	18,404	-
	<u>663,767</u>	<u>628,693</u>
Less: Accumulated depreciation	<u>(309,736)</u>	<u>(282,589)</u>
	354,031	346,104
Construction-in-progress	79,498	24,434
	<u>\$ 433,529</u>	<u>\$ 370,538</u>

Depreciation expense charged to operations was approximately \$27,580,000 and \$24,299,000 for the years ended June 30, 2020 and 2019, respectively. Net interest cost capitalized was approximately \$4,766,000 and \$595,000 for the years ended June 30, 2020 and 2019, respectively.

9. Leases

As discussed in Note 1, on July 1, 2019, the University adopted new guidance for the accounting and reporting of leases. The University has leases primarily for real estate and office space, as well as equipment. The University determines if an arrangement is a lease at inception of the contract. When evaluating contracts for embedded leases, the University exercises judgement to determine if there is an explicit or implicit identified asset in the contract and if the University controls the use of that asset. Embedded leases are immaterial to the consolidated financial statements.

Certain real estate leases have renewal options and the lease term includes options to extend or terminate the lease when it is reasonably certain that the University will exercise that option.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Lease expense for lease payments is recognized on a straight-line basis over the term of the lease. Lease assets and liabilities are recognized based on the present value of lease payments over the lease term. The majority of the University's leases do not have a readily determinable implicit discount rate and in those cases the University uses its incremental borrowing rate to calculate the present value of lease payments. As a practical expedient, the University has made an accounting policy election for all asset classes not to separate lease components from nonlease components in the event that the agreement contains both. The University includes both lease and nonlease components for purposes of calculating the right-of-use asset and related lease liability. For finance leases, interest expense on the lease liability is recognized using the effective interest method and amortization of the right-to-use asset is recognized on a straight-line basis over the shorter of the estimated useful life of the asset or the lease term. The table below presents certain information related to the lease costs for leases.

	2020
Finance lease cost	
Amortization of leased assets	\$ 167
Interest on lease liabilities	52
Operating lease cost	3,218
Short-term and variable lease costs	836
	<hr/>
Total lease cost	\$ 4,273
	<hr/>

Prior to the adoption of the new lease standard, operating lease rent expense was \$4,146,000 for the year ended June 30, 2019.

Supplemental financial position information related to operating and finance leases as of June 30, 2020 is as follows:

	Classification on the Statement of Net Position	2020
Assets		
Operating lease assets	Land, buildings and equipment, net	\$ 13,092
Finance lease assets	Land, buildings and equipment, net	2,480
		<hr/>
Total lease assets		\$ 15,572
		<hr/>
Liabilities		
Operating leases	Operating Lease Liabilities	\$ 14,209
Finance leases	Operating Lease Liabilities	2,736
		<hr/>
Total lease liabilities		\$ 16,945
		<hr/>
Weighted-average remaining lease term		
Operating leases		6.3 years
Finance leases		7.5 years
Weighted-average discount rate		
Operating leases		3.76%
Finance leases		3.87%

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

The table below presents supplemental cash flow information related to leases:

	2020
Cash paid for amounts included in the measurement of lease liabilities	
Operating cash flows for operating leases	\$ 3,018
Operating cash flows for finance leases	-
	<u>\$ 3,018</u>

Future minimum lease payments under operating leases at June 30, 2020 is as follows:

2021	\$ 3,325
2022	3,552
2023	2,982
2024	2,268
2025	2,295
Thereafter	<u>4,721</u>
Total minimum lease payments	19,143
Less: Imputed interest	<u>(2,198)</u>
Total lease liabilities	<u>\$ 16,945</u>

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

10. Bonds and Notes Payable

Bonds and notes payable consist of the following (in thousands) at June 30, 2020 and 2019:

Purpose and Definition	Maturity Date	Interest Rate %	Original Issue	Amount Due Within One Year	Balance, June 30, 2020	Balance, June 30, 2019
Bonds payable						
M DFA						
2008 Series A (2)	9/1/2035	Variable	54,815	\$ 2,235	\$ 38,275	\$ 40,485
M DFA						
2012 Series (3)	9/1/2050	4.0-5.0	42,540	-	43,198	43,220
M DFA						
2014 Series (2)	9/1/2029	3.10	2,782	194	3,690	3,880
M DFA						
2016 Series (4)	9/1/2052	3.0-5.0	49,030	-	48,374	48,540
Worcester Polytechnic Institute						
2016 Series (2)	9/1/2056	4.338	56,905	-	56,905	56,905
M DFA						
2017A Series (5)	9/1/2047	3.0-5.0	14,435	400	15,936	16,394
M DFA						
2017B Series (6)	9/1/2045	5.0	52,990	-	61,079	61,401
M DFA						
2019 Series (6)	9/1/2059	4.0-5.0	113,640	-	135,053	-
Uncollateralized notes						
TD Bank	7/1/2023	Various	7,122	356	4,689	5,045
Capital lease obligations						
	Various	Various		1,656	4,814	4,588
				4,841	412,013	280,458
Less: Deferred financing costs, net of amortization					(3,127)	(2,308)
Total bonds and notes payable				\$ 4,841	\$ 408,886	\$ 278,150

- (1) The bonds, issued at par with no discount or premium, represent a general obligation of the University.
- (2) The bonds represent a general obligation of the University. The balances at June 30, 2019 and 2020 include a premium of approximately \$680,000 and \$658,000 respectively.
- (3) The bonds represent a general obligation of the University. The balance at June 30, 2019 and 2020 includes a premium of approximately \$5,505,000 and \$5,339,000, respectively.
- (4) The bonds represent a general obligation of the University. The balance at June 30, 2019 and 2020 includes a premium of approximately \$2,334,000 and \$2,251,000, respectively.
- (5) The bonds represent a general obligation of the University. The balance at June 30, 2019 and 2020 includes a premium of approximately \$8,411,000 and \$8,089,000, respectively.
- (6) The bonds represent a general obligation of the University. The balance at June 30, 2020 includes a premium of approximately \$21,414,000

In compliance with the University's various bond indentures, funds held under bond agreements at June 30, 2020 and 2019 include investments of approximately \$92,185,000 and \$378,000, respectively, held for construction and debt service reserves.

Scheduled aggregate principal repayments on bonds and notes payable for each of the next five fiscal years and thereafter are as follows (in thousands):

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

2021	\$ 4,842
2022	4,529
2023	4,384
2024	7,222
2025	2,878
Thereafter	<u>350,406</u>
Total cash payments	374,261
Premium	<u>37,752</u>
	<u>\$ 412,013</u>

In September 2019, the University borrowed \$113,640,000 in the form of MDFA Revenue Bonds Series 2019 (tax-exempt). The proceeds from these bonds will be used to finance a portion of the 5-Year Institutional Plan, including development and construction of a new approximate 100,000 square foot academic building to be located on the University's main campus; renovations, upgrades, repairs and improvements to various University facilities; and construction of a new approximate 385-bed student residence hall and renovation of approximately 54 student apartments, located at a site near the main campus and currently owned by the University.

The MDFA 2019 Bonds are fixed rate bonds payable in annual installments with principal payments ranging from \$1,015,000 to \$20,090,000 beginning September 1, 2030, and interest ranging from 4.0% to 5.0%. The final maturity is September 1, 2059.

In October 2017, the University borrowed \$14,435,000 in the form of Massachusetts Development Finance Agency ("MDFA") Revenue Bonds Series 2017 (tax-exempt). The proceeds from these bonds were used to current refund the University's outstanding MDFA Series 2007 bonds and to pay certain costs of issuance.

The refunding resulted in a gain of approximately \$624,000 that has been included in the accompanying consolidated statement of activities. The MDFA 2017 Bonds are fixed rate bonds payable in annual installments with principal payments ranging from \$325,000 to \$695,000 beginning September 1, 2018, and interest ranging from 3.0% to 5.0%. The final maturity is September 1, 2047.

In December 2017, the University borrowed \$52,990,000 in the form of Massachusetts Development Finance Agency ("MDFA") Revenue Bonds Series 2017B (tax-exempt) used to advance refund a prior issuance.

The refunding resulted in a loss of approximately \$4,808,000 that has been included in the accompanying consolidated statement of activities. The MDFA 2017B Bonds are fixed rate bonds payable in annual installments with principal payments ranging from \$710,000 to \$6,665,000 beginning September 1, 2034, and interest of 5.0%. The final maturity is September 1, 2045.

In June 2016, the University borrowed \$49,030,000 in the form of MDFA Revenue Bonds Series 2016 (tax-exempt) (the "MDFA 2016 Bonds") and \$56,905,000 in University taxable bonds (the "WPI 2016 Bonds.") The proceeds from these bonds were used to advance refund a portion of the MDFA Series 2007 bonds and to pay certain costs of issuance. The remaining proceeds will be used to finance the development, design, and construction and equipping of the Foisie Innovation

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

Studio and an approximate 140-bed student residence, and various other capital renovations, deferred maintenance, and facilities improvements.

The MDFA 2016 Bonds are fixed rate bonds payable in annual installments with principal payments ranging from \$790,000 to \$11,180,000 beginning September 1, 2027, and interest ranging from 3.0% to 5.0%. The final maturity is September 1, 2052. The WPI 2016 Bonds are fixed rate bonds payable in annual installments with principal payments ranging from \$4,370,000 to \$14,000,000 beginning September 1, 2052, with interest at 4.34%. The final maturity is September 1, 2056.

In August 2014, the University borrowed \$4,622,000 in the form of MDFA Revenue Bond Series 2014 private placement “draw-down bonds” (the “2014 Bonds”) to finance renovations, repairs and improvements to existing facilities. The “draw-down bonds” comprise three term bonds in the initial par amounts of \$2,782,000 (Term Bond A), \$1,440,000 (Term Bond B), and \$400,000 (Term Bond C) to be drawn on or before September 1, 2014, 2015, and 2016, respectively. The 2014 Bonds are payable in monthly installments of principal plus interest and mature September 1, 2029. Interest is set at the time of draw-down at either a variable rate (0.6975 of the sum of 125 basis points and LIBOR) or a fixed rate (0.6975 of the sum of 125 basis points plus the Federal Home Loan Bank Rate). As of June 30, 2017, the University borrowed \$2,782,000 (Term Bond A) with interest payable at a fixed rate of 3.10%, \$1,440,000 (Term Bond B) with interest payable at a fixed rate of 3.01%, and \$400,000 (Term Bond C) with interest payable at a fixed rate of 2.50%. Principal payments for Term Bond A range from \$8,084 to \$12,228 per month beginning October 1, 2014 through August 1, 2029 with a final installment of \$989,887 due September 1, 2029. Principal payments for Term Bond B range from \$4,466 to \$6,558 per month beginning October 1, 2015 through August 1, 2029 with a final installment of \$530,892 due September 1, 2029. Principal payments for Term Bond C range from \$1,327 to \$1,892 per month beginning October 1, 2016 through August 1, 2029 with a final installment of \$153,170 due September 1, 2029.

In August 2013, the University refinanced borrowings of \$7,122,000 in the form of two uncollateralized notes payable to TD Bank. The proceeds from the original borrowings in 2010 were used to refinance the debt assumed for the acquisition of the remaining interest in Gateway and Washburn. The borrowings consist of two notes payable with balloon payments due in 2023. Monthly installments of principal totaling \$29,675 are paid based on a 20 year amortization with interest at 1.5% plus LIBOR, approximately 1.67% and 3.94% at June 30, 2020, and 2019, respectively.

In October 2012, the University borrowed \$42,540,000 in the form of MDFA Revenue Bond Series 2012 (the “2012 Bonds”). The proceeds from the issue were used to finance the development, construction, furnishing, and equipping of an approximately 250-bed-apartment-style residence hall and other renovations, repairs, and improvements to campus facilities. The 2012 Bonds are fixed rate bonds payable in annual installments with principal payments ranging from \$5,975,000 to \$10,515,000 beginning September 1, 2046, and interest ranging from 4.0% to 5.0%. The final maturity is September 1, 2050.

In April 2008, the University borrowed \$54,815,000 in the form of MDFA Variable Rate Demand Revenue Bonds Series 2008A (tax-exempt) and 2008B (federally taxable), (the “2008 Bonds”). The proceeds from the issues were used to refund previous bond issuances and to pay the costs of issuance. The 2008 Bonds are payable in semiannual installments with principal payments ranging from \$360,000 to \$2,915,000, with a final maturity of September 1, 2035. As of June 30, 2017 the 2008B Bonds had been retired. Interest on the 2008A Bonds is at a variable rate which is reset on a weekly basis. The interest rates at June 30, 2020 and 2019 for the 2008A Bonds were 0.14% and 1.92%, respectively. The interest rate swap agreements entered into as an integral part of the

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

2008A Bonds remain in effect to economically hedge the interest rate risks associated with the 2008 Bonds (refer to Note 10).

Payment of the principal of, the purchase price of, and interest on each series of the 2008 Bonds, when due, is collateralized by irrevocable direct pay letters of credit by TD Bank that expires in April 2023. The letters of credit include certain financial and nonfinancial covenants.

The 2008 Bonds can bear interest at a daily, weekly, or monthly variable rate mode or at a fixed rate mode. Bonds in the variable rate mode are subject to tender at the election of the bondholders. In the event that the University receives notice of any optional tender of its bonds, or if these bonds become subject to mandatory tender, the purchase price of the bonds will be paid from the remarketing of such bonds. However, if the remarketing proceeds are insufficient, the University will be obligated to purchase the bonds tendered by drawing on the letters of credit. Such funds drawn on the letters of credit must be repaid in full within 180 days or converted to a 5 year term loan with quarterly payments commencing in the 15th month following the conversion. If this were to occur, principal amounts on the 2008 Bonds due over the next five years and thereafter would be \$0, \$4,451,000, \$8,901,000 and \$13,352,000.

The University also has a \$50,000,000 bank revolving line of credit. The line of credit bears interest at an adjusted LIBOR rate plus 1.5% per annum on outstanding amounts and .18% of the available line of credit. There were no amounts outstanding at June 30, 2020 and 2019.

11. Interest Rate Agreements

The University has entered into several interest rate swap agreements used to economically hedge the interest rate risk associated with certain of its variable rate debt. The following summarizes the terms for each of these agreements as of June 30, 2020 and 2019 (dollars in thousands):

	Series 2008 A	
	Deutsche Bank AG	Barclays Bank PLC
Trade/effective date	Nov. 3, 2008	Nov. 3, 2008
Initial notional amount	\$ 14,100	\$ 34,200
Termination date	Oct. 1, 2033	Sept. 1, 2035
Rate paid by University	4.650 %	3.71%
Rate paid by Counterparty	71% of one-month LIBOR	67% of one-month LIBOR when LIBOR is > 4.00% SIFMA Municipal Swap Index when LIBOR is < 4.00%

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Fair Value liability	Series 2008 A		Total, Net
	Deutsche Bank AG	Barclays Bank PLC	
June 30, 2020	\$ 3,196	\$ 6,758	\$ 9,954
June 30, 2019	\$ 2,617	\$ 5,182	\$ 7,799

The net unrealized gain that was recognized for the interest rate swap agreements for the years ended June 30, 2020 and 2019 was approximately \$2,155,000 and \$1,849,000, respectively, and has been recorded in net realized and unrealized losses on interest rate agreements on the accompanying consolidated statements of activities. At June 30, 2020 and 2019, the fair value liability for interest rate swap agreements totaled \$9,954,000 and \$7,799,000, respectively.

The interest rate swap agreements contain provisions requiring collateral postings should the fair value liability of the University exceed certain amounts based on the University's long term credit ratings. The collateral posting provision for the agreement with Deutsche Bank AG is triggered should the fair value liability exceed \$40 million and the University's long term credit rating remains at A1/A+. The collateral posting provision for the two agreements with Barclays Bank PLC is triggered should the combined fair value liability exceed \$40 million and the University's long term credit rating declines to A2/A. At its current ratings level of A1/A, no amount of fair value liability will trigger a posting requirement for the Barclays Bank PLC agreements. The provisions with both counterparties provide that the liability threshold decreases if the University's long term credit ratings decline. At June 30, 2020, the University is not required to post collateral to its counterparties.

12. Retirement Plan

The University participates in a defined contribution retirement plan for substantially all of its employees. Employees may elect to invest in various accounts with the Teachers' Insurance and Annuity Association of America ("TIAA"), Fidelity Investments, or a combination of both. Contributions were approximately \$11,077,000 and \$10,506,000 for the years ended June 30, 2020 and 2019, respectively. Contributions are based upon a percentage of the employees' compensation.

13. Functional Expenses

Expenses are presented by functional classification. Each functional classification includes all expenses related to the underlying operations by natural classification. The costs of operation and maintenance of plant, depreciation, and interest expense have been allocated across all functional expense categories to reflect the full cost of those activities.

Costs are allocated using the following methods: Expense for the depreciation, administration, supervision, operation, maintenance, preservation, and protection of the institution's physical plant are allocated based on square footage. Interest expense is allocated based on usage of debt-financed space.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

The following summarizes the allocation of functional expenses as of June 30, 2020 and 2019 (dollars in thousands):

	2020						Total
	Instruction and Research	Sponsored Research	Student Services	Auxiliary Enterprises	External Relations	Institution and Academic Support	
Wages and benefits	\$ 102,796	\$ 19,614	\$ 11,703	\$ 4,954	\$ 10,248	\$ 36,684	\$ 185,999
Operating expenses	17,824	11,370	6,706	11,307	2,639	18,658	68,504
Depreciation	7,237	1,562	4,970	8,154	138	1,809	23,870
Interest expense	2,629	256	2,904	4,770	41	227	10,827
Total operating expenses before early retirement incentives	\$ 130,486	\$ 32,802	\$ 26,283	\$ 29,185	\$ 13,066	\$ 57,378	\$ 289,200
Early retirement incentives							5,130
Total operating expenses after early retirement incentives							\$ 294,330

	2019						Total
	Instruction and Research	Sponsored Research	Student Services	Auxiliary Enterprises	External Relations	Institution and Academic Support	
Wages and benefits	\$ 99,937	\$ 17,788	\$ 11,471	\$ 4,820	\$ 9,068	\$ 34,277	\$ 177,361
Operating expenses	22,413	11,998	6,170	14,142	3,305	19,546	77,574
Depreciation	6,836	1,162	5,257	8,110	127	2,094	23,586
Interest expense	2,092	189	2,849	4,660	14	185	9,989
	\$ 131,278	\$ 31,137	\$ 25,747	\$ 31,732	\$ 12,514	\$ 56,102	\$ 288,510

External relations expenditures include approximately \$8,061,000 and \$7,289,000 of fundraising expenses for the years ended June 30, 2020 and 2019, respectively.

In response to the economic uncertainty of COVID-19, for the fiscal year ended June 30, 2020, the University instituted a voluntary early retirement incentive plan for employees meeting certain age and service requirements. Fifty-eight employees accepted the program, which included termination effective June 30, 2020. \$5,130,000 related to the voluntary early retirement incentive plan is included in the Statement of Activities and in Accounts Payables and Accrued Liabilities in the Statement of Financial Position. There are no plans to offer further early retirement incentive plans at this time.

14. Availability of Resources

The University regularly monitors liquidity required to meet its operating needs and other contractual commitments. When reviewing available resources required to meet its expenditures over a 12-month period, the University considers all expenditures related to its ongoing activities.

In addition to the financial assets available to meet expenditures over the next 12 months, the University operates with a balanced budget and anticipates collecting sufficient revenue to cover expenditures not covered by donor-restricted resources. The University has generated operating cash flows for the fiscal years ended June 30, 2020 and 2019.

The following summarizes the financial assets available to meet its expenditures, as of June 30, 2020:

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

	Resources Available at 6/30/20	Resources Appropriated by the Board and Available in FY 2020	Resources not Available Within 12 Mmonths	Total
Financial assets available within 12 months				
Cash and cash equivalents	\$ 45,848	\$ -	\$ -	\$ 45,848
Accounts receivable, net	12,515	-	-	12,515
Contributions (unrestricted) due in 1 year or less available for expenditures	5,811	-	-	5,811
Forecasted payout of donor-restricted endowments	-	13,896	-	13,896
Forecasted payout on board designated endowments	-	8,870	-	8,870
Investments not subject to donor restrictions or board designations	593	-	-	593
Total financial assets available within 12 months	64,767	22,766	-	87,533
Financial assets not available for expenditures within 12 months				
Cash, cash equivalents and investments	-	-	624,721	624,721
Contributions not due within one year	-	-	17,930	17,930
Student loan receivables, net	-	-	15,717	15,717
Liquidity resources				
Bank line of credit (no balance outstanding as of June 30, 2020)	50,000	-	-	50,000
Total financial assets and other liquidity resources	\$ 114,767	\$ 22,766	\$ 658,368	\$ 795,901

Included in financial assets not available for expenditure at June 30, 2020, the University had \$188,715,000 of board-designated endowments that, with the board's approval, could be made available for expenditures.

15. Liquidity

Of the University's Investments, 47% are redeemable within 30 days, 30% may be redeemed either at future specified redemption dates or currently by incurring a penalty, and 23% are in real estate, private equities, and other private investments. Constraints that limit the University's ability to withdraw capital after such investments are made may limit the amount available for withdrawal at a given redemption date which could limit the University's ability to respond quickly to changes in market conditions.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

16. Net Assets

Net assets consist of the following at June 30, 2020 and 2019 (in thousands):

	2020		
	Without Donor Restrictions	With Donor Restrictions	Total
Endowment funds			
Long-term investment (quasi - endowment)	\$ 188,715	\$ -	\$ 188,715
Original principal	-	211,694	211,694
Unspent income and appreciation			
Scholarship support	-	42,534	42,534
Faculty support	-	11,307	11,307
Program support	-	30,117	30,117
Total endowment funds	<u>188,715</u>	<u>295,652</u>	<u>484,367</u>
Split-interest agreements and perpetual trusts	1,766	21,450	23,216
Student loan funds	13,215	4,162	17,377
Gifts and other unexpended revenues			
Acquisition of building and equipment	-	7,667	7,667
Instruction, research and institutional support	-	23,057	23,057
Undesignated	<u>96,137</u>	<u>-</u>	<u>96,137</u>
	<u>\$ 299,833</u>	<u>\$ 351,988</u>	<u>\$ 651,821</u>
2019			
	Without Donor Restrictions	With Donor Restrictions	Total
Endowment funds			
Long-term investment (quasi - endowment)	\$ 199,666	\$ -	\$ 199,666
Original principal	-	200,022	200,022
Unspent income and appreciation			
Scholarship support	-	64,911	64,911
Faculty support	-	13,302	13,302
Program support	-	30,619	30,619
Total endowment funds	<u>199,666</u>	<u>308,854</u>	<u>508,520</u>
Split-interest agreements and perpetual trusts	1,558	24,216	25,774
Student loan funds	13,855	4,072	17,927
Gifts and other unexpended revenues			
Acquisition of building and equipment	-	7,807	7,807
Instruction, research and institutional support	-	4,895	4,895
Undesignated	<u>107,797</u>	<u>-</u>	<u>107,797</u>
	<u>\$ 322,876</u>	<u>\$ 349,844</u>	<u>\$ 672,720</u>

Worcester Polytechnic Institute

Notes to Consolidated Financial Statements

June 30, 2020

17. Related Parties

Alumni Association of Worcester Polytechnic Institute (“Alumni Association”)

The Alumni Association, a separate 501(c)(3) organization, invests the majority of its funds in the University’s endowment. At June 30, 2020 and 2019, funds held for others in the consolidated statements of financial position include Alumni Association assets of \$2,981,000 and \$2,929,000, respectively.

18. Commitments and Contingencies

Construction Contracts

For the years ended June 30, 2020 and 2019, the University had contracted for various renovations and construction projects across campus totaling approximately \$67,209,000 and \$49,414,000 respectively.

Investments

The University is obligated under certain limited partnership agreements and other alternative investment arrangements to advance additional funding periodically up to specified levels. At June 30, 2020 and 2019, the University had unfunded commitments of approximately \$63,505,000 and \$60,009,000, respectively, that can be called through fiscal year 2030. These commitments will be funded from the University’s existing cash and investments.

Operating Leases

The University is obligated under noncancelable operating leases for office space and storage facilities. The future minimum rental commitments for the next five years under these agreements as of June 30, 2020, are approximately as follows (in thousands):

Guarantees

The University has guaranteed commercial loans with an outstanding amount of approximately \$1,776,000 to seven fraternities. These loans are collateralized by real property owned by the fraternities.

Uncertain Tax Positions

The University is generally exempt from federal and state income taxes. Management annually reviews for uncertain tax positions along with any related interest and penalties and believes that the University has no uncertain tax positions that would have a material adverse effect, individually or in the aggregate, upon the University’s consolidated statements of financial position, or the related consolidated statements of activities, or cash flows.

Sponsored Research

The University’s sponsored research program and indirect cost recovery are subject to audit by the respective sponsoring federal agency as provided for in federally sponsored research regulations. Management believes that any such audit will not have a material adverse effect, individually or in the aggregate, upon the University’s consolidated statements of financial position, or the related consolidated statements of activities, or cash flows.

Self-insured Medical Claims

The University is self-insured for medical claims and is a member of a captive insurer providing stop-loss insurance to cover plan expenses in excess of certain limits. Management believes insurance claims that have occurred as of June 30, 2020 and 2019 but not yet reported or paid have been adequately reserved.

Worcester Polytechnic Institute
Notes to Consolidated Financial Statements
June 30, 2020

Other Commitments and Contingencies

In May 2009, the University entered into a payment in lieu of taxes (“PILOT”) agreement with the City of Worcester. The 25 year agreement provides for the University to pay approximately \$450,000 annually in voluntary payments, increasing 2.5% annually. The agreement calls for the City of Worcester to use these amounts to support the operations of the Worcester Public Library and for the implementation of the master plan to renovate Institute Park. In April 2015, the PILOT agreement was amended to increase the voluntary payment by an additional \$130,000 annually, also increasing 2.5% annually.

The University is also involved in various legal actions arising in the normal course of its activities. Although the ultimate outcome is not determinable at this time, management, after taking into consideration advice of legal counsel believes that the resolution of these pending matters will not have a material adverse effect, individually or in the aggregate, upon the University’s consolidated statements of financial position, or the related consolidated statements of activities, or cash flows.

19. Subsequent Events

Management has evaluated subsequent events for the period after June 30, 2020 through November 2, 2020, the date the financial statements were issued, and determined that there have been no subsequent events that would require recognition in the financial statements or disclosure in the notes of the financial statements.

20. Schedule of Financial Responsibility Ratios

As disclosed in the accompanying supplemental schedule, the Department of Education finalized new borrower defense rules that require the inclusion of a supplemental schedule to the audited financial statements that contains all financial elements needed to calculate the composite score ratios with a cross-reference to the financial statement line, or notes disclosure, that contains the element. The required financial elements as of June 30, 2020 not already included in a previous footnote are outlined below.

(in thousands)

Financial Element	Amount
Property, plant, and equipment, net (includes construction in progress and capital leases)	\$ 420,437
Property, plant, and equipment- pre-implementation (inc cap leases)	328,899
Property, plant, and equipment- post-implementation without original debt (inc cap leases)	12,040
Related party receivables	15,599
Long-term debt- for long term purposes pre-implementation	273,833
Note payable and line of credit for construction in progress	48,319
Term endowments with donor restrictions	209,810
Life income funds with donor restrictions	15,254
Non-operating and net investment loss	13,642
Net investment losses	1,964
Investment return appropriated for spending	9,836
Non-operating revenue and other gains	19,069

Worcester Polytechnic Institute

Schedule of Financial Responsibility Ratios

June 30, 2020

(in thousands)

Reference	Financial Element	Amount
Primary Reserve Ratio		
Expendable Net Assets		
Consolidated Statement of Financial Position- Net Assets without Donor Restrictions	Net assets without donor restrictions	\$ 299,833
Consolidated Statement of Financial Position- Net Assets with Donor Restrictions	Net assets with donor restrictions	351,988
Note to the Consolidated Financial Statements- Note 20	Secured and unsecured related party receivable	15,599
Note to the Consolidated Financial Statements- Note 20	Unsecured related party receivables	15,599
Note to the Consolidated Financial Statements- Note 20	Property, plant, and equipment, net (includes construction in progress and capital leases)	420,437
Note to the Consolidated Financial Statements- Note 20	Property, plant, and equipment- pre-implementation (inc cap leases)	328,899
Note to the Consolidated Financial Statements- Note 20	Property, plant, and equipment- post-implementation without original debt (inc cap leases)	12,040
Note to the Consolidated Financial Statements- Note 8	Construction in Process	79,498
Note to the Consolidated Financial Statements- Note 9	Lease right-of-use asset, net	13,092
Note to the Consolidated Financial Statements- Note 9	Lease right-of-use asset, post-implementation	13,092
Consolidated Statement of Financial Position- Bonds and mortgages payable, net	Long-term debt- for long term purposes	408,886
Note to the Consolidated Financial Statements- Note 20	Long-term debt- for long term purposes pre-implementation	273,833
Note to the Consolidated Financial Statements- Note 20	Note payable and line of credit for construction in progress	48,319
Note to the Consolidated Financial Statements- Note 9	Lease right-of-use asset liability, net	14,209
Note to the Consolidated Financial Statements- Note 9	Post-implementation right-of-use asset liability	14,209
Note to the Consolidated Financial Statements- Note 20	Term endowments with donor restrictions	209,810
Note to the Consolidated Financial Statements- Note 20	Life income funds with donor restrictions	15,254
Consolidated Statement of Financial Position- Net Assets with Donor Restrictions	Net assets with donor restrictions: restricted in perpetuity	225,064
Consolidated Statement of Financial Position- Net Assets with Donor Restrictions	Net assets with donor restrictions: Other for purpose or time	126,924
	Total Expendable Net Assets	\$ 55,089
Total Expenses and Losses		
Consolidated Statement of Activities- Total Expenses	Total expenses without donor restrictions	\$ 294,330
Note to the Consolidated Financial Statements- Note 20	Non-operating and net investment loss	13,642
Note to the Consolidated Financial Statements- Note 20	Net investment losses	1,964
	Total Expenses and Losses	\$ 309,936
Equity Ratio		
Modified Net Assets		
Consolidated Statement of Financial Position- Net Assets without Donor Restrictions	Net assets without donor restrictions	\$ 299,833
Consolidated Statement of Financial Position- Net Assets with Donor Restrictions	Net assets with donor restrictions	351,988
N/A	Unsecured related party receivables	15,599
	Total Modified Net Assets	\$ 667,420
Modified Assets		
Consolidated Statement of Financial Position- Total Assets	Total assets	\$ 1,164,377
Note to the Consolidated Financial Statements- Note 20	Secured and unsecured related party receivable	15,599
Note to the Consolidated Financial Statements- Note 20	Unsecured related party receivables	15,599
	Total Modified Assets	\$ 1,179,976
Net Income Ratio		
Change in Net Assets Without Donor Restrictions	Change in net assets without donor restrictions:	\$ (23,043)
Consolidated Statement of Activities- Total change in net assets	Total Change in Net Assets Without Donor Restrictions	\$ (23,043)
Total Revenues and Gains		
Consolidated Statement of Activities- Total Revenue and Other Support	Total operating revenue and other additions (gains)	\$ 290,356
Note to the Consolidated Financial Statements- Note 20	Investment return appropriated for spending	9,836
Note to the Consolidated Financial Statements- Note 20	Non-operating revenue and other gains	19,069
	Total Revenues and Gains	\$ 261,451

Worcester Polytechnic Institute
Note to Schedule of Financial Responsibility Ratios
June 30, 2020

1. Basis of Presentation

The proceeding schedule of financial responsibility ratios (the "Schedule") of the University provides financial information required by the Department of Education to calculate the primary reserve ratio, equity ratio, net income ratio and the composite score as defined in Subpart L of 34 CFR 668 for the fiscal year-ended June 30, 2020. The financial information in the Schedule has been prepared in accordance with accounting principles generally accepted in the United States of America consistent with the consolidated financial statements. The Schedule is presented for purposes of additional analysis as required by the Department of Education and is not a required part of the basic financial statements.

Worcester Polytechnic Institute

Schedule of Expenditures of Federal Awards

June 30, 2020

Federal Grantor/Pass-Through Grantor/Program or Cluster Title	CFDA Number	Entity Identifying Number	Total Expenditures	Through to Subrecipients
STUDENT FINANCIAL AID CLUSTER				
U.S. Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007		\$ 423,538	\$ -
William D. Ford Federal Direct Stafford Loan Program	84.268		25,889,333	
Work Study Program	84.033		496,758	
Pell Grant Program	84.063		2,186,280	
Perkins Loan Program				
Outstanding Loans as of July 1, 2019	84.038		8,525,006	
Total Student Financial Assistance Cluster			<u>37,520,915</u>	<u>-</u>
RESEARCH AND DEVELOPMENT CLUSTER				
Department of Agriculture				
Partnership Agreements	10.699		7,188	-
Agricultural Statistics Reports	10.950		94,990	-
Pass-Through Programs From				
University of Illinois - Urbana-Champaign	10.310	2017-05022/2018-6701-27913	71,429	-
Total Department of Agriculture			<u>173,607</u>	<u>-</u>
Department of Commerce				
National Institute for Standards and Technology				
Pass-Through Programs From				
National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL)	11.619	70NANB17H002	4,057	-
University of California, San Diego	11.609	92369262 / 70NANB17H211	27,804	-
University of Delaware	11.619	SP1.0-1 / 51127	8,580	-
Total National Institute for Standards and Technology			<u>40,441</u>	<u>-</u>
Department of Defense				
Defense Advanced Research Projects Agency				
Research and Technology Development	12.910		781,557	-
Pass-Through Programs From				
Raytheon BBN Technologies	12.RD	90094	261,922	-
Virginia Polytechnic Institute & State University	12.910	450559-19C98/N660011824030	68,374	-
Total Defense Advanced Research Projects Agency			<u>1,111,853</u>	<u>-</u>
Defense Logistics Agency				
Pass-Through Programs From				
Advanced Technology International	12.RD	2018-514 / SP4701-17-D-1134	96,649	-
Total Defense Logistics Agency			<u>96,649</u>	<u>-</u>
Department of the Air Force				
Military Medical Research and Development	12.420		18,996	-
Air Force Defense Research Sciences Program	12.800		268,119	-
Pass-Through Programs From				
Leidos, Inc.	12.RD	PO10200226	60,769	-
MIT Lincoln Laboratory	12.RD	7000463080	60,485	-
MIT Lincoln Laboratory	12.RD	7000463385	86,007	-
MIT Lincoln Laboratory	12.RD	7000475064	42,190	-
NextFlex	12.800	FA8650-15-2-5401	99,245	-
Total Department of the Air Force			<u>635,811</u>	<u>-</u>
Department of the Army				
Military Medical Research and Development	12.420		114,155	-
Basic Scientific Research	12.431		3,245,811	-
Direct Programs	12.RD		156,051	-
Pass-Through Programs To				
Massachusetts Materials Technologies LLC	12.431	19-TMP-10425-GR	-	77,060
Regents of the University of California at Irvine	12.431	10520-GR	-	200,000
Regents of the University of California at Irvine	12.431	10520-GR	-	45,277
Regents of the University of California at Irvine	12.431	18-TMP-01-215468	-	34,431
Regents of the University of California Merced	12.431	10750-GR	-	5,413
The Pennsylvania State University	12.431	16-TMP-01-215461	-	250,215
University of Massachusetts Amherst	12.431	16-TMP-00-215461	-	13,733
University of Massachusetts Lowell	12.630	10574-GR	-	61,292
University of Massachusetts Lowell	12.431	19-TMP-10416-GR	-	164,838
Pass-Through Programs From				
Advanced Regenerative Manufacturing Institute	12.630	T0013-A	141,249	-
Advanced Regenerative Manufacturing Institute	12.630	T0040	44,755	-
Advanced Regenerative Manufacturing Institute	12.630	T0137	151,898	-
Colorado State University	12.RD	G-27001-03	33,162	-
Craig Hospital	12.420	1WPI	106,066	-
Maine Medical Center	12.420	111233-02	2,023	-
PPG Industries, Inc.	12.RD	201633-140827	60,708	-
The Rogosin Institute	12.420	Oxburgh-DoD-W81XWH-01	12,109	-
Total Department of the Army			<u>4,067,987</u>	<u>852,259</u>
Department of the Navy				
Basic and Applied Scientific Research	12.300		148,693	-
Pass-Through Programs From				
Northeastern University	12.300	N00014-18-1-2768	100,705	-
Raytheon BBN Technologies	12.RD	503381-78050	190,638	-
University of Washington	12.300	UWSC9964	129,842	-
Total Department of the Navy			<u>569,878</u>	<u>-</u>
Total Department of Defense			<u>6,482,178</u>	<u>852,259</u>

The accompanying notes are an integral part of this schedule.

Worcester Polytechnic Institute

Schedule of Expenditures of Federal Awards

June 30, 2020

Federal Grantor/Pass-Through Grantor/Program or Cluster Title	CFDA Number	Entity Identifying Number	Total Expenditures	Through to Subrecipients
Department of Education				
Graduate Assistance in Areas of National Need	84.200		502,652	-
Education Research, Development and Dissemination	84.305		631,228	-
Investing in Innovation (I3) Fund	84.411		405,547	-
Pass-Through Programs To				
College of the Holy Cross	84.305	16-216370-00	-	23,965
Lesley University	84.411	10755-GR	-	55,439
Teaching With Data LLC	84.305A	10521-GR	-	28,163
Teaching With Data LLC	84.411	10784-GR	-	66,152
Teaching With Data LLC	84.305	18-216420-01	-	9,284
University of Indiana	84.305	18-216430-01	-	129,598
University of Maine	84.305	18-216430-02	-	72,169
Westat, Inc.	84.305	18-216430-03	-	25,191
WestEd	84.411	10756-GR	-	79,612
Pass-Through Programs From				
American Institute for Research	84.305	0440300001/R305A170243	230,448	-
Graspable, Inc.	84.RD	GRASP-WPI-01	505	-
SRI International	84.305	PO15783/R305A170137	(11)	-
WestEd	84.305	S158893/R305A170137	396,753	-
Total Department of Education			<u>2,167,122</u>	<u>489,573</u>
Department of Energy				
Conservation Research and Development	81.086		208,303	-
Renewable Energy Research and Development	81.087		428,810	-
Fossil Energy Research and Development	81.089		142,881	-
Pass-Through Programs To				
A123 Systems LLC	81.086	18-218670-02	-	53,021
Battery Resourcers, LLC	81.086	18-218670-02	-	4,891
Boston University	81.089	10459-GR	-	39,050
Curators of the University of Missouri	81.086	10685-GR	-	16,027
Mainstream Engineering Corporation	81.087	10636-GR	-	3,451
Massachusetts Institute of Technology - MIT	81.087	10634-GR	-	118,320
Microvast, Inc.	81.086	10686-GR	-	1,169
Rice University	81.086	10687-GR	-	29,355
University of California, Riverside	81.087	10635-GR	-	38,189
Woods Hole Oceanographic Institution	81.087	10637-GR	-	32,545
Pass-Through Programs From				
Argonne National Laboratory	81.RD	9F-60039	49,184	-
Argonne National Laboratory	81.RD	9F-60088	32,479	-
Argonne National Laboratory	81.RD	9F-60206	39,324	-
Battelle Energy Alliance, LLC	81.RD	221144	31,264	-
Battery Resourcers, LLC	81.049	WPI4	36,264	-
Boston University School of Public Health	81.089	450002520	9,011	-
BWXT Pantex, LLC.	81.RD	0000081609	10,380	-
Florida International University	81.089	800007143-02UG	65,309	-
Florida International University	81.089	800008420-01	5,373	-
The United States Advanced Battery Consortium LLC (USABC)	81.086	18-2210-ABC	163,258	-
The United States Advanced Battery Consortium LLC (USABC)	81.086	19-2240-ABC	111,372	-
UT-Battelle, LLC	81.RD	4000166539	68,243	-
Virginia Commonwealth University	81.RD	FP00011308_SA001	33,818	-
Total Department of Energy			<u>1,435,273</u>	<u>336,017</u>
Department of Health and Human Services				
National Institutes of Health				
Aging Research	93.866		142,336	-
Biomedical Research and Research Training (B, M)	93.859		1,096,555	-
Cancer Detection and Diagnosis Research (B)	93.394		651,190	-
Cardiovascular Diseases Research	93.837		117,683	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		394,163	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		320,348	-
Medical Library Assistance	93.879		247,070	-
Research and Training in Complementary and Integrative Health	93.213		178,915	-
Research Related to Deafness and Communication Disorders	93.173		255,556	-
Trans-NIH Research Support	93.310		272,027	-
Pass-Through Programs To				
Acoustic MedSystems, Inc.	93.394	19-10463-GR	-	154,286
Albany Medical Center	93.394	10462-GR	-	117,630
California Baptist University	93.859	18-211080-01	-	20,227
California Baptist University	93.859	18-211080-01	-	1,151
Dartmouth-Hitchcock Clinic	93.853	16-210950-04	-	7,337
General Electric Company	93.394	19-10464-GR	-	250,657
Johns Hopkins University	93.310	10620-GR	-	16,531
University of Connecticut Health Center	93.859	16-210890-00	-	(2,220)
University of Indiana	93.853	16-210950-02	-	10,957
University of Massachusetts Medical School	93.859	10622-GR	-	11,342
University of Massachusetts Medical School	93.286	18-211110-01	-	149,752
Pass-Through Programs From				
Bowdoin College	93.855	2018_005	6,151	-
Butler Hospital	93.273	9256-8304	13,859	-
Butler Hospital	93.279	9452-8304	13,859	-
Case Western Reserve University	93.286	RES512577	(7,196)	-

The accompanying notes are an integral part of this schedule.

Worcester Polytechnic Institute

Schedule of Expenditures of Federal Awards

June 30, 2020

Federal Grantor/Pass-Through Grantor/Program or Cluster Title	CFDA Number	Entity Identifying Number	Total Expenditures	Through to Subrecipients
Dartmouth College	93.286	R999	192,751	-
Liberating Technologies, Inc.	93.865	30L-076519	66,468	-
Massachusetts Eye and Ear Infirmary	93.173	2300163-01	140,569	-
Q2i, LLC	93.279	1R41DA051156-01	9,226	-
University of Connecticut	93.837	206746	55,691	-
University of Illinois - Chicago	93.286	17540-00	81,001	-
University of Illinois - Chicago	93.397	AWD071815-01-PR (SUB00000034)	5,006	-
University of Massachusetts Medical School	93.242	R01MH118220	18,205	-
University of Massachusetts Medical School	93.853	WA00484705/OSP2017069	40,366	-
University of Oregon	93.279	217260A	5,213	-
Total National Institutes of Health			4,317,012	737,650
Total Department of Health and Human Services			4,317,012	737,650
National Aeronautics and Space Administration				
Space Operations	43.007		18,959	-
Space Technology	43.012		55,562	-
Pass-Through Programs From				
Carnegie Mellon University	43.001	1110234-424840	62,255	-
Nanocomp Technologies, Inc.	43.RD	PO56351	32,342	-
Total National Aeronautics and Space Administration			169,118	-
National Science Foundation				
Biological Sciences	47.074		256,980	-
Computer and Information Science and Engineering	47.070		3,937,682	-
Education and Human Resources	47.076		2,737,998	-
Engineering Grants	47.041		2,129,815	-
Mathematical and Physical Sciences	47.049		661,112	-
Office of International Science and Engineering	47.079		58,079	-
Pass-Through Programs To				
John Jay College of Criminal Justice	47.041	10443-GR	-	8,444
Lehigh University	47.076	10413-GR	-	107,669
Lesley University	47.070	18100006-AWD-01	-	63,205
Teaching With Data LLC	47.070	10428-GR	-	11,223
Teaching With Data LLC	47.076	10576-GR	-	1,918
Teaching With Data LLC	47.070	10580-GR	-	4,961
The Learning Center for the Deaf	47.070	10604-GR	-	64,444
The Rector and Visitors of the University of Virginia	47.070	19-18100011-01	-	17,749
Pass-Through Programs From				
American Physical Society	47.079	1927275	38,796	-
Georgia Institute of Technology	47.049	PHY-1707990	2,178	-
Mathematical Association of America	47.070	AWD-102394-G1	33,067	-
Northeastern University	47.076	3-8-710-892	30,658	-
University of Colorado Boulder	47.070	502526-78050	25,061	-
University of Connecticut	47.049	1558248 / PO1001253491	97,459	-
University of Illinois - Urbana-Champaign	47.076	133185	32,970	-
University of Massachusetts Amherst	47.041	083140-16245	64,962	-
University of Massachusetts Amherst	47.041	21-015987-A	5,809	-
University of Massachusetts Lowell	47.041	16-009066 A	(111)	-
University of Minnesota	47.041	SS2100000041776	130,248	-
University of Washington	47.041	A007047301	11,532	-
University of Washington	47.070	UWSC8797	1,091	-
Wright State University	47.070	UWSC9973	3,132	-
Total National Science Foundation			10,258,518	279,614
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008		134,275	-
Total Nuclear Regulatory Commission			134,275	-
Total Research and Development Cluster			25,177,544	2,695,113
OTHER PROGRAMS				
Department of Defense				
Department of the Army				
Pass-Through Programs From				
Advanced Robotics for Manufacturing Institute (ARM)	12.U01		38,625	-
Total Department of Defense	12.630	ARM-EWD-18-01-F-14	50,171	-
Department of Education				
Undergraduate International Studies and Foreign Language	84.016		9,541	-
COVID-19 Higher Education Emergency Relief Fund Student Portion	84.425E		1,353,597	-
COVID-19 Higher Education Emergency Relief Fund Institutional Portion	84.425F		1,353,598	-
Total COVID-19 Higher Education Emergency Relief Fund			2,707,195	-
Total Department of Education			2,716,736	-
Department of Energy				
Renewable Energy Research and Development	81.087		805	-
Total Department of Energy			805	-
National Endowment for the Humanities				
Promotion of the Humanities, Teaching and Learning Resources and Curriculum Development	45.162		14,312	-
Total National Endowment for the Humanities			14,312	-
National Institute of Standards and Technology				
National Institute for Innovation in Manufacturing Biopharmaceuticals (NIIMBL)	11.619		43,205	-
Total National Institute of Standards and Technology			43,205	-
Total Other Programs			2,863,854	-
Total Expenditures of Federal Awards			\$ 65,562,313	\$ 2,695,113

The accompanying notes are an integral part of this schedule.

Worcester Polytechnic Institute

Notes to Schedule of Expenditures of Federal Awards

June 30, 2020

1. Basis of Presentation

The accompanying schedule of expenditures of federal awards (the "Schedule"), includes the federal grant activity of Worcester Polytechnic Institute (the "University") for the year ended June 30, 2020 and is presented on the accrual basis of accounting. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit requirements for Federal Awards* (Uniform Guidance). As the Schedule presents only a selected portion of the expenditures of the University, it is not intended to, and does not present the financial position, changes in net assets, or cash flows of the University. Direct awards are listed in total and pass-through awards are listed individually (with pass-through numbers when available) on the Schedule. Negative amounts represent adjustments or credits to amounts reported as expenditures in prior years in the normal course of business. CFDA numbers are presented where available. Amounts passed through to each subrecipient by CFDA are included in the total expenditure column of the respective awards and then additional detail provided in the column amounts passed through to the subrecipient.

2. Indirect Costs

The University applies its predetermined approved facilities and administrative rate when charging indirect costs to federal awards rather than the 10% de minimus cost rate as described in Section 200.414 of the Uniform Guidance.

3. Federal Perkins Loan Program

The University did not process any new loans under the Federal Perkins Loan Program (CFDA # 84.038) for the year ended June 30, 2020. The balance of Perkins Loans outstanding at June 30, 2020 was \$6,615,765.

Part II

Reports on Internal Controls and Compliance



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

To the Board of Trustees
of Worcester Polytechnic Institute

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States, the consolidated financial statements of Worcester Polytechnic Institute and its subsidiaries, which comprise the consolidated statement of financial position as of June 30, 2020, and the related consolidated statements of activities and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated November 2, 2020 which included an emphasis of matter paragraph related to changing the manner in which it accounts for leases in 2020 in Note 1, except with respect to Note 20 to the financial statements and the opinion on the schedule of financial responsibility ratios, as to which the date is June 22, 2021,

Internal Control Over Financial Reporting

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

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

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



Compliance and Other Matters

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

Purpose of this Report

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

PricewaterhouseCoopers LLP

Boston, Massachusetts

November 2, 2020, except with respect to Note 20 to the financial statements and the opinion on the schedule of financial responsibility ratios, as to which the date is June 22, 2021



**Report of Independent Auditors on Compliance with Requirements
That Could Have a Direct and Material Effect on Each Major Program and on Internal Control Over
Compliance in Accordance with the Uniform Guidance**

To the Board of Trustees
of Worcester Polytechnic Institute

Report on Compliance for Each Major Federal Program

We have audited Worcester Polytechnic Institute's compliance with the types of compliance requirements described in the OMB Compliance Supplement that could have a direct and material effect on each of Worcester Polytechnic Institute's major federal programs for the year ended June 30, 2020. Worcester Polytechnic Institute's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

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

Auditors' Responsibility

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

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



Opinion on Each Major Federal Program

In our opinion, Worcester Polytechnic Institute complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2020.

Other Matters

As indicated in Part I to the accompanying Schedule of Findings and Questioned Costs, we have audited the Student Financial Assistance cluster as a major program. Also, as indicated in the first paragraph of this report, we performed our audit of compliance using the compliance requirements contained in the OMB Compliance Supplement, including those contained in Part V 5.3, Compliance Requirement N, Special Tests and Provisions, Section 10 "Gramm-Leach-Bliley Act-Student Information Security." This section includes three suggested audit procedures with respect to verification that the institution (1) designated an individual to coordinate the information security program, (2) performed a risk assessment that addresses the three required areas in 16 CFR 314.4(b), and (3) documented a safeguard for each risk identified. Our procedures in relation to these three items were limited to inquiry of and obtaining written representation from management and obtaining and reading management's documentation related to these three items. Our procedures did not include an analysis of the adequacy or completeness of the risk assessment performed or the safeguards for each risk identified by management.

The results of our auditing procedures disclosed an instance of noncompliance, which is required to be reported in accordance with the Uniform Guidance and which is described in the accompanying schedule of findings and questioned costs as item 2020-001. Our opinion on each major federal program is not modified with respect to this matter.

The University's response to the noncompliance finding identified in our audit is described in the accompanying Management's Views and Corrective Action Plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

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



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

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

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

PricewaterhouseCoopers LLP

Boston, Massachusetts
June 22, 2021

Part III

Audit Findings and Questioned Costs

Worcester Polytechnic Institute
Schedule of Findings and Questioned Costs
June 30, 2020

Summary of Auditor's Results

I. Financial Statements

Type of auditors' report issued:	Unmodified opinion
Internal control over financial reporting:	
♦ Material weakness(es) identified?	No
♦ Significant deficiency(ies) identified that are not considered to be material weakness(es)?	None reported
♦ Noncompliance material to financial statements noted?	No

Federal Awards

Internal control over major programs:	
♦ Material weakness(es) identified?	No
♦ Significant deficiency(ies) identified that are not considered to be material weakness(es)?	None reported
Type of auditors' report issued on compliance for major programs:	Unmodified opinion
Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)?	Yes

Identification of major programs

<u>CFDA Number(s)</u>	<u>Name of Federal Program or Cluster</u>
Various 84.425E, 84.425F	Student Financial Assistance Cluster COVID-19 Higher Education Emergency Relief Fund
Dollar threshold used to distinguish between Type A and Type B programs:	\$1,966,694
Auditee qualified as low-risk auditee?	Yes

Worcester Polytechnic Institute
Schedule of Findings and Questioned Costs
June 30, 2020

II. Financial Statement Findings
None Noted

III. Federal Award Findings and Questioned Costs

2020-001 - Failure to report direct loan disbursement in a timely manner

Cluster: Student Financial Assistance
Grantor: Department of Education
Award Name: Federal Pell Grant Program
Award Year: FY2020
CFDA Numbers: 84.063

Criteria

In accordance with the Federal Register Volume 84, Number 212, published November 1, 2019 (84 FR 58700), "An institution must submit Pell Grant, Iraq and Afghanistan Service Grant, Direct Loan, and TEACH Grant disbursement records to COD, no later than 15 days after making the disbursement or becoming aware of the need to adjust a previously reported disbursement. In accordance with 34 CFR 668.164(a), title IV, HEA program funds are disbursed on the date that the institution: (a) Credits those funds to a student's account in the institution's general ledger or any subledger of the general ledger; or (b) pays those funds to a student directly. Title IV, HEA program funds are disbursed even if an institution uses its own funds in advance of receiving program funds from the Department." Institutions must report all loan disbursements and submit required records to the Direct Loan Servicing System (DLSS) via the Common Origination and Disbursement (COD) Reporting system..

Condition

We selected 25 disbursements for testing and identified 1 Pell award disbursement for \$6,195 that was reported to the COD past the 15 day requirement. This disbursement was reported 40 days late during the fall semester.

Cause

Management failed to submit the records to the DLSS in a timely manner due to human error within the department. The process of submitting records to DLSS prior to October 2020 was highly manual in nature and required a higher level of staff involvement compared to the process effective in October 2020 as a result of a new software implementation.

Effect

The selected disbursement was not reported in a timely manner to the DLSS via the COD system. The University's failure to submit disbursement records within the required timeframe may result in the Department of Education rejecting all or part of the reported disbursement and/or additional adverse actions in accordance with 34 CFR 668.

Questioned cost

None identified.

Recommendation

We recommend that the University provide adequate training to the individuals responsible for submitting data to the Department of Education through the COD system, emphasizing the importance of timely and accurate reporting.

Views of Responsible Officials and Planned Corrective Action Plan

See management's views and corrective action plan.

Worcester Polytechnic Institute
Schedule of Status of Prior Audit Findings
June 30, 2020

There are no findings from prior years that require an update in this report.

WORCESTER POLYTECHNIC INSTITUTE

FINANCIAL SERVICES

Management's Views and Corrective Action Plan

2020-001 - Failure to report direct loan disbursement in a timely manner

Award Information

Cluster: Student Financial Assistance

Grantor: Department of Education

Award Name: Federal Pell Grant Program

Award Year: FY2020

CFDA Numbers: 84.063

The University acknowledges that notification to the DLSS via the COD system was delayed when disbursing certain awards. The University made policy and procedure changes effective in October 2020 to ensure that reporting to COD is an integrated part of the disbursement process by using new financial aid software and providing additional training to staff.

The University Controller, Patrick Hitchcock, who can be reached at phitchcock@wpi.edu, is responsible for the implementation of this corrective action plan.



Patrick Hitchcock, University Controller

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