



BROWN UNIVERSITY

Financial Statements

June 30, 2018 and 2017

(With Independent Auditors' Report Thereon)



KPMG LLP
One Financial Plaza, Suite 2300
Providence, RI 02903

Independent Auditors' Report

The President and Corporation
Brown University:

We have audited the accompanying financial statements of Brown University, which comprise the balance sheets as of June 30, 2018 and 2017, the related statements of activities and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

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

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

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

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Brown University as of June 30, 2018 and 2017, and the changes in its net assets and its cash flows for the years then ended in accordance with U.S. generally accepted accounting principles.

KPMG LLP

October 29, 2018

BROWN UNIVERSITY

Balance Sheets

June 30, 2018 and 2017

(Dollars in thousands)

Assets	2018	2017
Cash and cash equivalents	\$ 243,241	210,714
Accounts receivable and other assets	62,500	59,362
Contributions receivable, net	217,634	158,224
Notes receivable, net	28,306	29,031
Funds held in trust by others	94,443	35,530
Investments	4,021,114	3,777,316
Land, buildings and equipment, net	1,124,728	1,099,743
Total assets	<u>\$ 5,791,966</u>	<u>5,369,920</u>
Liabilities and Net Assets		
Liabilities:		
Accounts payable and accrued liabilities	\$ 106,288	59,761
Liabilities associated with investments	60,128	157,954
Student deposits and grant advances	65,655	65,099
Federal student loan advances	19,875	25,271
Split-interest obligations	17,019	18,986
Other long-term obligations	66,849	82,225
Bonds, loans and notes payable	819,661	773,910
Total liabilities	<u>1,155,475</u>	<u>1,183,206</u>
Net assets:		
Unrestricted	1,077,926	964,088
Temporarily restricted	1,934,290	1,708,549
Permanently restricted	1,624,275	1,514,077
Total net assets	<u>4,636,491</u>	<u>4,186,714</u>
Total liabilities and net assets	<u>\$ 5,791,966</u>	<u>5,369,920</u>

See accompanying notes to financial statements.

BROWN UNIVERSITY

Statement of Activities

Year ended June 30, 2018

(Dollars in thousands)

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Operating revenues:				
Tuition and fees	\$ 550,763	—	—	550,763
Less university scholarships	(197,449)	—	—	(197,449)
Net tuition and fees	353,314	—	—	353,314
Grants and contracts – direct	144,228	—	—	144,228
Grants and contracts – indirect	46,002	—	—	46,002
Contributions	65,238	47,250	—	112,488
Endowment return appropriated	149,064	2,577	—	151,641
Sales and services of auxiliary enterprises	100,036	—	—	100,036
Other income	43,975	—	—	43,975
Net assets released from restrictions	15,654	(15,654)	—	—
Total operating revenues	<u>917,511</u>	<u>34,173</u>	<u>—</u>	<u>951,684</u>
Operating expenses:				
Salaries and wages	376,515	—	—	376,515
Employee benefits	108,990	—	—	108,990
Graduate student support	75,640	—	—	75,640
Purchased services	107,452	—	—	107,452
Supplies and general	141,806	—	—	141,806
Utilities	31,153	—	—	31,153
Interest	27,491	—	—	27,491
Depreciation	78,176	—	—	78,176
Operating expenses	<u>947,223</u>	<u>—</u>	<u>—</u>	<u>947,223</u>
Change in net assets from operating activities	<u>(29,712)</u>	<u>34,173</u>	<u>—</u>	<u>4,461</u>
Nonoperating activities:				
Contributions	1,231	62,981	105,068	169,280
Net investment return	93,782	340,802	1,122	435,706
Endowment return appropriated	(25,283)	(126,358)	—	(151,641)
Other changes, net	(5,613)	(6,424)	4,008	(8,029)
Net assets released from restrictions	79,433	(79,433)	—	—
Change in net assets from nonoperating activities	143,550	191,568	110,198	445,316
Change in net assets	<u>113,838</u>	<u>225,741</u>	<u>110,198</u>	<u>449,777</u>
Net assets, beginning of year	<u>964,088</u>	<u>1,708,549</u>	<u>1,514,077</u>	<u>4,186,714</u>
Net assets, end of year	<u>\$ 1,077,926</u>	<u>1,934,290</u>	<u>1,624,275</u>	<u>4,636,491</u>

See accompanying notes to financial statements.

BROWN UNIVERSITY

Statement of Activities

Year ended June 30, 2017

(Dollars in thousands)

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Operating revenues:				
Tuition and fees	\$ 514,459	—	—	514,459
Less university scholarships	(187,013)	—	—	(187,013)
Net tuition and fees	327,446	—	—	327,446
Grants and contracts – direct	130,539	—	—	130,539
Grants and contracts – indirect	41,657	—	—	41,657
Contributions	69,673	33,386	—	103,059
Endowment return appropriated	164,085	882	—	164,967
Sales and services of auxiliary enterprises	96,970	—	—	96,970
Other income	37,775	—	—	37,775
Net assets released from restrictions	13,099	(13,099)	—	—
Total operating revenues	<u>881,244</u>	<u>21,169</u>	<u>—</u>	<u>902,413</u>
Operating expenses:				
Salaries and wages	357,895	—	—	357,895
Employee benefits	104,795	—	—	104,795
Graduate student support	68,385	—	—	68,385
Purchased services	89,835	—	—	89,835
Supplies and general	131,123	—	—	131,123
Utilities	26,733	—	—	26,733
Interest	29,291	—	—	29,291
Depreciation	73,843	—	—	73,843
Operating expenses	<u>881,900</u>	<u>—</u>	<u>—</u>	<u>881,900</u>
Change in net assets from operating activities	<u>(656)</u>	<u>21,169</u>	<u>—</u>	<u>20,513</u>
Nonoperating activities:				
Contributions	1,330	43,865	66,130	111,325
Net investment return	93,471	312,110	3,764	409,345
Endowment return appropriated	(28,180)	(136,787)	—	(164,967)
Other changes, net	(276)	3,500	4,993	8,217
Net assets released from restrictions	6,414	(6,414)	—	—
Change in net assets from nonoperating activities	<u>72,759</u>	<u>216,274</u>	<u>74,887</u>	<u>363,920</u>
Change in net assets	72,103	237,443	74,887	384,433
Net assets, beginning of year	<u>891,985</u>	<u>1,471,106</u>	<u>1,439,190</u>	<u>3,802,281</u>
Net assets, end of year	<u>\$ 964,088</u>	<u>1,708,549</u>	<u>1,514,077</u>	<u>4,186,714</u>

See accompanying notes to financial statements.

BROWN UNIVERSITY

Statements of Cash Flows

Years ended June 30, 2018 and 2017

(Dollars in thousands)

	<u>2018</u>	<u>2017</u>
Cash flows from operating activities:		
Change in net assets	\$ 449,777	384,433
Adjustments to reconcile change in net assets to net cash used in operating activities:		
Net realized and unrealized gains on investments	(421,118)	(396,398)
Depreciation	78,176	73,843
Amortization of bond premium	(4,663)	(4,066)
Gain on KARING transaction	(13,748)	—
Loss from disposals of land, building and equipment	1,422	902
Change in funded status of pension obligation	(6,533)	(12,859)
Change in fair value of interest rate swap liabilities	(9,125)	(18,474)
Change in asset retirement obligation	282	1,675
Change in estimate of split-interest obligations	242	(40)
Contributions restricted for plant and endowment	(126,462)	(127,117)
Change in accounts receivable and other assets	(3,138)	(3,976)
Change in accounts payable and accrued liabilities	34,086	3,363
Change in contributions receivable, net	(59,410)	12,680
Change in other operating liabilities, net	(4,840)	3,105
Net cash used in operating activities	<u>(85,052)</u>	<u>(82,929)</u>
Cash flows from investing activities:		
Additions to land, buildings and equipment	(92,142)	(111,452)
Purchases of investments	(1,132,366)	(665,839)
Sales and redemptions of investments	1,254,399	751,975
Purchases of securities sold short	(855,901)	(153,933)
Proceeds from securities sold short	792,455	199,079
Notes repaid by students and others, net	725	2,157
Change in funds held in trust by others, excluding swap collateral	(63,013)	28,625
Net cash (used in) provided by investing activities	<u>(95,843)</u>	<u>50,612</u>
Cash flows from financing activities:		
Contributions restricted for plant and endowment	126,462	127,117
Proceeds from sale of restricted gifts of securities	20,907	23,650
Payments under split-interest obligations	(2,209)	(2,309)
Payments on long-term debt	(96,495)	(66,700)
Proceeds from issuance of debt, including premium	160,657	—
Cash collateral posted under swap agreements	(1,200)	(9,800)
Cash collateral returned under swap agreements	5,300	20,700
Advance from line of credit	55,000	—
Payment of advance from line of credit	(55,000)	—
Net cash provided by financing activities	<u>213,422</u>	<u>92,658</u>
Change in cash and cash equivalents	32,527	60,341
Cash and cash equivalents, beginning of year	<u>210,714</u>	<u>150,373</u>
Cash and cash equivalents, end of year	\$ <u>243,241</u>	<u>210,714</u>

See accompanying notes to financial statements.

BROWN UNIVERSITY

Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

(1) Summary of Significant Accounting Policies

(a) Organization

Brown University is a private, not-for-profit, nonsectarian, co-educational institution of higher education with approximately 6,670 undergraduate students and 3,000 graduate and medical students. Established in 1764, Brown University offers educational programs for undergraduates in liberal arts and engineering, professional training for students pursuing a career in medicine, and graduate education and training in the arts and sciences, engineering and medicine.

(b) Basis of Presentation and Tax Status

The accompanying financial statements are presented on the accrual basis of accounting in accordance with U.S. generally accepted accounting principles (GAAP) and present balances and transactions according to the existence or absence of donor-imposed restrictions.

The John Nicholas Brown Center for the Study of American Civilization; Farview Incorporated, a real estate holding company; KARING, a Rhode Island not-for-profit corporation that holds certain property of the Warren Alpert Medical School; and certain entities established by the University's investment office that holds certain investment funds, are all separate legal entities that are consolidated in the financial statements. Brown University and these consolidated entities are collectively referred to herein as the University. All significant inter-entity transactions and balances have been eliminated.

The University is a not-for-profit organization as described in Section 501(c)(3) of the Internal Revenue Code, as amended, and is generally exempt from income taxes. The University assesses uncertain tax positions and determined that there are no such positions that have a material effect on the financial statements.

On December 22, 2017, the Tax Cuts and Jobs Act (the "Act") was enacted. The Act impacts the University in several ways, including the addition of excise taxes on executive compensation and new rules for calculating unrelated business taxable income. While further regulatory guidance is necessary to calculate the tax assets and liabilities under the Act, we do not believe it will be material to the financial statements.

(c) Classification of Net Assets

The University is incorporated in and subject to the laws of Rhode Island, which contain the provisions outlined in the Uniform Prudent Management of Institutional Funds Act (UPMIFA). Under UPMIFA, the net assets of a donor-restricted endowment fund may be appropriated for expenditure by the Corporation of the University (the Corporation) in accordance with the standard of prudence prescribed by UPMIFA. The University has classified its net assets as follows:

- *Permanently restricted net assets* contain donor-imposed stipulations that neither expire with the passage of time nor can be fulfilled or otherwise removed by actions of the University and primarily consist of the historic dollar value of contributions to establish or add to donor-restricted endowment funds.

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(Dollars in thousands)

- *Temporarily restricted net assets* contain donor-imposed stipulations as to the timing of their availability or use for a particular purpose. These net assets are released from restrictions when the specified time elapses or actions have been taken to meet the restrictions. Net assets of donor-restricted endowment funds in excess of their historic dollar value are classified as temporarily restricted net assets until appropriated by the Corporation and spent in accordance with the standard of prudence imposed by UPMIFA and in accordance with the donors intent.
- *Unrestricted net assets* contain no donor-imposed restrictions and are available for the general operations of the University. Such net assets may be designated by the Corporation for specific purposes, including to function as endowment funds.

(d) Fair Value Measurements

Investments, funds held in trust by others, and interest rate swaps are reported at fair value in the University's financial statements. Fair value represents the price that would be received upon the sale of an asset or paid upon the transfer of a liability in an orderly transaction between market participants as of the measurement date. The University uses a three-tiered hierarchy to categorize those assets and liabilities based on the valuation methodologies employed. The hierarchy is defined as follows:

- Level 1 – Valuation based on quoted prices (unadjusted) in active markets that are accessible at the measurement date for assets or liabilities;
- Level 2 – Valuations based on inputs other than quoted prices that are observable for the asset or liability either directly or indirectly; and
- Level 3 – Valuation based on unobservable inputs used in situations in which little or no market data is available.

The fair value hierarchy gives the highest priority to Level 1 inputs and the lowest priority to Level 3 inputs. The University utilizes valuation techniques that maximize the use of observable inputs and minimize the use of unobservable inputs to the extent possible. Transfers between categories occur when there is an event that changes the inputs used to measure the fair value of an asset or liability. Transfers between fair value categories are recognized at the end of the reporting period.

Investments measured at net asset value as a practical expedient to estimate fair value are not categorized in the fair value hierarchy.

(e) Statements of Activities

The statements of activities separately report changes in net assets from operating and nonoperating activities. Operating activities consist principally of revenues and expenses related to ongoing educational and research programs, including endowment return appropriated by the Corporation to support those programs. Nonoperating activities consist of net investment return, an offset for endowment return appropriated for operating activities, changes in fair values of interest rate swaps, change in pension plan and other long-term obligations, contributions for long-term purposes, net assets released from donor restrictions for property placed in service, and other activities not in direct support of annual operations.

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Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

Revenues are derived from various sources, as follows:

- Tuition and fees are recognized at established rates, net of financial aid and scholarships provided directly to students, in the period in which the sessions are primarily provided. Deposits and other advance payments are reported as a liability. Sales and services of auxiliary enterprises are recognized at the time the services are provided.
- Contributions, including unconditional promises from donors reported as contributions receivable, are recognized at fair value in the period received and are classified based upon the existence or absence of donor-imposed restrictions. Expirations of donor-imposed restrictions are reported as net assets released from restrictions. Contributions subject to donor-imposed stipulations that are met in the same reporting period are reported as unrestricted revenue. Bequest intentions and conditional promises are not recorded in the University's financial statements.
- Government grants and contracts normally provide for the recovery of direct and indirect costs, subject to audit. The University recognizes revenue associated with direct and indirect costs as direct costs are incurred. The recovery of indirect costs is pursuant to an agreement which provides for a predetermined fixed indirect cost rate. Payments received in advance of grant and contract expenditures are reported as a liability.
- Dividends, interest and realized and unrealized gains (losses) on investments are reported as increases (decreases) in (1) permanently restricted net assets if the terms of the contributions require them to be added to principal; (2) temporarily restricted net assets if the terms of the related contributions impose restrictions on their availability or use; or (3) unrestricted net assets in all other cases. Investment return attributable to donor-restricted endowment funds is reported as temporarily restricted to the extent not appropriated and spent.

Expenses are reported as decreases in unrestricted net assets.

(f) Cash Equivalents

For purposes of the statements of cash flows, cash equivalents, except for those held by investment managers, consist of money market funds and investments with original maturities of three months or less and are carried at cost, which approximates fair value.

(g) Accounts Receivable and Other Assets and Notes Receivable

Accounts receivable and other assets include amounts due from students, reimbursements due from sponsors of externally funded research, accrued income on investments, inventory and prepaid expenses. Notes and accounts receivable are presented net of an allowance for uncollectible amounts.

(h) Land, Buildings and Equipment

Land, buildings and equipment are stated at cost of acquisition or construction (including capitalized interest) or, to the extent received as a gift, at estimated fair value at the time of receipt, and are presented net of accumulated depreciation. All other expenditures for maintenance and repairs are charged to operating activities as incurred.

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Notes to Financial Statements

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(Dollars in thousands)

Depreciation is calculated using the straight-line method with estimated useful lives of 30-to-40 years for buildings, 20-to-30 years for building improvements, and 3-to-15 years for equipment, depending upon asset class.

(i) Fund Held in Trust by Others

Funds held in trust by others represent funds that are held and administered by outside trustees, including perpetual trusts established by donors of \$28,827 and \$29,439 at June 30, 2018 and 2017, respectively. The University receives all or a specified portion of the return on the underlying assets of most of the trusts, which is primarily restricted for scholarships. Most of these trust interests are classified in Level 3 in the fair value hierarchy. Other trustee funds of \$65,616 and \$6,091 at June 30, 2018 and 2017, respectively, represent debt proceeds to be utilized for construction projects or otherwise required to be held as collateral or in reserve in accordance with debt or interest rate swap agreements. These are classified in Level 1 in the fair value hierarchy because the underlying securities held by the trustee are based on quoted market prices.

(j) Federal Student Loan Advances

The University holds certain amounts advanced by the U.S. government under the Federal Perkins Loan Program and the Health Professions Student Loan Program (the Programs). Such amounts may be re-loaned by the University after collection; however, in the event that the University no longer participates in the Programs, the amounts are generally refundable to the U.S. government.

(k) Collections

The University's collections include works of art, historical treasures, and artifacts that are maintained in the University's libraries and museums. These collections are protected and preserved for education and research purposes. The collections are not recognized as assets in the financial statements of the University.

(l) Derivatives

The University uses derivatives for both debt and investment-related purposes. Interest-rate swaps, as described in note 6 (c), are initially used to manage interest-rate risk by fixing the rate on associated variable-rate debt issuances. In addition, certain of the University's investment strategies utilize various derivative financial instruments for a number of investment purposes, including hedging or altering exposure to certain asset classes and cost-effectively adding exposures to portions of the portfolio. Positions are expected to create gains or losses which, when combined with the applicable portion of the total investment portfolio, provide an expected result. Among the derivative instruments that may be entered from time to time include total return swaps to manage exposures in equity markets, foreign currency forward contracts to manage currency exposures in the portfolio. The University has established policies and procedures to monitor and manage risks related to these instruments. In connection with its investment derivative activities, the University generally maintains master netting agreements and collateral agreements with its counterparties. The agreements provide the University the right, in the event of default by the counterparty, to net a counterparty's rights and obligations under the agreement and to liquidate and offset collateral against any net amount owed by the counterparty.

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Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

(m) Liabilities Associated with Investments

The University may, from time to time, incur liabilities associated with its investments portfolio as a result of securities sold short or other transactions. In order to terminate a short position, the University must acquire and deliver to the lender a security identical to the one it borrowed and sold short, and a realized gain or loss is recognized for the difference between the short sale proceeds and the cost of the identical security acquired. Liabilities reported on the balance sheets at June 30, 2018 and 2017 include \$54,068 and \$148,753, respectively, representing the fair value of identical securities that must be acquired to settle obligations to the lender. The liabilities would be classified as Level 1 in the fair value hierarchy given that they are measured based on quoted market prices. In addition, liabilities associated with investments include the fair value of total return swaps \$6,060 and \$9,201 entered into in fiscal 2018 and 2017, respectively.

(n) Other Long-Term Obligations

Other long-term obligations include the funded status of the defined benefit pension plan of \$19,829 and \$26,362 at June 30, 2018 and 2017, respectively; interest-rate swap liabilities aggregating \$31,757 and \$40,882 at June 30, 2018 and 2017, respectively; and asset retirement obligations of \$15,263 and \$14,981 at June 30, 2018 and 2017, respectively.

(o) Use of Estimates

The preparation of financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the dates of the financial statements, and the reported amounts of revenues and expenses during the reporting periods. Actual results could differ from those estimates.

(p) Recent Accounting Pronouncement

In August 2016, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2016-14, *Presentation of Financial Statements of Not-for-Profit Entities*. The primary changes include revisions to simplify and enhance the presentation of net assets, a requirement to present functional and natural expenses in a single location, and expanded disclosures regarding liquidity and availability of resources. The ASU is effective for the University's fiscal year ending June 30, 2019. The University is evaluating the effects this will have on the presentation of its 2019 financial statements.

ASU 2014-09, *Revenue from Contracts with Customers*, was issued by the FASB in May 2014 and is intended to improve the financial reporting requirements for revenue from contracts with customers. The Standard establishes a five-step model and application guidance for determining the timing and amount of revenue recognition. The related application guidance in the Standard will replace most existing revenue recognition guidance in US GAAP. The ASU is effective for the University's fiscal year ending June 30, 2019. The University is currently evaluating the effects this will have on its 2019 financial statements.

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Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

ASU 2018-08, *Clarifying the Scope and the Accounting Guidance for Contributions Received and Contributions Made*, was issued by the FASB in June 2018. The new ASU should assist entities in (1) evaluating whether transactions should be accounted for as contributions (nonreciprocal transactions) within the scope of Topic 958, Not-for-Profit Entities, or as exchange (reciprocal) transactions subject to other guidance and (2) determining whether a contribution is conditional. The ASU is effective for the University's fiscal year ending June 30, 2019. The University is currently evaluating the effects this will have on its 2019 financial statements.

(g) Reclassifications

Certain 2017 financial information has been reclassified to conform to the 2018 presentation.

(2) Contributions Receivable

The University's contributions receivable are recognized net of discounts at rates commensurate with the risks involved and after allowance for uncollectibles are reported at net realizable value, which approximates fair value. Contributions receivable were as follows at June 30:

	<u>2018</u>	<u>2017</u>
Contributions expected to be received in:		
Less than one year	\$ 50,066	44,291
Between one and five years	111,168	96,540
More than five years	<u>131,082</u>	<u>45,147</u>
Gross contributions receivable	292,316	185,978
Unamortized discount (at rates ranging from 0.7% to 4.8%) and allowance for uncollectibles	<u>(74,682)</u>	<u>(27,754)</u>
Contributions receivable, net	<u>\$ 217,634</u>	<u>158,224</u>

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Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

(3) Investments

Investment Strategy

In addition to traditional stocks and fixed-income securities, the University may also hold shares or units in institutional funds as well as in alternative investment funds involving hedged, private equity and real asset strategies. Hedged strategies involve funds whose managers have the authority to invest in various asset classes at their discretion, including the ability to invest long and short. Funds with hedged strategies generally hold securities or other financial instruments for which a ready market exists and may include stocks, bonds, put or call options, swaps, currency hedges and other instruments, and are valued accordingly. Private equity funds employ buyout and venture capital strategies and may focus on investments in turn-around situations. Real asset funds generally hold interests in public real estate investment trusts (REITs), commercial properties or commodities, or oil and gas, generally through commingled funds. Private equity and real asset strategies therefore often require the estimation of fair values by fund managers in the absence of readily determinable market values.

Investments also include assets related to donor annuities, pooled income funds, and charitable remainder trusts. Certain of these funds are held in trust by the University for one or more beneficiaries who are generally paid lifetime income, after which the principal is made available to the University in accordance with donor restrictions, if any. The assets are reported at fair value and related liabilities, which are reported as split-interest obligations, represent the present value of estimated future payments to beneficiaries.

Basis of Reporting

Investments are reported at estimated fair value. If an investment is held directly by the University and an active market with quoted prices exists, the market price of an identical security is used to report fair value. Fair values for shares in registered mutual funds are based on published share prices. The University's interests in alternative investment funds are generally reported at the net asset value (NAV) reported by the fund managers and assessed as reasonable by the University, which is used as a practical expedient to estimate the fair value of the University's interest therein, unless it is probable that all or a portion of the investment will be sold for an amount different from NAV. At June 30, 2018 and 2017, the University had no plans or intentions to sell investments at amounts different from NAV.

Because of the inherent uncertainties of valuation, these estimated fair values may differ significantly from values that would have been used had a ready market existed, and the differences could be material. Such valuations are determined by fund managers and generally consider variables such as operating results, comparable earnings multiples, projected cash flows, recent sales prices, and other pertinent information, and may reflect discounts for the illiquid nature of certain investments held.

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Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

The following tables summarize the University's investments by strategy type as of June 30, 2018 and 2017:

	2018				
	Investments measured at NAV	Investments classified in the fair value hierarchy			Total
		Level 1	Level 2	Level 3	
Investments:					
Equities:					
U.S. equities	\$ 192,076	104,720	42,679	580	340,055
Non-U.S. equity funds	544,063	94,032	—	—	638,095
Fixed income:					
Domestic	58,903	8,553	85,870	32,548	185,874
Hedged strategies:					
General arbitrage funds	580,102	9,837	—	850	590,789
Distressed funds	2,159	—	—	—	2,159
Global/Non-U.S. funds	781,341	67,600	—	—	848,941
Private equity:					
Buy-out funds	580,966	—	—	8,216	589,182
Venture funds	342,917	—	—	12,958	355,875
Real assets:					
Real estate and timber	25,755	710	—	26,001	52,466
Commodities, oil and gas	70	25,546	—	36,490	62,106
Cash and cash equivalents	—	355,572	—	—	355,572
Total	<u>\$ 3,108,352</u>	<u>666,570</u>	<u>128,549</u>	<u>117,643</u>	<u>4,021,114</u>

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	2017				
	Investments measured at NAV	Investments classified in the fair value hierarchy			Total
		Level 1	Level 2	Level 3	
Investments:					
Equities:					
U.S. equities	\$ 166,476	99,520	5,601	841	272,438
Non-U.S. equity funds	494,035	96,416	—	—	590,451
Fixed income:					
Domestic	46,809	13,117	123,170	29,429	212,525
U.S. Treasury inflation-protected	7,348	—	—	—	7,348
Hedged strategies:					
General arbitrage funds	522,692	9,985	—	1,000	533,677
Distressed funds	2,623	—	—	—	2,623
Global/Non-U.S. funds	935,547	—	—	—	935,547
Private equity:					
Buy-out funds	418,108	—	—	8,492	426,600
Venture funds	289,382	—	—	4,892	294,274
Real assets:					
Real estate and timber	35,608	1,201	—	32,542	69,351
Commodities, oil and gas	68,391	28,465	—	44,515	141,371
Cash and cash equivalents	—	291,111	—	—	291,111
Total	<u>\$ 2,987,019</u>	<u>539,815</u>	<u>128,771</u>	<u>121,711</u>	<u>3,777,316</u>

Registered mutual funds and directly held equity securities are classified in Level 1 of the fair value hierarchy. Investments classified in Level 2 and 3 consist of directly held investments that have valuations based on inputs other than quoted prices.

Certain funds contain “rolling” lock-up provisions. Under such provisions, tranches of the investment are available for redemption once every two to five years, if the University makes a redemption request prior to the next available withdrawal date in accordance with the notification terms of the agreement. Private equity and real assets are held in funds that have initial terms of ten to twelve years with extensions of one to three years, and have an average remaining life of approximately four to seven years.

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The following tables present activities for the years ended June 30, 2018 and 2017 for the University's investments classified in Level 3:

Level 3 roll forward	2018					
	Equities	Fixed income	Private equity	Real assets	Hedged strategies	Total
Fair value as of June 30, 2017	\$ 841	29,429	13,385	77,056	1,000	121,711
Acquisitions	—	8,400	3,822	—	—	12,222
Dispositions	(276)	(13,872)	—	(14,505)	—	(28,653)
Net realized and unrealized gains	15	8,591	3,967	(60)	(150)	12,363
Fair value at June 30, 2018	\$ 580	32,548	21,174	62,491	850	117,643

Level 3 roll forward	2017					
	Equities	Fixed income	Private equity	Real assets	Hedged strategies	Total
Fair value as of June 30, 2016	\$ 678	43,201	12,987	63,294	—	120,160
Acquisitions	—	6,459	—	8,895	1,000	16,354
Dispositions	(100)	(34,486)	—	(6,564)	—	(41,150)
Net realized and unrealized gains	263	14,255	397	11,432	—	26,347
Fair value at June 30, 2017	\$ 841	29,429	13,384	77,057	1,000	121,711

There were no transfers between Levels 1 and 2 and no transfers between Levels 2 and 3 in 2018 and 2017, respectively.

The following summarizes investment return components for the years ended June 30, 2018 and 2017:

	2018	2017
Interest and dividends	\$ 27,198	24,577
Net realized and unrealized gains, net of investment management and advisory expenses	421,118	396,398
Investment return	\$ 448,316	420,975

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Total investment return is included in the statements of activities as follows for the years ended June 30:

	2018	2017
Operating:		
Endowment return appropriated	\$ 151,641	164,967
Included in other income	12,610	11,630
Nonoperating activities:		
Net investment return	435,706	409,345
Endowment return appropriated	(151,641)	(164,967)
Total return	\$ 448,316	420,975

Total investment management and advisory expenses, including internal costs, were \$13,276 and \$15,118 for the years ended June 30, 2018 and 2017, respectively, and have been netted against the total return.

(a) Liquidity

Investment liquidity as of June 30, 2018 and 2017 is aggregated below based on redemption or sale ability:

	2018						
	Daily	Monthly	Quarterly	Semi- annually to annually	Subject to rolling lock-ups	Illiquid	
Equities	\$ 313,978	—	474,124	139,211	—	50,837	978,150
Fixed income	91,397	—	—	—	12,971	81,506	185,874
Hedged strategies	18,521	253,649	467,647	137,219	541,585	23,268	1,441,889
Private equity	—	47,138	—	—	—	897,919	945,057
Real assets	26,256	—	—	—	—	88,316	114,572
Cash and cash equivalents	355,572	—	—	—	—	—	355,572
Total	\$ 805,724	300,787	941,771	276,430	554,556	1,141,846	4,021,114

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	2017						Total
	Daily	Monthly	Quarterly	Semi- annually to annually	Subject to rolling lock-ups	Illiquid	
Equities	\$ 201,538	—	251,307	122,382	241,164	46,498	862,889
Fixed income	136,286	—	—	—	7,348	76,239	219,873
Hedged strategies	30,913	319,889	262,932	186,493	634,739	36,881	1,471,847
Private equity	—	25,282	—	—	—	695,592	720,874
Real assets	29,666	—	—	—	—	181,056	210,722
Cash and cash equivalents	291,111	—	—	—	—	—	291,111
Total	<u>\$ 689,514</u>	<u>345,171</u>	<u>514,239</u>	<u>308,875</u>	<u>883,251</u>	<u>1,036,266</u>	<u>3,777,316</u>

Investments with daily liquidity generally do not require advance notice prior to withdrawal. Investments with monthly, quarterly, semi-annual, and annual redemption frequency typically require notice periods, ranging from 5 to 180 days, at June 30, 2018 and 2017.

(b) Commitments

Private equity and real asset investments are generally made through limited partnerships. Under the terms of these agreements, the University is obligated to remit additional funding periodically as capital or liquidity calls are exercised by the manager. These partnerships have a limited existence, generally ten years, and such agreements may provide for annual extensions for the purpose of disposing portfolio positions and returning capital to investors. However, depending on market conditions, the inability to execute the fund's strategy, and other factors, a manager may extend the terms of a fund beyond its originally anticipated existence or may wind the fund down prematurely. As a result, the timing and amount of future capital or liquidity calls expected to be exercised in any particular future year is uncertain. The aggregate amount of unfunded commitments associated with private equity and real assets as of June 30, 2018 was \$560,373 and \$66,043, respectively.

(c) Investment Derivatives

The University's investment-related derivative positions, categorized by primary underlying risk, are as follows as of June 30, 2018 and 2017:

	2018		
	<u>Long notional</u>	<u>Short notional</u>	<u>Unrealized gain (loss)</u>
Instrument type:			
Total return swaps	\$ 298,590	(45,195)	2,242
Futures and options	7,612	(39,772)	(3,547)
Total	<u>\$ 306,202</u>	<u>(84,967)</u>	<u>(1,305)</u>

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	2017		Unrealized gain (loss)
	Long notional	Short notional	
Instrument type:			
Total return swaps	\$ 144,306	(79,887)	(845)
Foreign currency forwards	8,848	—	(105)
Futures and options	6,876	(91,792)	580
Total	\$ <u>160,030</u>	<u>(171,679)</u>	<u>(370)</u>

Contracts in a net asset position are included in investments on the balance sheets, and contracts in a net liability position are included in liabilities associated with investments on the balance sheets. At June 30, 2018 and 2017, the University held certain total return swaps in a net liability position of \$6,038 and \$9,201, respectively, as well as certain total return swaps in a net asset position of \$6,798 and \$8,357, respectively. At June 30, 2017, the University held various foreign currency forward contracts in a net liability position of \$105. At June 30, 2018 and 2017, the University held various futures and options contracts in a net asset position of \$8,737 and \$7,035, respectively, as well as futures and options contracts in a net liability position of \$124 at June 30, 2017.

(4) Endowment

The University's endowment consists of approximately 3,100 individual funds established for a variety of purposes, including both donor-restricted endowment funds and funds designated by the Corporation to function as endowments. Net assets associated with the endowment are classified and reported based upon the existence or absence of donor-imposed restrictions.

Endowment net assets consist of the following at June 30, 2018:

	Unrestricted	Temporarily restricted	Permanently restricted	Total
Donor-restricted endowment funds	\$ (184)	1,521,921	1,496,235	3,017,972
Corporation-designated endowment funds	526,150	59,726	—	585,876
Total endowment net assets	\$ <u>525,966</u>	<u>1,581,647</u>	<u>1,496,235</u>	<u>3,603,848</u>

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Endowment net assets consist of the following at June 30, 2017:

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Donor-restricted endowment funds	\$ (1,362)	1,306,637	1,394,885	2,700,160
Corporation-designated endowment funds	483,590	61,781	—	545,371
Total endowment net assets	<u>\$ 482,228</u>	<u>1,368,418</u>	<u>1,394,885</u>	<u>3,245,531</u>

Changes in endowment net assets for the year ended June 30, 2018 are as follows:

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Endowment at June 30, 2017	\$ 482,228	1,368,418	1,394,885	3,245,531
Investment return, net	69,221	341,716	—	410,937
Endowment return appropriated	(25,283)	(126,358)	—	(151,641)
Contributions	200	266	98,037	98,503
Reclassifications and other changes	(400)	(2,395)	3,313	518
Endowment at June 30, 2018	<u>\$ 525,966</u>	<u>1,581,647</u>	<u>1,496,235</u>	<u>3,603,848</u>

Changes in endowment net assets for the year ended June 30, 2017 are as follows:

	<u>Unrestricted</u>	<u>Temporarily restricted</u>	<u>Permanently restricted</u>	<u>Total</u>
Endowment at June 30, 2016	\$ 436,177	1,211,827	1,315,362	2,963,366
Investment return, net	73,378	311,037	—	384,415
Endowment return appropriated	(28,180)	(136,787)	—	(164,967)
Contributions	360	230	74,495	75,085
Reclassifications and other changes	493	(17,889)	5,028	(12,368)
Endowment at June 30, 2017	<u>\$ 482,228</u>	<u>1,368,418</u>	<u>1,394,885</u>	<u>3,245,531</u>

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(a) Interpretation of Relevant Laws

The portion of donor-restricted endowment funds that is not classified as permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure by the University in a manner consistent with the standard of prudence prescribed by UPMIFA. In accordance with UPMIFA, the University considers the following factors in making a determination to appropriate or accumulate donor-restricted endowment funds:

- The duration and preservation of the fund
- The purposes of the University and the donor-restricted endowment fund
- General economic conditions
- The possible effect of inflation and deflation
- The expected total return from income and the appreciation of investments
- Other resources of the University
- The investment policies of the University

(b) Funds with Deficiencies

From time to time, the fair value of assets associated with an individual donor-restricted endowment fund may fall below the fund's historic dollar value. Deficiencies of this nature, which are reported in unrestricted net assets, aggregated \$184 and \$1,362 as of June 30, 2018 and 2017, respectively. These deficiencies resulted principally from investment losses and continued appropriation for certain programs that was deemed prudent by the Corporation. Subsequent gains that restore the fair value of the assets of these endowment funds to their historic dollar value will be classified as increases in unrestricted net assets.

(c) Return Objectives and Risk Parameters

The University has adopted investment and spending policies for endowment assets that attempt to provide a predictable stream of funding to programs supported by its endowment while seeking to maintain the purchasing power of the endowment assets, including both donor-restricted and designated funds. The long-term investment return objective is formulated to maintain purchasing power after accounting for both inflation and spending. The Corporation has set a long-term return goal at 5.5% above the higher education price index. Actual returns in any given year or period of years may vary from this amount.

(d) Strategies Employed for Achieving Objectives

To satisfy its long-term rate-of-return objectives, the University relies on a total return strategy in which investment returns are achieved through both capital appreciation (realized and unrealized) and current yield (interest and dividends). The University targets a diversified asset allocation to achieve its long-term return objectives within prudent risk constraints.

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(e) Spending Policy and How the Investment Objectives Relate to Spending Policy

The University invests its endowment funds and allocates the related return for expenditure in accordance with the total return concept. The endowment utilization is determined in accordance with the policy adopted by the Corporation. This policy fixes the spending range between 4.5% and 5.5% of the average fair value of applicable endowments over the prior twelve quarters, with the objective being to hold the spending rate to no more than a 5% average over time. Applicable endowments include Corporation-designated and donor-restricted endowment funds.

(5) Land, Buildings and Equipment

Land, buildings and equipment include the following at June 30:

	<u>2018</u>	<u>2017</u>
Land	\$ 85,882	84,651
Buildings	729,944	642,702
Improvements	1,085,518	1,046,911
Equipment	215,517	203,800
Intangible assets	2,633	2,633
Construction in progress	<u>68,390</u>	<u>106,105</u>
	2,187,884	2,086,802
Accumulated depreciation	<u>(1,063,156)</u>	<u>(987,059)</u>
Land, buildings and equipment, net	<u>\$ 1,124,728</u>	<u>1,099,743</u>

Outstanding commitments on uncompleted construction contracts total \$65,787 at June 30, 2018.

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(6) Bonds, Loans and Notes Payable

The University has entered into various agreements primarily for the purpose of financing the acquisition, renovation, and improvement of its facilities. The bonds, loans and notes payable outstanding for these purposes are as follows:

Name of issue	Interest rate(s)	Type of rate	Final maturity	Balance at June 30	
				2018	2017
Rhode Island Health and Education Building Corporation (RIHEBC)					
Facilities Revenue Bonds:					
Series 2003B	1.50%	Variable	2044	\$ 40,680	41,175
Series 2005A	1.50%	Variable	2035	85,500	85,500
Series 2007	4.25%–5.00%	Fixed	2038	—	86,360
Series 2009	5.00%	Fixed	2040	70,795	70,795
Series 2011	2.50%–5.00%	Fixed	2033	46,160	50,710
Series 2012	5.00%	Fixed	2023	118,240	118,240
Series 2013	4.00%–5.00%	Fixed	2044	129,925	132,670
Series 2015	2.00%	Variable	2046	42,755	43,900
Series 2017A	4.00%–5.00%	Fixed	2048	141,125	—
Brown University Taxable Bonds:					
Series 2009	4.57%	Fixed	2020	45,000	45,000
Commercial bank term loan	2.39%	Variable	2019	47,800	48,900
Promissory note	noninterest bearing	N/A	2030	3,200	3,300
Loans payable – community:					
Development entities	1.22%	Fixed	2042	—	13,748
Total bonds, loans and notes payable before premium				771,180	740,298
Unamortized premium				48,481	33,612
Total bonds, loans and notes payable				\$ 819,661	773,910

(a) Tax Exempt Bonds

The University's tax exempt debt, primarily Facilities Revenue Bonds, is issued through RIHEBC, a state agency serving as a conduit issuer of tax exempt debt. The University is required under certain of its financing agreements with RIHEBC to appropriate funds from operating and other net assets for payment of principal and interest and for maintenance of the related properties. The Revenue Bonds currently outstanding were issued primarily to finance new and ongoing capital projects, student housing, academic, research and administrative buildings, and infrastructure.

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In July 2017, the University issued through RIHEBC tax-exempt bonds with a total par value of \$141,125 at an interest rate range of 4.00% to 5.00%, maturing in 2048. The bonds were sold at a premium of \$19,532, resulting in effective yield of 3.25%. The proceeds were used to refinance \$86,360 of Series 2007 tax-exempt bonds, with remaining proceeds to be used for capital projects.

(b) Taxable Bonds and Other Debt

Series 2009 Taxable Bonds were issued to provide liquidity and to protect against a tightening in liquidity markets. In February 2017, the University redeemed \$55,000 of the Series 2009 Taxable Bond. The transaction resulted in a make whole redemption expense of \$3,934, which is included in other changes on the 2017 statement of activities.

The University has a \$50,000 Taxable Commercial Paper Program that allows for the issuance of Standard Commercial Paper Notes, Series A, and Extendible Commercial Paper Notes, Series B. These unsecured, taxable promissory notes can be issued in various amounts with maturities no greater than 270 days. At June 30, 2018 and 2017, there were no outstanding notes.

Principal payments of bonds, notes and loans payable as of June 30, 2018 for each of the succeeding five fiscal years ending June 30 and thereafter are as follows:

Fiscal year:		
2019	\$	57,235
2020		54,795
2021		7,775
2022		65,765
2023		70,100
Thereafter		<u>515,510</u>
Total	\$	<u><u>771,180</u></u>

At June 30, 2018 and 2017, the University had a \$125,000 and \$100,00 line of credit, respectively, which matured in July 2018 and July 2017, respectively. The line of credit was subsequently renewed in July 2018. As of June 30, 2018, the full amount of \$125,000 was available at a rate of one month LIBOR plus 40 basis points.

The University has two stand-by bond purchase agreements with financial institutions totaling approximately \$126,000 in the event that the Series 2003B and Series 2005A bonds cannot be remarketed. The \$85,500 agreement matures November 2020 and the \$40,680 agreement matures January 2020. There were no amounts outstanding at June 30, 2018 and 2017, under these agreements, nor has either agreement ever been called upon.

The University provided self-liquidity for its taxable commercial paper program at June 30, 2018 and 2017.

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During fiscal 2011, the University entered into an agreement with third-party investors to effectively avail itself of certain Federal New Market Tax Credit (NMTC) incentives. By enabling these third parties to capture the NMTC benefits associated with the acquisition and construction of the University's new medical school facility, the University was able to reduce its all-in cost of the facility. Under the arrangement, the University loaned \$58,501 to Providence Richmond Street Investment Fund, LLC (LLC) capitalized by the investors. The LLC in turn provided capital to various community development entities, which then collectively issued \$72,249 of loans to KARING, a special-purpose, wholly owned 501(c) (3) not-for-profit entity consolidated by the University. KARING owns the facility and leased it back to the University during the seven-year period required for the NMTC structure to be effective. As part of the unwind of the NMTC transaction, the University bought the sole member interest in the LLC on October 31, 2017. The sole member interest included a \$72,249 note receivable from KARING. The transaction resulted in a gain of \$13,748, which is reflected in other changes on the statement of activities.

(c) Interest Rate Swaps

At June 30, 2018 and 2017, the University had two interest-rate swap agreements in place to effectively convert a portion of its variable-rate debt to fixed rates until maturity of the associated bonds. The notional amounts for the JPMorgan swap and the \$85,500 Goldman Sachs swap match the par amounts of the bonds and amortize at the same rate as the associated debt.

As of June 30, the following interest-rate swap agreements were outstanding:

<u>Counterparty</u>	<u>Associated debt</u>	<u>Expiration date</u>	<u>June 30, 2018</u>		<u>Fair value of liability at June 30</u>	
			<u>remaining notional value</u>	<u>Swap fixed rate</u>	<u>2018</u>	<u>2017</u>
JP Morgan	Series 2003B	9/1/2043	\$ 40,680	3.732 %	\$ (11,043)	(13,949)
Goldman Sachs	Series 2005A	5/1/2035	85,500	3.979	(19,008)	(24,520)
Goldman Sachs	None	9/1/2032	14,237	3.891	(1,706)	(2,413)
					<u>\$ (31,757)</u>	<u>(40,882)</u>

The variable rate on the two Goldman Sachs swaps is based on the USD-BMA Municipal Swap Index. The variable rate on the JPMorgan swap is based on 67% of one-month LIBOR-BBA. The Goldman Sachs swaps require posting of collateral by either party at thresholds based on their respective credit ratings. Cash collateral must be posted by the University if the aggregate mark-to-market liability payable by the University exceeds \$25,000. The JPMorgan swap stipulates that if the University meets a minimum credit rating there are no collateral posting requirements. At June 30, 2018, the University had no collateral posting requirements under the agreements.

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Interest rate volatility, remaining outstanding notional value and time to maturity will affect each swap's fair value at subsequent reporting dates. To the extent the University holds a swap through its expiration date, the swap's fair value will reach zero. Because the swap fair values are based predominantly on observable inputs corroborated by market data, they are classified in Level 2 in the GAAP fair value hierarchy.

(7) Retirement Benefits

The University participates in two contributory retirement plans. The expense to the University, representing its contributions to the accounts of faculty and staff, was \$26,288 and \$26,519 for the years ended June 30, 2018 and 2017, respectively.

The Brown University Food Services and Plant Operations Employees' Pension Plan is a qualified, noncontributory defined benefit plan which provides pensions for certain full-time weekly paid employees. The policy of the University is to fund pension costs in accordance with the Employee Retirement Income Security Act of 1974, as amended.

Information regarding the defined benefit pension plan for the years ended June 30 is as follows:

	<u>2018</u>	<u>2017</u>
Change in projected benefit obligation:		
Projected benefit obligation at beginning of year	\$ 100,398	104,293
Service cost	4,185	4,477
Interest cost	3,741	3,488
Benefits paid	(2,478)	(2,310)
Actuarial gain	(6,088)	(9,550)
Projected benefit obligation at end of year	<u>\$ 99,758</u>	<u>100,398</u>

The projected benefit obligation was determined using the following assumptions as of June 30:

	<u>2018</u>	<u>2017</u>
Discount rate	4.09 %	3.79 %
Rate of compensation increase	3.00	3.00

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The following is a summary of activity under the plan for the years ended June 30:

	<u>2018</u>	<u>2017</u>
Change in plan assets:		
Fair value of plan assets at beginning of year	\$ 74,036	65,072
Actual return on plan assets	5,871	8,774
Contributions	2,500	2,500
Benefits paid	<u>(2,478)</u>	<u>(2,310)</u>
Fair value of plan assets at end of year	79,929	74,036
Projected benefit obligation at end of year	<u>(99,758)</u>	<u>(100,398)</u>
Funded status included in other long-term obligations	<u>\$ (19,829)</u>	<u>(26,362)</u>
	<u>2018</u>	<u>2017</u>
Net periodic pension cost:		
Service cost	\$ 4,185	4,477
Interest cost	3,741	3,487
Expected return on assets	(4,819)	(4,211)
Amortization of unrecognized loss and prior service cost	<u>958</u>	<u>1,994</u>
Net periodic pension cost	<u>\$ 4,065</u>	<u>5,747</u>

Net periodic pension cost was determined using the following assumptions for the years ended June 30:

	<u>2018</u>	<u>2017</u>
Discount rate	3.79 %	3.48 %
Rate of compensation increase	3.00	3.00
Expected long-term rate of return	6.50	6.50

The expected rate of return on plan assets was derived based upon assumptions of inflation, real returns, anticipated value added by the investment manager and expected asset class allocations.

Net periodic pension cost is reflected in operating activities on the statements of activities. As of June 30, 2018 and 2017, items not yet recognized as components of net periodic pension cost are unrecognized prior service cost of \$873 and \$1,014, respectively, and a net unrecognized actuarial loss of \$12,562 and \$20,519, respectively. These changes affecting the funded status of the plan are included in other changes, net in nonoperating activities in the statements of activities.

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The plan assets at June 30, 2018 and 2017 consist of variable annuity investments with various equity and fixed income focuses, which are classified as Level 1 in the GAAP fair value hierarchy.

The investment strategy for the Plan takes into account several factors consistent with the characteristics of an employee pension plan. As such, the strategy recognizes a long-term time horizon where a substantial allocation to equities is appropriate and will help to maximize returns; broad diversification in order to increase return and reduce risk; and investment in institutional retirement annuities that serves to reduce administrative costs.

The actual asset allocation for the pension plan as of June 30, 2018 and 2017, and the weighted average asset targeted allocation are as follows:

	Target	Actual	
		2018	2017
Equity funds	75 %	77 %	75 %
Fixed income funds	25	23	25
Total	100 %	100 %	100 %

The University's estimated contribution for 2019 is \$2,500.

Estimated future benefit payments as of June 30, 2018 are as follows:

Fiscal year:		
2019	\$	3,187
2020		3,365
2021		3,616
2022		3,890
2023		4,177
2024–2028		26,013

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(8) Restricted Net Assets

The University's restricted net assets as of June 30 are as follows:

	2018		2017	
	Temporarily restricted	Permanently restricted	Temporarily restricted	Permanently restricted
Endowment	\$ 1,581,647	1,496,235	1,368,418	1,394,885
Contributions receivable	136,759	80,875	84,137	74,087
Donor-restricted purposes	114,351	47,165	107,443	45,105
Donor-restricted for plant-purposes	88,288	—	135,362	—
Student loans	13,245	—	13,189	—
Total	\$ 1,934,290	1,624,275	1,708,549	1,514,077

(9) Functional Classification of Expenses

Functional categories are reported after allocating, on a square footage basis, expenses for operation and maintenance of plant, interest on indebtedness, and depreciation. Operating expenses incurred in the fiscal years ended June 30 were as follows:

	2018	2017
Instruction and departmental research	\$ 355,006	335,115
Sponsored programs	144,020	128,405
Academic and student support	232,829	215,949
Auxiliary services	114,914	100,361
Institutional support	100,454	102,070
	\$ 947,223	881,900

(10) Commitments and Contingencies

All funds expended in conjunction with government grants and contracts are subject to audit by governmental agencies. In the opinion of management, any potential liability resulting from these audits will not have a material effect on the University's financial position.

The University is a defendant in various legal actions arising in the normal course of its operations. Although the final outcome of such actions cannot currently be determined, the University believes that the ultimate unrecognized liability, if any, will not have a material effect on the University's financial position.

BROWN UNIVERSITY

Notes to Financial Statements

June 30, 2018 and 2017

(Dollars in thousands)

(11) Related-Party Transactions

Members of the Corporation and senior management may, from time to time, be associated either directly or indirectly with companies doing business with the University. The University has a written conflict of interest policy that requires annual reporting by each Corporation member and University senior management. When such relationships exist, measures are taken to mitigate any actual or perceived conflict, including requiring that such transactions be conducted at arms' length, based on terms that are fair and reasonable to and in the best interest of the University.

Effective July 1, 2017, the University, along with The Neurology Foundation, Inc.; University Emergency Medicine Foundation; University Medicine Foundation; University Surgical Associates, Inc.; Brown Urology, Inc.; and Brown Dermatology, Inc. (collectively the Foundations), joined to create the nonprofit Brown Physicians, Inc. (BPI). BPI is an affiliated clinical practice that will enhance the partnership between the Foundations and the Warren Alpert Medical School. Under the formation and support agreement, the University is obligated to pay BPI \$25,000 over a 10-year period. In 2018, the University paid \$5,000 to BPI, with the remaining \$20,000 included in accounts payable and other liabilities at June 30, 2018. In addition, the University authorized a line of credit agreement with BPI, up to \$30,000. There was no amount outstanding under the line of credit at June 30, 2018.

(12) Supplemental Disclosure of Cash Flow Information

Following is information intended to supplement the statements of cash flows for the years ended June 30:

	<u>2018</u>	<u>2017</u>
Cash paid for interest, including recurring swap settlements, net of capitalized interest of \$1,682 and \$480	\$ 23,050	32,439
Noncash investing activities:		
Increase (decrease) in accounts payable for land, buildings and equipment	\$ 12,441	(1,595)
(Decrease) increase in payables for purchases of investments	(97,826)	83,204

(13) Subsequent Events

In July 2018, the University borrowed \$75,000 through a commercial bank term loan at a variable rate of one-month LIBOR plus 25 basis points, maturing in 2021. The proceeds were used to repay a maturing \$47,800 commercial bank loan, and the remaining proceeds were used to pay down \$27,200 of the Series 2009 Taxable Bond. University capital was used to retire the remaining 2009 Taxable Bond. The transaction resulted in a make whole redemption expense of \$1,005.

The University considers events or transactions that occur after the balance sheet date, but before the financial statements are issued, to provide additional evidence relative to certain estimates or to identify matters that require additional disclosure. These financial statements were issued October 29, 2018, and subsequent events have been evaluated through that date.