



THE ROCKEFELLER UNIVERSITY

Financial Statements

June 30, 2022

(With comparative financial information as of and
for the year ended June 30, 2021)

(With Independent Auditors' Report Thereon)



KPMG LLP
345 Park Avenue
New York, NY 10154-0102

Independent Auditors' Report

The Board of Trustees
The Rockefeller University:

Opinion

We have audited the financial statements of The Rockefeller University (the University), which comprise the balance sheet as of June 30, 2022, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the University as of June 30, 2022, and the changes in its net assets and its cash flows for the year then ended in accordance with U.S. generally accepted accounting principles.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the University and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with U.S. generally accepted accounting principles, and for 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.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for one year after the date that the financial statements are issued.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.



In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances⁶, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control related matters that we identified during the audit.

Report on Summarized Comparative Information

We have previously audited the University's 2021 financial statements, and we expressed an unmodified audit opinion on those audited financial statements in our report dated November 10, 2021. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2021, is consistent, in all material respects, with the audited financial statements from which it has been derived.

KPMG LLP

New York, New York
November 2, 2022

THE ROCKEFELLER UNIVERSITY

Balance Sheet

June 30, 2022

(With comparative financial information as of June 30, 2021)

Assets	2022	2021
Cash and cash equivalents	\$ 77,391,359	78,246,897
Accounts receivable	14,308,157	11,444,993
Contributions receivable (note 9)	211,703,183	211,529,197
Loans receivable – faculty and staff	42,035,086	43,300,972
Other assets	29,908,901	31,072,398
Investments (notes 3 and 14)	2,775,815,053	3,011,581,099
Plant assets, net (note 7)	1,108,823,323	1,139,613,256
Total assets	<u>\$ 4,259,985,062</u>	<u>4,526,788,812</u>
Liabilities and Net Assets		
Liabilities:		
Accounts payable and accrued expenses	\$ 50,679,374	53,952,567
Deferred revenues	31,007,625	17,269,475
Obligation under derivative instruments (notes 6 and 14)	94,848,083	163,663,638
Obligation under lines of credit (note 5)	61,000,000	—
Long-term debt (note 6)	988,353,294	993,796,478
Conditional asset retirement obligation	8,622,102	9,345,089
Postretirement benefit obligation (note 8)	70,078,000	88,495,000
Amounts held for others (notes 13 and 14)	160,306,061	173,072,819
Contingent liabilities (note 12)	72,065,107	21,151,932
Total liabilities	<u>1,536,959,646</u>	<u>1,520,746,998</u>
Commitments and contingencies (notes 3 and 12)		
Net assets (notes 4 and 10):		
Without donor restrictions	228,539,810	339,227,939
With donor restrictions	2,494,485,606	2,666,813,875
Total net assets	<u>2,723,025,416</u>	<u>3,006,041,814</u>
Total liabilities and net assets	<u>\$ 4,259,985,062</u>	<u>4,526,788,812</u>

See accompanying notes to financial statements.

THE ROCKEFELLER UNIVERSITY

Statement of Activities

Year ended June 30, 2022

(With summarized comparative financial information for the year ended June 30, 2021)

	2022			2021
	Without donor restrictions	With donor restrictions	Total	Total
Revenues:				
Government grants and contracts	\$ 94,794,561	—	94,794,561	96,974,698
Private gifts and grants	13,455,686	122,047,209	135,502,895	142,429,854
Investment (loss) income, net (note 3)	(9,711,036)	(69,077,889)	(78,788,925)	776,077,726
Net appreciation in fair value of derivative instruments (note 6)	68,815,555	—	68,815,555	53,385,530
Sales and services of auxiliary enterprises	29,223,957	—	29,223,957	29,975,570
Royalty and other income	26,992,822	—	26,992,822	21,226,978
Net assets released from restrictions (note 10)	225,297,589	(225,297,589)	—	—
Total revenues	448,869,134	(172,328,269)	276,540,865	1,120,070,356
Expenses and other changes:				
Expenses (note 11):				
Research	258,268,941	—	258,268,941	259,206,624
Graduate education	17,892,816	—	17,892,816	16,737,409
Research support	39,522,674	—	39,522,674	38,702,490
Institutional support	56,009,248	—	56,009,248	52,984,118
Auxiliary enterprises	35,046,950	—	35,046,950	35,296,041
Total expenses	406,740,629	—	406,740,629	402,926,682
Other changes:				
Postretirement related changes other than net periodic postretirement benefit cost (note 8)	(23,569,000)	—	(23,569,000)	(1,476,000)
Litigation payments (note 12)	176,385,634	—	176,385,634	171,918,091
Net expenses and other changes	559,557,263	—	559,557,263	573,368,773
Change in net assets	(110,688,129)	(172,328,269)	(283,016,398)	546,701,583
Net assets at beginning of year	339,227,939	2,666,813,875	3,006,041,814	2,459,340,231
Net assets at end of year	\$ 228,539,810	2,494,485,606	2,723,025,416	3,006,041,814

See accompanying notes to financial statements.

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Statement of Cash Flows

Year ended June 30, 2022

(With comparative financial information for the year ended June 30, 2021)

	<u>2022</u>	<u>2021</u>
Cash flows from operating activities:		
Change in net assets	\$ (283,016,398)	546,701,583
Adjustments to reconcile change in net assets to net cash used in operating activities:		
Net depreciation (appreciation) in fair value of investments	76,862,914	(778,301,153)
Net appreciation in fair value of derivative instruments	(68,815,555)	(53,385,530)
Depreciation and amortization	55,573,416	56,162,321
Write-off of unamortized bond issuance costs	872,002	—
Write-off of unamortized bond premium	(4,788,525)	—
Private gifts and grants restricted for long-term investment	(31,307,364)	(18,490,506)
Contributions for capital	(2,562,676)	(6,801,223)
Contingent liability	50,913,175	155,930
Changes in operating assets and liabilities:		
Accounts receivable	(2,863,164)	(51,091)
Contributions receivable, excluding amounts in financing activities	(3,140,272)	(8,416,859)
Other assets	1,163,497	(2,342,585)
Accounts payable and accrued expenses	(5,740,372)	28,860,238
Deferred revenues	13,738,150	2,356,639
Conditional asset retirement obligation	(722,987)	192,984
Postretirement benefit obligation	(18,417,000)	3,550,000
Amounts held for others	(7,906,688)	(6,267,266)
Net cash used in operating activities	<u>(230,157,847)</u>	<u>(236,076,518)</u>
Cash flows from investing activities:		
Proceeds from sale of investments	687,778,291	526,562,017
Purchase of investments	(502,873,152)	(387,199,879)
Additions to plant assets	(26,995,824)	(26,601,428)
Change in accounts payable for capital expenditures	2,467,179	(17,103,994)
Principal collections on loans receivable – faculty and staff	3,352,572	1,919,077
Issuance of loans – faculty and staff	(2,086,686)	(8,064,160)
Net cash provided by investing activities	<u>161,642,380</u>	<u>89,511,633</u>
Cash flows from financing activities:		
Proceeds from private gifts and grants restricted for long-term investment	26,536,326	16,318,325
Proceeds from private gifts restricted for capital	10,300,000	13,785,000
Proceeds from issuance of long-term debt	79,308,972	100,000,000
Proceeds from lines of credit	61,000,000	—
Retirement of indebtedness	(77,855,000)	—
Bond issuance costs	(768,292)	(72,088)
Net cash provided by financing activities	<u>98,522,006</u>	<u>130,031,237</u>
Net increase (decrease) in cash, cash equivalents, and restricted cash	30,006,539	(16,533,648)
Cash, cash equivalents, and restricted cash at beginning of year (note 1 (c))	<u>221,923,956</u>	<u>238,457,604</u>
Cash, cash equivalents, and restricted cash at end of year (note 1 (c))	<u>\$ 251,930,495</u>	<u>221,923,956</u>
Supplemental disclosures:		
Interest paid	\$ 37,028,466	35,199,963
Net (depreciation) appreciation in amounts held for others	(4,860,070)	47,062,579

See accompanying notes to financial statements.

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Notes to Financial Statements

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(With comparative financial information as of and
for the year ended June 30, 2021)

(1) Discussion of Operations and Summary of Significant Accounting Policies

The Rockefeller University (the University) is a world-renowned center for research and graduate education in the biomedical sciences, chemistry, bioinformatics, and physics. The University's 69 laboratories conduct both clinical and basic research and study a diverse range of biological and biomedical problems with the mission of improving the understanding of life for the benefit of humanity. Laboratories are loosely clustered in nine research areas covering a wide spectrum of disciplines in the life sciences, including neuroscience, immunology, genetics, structural biology, and bioinformatics. The University does not charge tuition. Its revenues are derived primarily from investment income, government grants and contracts, and private gifts and grants.

The significant accounting policies followed by the University are described below:

(a) *Basis of Presentation*

The University maintains its accounts in accordance with the principles of fund accounting. Under this method of accounting, resources for various purposes are classified into funds that are in accordance with activities or objectives specified by donors. Separate accounts are maintained for each fund.

For financial reporting purposes, however, the University prepares its financial statements on the accrual basis of accounting in accordance with standards established by the Financial Accounting Standards Board (FASB) or external reporting by not-for-profit organizations. Those standards require the classification of net assets and changes therein in two classes of net assets as follows:

- *Without Donor Restrictions* – Net assets are not subject to donor-imposed restrictions, but may be designated for specific purposes by the University or may be limited by contractual agreements with outside parties. In addition, changes in this category of net assets include returns on “funds functioning as endowment” and certain types of philanthropic support.

Such philanthropic support includes gifts without restrictions, including those designated by the Board of Trustees (the Board) to function as endowment and previously restricted gifts and grants for buildings that have been placed in service.

- *With Donor Restrictions* – Net assets subject to donor-imposed restrictions that will be met either by actions of the University or the passage of time. Items that affect this net asset category are gifts with donor restrictions, including gifts for buildings not yet placed in service and unexpended investment returns on donor-imposed endowment funds that have not been appropriated for expenditure. Expirations of restrictions on net assets with donor restrictions, including reclassification of restricted gifts for buildings when the associated long-lived assets is placed in service, are reported as net assets restricted from restrictions.

Also included in the category are net assets subject to donor-imposed restrictions to be maintained permanently by the University, including gifts and pledges wherein donors stipulate that the corpus of the gift be held in perpetuity.

Revenue is reported as increases in net assets without donor restrictions unless limited by donor-imposed restrictions. Expenses are reported as decreases in net assets without donor

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restrictions. As discussed further in note 4, the University follows the provisions of Accounting Standards Codification (ASC) Topic 958, Subtopic 205-45, *Classification of Donor-Restricted Endowment Funds Subject to the Uniform Prudent Management of Institutional Funds Act*, which impacts the reporting of investment return on endowment funds. Accordingly, dividends, interest, and net gains and losses on endowment funds are reported as increases or decreases in net assets with donor restrictions until appropriated for expenditure by the University.

(b) Fair Value Measurements

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. It prioritizes the inputs to the valuation techniques used to measure fair value by giving the highest priority to unadjusted quoted or published prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to measurements involving significant unobservable inputs (Level 3 measurements).

The three levels of the fair value hierarchy are as follows:

Level 1 inputs are quoted prices or published net asset values similar to those of a mutual fund (unadjusted) in active markets for identical assets or liabilities that the University has the ability to access at the measurement date.

Level 2 inputs are inputs other than quoted or published prices included in Level 1 that are either directly or indirectly observable for the assets or liabilities.

Level 3 inputs are unobservable inputs for the assets or liabilities.

The level in the fair value hierarchy within which a fair value measurement in its entirety falls is based on the lowest level input that is significant to the fair value measurement in its entirety.

(c) Cash Equivalents

All highly liquid debt instruments with an original maturity of three months or less are considered to be cash equivalents, except for such assets that are part of the University's investment portfolio managed by external investment managers for long-term purposes.

The following table provides a reconciliation of cash, cash equivalents, and restricted cash reported within the balance sheet that sum to the total of the same such amounts shown in the statement of cash flows.

	<u>2022</u>	<u>2021</u>
Cash and cash equivalents	\$ 77,391,359	78,246,897
Cash in investments	<u>174,539,136</u>	<u>143,677,059</u>
Total cash, cash equivalents, and restricted cash shown in the statement of cash flows	<u>\$ 251,930,495</u>	<u>221,923,956</u>

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Cash included in investments is held with investment managers for liquidity and long-term investment purposes.

(d) Contributions

Contributions, including unconditional promises to give, are reported as revenues in the period received. Contributions to be received after one year are discounted to reflect the present value of future cash flows at a risk-adjusted rate. Amortization of the discount is recorded as additional contribution revenue in accordance with the donor-imposed restrictions, if any, on the contributions.

Contributions of property, plant, and equipment without donor stipulation concerning the use of such long-lived assets are reported as revenues of the net assets without donor restrictions class. Contributions of cash or other assets to be used to acquire property, plant, and equipment are reported as revenues of the net assets with donor restrictions class; the restrictions are considered to be released at the time such long-lived assets are placed into service. A contribution is conditional if the agreement includes both a barrier that must be overcome for the recipient to be entitled to the assets transferred and a right of return for the transferred assets or a right of release of the promisor's obligation to transfer assets. Conditional promises to give are recognized only when the barriers on which they depend are met and the promises become unconditional. Conditional contributions at June 30, 2022 and 2021 were approximately \$29,574,000 and \$41,400,000, respectively.

(e) Investments

Investments in equity securities with readily determinable fair values and all investments in debt securities are reported at fair value based upon quoted or published market values. Investments in partnerships, as a practical expedient, are reflected at net asset value (NAV) as reported by the general partners, and may differ from the values that would have been reported had a ready market for these securities existed. The University reviews and evaluates the values provided by the general partners and agrees with the valuation methods and assumptions used in determining the fair value of the limited partnerships.

(f) Plant Assets

Plant assets are stated at cost or at fair value at date of donation in the case of gifts. Depreciation of buildings and building improvements is recorded over estimated useful lives ranging from 15 to 50 years. Equipment is depreciated over estimated useful lives ranging from 5 to 10 years. Leasehold improvements are amortized over the life of the asset or term of the lease, whichever is shorter. Library books are depreciated over estimated useful lives of 15 years.

(g) Government Grants and Contracts

Revenue from government grants and contracts is generally recognized as earned, that is, as the related costs are incurred under the grant or contract agreements. Amounts expended in excess of reimbursements are reported as accounts receivable.

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(h) *Deferred Revenue*

Deferred revenue primarily consists of amounts received from donors that do not meet the definition of a contribution as defined by ASU No. 2018-08, Not-For-Profit-Entities (Topic 958): *Clarifying the Scope and the Accounting Guidance for Contributions Received and Contributions Made*. Such amounts are recognized as revenue to the extent of expenditure.

(i) *Revenue Recognition*

In accordance with Topic 606, the University accounts for a customer contract when both parties have approved the contract and are committed to perform their respective obligations, each party's rights can be identified, payment terms can be identified, the contract has commercial substance, and it is probable the University will collect substantially all of the consideration to which it is entitled.

<u>Products and services</u>	<u>Nature, timing of satisfaction of performance obligations, and significant payment terms</u>
Auxiliary enterprises	Consists of the following: <i>Press operations</i> – issues 4 different scientific journals. Subscription sales revenue is recognized on a straight-line basis over the subscription (contract) period (one year) up front. <i>Housing services</i> – provides a variety of housing accommodations in support of the scientific needs of the University. Tenant's leases are for a one-year term. Revenue is recognized on a point in time basis. <i>Food services</i> – provides food services to the University community through a cafeteria, café, and conference dining. Food service revenue is recognized at a point in time sale.
Royalty income	Royalty income is generated from licensing agreements the University enters with a third-party patentable inventions, tangible materials, and copyrighted materials are transferred to the for-profit sector for further development into useful commercial products and services. Licensing agreements can terminate for convenience. Agreements are milestone based and revenue is recognized upon receipt (point in time) once certain milestones are achieved.

(j) *Derivative Instruments*

The University accounts for derivative instruments at fair value. The fair value of the derivatives held is based upon values provided by third-party financial institutions and is assessed by management for reasonableness. The fair values of the University's interest rate swaps were calculated as of June 30, 2022 using industry-recognized methodologies. The valuations are based on the present value of the

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difference between the fixed rate paid by the University and the midmarket fixed rate the University would pay on a similar transaction if it were entered into on June 30, 2022.

(k) Conditional Asset Retirement Obligation

Upon acquisition, and when reasonably estimable, the University recognizes the fair value of the liability related to the legal obligation to perform asset retirement activity on tangible long-lived assets. Over time, the liability is accreted to its settlement value. Upon settlement of the liability, the University will recognize a gain or loss for any difference between the settlement amount and liability recorded.

(l) Income Taxes

The University is exempt from federal income taxes under the provisions of Section 501(c)(3) of the Internal Revenue Code. The University follows the guidance of ASC Subtopic 740-10, *Income Taxes – Overall*, which addresses accounting for uncertainties in income taxes recognized in an enterprise's financial statements. The University utilizes a threshold of more-likely than-not for recognition and derecognition of tax positions taken or expected to be taken in a tax return. The University evaluates on an annual basis, the effect of any uncertain tax position on its financial statements. As of June 30, 2022, the University has not identified or provided for any such positions.

(m) Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingencies at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Estimates made in the preparation of these financial statements include the valuation of investments, estimated net realizable value of receivables, the obligation under derivative instruments, and the postretirement benefit obligation. Actual results could differ from those estimates.

(n) Comparative Financial Information

The statement of activities is presented with prior year financial information in total, which does not include net asset class detail. Such information does not include sufficient detail to constitute a presentation in conformity with U.S. generally accepted accounting principles. Accordingly, such information should be read in conjunction with the University's 2021 financial statements, from which the summarized information was derived.

(o) Reclassifications

Certain amounts in the 2021 financial statements have been reclassified to conform to the 2022 presentation.

(p) New Authoritative Accounting Pronouncement

During 2022, the University adopted ASU 2018-14, *Compensation—Retirement Benefits—Defined Benefit Plans—General (Subtopic 715-20): Disclosure Framework—Changes to the Disclosure Requirements for Defined Benefit Plans*, which modifies the disclosure requirements for employers that

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sponsor defined benefit pension or other postretirement plans. The adoption did not have a significant impact on the financial statements.

(2) Liquidity and Availability of Financial Assets

As of June 30, 2022 and 2021, financial assets and liquidity resources available within one year of the balance sheet date for general expenditure, such as operating expenses, scheduled debt service payments, and capital construction costs not financed with debt, were as follows:

	<u>2022</u>	<u>2021</u>
Financial assets:		
Cash and cash equivalents	\$ 77,391,359	78,246,897
Accounts receivable	14,308,157	11,444,993
Contribution receivable due in one year, excluding endowment	61,243,480	71,149,500
Endowment spending in subsequent year	<u>126,587,041</u>	<u>117,796,296</u>
Total financial assets available within one year	279,530,037	278,637,686
Liquidity resources:		
Quasi-endowment funds without donor restrictions subject to board resolutions	415,974,863	443,670,329
Revolving credit agreement	39,000,000	150,000,000
Revolving credit agreement	25,000,000	100,000,000
Revolving credit agreement	100,000,000	—
Revolving credit agreement	<u>50,000,000</u>	<u>—</u>
Total financial assets available within one year and liquidity resources	\$ <u><u>909,504,900</u></u>	<u><u>972,308,015</u></u>

The University manages its financial assets to be available as its operating expenditures, liabilities, and other obligations come due. In addition, the University invests cash in excess of daily requirements in short-term investments or fixed-income securities. To manage additional liquidity, the University maintains lines of credit with several banks that are drawn upon as needed during the year to manage cash flows primarily for general corporate purposes. Amounts from the board-designated quasi-endowment funds could be made available if necessary through a board resolution.

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(3) Investments

The fair value of the University's investments consists of the following at June 30, 2022 and 2021:

	<u>2022</u>	<u>2021</u>
Cash and cash equivalents	\$ 271,354,545	208,075,120
U.S. government and agency obligations	92,374,561	71,861,101
U.S. long equities	6,747,967	21,267,310
Alternative investments – public:		
U.S. long equities	242,759,338	287,081,665
International/global equities	220,324,755	308,442,260
Long/short equities	299,714,470	346,027,509
Absolute return	322,690,140	398,507,329
Alternative investments – private:		
Buyout funds	363,130,981	497,566,526
Venture capital funds	647,829,616	597,136,607
Real estate funds	90,994,301	75,611,845
Natural resources and other	217,894,379	200,003,827
	<u>\$ 2,775,815,053</u>	<u>3,011,581,099</u>

Investments include limited partnerships totaling approximately \$2.405 billion and \$2.710 billion at June 30, 2022 and 2021, respectively, which are presented above by the underlying investment classification.

Alternative investments – Public investments include interests in limited partnerships that invest principally in public equities and corporate bonds and may employ both long and short strategies.

Alternative investments – Private investments include interests in limited partnerships that invest principally in buyout funds, venture capital, real estate funds, and natural resources. These interests generally have very limited liquidity.

A description of the various categories follows:

Long/short equities represent investments in funds that invest predominantly in liquid publicly traded marketable securities, primarily equities. These funds are able to hold both long and short positions and utilize leverage. These funds attempt to generate higher returns with lower volatility than their long-only counterparts and demonstrate moderate equity market correlation.

Absolute return represents investments in funds that pursue strategies that do not demonstrate a sustained correlation to public equity markets, such as distressed debt and credit strategies, market neutral strategies, macro strategies, event driven and merger arbitrage strategies, and deep value investing.

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Buyout funds represent investments in funds that take negotiated, frequently controlling ownership stakes in companies in the United States and internationally.

Venture capital funds represent investments in companies that are newly formed and which require substantial initial capital.

Real estate funds represent investments in a broad range of commercial and residential real estate properties.

Natural resources and other represent investments in partnerships that invest in a broad range of natural resources, including oil and gas, timber, metals and mining, and power. The other category generally represents private partnerships in credit, royalty, or other nonequity investments.

At June 30, 2022, the University had approximately \$455 million for which capital calls had not been exercised pertaining to Alternative investments – Private. Such commitments generally have fixed expiration dates or other termination clauses. The University maintains sufficient liquidity to cover such calls. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the balance sheet.

Investment (loss) income, net consists of the following as of June 30:

	2022			2021
	Without donor restrictions	With donor restrictions	Total	Total
Interest and dividends, net	\$ 512,821	(2,438,832)	(1,926,011)	(2,223,427)
Net (depreciation) appreciation in fair value of investments	(10,223,857)	(66,639,057)	(76,862,914)	778,301,153
Total	\$ (9,711,036)	(69,077,889)	(78,788,925)	776,077,726

(4) Endowment Funds

The primary role of the endowment is to advance the research mission of the University through support of the annual operating budget. The University's endowment consists of both donor-restricted endowment funds and funds designated by the University for long-term purposes and is subject to the provision of the *New York Prudent Management of Institutional Funds Act* (NYPMIFA). The University has interpreted NYPMIFA as allowing it to appropriate for expenditure or accumulate so much of a donor-restricted endowment fund as is prudent for the uses, benefits, purposes, and duration for which the endowment fund is established, subject to the intent of the donor as expressed in the gift instrument absent explicit donor stipulations to the contrary.

The endowment's assets are invested in marketable securities, including U.S. and global equities and fixed income securities, and partnerships, including long/short equities, absolute return, venture capital, buyout

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funds, real estate funds and natural resources. The assets are primarily invested by external investment managers through separate accounts or through commingled vehicles, including funds, trusts, and limited partnerships.

The Investment Committee of the University's Board of Trustees (the Committee) is responsible for overseeing the endowment. With the support of the Office of Investments, the Committee establishes the endowment's investment policy and asset allocation, retains and oversees external investment managers, and monitors the implementation and performance of the investment program. The Committee has established a long-term asset allocation policy, which is designed to earn superior investment returns while reducing the risk of permanent impairment of capital. The policy emphasizes (1) a substantial allocation to equity investments; (2) broad diversification of asset class, style, and manager; (3) low correlation to traditional equity market indices; (4) low volatility strategies; and (5) less efficient asset classes. The asset allocation policy is reviewed annually by the Committee. Actual asset allocation is reviewed quarterly by the Committee, which may tactically overweight or underweight a particular asset class.

(a) *Spending Policy*

The University operates under a modified inflation-based spending formula for operations. This formula consists of 70% of the allowable spending in the prior fiscal year, increased by the rate of inflation (Higher Education Price Index (HEPI)) and 30% of the current year spend rate applied to a 12-quarter average market value. The applied spending rate was 5.5% as of June 30, 2022 and 2021, respectively. The spending rate appropriation from the portion of the endowment without donor restrictions for the year ended June 30, 2022 was \$83,708,549.

(b) *Funds with Deficiencies*

From time to time, the fair value of endowment assets may fall below the fund's original value. Deficiencies of this nature are reported in net assets with donor restrictions. Underwater endowments were \$1,288,880 and \$0 as of June 30, 2022 and 2021, respectively. As of June 30, 2022 the historical gift value of the 11 underwater endowments was \$19,280,877 and the fair market value was \$17,991,997.

The University applies the aforementioned spending policy to its endowment accounts with deficiencies by utilizing the accumulated gains on the board-designated endowment without donor restrictions.

At June 30, 2022 and 2021, net assets associated with endowment funds, exclusive of pledges and nonpooled endowments principally in trusts, consisted of the following:

	2022		
	Without donor restrictions	With donor restrictions	Total
Donor restricted	\$ —	2,192,241,394	2,192,241,394
Designated for long-term purposes	415,974,863	—	415,974,863
Total	\$ 415,974,863	2,192,241,394	2,608,216,257

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	2021		
	Without donor restrictions	With donor restrictions	Total
Donor restricted	\$ —	2,373,026,548	2,373,026,548
Designated for long-term purposes	443,670,329	—	443,670,329
Total	<u>\$ 443,670,329</u>	<u>2,373,026,548</u>	<u>2,816,696,877</u>

Changes in net assets associated with endowment funds, exclusive of pledges and nonpooled endowments principally in trusts, for the years ended June 30, 2022 and 2021, were as follows:

	2022		
	Without donor restrictions	With donor restrictions	Total
Net assets at June 30, 2021	\$ 443,670,329	2,373,026,548	2,816,696,877
Contributions	—	26,536,326	26,536,326
Investment (loss), net	(3,540,348)	(69,077,889)	(72,618,237)
Transfers, net	3,250,000	(51,748,150)	(48,498,150)
Total before spending rate	<u>443,379,981</u>	<u>2,278,736,835</u>	<u>2,722,116,816</u>
Endowment spending rate:			
Without donor restrictions	(27,405,118)	(83,708,549)	(111,113,667)
With donor restrictions	<u>—</u>	<u>(2,786,892)</u>	<u>(2,786,892)</u>
Total endowment spending rate	<u>(27,405,118)</u>	<u>(86,495,441)</u>	<u>(113,900,559)</u>
Net assets at June 30, 2022	<u>\$ 415,974,863</u>	<u>2,192,241,394</u>	<u>2,608,216,257</u>

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Transfers out of with donor restrictions principally consists of unrestricted accumulated gains subject to NYPMIFA which were used to fund litigation payments.

	2021		
	Without donor restrictions	With donor restrictions	Total
Net assets at June 30, 2020	\$ 379,159,393	1,805,531,133	2,184,690,526
Contributions	—	16,318,325	16,318,325
Investment return, net	129,413,029	638,063,517	767,476,546
Transfers, net	(36,250,000)	(5,598,367)	(41,848,367)
Total before spending rate	472,322,422	2,454,314,608	2,926,637,030
Endowment spending rate:			
Without donor restrictions	(28,652,093)	(78,897,086)	(107,549,179)
With donor restrictions	—	(2,390,974)	(2,390,974)
Total endowment spending rate	(28,652,093)	(81,288,060)	(109,940,153)
Net assets at June 30, 2021	\$ 443,670,329	2,373,026,548	2,816,696,877

Transfers out of without donor restrictions principally consists of funding for litigation payments.

(5) Obligation under Lines of Credit

On October 1, 2013, the University entered into a revolving credit agreement with a financial institution. This agreement consists of a \$150 million committed facility, expiring on March 30, 2023, to be used for general institutional purposes. The facility borrowings may occur at the London Interbank Offered Rate (LIBOR) plus 0.50%, money market rate plus 0.50%, or a Corporate Base Rate. The commitment fee on the facility is 0.10% of the undrawn balance. There was \$61,000,000 outstanding as of June 30, 2022 and \$0 as of June 30, 2021. The University plans to renew this facility at \$100 million capacity.

On December 23, 2016, the University entered into a revolving credit agreement with a financial institution. This agreement consists of a \$100 million committed facility, expiring on November 7, 2022, to be used for general institutional purposes. The facility borrowings may occur at LIBOR plus 0.45% or a prime based rate. The commitment fee on the facility is 0.10% of the undrawn balance. There was \$0 outstanding as of June 30, 2022 and 2021, respectively. The University plans to renew this facility at \$25 million capacity.

On May 4, 2022, the University entered into a revolving credit agreement with a financial institution. The agreement consists of a \$100 million committed facility, expiring on May 3, 2027, to be used for general institutional purposes. The facility borrowings may occur at the Secured Overnight Financing Rate (SOFR) plus 0.43%. The commitment fee on the facility is 0.10% of the undrawn balance. There was \$0 outstanding as of June 30, 2022.

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On October 6, 2022, the University's Finance and Operations Committee passed a resolution for management to enter into a revolving credit agreement with a financial institution. The agreement will consist of a 3 year \$50 million committed facility to be used for general corporate purposes. The facility borrowings may occur at the Bloomberg Short-Term Bank Yield (BSBY) plus 1.35%. The commitment fee on the facility will be 0.20% of the undrawn balance.

Fees relating to the obligation under the lines of credit for the years ended June 30, 2022 and 2021 were approximately \$258,000 and \$255,000, respectively.

(6) Long-Term Debt

The University has financed certain plant asset acquisition and construction costs, and obtained general institutional liquidity, through revenue obligations of the Dormitory Authority of the State of New York (the Authority) and other sources.

The following obligations were outstanding at June 30, 2022 and 2021:

	2022	2021
The Rockefeller University Revenue Bonds, Series 2022A, 4% to 5%, due serially to 2042	\$ 70,400,000	—
Note payable, direct placement 1.25%, due serially 2026	100,000,000	100,000,000
The Rockefeller University Revenue Bonds, Series 2020A, 5.00%, due serially to 2053	40,985,000	40,985,000
The Rockefeller University Revenue Bonds, Series 2020B, 3.75%, due 2051	75,345,000	75,345,000
The Rockefeller University Revenue Bonds, Series 2019A, 5.00%, due 2035	46,770,000	46,770,000
The Rockefeller University Revenue Bonds, Series 2019B, 5.00%, due 2050	73,285,000	73,285,000
The Rockefeller University Revenue Bonds, Series 2019C, 4.00%, due 2049	89,365,000	89,365,000
The Rockefeller University Revenue Bonds, Series 2017A, variable rate, partially hedged by interest rate swap, due 2052 (effective rate 3.77% and 4.29% as of June 30, 2022 and 2021, respectively)	100,445,000	100,445,000
Note payable, direct placement 3.77%, due serially to 2045	25,000,000	25,000,000
The Rockefeller University Revenue Bonds, Series 2015A, variable rate, partially hedged by interest rate swap, due 2045 (effective rate 4.46% and 4.82% as of June 30, 2022 and 2021, respectively)	119,190,000	119,190,000
The Rockefeller University Revenue Bonds, Series 2015B, variable rate, partially hedged by interest rate swap, due 2045 (effective rate 1.5% and 0.90% as of June 30, 2022 and 2021, respectively)	44,000,000	44,000,000
The Rockefeller University Revenue Bonds, Series 2012B, 4.00% to 5.00%, due serially to 2038	—	51,390,000
The Rockefeller University Revenue Bonds, Series 2012A, 4.00% to 5.00%, due serially to 2037	—	26,465,000
The Rockefeller University Revenue Bonds, Series 2008A, variable rate, partially hedged by interest rate swap, due 2039 (effective rate 3.92% and 3.80% as of June 30, 2022 and 2021, respectively)	103,215,000	103,215,000

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	<u>2022</u>	<u>2021</u>
The Rockefeller University Revenue Bonds, Series 2002A2, variable rate, partially hedged by interest rate swap, due 2032 (effective rate 4.39% and 4.76% as of June 30, 2022 and 2021, respectively)	\$ 50,000,000	50,000,000
	938,000,000	945,455,000
Unamortized bond premium	54,658,558	53,007,429
Unamortized bond issuance costs	<u>(4,305,264)</u>	<u>(4,665,951)</u>
	<u>\$ 988,353,294</u>	<u>993,796,478</u>

The Series 2012A, 2012B, 2019A, 2019B, 2019C, 2020A and the 2022A bonds were issued at a premium, which are being amortized over the lives of the bonds.

As of June 30, 2022, the University's projected debt service payments on its long-term debt are as follows:

	<u>Principal</u>	<u>Interest</u>	<u>Total debt service</u>
Year ending June 30:			
2023	\$ —	35,984,797	35,984,797
2024	—	36,022,987	36,022,987
2025	—	36,034,444	36,034,444
2026	100,000,000	35,597,665	135,597,665
2027	—	34,811,177	34,811,177
Thereafter	<u>838,000,000</u>	<u>602,580,806</u>	<u>1,440,580,806</u>
	<u>\$ 938,000,000</u>	<u>781,031,876</u>	<u>1,719,031,876</u>

Interest expense on long-term debt for the years ended June 30, 2022 and 2021 was approximately \$37,028,000 and \$36,364,000, respectively.

In April 2022, the University entered into a bond refinancing transaction. The Series 2022A bonds refunded the 2012A and the 2012B bonds and bears interest at a fixed rate. The refunding of the 2012A and 2012B bonds resulted in a gain of approximately \$3,231,000 which is included in royalty and other income in the accompanying statement of activities.

In February 2021, the University entered into a note purchase agreement with a major insurance company for \$100,000,000, with principal due February 18, 2026.

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In May 2020, the University entered into two bond transactions. The Series 2020A bonds refunded the Series 2010A bonds and bear interest at a fixed rate. The Series 2020B bonds bear interest at a fixed rate and were issued for general institutional liquidity.

In December 2019, the University entered into two bond transactions. The 2019A bonds refunded the 2009A bonds and bear interest at a fixed rate. The 2019B and 2019C bonds were issued jointly and bear interest at a fixed rate. The 2019B bonds issued for additional financing for a construction project. The 2019C bonds refunded the 2009C bonds.

On April 10, 2015, the University entered into a note purchase agreement with a major insurance company for \$25 million, with principal due April 10, 2045.

The Series 2015A bonds bear interest at a variable rate and were directly placed with a financial institution for an initial 10-year period through a bond purchase and placement agreement. The 2015B bonds bear interest at a variable rate and were directly placed with a financial institution through a bond purchase and placement agreement.

The Series 2002A2 bonds and the Series 2008A bonds bear interest at variable rates and are subject to optional and mandatory tender. The University has entered into agreements with remarketing agents pursuant to which the remarketing agents are obligated to use their best efforts to remarket any bonds so tendered. The University is obligated to purchase any bonds that are tendered but not remarketed. In connection with the Series 2002A2 and 2008A bonds, the University arranged for a standby purchase agreement to be provided by a bank, pursuant to which the bank will purchase any bonds that are tendered and not remarketed.

On August 3, 2017, the Series 2009B bonds were refunded through proceeds from the 2017A bonds. The 2017A bonds were issued in the amount of \$100,445,000. The 2017A bonds bear interest at a variable rate and were directly placed with a financial institution for an initial 10-year period through a bond purchase and placement agreement.

On June 1, 2022, the University changed from the London Inter Bank Rate to the Secured Overnight Financing Rate for interest on its variable rate bond issues, 2002A2, 2008A, 2015A, 2015B and 2017A.

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Interest Rate Swap Agreements

The University has entered into five interest rate swap agreements. The following schedule presents the notional principal amounts of the swaps and other related information as of June 30, 2022:

Effective date	Notional amount	Termination date
January 31, 2002	\$ 50,000,000	2032
May 2, 2005	50,000,000	2032
July 1, 2008	100,000,000	2039
July 1, 2009	100,000,000	2040
July 1, 2010	75,000,000	2040

The swaps are a partial hedge of the Series 2002A2, 2008A, 2015A, 2015B, and 2017A bond issues. Under the terms of the agreements, the University pays interest at predetermined fixed rates and receives variable rates. Included in obligation under derivative instruments in the balance sheet is the net cumulative loss on these derivative transactions in the amounts of \$94,848,083 and \$163,663,638 at June 30, 2022 and 2021, respectively. Additionally, the change in the cumulative loss is included in net appreciation in fair value of derivative instruments in the accompanying statement of activities and amounted to \$68,815,555 and \$53,385,530 for the years ended June 30, 2022 and 2021, respectively.

(7) Plant Assets

Plant assets at June 30, 2022 and 2021 comprise the following:

	2022	2021
Land and land improvements	\$ 32,683,820	32,553,820
Buildings and building improvements	1,720,882,412	1,706,481,073
Equipment	121,850,513	119,030,612
Leasehold improvements	460,112	460,112
Library books	755,237	755,237
Works of art	890,664	888,464
Total	1,877,522,758	1,860,169,318
Less accumulated depreciation and amortization	(782,343,126)	(725,749,248)
Construction in progress	13,643,691	5,193,186
	<u>\$ 1,108,823,323</u>	<u>1,139,613,256</u>

The University has commitments in the amount of \$23 million as of June 30, 2022 related to its capital projects program.

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(8) Retirement Benefits

The University has defined contribution retirement plans covering substantially all academic and nonacademic personnel. The plans are fully funded by the purchase of annuity contracts. Pension costs amounted to approximately \$11,623,000 and \$11,423,000 for the years ended June 30, 2022 and 2021, respectively.

In addition to providing pension benefits, the University provides certain healthcare and life insurance benefits for retired faculty and administrative employees who meet certain age and length-of-service requirements upon retirement. The University recognizes the funded status (i.e., the difference between the fair value of plan assets and projected benefit obligations) of its benefit plan as an asset or liability in its balance sheet and recognizes changes in that funded status in the year in which the changes occur through changes in net assets without donor restrictions.

The following table sets forth the postretirement benefit plan's funded status and amounts recognized in the University's financial statements as of and for the years ended June 30, 2022 and 2021:

	<u>2022</u>	<u>2021</u>
Change in benefit obligation:		
Benefit obligation at beginning of year	\$ 125,465,000	113,059,000
Service cost	5,152,000	5,026,000
Interest cost	3,791,000	3,727,000
Plan participants' contributions	772,000	642,000
Actuarial (gain) loss	(29,386,000)	7,136,000
Benefits paid	<u>(3,804,000)</u>	<u>(4,125,000)</u>
Benefit obligation at end of year	<u>101,990,000</u>	<u>125,465,000</u>
Change in plan assets:		
Fair value of plan assets at beginning of year	36,970,000	28,114,000
Actual return on plan assets	(5,058,000)	8,856,000
Employer contribution	3,032,000	3,483,000
Plan participants' contributions	772,000	642,000
Benefits paid	<u>(3,804,000)</u>	<u>(4,125,000)</u>
Fair value of plan assets at end of year (Level 1 inputs)	<u>31,912,000</u>	<u>36,970,000</u>
Accrued postretirement benefit obligation (APBO)	<u>\$ 70,078,000</u>	<u>88,495,000</u>

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The components of net periodic postretirement benefit cost for the years ended June 30 are as follows:

	<u>2022</u>	<u>2021</u>
Service cost	\$ 5,152,000	5,026,000
Interest cost	3,791,000	3,727,000
Expected return on plan assets	(2,547,000)	(1,971,000)
Amortization of net loss	<u>759,000</u>	<u>786,000</u>
Net periodic postretirement benefit cost	<u>\$ 7,155,000</u>	<u>7,568,000</u>

The amount of actuarial loss amortized into net periodic postretirement benefit cost in 2023 is estimated to be \$0.

As of June 30, 2022, the postretirement benefit obligation includes net actuarial gains of \$7,301,000. As of June 30, 2021, the postretirement benefit obligation includes net actuarial losses of \$15,239,000.

Weighted average assumptions used to calculate the benefits obligation and to determine net periodic pension cost as of and for the years ended June 30 are as follows:

	<u>2022</u>	<u>2021</u>
Discount rate for benefit obligation	4.700 %	2.880 %
Discount rate for net periodic postretirement cost	2.880	3.162
Expected return on plan assets	6.89	7.01

For measurement purposes, an annual increase in the per capita cost of covered healthcare and prescription drug benefits was assumed. As of June 30, 2022, the initial trend rates are assumed to be 5.15% for pre-65 medical claims, 4.21% for post-65 medical claims, 6.65% for both pre-65 and post-65 prescription drug claims and 5.7% for Medicare Advantage claims. These rates are assumed to reach an ultimate rate of 4.00% in 2045 and remain at that level thereafter. The trend rates grade to a projected long-term annual growth of inflation, real GDP growth, NHE excess trend and additional experience. Assumed healthcare cost trends have a significant effect on the amounts reported for the healthcare plans.

The asset allocation of the postretirement benefit plan as of June 30 was:

	<u>2022</u>	<u>2022 Target</u>	<u>2021</u>	<u>2021 Target</u>
Asset category:				
Equities	81 %	75 %	81 %	75 %
Fixed income	<u>19</u>	<u>25</u>	<u>19</u>	<u>25</u>
	<u>100 %</u>	<u>100 %</u>	<u>100 %</u>	<u>100 %</u>

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The fair value of plan assets as of June 30, 2022 and 2021 includes equity mutual funds of approximately \$25.8 million and \$30.1 million, respectively, and fixed income mutual funds of approximately \$6.1 million and \$6.9 million, respectively. These instruments are considered level 1 investments in the fair value hierarchy.

The Medicare Prescription Drug, Improvement, and Modernization Act of 2003 is reflected assuming that the University will continue to provide a prescription drug benefit to plan participants that is at least actuarially equivalent to Medicare Part D. The University received the federal subsidy until 2018. The amounts do not reflect the effects, if any, of the Patient Protection and Affordable Care Act and Health Care and Reconciliation Act that were enacted in March 2010.

The benefits expected to be paid in each fiscal year from 2023 to 2027 and the five subsequent years thereafter are as follows:

	Payments not reflecting medicare subsidy	Medicare subsidy	Benefits reflecting medicare subsidy
2023	\$ 3,894,000	185,000	3,709,000
2024	4,074,000	187,000	3,887,000
2025	4,288,000	188,000	4,100,000
2026	4,497,000	189,000	4,308,000
2027	4,683,000	192,000	4,491,000
2028–2032	26,846,000	981,000	25,865,000

The expected benefits to be paid are based on the same assumptions used to measure the University's benefit obligation at June 30, 2022.

Employer contributions of approximately \$3.7 million are expected to be made in 2023.

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(9) Contributions Receivable

Contributions receivable consist of the following at June 30, 2022 and 2021:

	<u>2022</u>	<u>2021</u>
Amounts expected to be collected in:		
Less than one year	\$ 73,175,792	81,094,511
One year to five years	105,986,309	98,008,861
Thereafter	<u>57,720,000</u>	<u>54,980,000</u>
	236,882,101	234,083,372
Less allowance	(2,500,000)	(2,500,000)
Less discount to present value at a 5% rate at June 30, 2022 and 2021	<u>(22,678,918)</u>	<u>(20,054,175)</u>
	<u>\$ 211,703,183</u>	<u>211,529,197</u>

Included in gross contributions receivable at June 30, 2022 and 2021 is approximately \$107 million and \$99 million, respectively, due from three donors.

(10) Net Assets

Net assets consist of the following as of June 30, 2022 and 2021:

	<u>2022</u>			<u>2021</u>		
	<u>Without donor restrictions</u>	<u>With donor restrictions</u>	<u>2022 Total</u>	<u>Without donor restrictions</u>	<u>With donor restrictions</u>	<u>2021 Total</u>
Operations	\$ (483,250,081)	—	(483,250,081)	(425,259,168)	—	(425,259,168)
Net investment in plant	295,815,028	—	295,815,028	320,816,778	—	320,816,778
Endowment funds without donor restrictions	415,974,863	—	415,974,863	443,670,329	—	443,670,329
Underwater endowment funds	—	(1,288,880)	(1,288,880)	—	—	—
Research	—	84,271,743	84,271,743	—	80,187,498	80,187,498
Research support	—	1,040,916	1,040,916	—	791,436	791,436
Graduation education	—	1,716,828	1,716,828	—	715,358	715,358
Renovation of facilities	—	3,215,051	3,215,051	—	267,346	267,346
Subsequent years:						
Pledges – Facilities	—	63,088,443	63,088,443	—	70,775,767	70,775,767
Pledges – Program	—	110,778,102	110,778,102	—	107,687,831	107,687,831
Pledges – Endowment	—	37,836,638	37,836,638	—	33,065,600	33,065,600
Accumulated gains	—	1,756,779,625	1,756,779,625	—	1,968,812,224	1,968,812,224
Annuity trust and split interest agreements	—	296,491	296,491	—	296,491	296,491
Permanent endowment corpus	—	436,750,649	436,750,649	—	404,214,324	404,214,324
	<u>\$ 228,539,810</u>	<u>2,494,485,606</u>	<u>2,723,025,416</u>	<u>339,227,939</u>	<u>2,666,813,875</u>	<u>3,006,041,814</u>

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The endowment funds without donor restrictions consisted of the following at June 30, 2022 and 2021:

	<u>2022</u>	<u>2021</u>
Working capital in the endowment	\$ 46,518,674	49,991,415
Other funds designated for long-term investment	<u>369,456,189</u>	<u>393,678,914</u>
	<u>\$ 415,974,863</u>	<u>443,670,329</u>

Net assets released from restrictions as of June 30, 2022 consisted of the following:

Spending on restricted funds:	
Research	\$ 76,876,370
Facilities	16,515,726
Education	1,410,052
Endowment spending rate:	
Board appropriated spending	83,708,549
Restricted spending:	
Research	2,785,399
Education	1,493
Accumulated unrestricted endowment gains	
for general corporate purposes	50,000,000
Endowment matching gifts	<u>(6,000,000)</u>
Total	<u>\$ 225,297,589</u>

(11) Expenses by Natural Classification by Function

Expenses are reported in the statement of activities in categories recommended by the National Association of College and University Business Officers. The University's primary program services are research and graduate education. Expenses reported as research support and auxiliary enterprises are incurred in support of these primary program services. Accordingly, total program services expenses approximated \$350,731,000 and \$349,943,000 in 2022 and 2021, respectively. Institutional support includes approximately \$9,083,000 and \$9,246,000 of fund-raising expenses in 2022 and 2021, respectively. Operations and maintenance of plant and depreciation are allocated to program and supporting activities based upon square footage. Interest is allocated to program and supporting activities based upon the usage of bond proceeds.

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Expenses are reported in the statement of activities in functional categories. Natural expenses were categorized as follows:

2022							
	Research	Education	Research support	Operations and maintenance of plant (O&M)	Institutional support	Auxiliary enterprises	Total
Salaries and benefits	\$ 95,381,658	2,317,203	29,990,653	18,326,709	36,166,244	8,153,465	190,335,932
Supplies and other	28,635,739	6,487,050	7,665,197	5,168,293	1,267,188	10,009,444	59,232,911
Fellowships and stipends	6,307,264	6,205,334	—	—	—	—	12,512,598
Subcontracts	14,847,408	—	—	—	—	—	14,847,408
Professional fees and service contracts	9,783,821	333,932	5,363,034	5,967,526	3,392,692	1,661,552	26,502,557
Depreciation and amortization	29,803,293	3,175,911	4,473,952	4,485,562	4,620,196	9,014,502	55,573,416
Interest and related costs	27,034,903	—	4,675,166	(274,735)	4,603,457	484,798	36,523,589
O&M – Utilities	29,441,265	114,022	7,123,338	(32,643,139)	2,769,593	4,407,139	11,212,218
Interdepartmental charges	17,033,590	(740,636)	(19,768,666)	(1,030,216)	3,189,878	1,316,050	—
Total functional expenses	258,268,941	17,892,816	39,522,674	—	56,009,248	35,046,950	406,740,629
Postretirement related changes other than service costs	(8,916,658)	(382,583)	(5,851,125)	—	(6,854,944)	(1,563,690)	(23,569,000)
Litigation payments	—	—	—	—	176,385,634	—	176,385,634
Total expenses and other changes	\$ 249,352,283	17,510,233	33,671,549	—	225,539,938	33,483,260	559,557,263

2021							
	Research	Education	Research support	Operations and maintenance of plant (O&M)	Institutional support	Auxiliary enterprises	Total
Salaries and benefits	\$ 97,731,801	2,177,826	29,743,969	18,079,816	35,240,106	8,185,626	191,159,144
Supplies and other	27,929,068	6,088,716	6,693,042	6,543,737	1,516,202	9,951,966	58,722,731
Fellowships and stipends	6,138,110	5,411,748	—	—	—	—	11,549,858
Subcontracts	12,727,388	—	—	—	—	—	12,727,388
Professional fees and service contracts	9,958,573	326,149	5,577,328	5,159,232	2,820,020	1,801,151	25,642,453
Depreciation and amortization	30,058,829	3,240,694	4,456,997	4,571,216	4,694,478	9,140,107	56,162,321
Interest and related costs	27,434,175	—	4,689,114	147,643	3,855,456	626,048	36,752,436
O&M – Utilities	28,973,959	112,146	7,006,116	(33,088,293)	2,724,016	4,482,407	10,210,351
Interdepartmental charges	18,254,721	(619,870)	(19,464,076)	(1,413,351)	2,133,840	1,108,736	—
Total functional expenses	259,206,624	16,737,409	38,702,490	—	52,984,118	35,296,041	402,926,682
Postretirement related changes other than service costs	(576,490)	(19,812)	(356,782)	—	(421,481)	(101,435)	(1,476,000)
Litigation payments	—	—	—	—	171,918,091	—	171,918,091
Total expenses and other changes	\$ 258,630,134	16,717,597	38,345,708	—	224,480,728	35,194,606	573,368,773

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(12) Contingent Liabilities

Amounts expended by the University under various government grants and contracts are subject to audit by governmental agencies. In the opinion of management, audit adjustments, if any, will not have a significant effect on the University's financial position.

During 2018, the University retained external legal counsel to investigate a report by a former patient of inappropriate conduct by a former physician at the Rockefeller University Hospital. The University made publicly available the external counsel's report on its investigation. The University also established the Rockefeller Hospital Therapy Fund to provide financial assistance for therapy costs.

The New York Child Victims Act (CVA), which was passed in February 2019, modifies the statute of limitations for civil claims relating to certain childhood abuse claims and created a window, beginning August 14, 2019, for persons to initiate civil lawsuits and closed August 14, 2021. For the year ended June 30, 2022, approximately \$176 million has been recorded in the financial statements for CVA settlements, legal fees, investigation costs, and other expenses through October 12, 2022. Such future costs and other expenses relating to this matter cannot be reasonably estimated at this time. The University expects that a number of these claims will be covered by existing insurance coverage and has filed a lawsuit against its insurers to recover proceeds in connection with these claims.

The University is a defendant in various other lawsuits. Management of the University does not expect the ultimate resolution of these actions to have a significant effect on the University's financial position.

(13) Affiliated Entities

The Rockefeller Archive Center

The Rockefeller Archive Center (RAC) was a division of the University. On June 20, 2006, RAC was formed as a separate legal entity with a board of trustees separate and distinct from the University's board of trustees. The University's President participates in RAC's board of trustees.

The University has entered into an agreement whereby it is providing investment services to RAC. Amounts held for others represent the fair value of RAC's units in the University's endowment pool. RAC, upon written notice to the University, may submit a request to redeem all or a portion of the units held by RAC. Each redemption request shall be no less than \$2 million. After receiving the redemption request, the University shall notify RAC of the portion, if any, of the redemption request that is accepted and the manner and timing of payment of the redemption amounts. Pursuant to the terms of the investment services agreement, RAC has no beneficial interest or rights with respect to the University's underlying investments.

Tri-Institutional Therapeutics Discovery Institute

Tri-Institutional Therapeutics Discovery Institute (TDI) is a nonprofit corporation formed in 2013 to further and improve health and the diagnosis, prevention, and treatment of disease through furthering and improving translational research. TDI is controlled and governed by the University and two other leading not-for-profit academic, medical, and research institutions. The University's president and two additional University faculty members participate on TDI's board of directors. The University provides accounting and tax services to TDI on a pro-bono basis.

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The collaboration agreement among TDI and the Tri-Institutional members states that each Tri-Institutional member will provide pro rata funding annually (calendar year basis) determined by TDI's Board of Directors in support of TDI's activity. In 2022 and 2021, the University provided funding of \$2,000,000 and \$1,000,000, respectively, to TDI.

(14) Fair Value

The University's assets and liabilities at June 30, 2022 that are reported at fair value are summarized within the fair value hierarchy as follows:

	<u>Fair value</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>
Assets:				
Investments reported at fair value:				
Cash equivalents	\$ 271,354,545	271,354,545	—	—
U.S. government and agency obligations	92,374,561	92,374,561	—	—
U.S. long equities	<u>6,747,967</u>	<u>6,747,967</u>	<u>—</u>	<u>—</u>
	<u>370,477,073</u>	<u>\$ 370,477,073</u>	<u>—</u>	<u>—</u>
Investments reported at net asset value:				
Public:				
U.S. long equities	242,759,338			
International/global equities	220,324,755			
Long/short equities	299,714,470			
Absolute return	<u>322,690,140</u>			
Total public at net asset value	<u>1,085,488,703</u>			
Private:				
Buyout funds	363,130,981			
Venture capital funds	647,829,616			
Real estate funds	90,994,301			
Natural resources and other	<u>217,894,379</u>			
Total private at net asset value	<u>1,319,849,277</u>			
Total investments	<u>\$ 2,775,815,053</u>			
Liabilities:				
Interest rate swap agreements	\$ 94,848,083	—	94,848,083	—
Amounts held for others	160,306,061	—	—	160,306,061

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Equities and alternative investments – public contain various monthly, quarterly, semiannual, and annual redemption restrictions with required written notice ranging up to 180 days. In addition, certain of these investments are restricted by initial lock-up periods. As of June 30, 2022, the following table summarizes at fair value the composition of various redemption provisions and lock-up periods in the investment portfolio:

Redemption period	Long equities	Public investments reported at net asset value		Total
		Long/short equities	Absolute return	
Monthly	\$ 39,069,210	53,238,618	10,954,739	103,262,567
Quarterly	231,422,271	66,962,391	62,510,511	360,895,173
Semiannual	—	—	138,203,145	138,203,145
Annual	36,959,228	—	27,392,861	64,352,089
In liquidation	5,457,950	1,862,878	37,215,953	44,536,781
Lock-up (a)	150,175,434	177,650,583	46,412,931	374,238,948
Total	\$ 463,084,093	299,714,470	322,690,140	1,085,488,703

(a) The amount subject to redemption lock-up is set to expire as follows:

	Amount
Fiscal year:	
2023	\$ 123,113,077
2024	191,903,102
Thereafter	59,222,769
	\$ 374,238,948

Private partnerships are invested through drawdown vehicles such that capital is drawn and repaid over time. On average, private partnerships have a cash flow weighted duration that ranges from 3 to 5 years.

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The University's assets and liabilities at June 30, 2021 that are reported at fair value are summarized within the fair value hierarchy as follows:

	<u>Fair value</u>	<u>Level 1</u>	<u>Level 2</u>	<u>Level 3</u>
Assets:				
Investments reported at fair value:				
Cash equivalents	\$ 208,075,120	208,075,120	—	—
U.S. government and agency obligations	71,861,101	71,861,101	—	—
U.S. long equities	<u>21,267,310</u>	<u>21,267,310</u>	<u>—</u>	<u>—</u>
	<u>301,203,531</u>	<u>\$ 301,203,531</u>	<u>—</u>	<u>—</u>
Investments reported at net asset value:				
Public:				
U.S. long equities	287,081,665			
International/global equities	308,442,260			
Long/short equities	346,027,509			
Absolute return	<u>398,507,329</u>			
Total public at net asset value	<u>1,340,058,763</u>			
Private:				
Buyout funds	497,566,526			
Venture capital funds	597,136,607			
Real estate funds	75,611,845			
Natural resources and other	<u>200,003,827</u>			
Total private at net asset value	<u>1,370,318,805</u>			
Total investments	<u>\$ 3,011,581,099</u>			
Liabilities:				
Interest rate swap agreements	\$ 163,663,638	—	163,663,638	—
Amounts held for others	173,072,819	—	—	173,072,819

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Equities and alternative investments – public contain various monthly, quarterly, semiannual, and annual redemption restrictions with required written notice ranging up to 180 days. In addition, certain of these investments are restricted by initial lock-up periods. As of June 30, 2021, the following table summarizes at fair value the composition of various redemption provisions and lock-up periods in the investment portfolio:

Redemption period	Long equities	Public investments reported at net asset value		Total
		Long/short equities	Absolute return	
Monthly	\$ 47,485,182	42,089,553	—	89,574,735
Quarterly	329,854,698	73,124,282	80,691,965	483,670,945
Semiannual	—	—	178,677,872	178,677,872
Annual	—	—	56,696,580	56,696,580
In liquidation	9,406,421	2,439,170	9,474,548	21,320,139
Lock-up (a)	208,777,624	228,374,504	72,966,364	510,118,492
Total	\$ 595,523,925	346,027,509	398,507,329	1,340,058,763

(a) The amount subject to redemption lock-up is set to expire as follows:

	Amount
Fiscal year:	
2022	\$ 232,724,303
2023	55,947,256
Thereafter	221,446,933
	\$ 510,118,492

Private partnerships are invested through drawdown vehicles such that capital is drawn and repaid over time. On average, private partnerships have a cash flow weighted duration that ranges from 3 to 5 years.

The following table presents the University's activity for the fiscal years ended June 30, 2022 and 2021 for assets measured at fair value on a recurring basis using significant unobservable inputs (Level 3):

	Fair value at June 30, 2021	Acquisitions net of investment income	Dispositions	Realized gains	Unrealized losses	Fair value at June 30, 2022
Amounts held for others	\$ 173,072,819	(79,158)	(7,827,530)	14,151,437	(19,011,507)	160,306,061

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	<u>Fair value at June 30, 2020</u>	<u>Acquisitions</u>	<u>Dispositions</u>	<u>Realized gains</u>	<u>Unrealized gains</u>	<u>Fair value at June 30, 2021</u>
Amounts held for others	\$ 132,277,506	1,038,569	(7,305,835)	14,371,896	32,690,683	173,072,819

(15) Subsequent Events

The University evaluated events subsequent to June 30, 2022 through November 2, 2022, the date on which the financial statements were issued and concluded that no additional disclosures are required, except as referred to above in note 12 and the below item.

The spread of coronavirus (COVID-19) around the world continues to have significant volatility in U.S. and international markets. There is significant uncertainty around the breadth and duration of business disruptions related to COVID-19, as well as its impact on the U.S. and international economies and, as such, the University is unable to determine if it will have a material impact to its operations.