

Cornell University

**Report on Federal Awards in
Accordance with the Uniform Guidance
June 30, 2018
EIN: 15-0532082**

Cornell University

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Report of Independent Auditors

To the Board of Trustees
Cornell University

Report on the Consolidated Financial Statements

We have audited the accompanying consolidated financial statements of Cornell University (the "University"), which comprise the consolidated statements of financial position as of June 30, 2018 and 2017, and the related consolidated statement of activities for the year ended June 30, 2018 and statements of cash flows for the years ended June 30, 2018 and 2017, and the related notes to the financial statements.

Management's Responsibility for the Consolidated Financial Statements

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

Auditors' Responsibility

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

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

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Cornell University as of June 30, 2018 and 2017 and the changes in its net assets for the year ended June 30, 2018 and its cash flows for the years ended June 30,



2018 and 2017 in accordance with accounting principles generally accepted in the United States of America.

Other Matters

We previously audited the consolidated statement of financial position as of June 30, 2017, and the related consolidated statements of activities and cash flows for the year then ended (not presented herein), and in our report dated October 25, 2017, we expressed an unmodified opinion on those consolidated financial statements. In our opinion, the information set forth in the accompanying summarized financial information as of June 30, 2017 and for the year then ended is consistent, in all material respects, with the audited consolidated financial statements from which it has been derived.

Other Information

Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards for the year ended June 30, 2018 is presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) and is not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated, in all material respects, in relation to the consolidated financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated November 1, 2018 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended June 30, 2018. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

November 1, 2018

CONSOLIDATED STATEMENTS OF FINANCIAL POSITION
AS OF JUNE 30, 2018 AND JUNE 30, 2017 (in thousands)

	2018	2017
Assets		
1 Cash and cash equivalents	\$ 241,127	\$ 181,265
2 Accounts receivable, net (note 2-A)	444,990	392,435
3 Contributions receivable, net (note 2-B)	826,109	902,846
4 Prepaid expenses and other assets	137,030	136,032
5 Student loans receivable, net (note 2-C)	73,772	79,211
6 Investments (note 3)	7,503,029	7,170,535
7 Land, buildings, and equipment, net (note 4)	4,297,047	4,256,807
8 Funds held in trust by others (note 5)	113,795	110,917
9 Total assets	<u>\$ 13,636,899</u>	<u>\$ 13,230,048</u>
Liabilities		
10 Accounts payable and accrued expenses	\$ 592,141	\$ 637,597
11 Deferred revenue and other liabilities	201,310	190,025
12 Obligations under split interest agreements (note 5)	135,331	133,459
13 Deferred benefits (note 6)	621,348	656,473
14 Funds held for others (note 7)	108,195	137,093
15 Obligations under capital leases (note 9)	122,552	67,842
16 Bonds and notes payable (note 8)	1,305,651	1,332,261
17 Government advances for student loans	46,048	50,679
18 Total liabilities	<u>3,132,576</u>	<u>3,205,429</u>
Net assets (note 11)		
19 Unrestricted	3,425,131	3,120,525
20 Temporarily restricted	3,381,016	3,329,946
21 Permanently restricted	3,698,176	3,574,148
22 Total net assets	<u>10,504,323</u>	<u>10,024,619</u>
23 Total liabilities and net assets	<u>\$ 13,636,899</u>	<u>\$ 13,230,048</u>

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

CONSOLIDATED STATEMENT OF ACTIVITIES FOR THE YEAR-ENDED JUNE 30, 2018 (in thousands)

(WITH SUMMARIZED INFORMATION FOR THE YEAR-ENDED JUNE 30, 2017)

	Unrestricted	Temporarily Restricted
Operating revenues		
1 Tuition and fees	\$ 1,111,779	\$ -
2 Scholarship allowance	<u>(385,158)</u>	<u>-</u>
3 Net tuition and fees	726,621	-
4 State and federal appropriations	150,632	-
5 Grants, contracts and similar agreements		
6 Direct	495,946	-
7 Indirect cost recoveries	159,792	-
8 Contributions	84,622	158,343
9 Investment return, distributed	206,188	140,586
10 Medical Physician Organization	1,103,335	-
11 Auxiliary enterprises	167,391	-
12 Educational activities and other sales and services	798,853	-
13 Net assets released from restrictions	<u>311,962</u>	<u>(311,962)</u>
14 Total operating revenues	4,205,342	(13,033)
Operating expenses (note 10)		
15 Compensation and benefits	2,736,170	-
16 Purchased services	356,591	-
17 Supplies and general	691,079	-
18 Maintenance and facilities costs	128,935	-
19 Interest expense (note 8)	51,541	-
20 Depreciation	<u>307,109</u>	<u>-</u>
21 Total operating expenses	4,271,425	-
22 Change in net assets from operating activities	<u>(66,083)</u>	<u>(13,033)</u>
Nonoperating revenues and (expenses)		
23 State appropriations for capital acquisitions	33,930	-
24 Grants, contracts and similar agreements for capital acquisitions	7,441	-
25 Contributions for capital acquisitions, trusts and endowments	3,095	60,895
26 Investment return, net of amount distributed	71,264	223,647
27 Change in value of split interest agreements	2,589	(3,826)
28 Pension and postretirement changes	45,581	-
29 Swap interest and change in value of interest rate swaps	23,601	-
30 Other	(22,563)	-
31 Net assets released for capital acquisitions and reclassifications	<u>205,751</u>	<u>(216,613)</u>
32 Change in net assets from nonoperating activities	370,689	64,103
33 Change in net assets	304,606	51,070
34 Net assets, beginning of the year	<u>3,120,525</u>	<u>3,329,946</u>
35 Net assets, end of the year	<u>\$ 3,425,131</u>	<u>\$ 3,381,016</u>

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

Permanently Restricted	2018 Total	2017 Total	
\$ -	\$ 1,111,779	\$ 1,044,627	1
-	(385,158)	(367,731)	2
-	726,621	676,896	3
-	150,632	150,912	4
			5
-	495,946	451,023	6
-	159,792	146,037	7
-	242,965	297,628	8
-	346,774	355,904	9
-	1,103,335	1,050,433	10
-	167,391	162,433	11
-	798,853	722,590	12
-	-	-	13
-	4,192,309	4,013,856	14
-	2,736,170	2,585,582	15
-	356,591	315,228	16
-	691,079	655,409	17
-	128,935	132,302	18
-	51,541	52,635	19
-	307,109	280,176	20
-	4,271,425	4,021,332	21
-	(79,116)	(7,476)	22
-	33,930	45,096	23
-	7,441	31,168	24
115,690	179,680	390,535	25
(4,296)	290,615	411,133	26
1,796	559	10,571	27
-	45,581	58,094	28
-	23,601	55,560	29
(24)	(22,587)	(9,056)	30
10,862	-	-	31
124,028	558,820	993,101	32
124,028	479,704	985,625	33
3,574,148	10,024,619	9,038,994	34
\$ 3,698,176	\$ 10,504,323	\$ 10,024,619	35

CONSOLIDATED STATEMENTS OF CASH FLOWS

FOR THE YEARS-ENDED JUNE 30, 2018 AND JUNE 30, 2017 (in thousands)

	2018	2017
Cash flows from operating activities		
1 Change in net assets	\$ 479,704	\$ 985,625
Adjustments to reconcile change in net assets to net cash provided/(used) by operating activities		
2 Proceeds from contributions for capital acquisitions, trusts and endowments	(204,423)	(464,383)
3 Depreciation and amortization	298,981	271,339
4 Net realized and unrealized (gain)/loss on investments	(544,723)	(674,063)
5 Pension and postretirement changes	(45,581)	(58,094)
6 Change in value of interest rate swaps	(44,840)	(81,451)
7 Bond call premium	-	18,973
8 Loss on disposals of land, building, and equipment	1,226	7,470
9 Other adjustments	(2,877)	(10,825)
Change in assets and liabilities		
10 Accounts receivable, net	(52,555)	11,626
11 Contributions receivable, net	76,737	83,476
12 Prepaid expenses and other assets	(3,533)	(4,703)
13 Accounts payable and accrued expenses	22,335	(1,700)
14 Deferred revenue and other liabilities	11,285	(5,423)
15 Obligations under split interest agreements	(1,006)	12,058
16 Deferred benefits	10,456	18,319
17 Net cash provided/(used) by operating activities	<u>1,186</u>	<u>108,244</u>
Cash flows from investing activities		
18 Proceeds from the sale and maturities of investments	10,842,078	17,338,881
19 Purchase of investments	(10,622,635)	(17,181,628)
20 Acquisition of land, buildings, and equipment (net)	(312,591)	(453,370)
21 Student loans granted	(9,744)	(12,655)
22 Student loans repaid	15,475	14,974
23 Change in funds held for others, net of unrealized (gain)/loss on investments	(36,114)	(33,636)
24 Net cash used by investing activities	<u>(123,531)</u>	<u>(327,434)</u>
Cash flows from financing activities		
Proceeds from contributions for capital acquisitions, trusts and endowments		
25 Investment in endowments	151,571	395,753
26 Investment in physical plant	50,488	65,202
27 Investment subject to living trust agreements	2,364	3,428
28 Principal payments of bonds, notes payable and capital leases	(33,265)	(279,731)
29 Proceeds from issuance of bonds and notes payable	15,680	52,731
30 Bond call premium, bond premium and issuance costs	-	(18,973)
31 Government advances for student loans	(4,631)	(51)
32 Net cash provided by financing activities	<u>182,207</u>	<u>218,359</u>
33 Net change in cash and cash equivalents	59,862	(831)
34 Cash and cash equivalents, beginning of year	181,265	182,096
35 Cash and cash equivalents, end of year	<u>\$ 241,127</u>	<u>\$ 181,265</u>
Supplemental disclosure of cash flow information		
36 Cash paid for interest	\$ 59,442	\$ 61,497
37 Increase/(decrease) in construction payables, non-cash activity	\$ (22,951)	\$ 7,334
38 Assets acquired under capital leases	\$ 56,350	\$ 64,267
39 Gifts-in-kind	\$ 2,586	\$ 10,250

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

1. SIGNIFICANT ACCOUNTING POLICIES

A. Description of the Organization

Founded in 1865, Cornell University (“the University”) is dedicated to a mission of learning, discovery, and engagement. Cornell is a private university, the federal land-grant institution of New York State, and a member of the Ivy League. Cornell administers four contract colleges, which are also units of the State University of New York. Described as the first truly American university because of its founders’ revolutionary egalitarian and practical vision of higher education, the University is dedicated to its land-grant mission of outreach and public engagement. Cornell’s community includes over 24,000 students, 4,000 faculty, and approximately 282,000 alumni who live and work across the globe.

The University comprises colleges and schools in Ithaca, New York (seven undergraduate units and four graduate and professional units), New York City (two medical graduate and professional units, together with its physician organization referred to collectively as “Weill Cornell Medicine” or “WCM”), and Doha, Qatar (the “Weill Cornell Medical College in Qatar”). Also in New York City, the Cornell Tech campus offers graduate programs in applied sciences, including two programs offered jointly with the Technion - Israel Institute of Technology under the auspices of the Joan and Irwin Jacobs Technion-Cornell Institute (“Jacobs Institute”).

The University is subject to the common administrative authority and control of the Cornell University Board of Trustees. The University is prohibited from using funds attributable to the contract colleges (i.e., those colleges operated by the University on behalf of New York State) for other units of the University. Except as specifically required by law, the contract and endowed colleges at Ithaca, Cornell Tech, and WCM are, to the extent practicable, governed by common management principles and policies determined at the private discretion of the University. In addition to the activities of the endowed and contract colleges, the University’s subsidiaries and certain affiliated organizations are included in the consolidated financial statements. All significant intercompany transactions and balances are eliminated in the accompanying consolidated financial statements.

B. Basis of Presentation

The accompanying consolidated financial statements are prepared in accordance with U.S. generally accepted accounting principles (“GAAP”). Net assets, revenues, gains, and losses are categorized based on the existence or absence of donor-imposed restrictions.

The University’s Board of Trustees, with consideration to the actions, reports, information, advice, and counsel provided by its duly constituted committees and appointed officers of the University, including University Counsel, has instructed the University to preserve the historical dollar value of donor-restricted (true) endowment funds, absent explicit donor direction to the contrary. As a result, the University classifies as permanently restricted net assets the original gift value of true endowments, plus any subsequent gifts and accumulations made in accordance with the directions of the applicable gift instruments. In accordance with accounting standards, the portion of the true endowment fund not classified as permanently restricted net assets is classified as temporarily restricted net assets except when the fair value of the endowment fund is less than its historical dollar value. For these “underwater” funds, the difference between historic dollar value and fair value is reflected in unrestricted net assets.

Temporarily restricted net assets also include gifts and appropriations from the endowment that can be expended, but for which the donors’ purpose restrictions have not yet been met, as well as net assets with explicit or implied time restrictions, such as pledges and split-interest agreements. Expiration of donor restrictions is reported in the consolidated statement of activities as a reclassification from temporarily restricted net assets to unrestricted net assets on the net assets released from restriction lines.

Unrestricted net assets are the remaining net assets of the University.

C. Cash and Cash Equivalents

Cash and cash equivalents include cash on hand and in bank accounts, money market funds, and other temporary investments held for working capital purposes with an original maturity term of ninety days or less. The carrying amount of cash equivalents approximates fair value because of their short terms of maturity. Cash that is part of the University's investment portfolio is reported as investments and included in Note 3.

D. Contributions

Contributions, including unconditional promises to give (pledges), are recognized as revenues in the appropriate categories of net assets in the periods received. A pledge is recorded at the present value of estimated future cash flows, based on an appropriate discount rate determined by management at the time of the contribution. Amortization of this discount in subsequent years is included in contribution revenue. A contribution of assets other than cash is recorded at its estimated fair value on the date of the contribution. Contributions for capital projects, endowments, and similar funds are reported as non-operating revenues. Conditional promises to donate to the University are not recognized until the conditions are substantially met.

Temporarily restricted net assets include contributions to the University and to the Cornell University Foundation ("Foundation"), an affiliated entity that is included in the consolidated financial statements. The Foundation maintains a donor-advised fund for which the donors can make recommendations to the fund's trustees regarding distributions to the University or other charitable organizations. Distributions from the Foundation to external charitable organizations are recorded as non-operating expenses.

E. Investments

The University's investments are recorded in the consolidated financial statements at fair value. The values of publicly traded securities are based on quoted market prices and exchange rates, if applicable. The fair value of non-marketable securities is based on valuations provided by external investment managers. These investments are generally less liquid than other investments, and the values reported by the general partner or investment manager may differ from the values that would have been reported, had a ready market for these securities existed. The University exercises due diligence in assessing the policies, procedures, and controls implemented by its external investment managers, and believes the carrying amount of these assets is a reasonable estimate of fair value.

Investment income is recorded on an accrual basis, and purchases and sales of investment securities are reflected on a trade-date basis. Realized gains and losses are calculated using average cost for securities sold.

Investment return included in operating revenues consists of amounts appropriated by the Board of Trustees from the pooled endowment, as well as income and realized gains and losses on investments from working capital and non-pooled endowments and similar funds. Unrealized gains and losses on investments, any difference between total return and amounts appropriated from the pooled endowment, and income and realized gains reinvested per donor restrictions are reported as non-operating activities.

F. Fair-Value Hierarchy

The University values certain financial and non-financial assets and liabilities, on a recurring basis, in accordance with a hierarchy that categorizes and prioritizes the sources used to measure and disclose fair value. Fair value is defined as the price associated with an orderly transaction between market participants at the measurement date. This fair-value hierarchy is broken down into three levels based on inputs that market participants would use in valuing the financial instruments, which is based on market data obtained from sources independent of the University. The hierarchy of inputs used to measure fair value, and the primary valuation methodologies used by the University for assets and liabilities measured at fair value, are disclosed below.

The fair value of Level 1 securities is based upon quoted prices in accessible active markets for identical assets. Market price data is generally obtained from exchange or dealer markets. The University does not adjust the quoted price for such assets.

The fair value of Level 2 securities is based upon quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques for which all significant assumptions are observable in the market or can be corroborated by observable market data. Inputs are obtained from various sources, including market participants, dealers, and brokers. In determining fair value of financial instruments, the University considers factors such as interest-rate yield curves, duration of the instrument, and counterparty credit

risk. The fair value of Level 2 securities is determined using multiple valuation techniques including the market approach, income approach, or cost approach.

The fair value of Level 3 securities is based upon valuation techniques that use significant unobservable inputs.

Inputs used in applying the various valuation techniques refer to the assumptions that are used to make valuation decisions. Inputs may include price information, credit data, liquidity statistics, and other factors. A financial instrument's level within the fair-value hierarchy is based on the lowest level of any input that is significant to the fair-value measurement. The University considers observable data to be market data that is readily available and reliable and provided by independent sources. The categorization of a financial instrument within the fair-value hierarchy is, therefore, based upon the pricing transparency of the instrument, and does not correspond to the University's perceived risk of that instrument.

G. Derivative Instruments

The University has approved the use of derivatives by outside investment managers, based on investment guidelines negotiated at the time of a manager's appointment. The derivatives are used to adjust fixed-income durations and rates, to create "synthetic exposures" to certain types of investments, and to hedge foreign currency fluctuations. The University records the fair value of a derivative instrument within the applicable portfolio. The change in the fair value of a derivative instrument held for investment is included in non-operating investment return in the consolidated statement of activities.

In addition, the University holds other derivatives to manage its current and/or future long-term debt. These instruments are recorded at fair value as either prepaid or accrued expenses in the consolidated statement of financial position, and the swap interest and change in fair value is recorded as non-operating activity in the consolidated statement of activities.

Derivatives involve counterparty credit exposure. To minimize this exposure, the University manages counterparty risk by limiting swap exposure for each counterparty and monitoring the financial health of swap counterparties, and has structured swap documents to limit maximum loss in the event of counterparty default.

H. Land, Buildings, and Equipment

Land, buildings, and equipment are stated in the consolidated statement of financial position at cost on the date of acquisition or at fair value on the date of donation, net of accumulated depreciation. Depreciation is computed using the straight-line method over the estimated useful life of the asset, and is reflected as an operating expense. Expenditures associated with the construction of new facilities are recorded as construction in progress until the projects are completed.

The University's collections of art, rare books, and other property have been acquired through purchases and contributions since the University's inception. They are recognized as capital assets and are reflected, net of accumulated depreciation, in the consolidated statement of financial position. A collection received as a gift is recorded at fair value as an increase in net assets in the year in which it is received.

I. Split-Interest Agreements

The University's split-interest agreements with donors consist primarily of charitable gift annuities, pooled income funds, and charitable trusts for which the University serves as trustee. Assets held in trust are either separately invested or included in the University's investment pools in accordance with the agreements. Contributions of split-interest agreements, net of related liabilities, increase temporarily restricted net assets or permanently restricted net assets. Liabilities associated with charitable gift annuities and charitable trusts represent the present value of the expected payments to the beneficiaries based on the terms of the agreements. Pooled income funds are recognized at the net present value of the net assets expected at a future date. Gains or losses resulting from changes in fair value, changes in assumptions, and amortization of discount are recorded as changes in value of split-interest agreements in the appropriate restriction categories in the non-operating section of the consolidated statement of activities.

J. Funds Held in Trust by Others

Funds held in trust by others represent resources that are not in the possession or under the control of the University. These funds are administered by outside trustees, with the University receiving income or residual interest. Funds held in trust by others are recognized at the estimated fair value of assets or the present value of future cash flows due to the University when the irrevocable trust is established or the University is notified of its existence. Gains or losses resulting from changes in fair value are recorded as non-operating activities in the consolidated statement of activities.

K. Endowments

The responsibility for accepting, preserving, and managing those funds entrusted to the University rests, by law, with the Board of Trustees; however, the Trustees have delegated authority for investment decisions to the Investment Committee of the Board of Trustees. The Investment Committee determines investment policy, objectives, and guidelines, including allocation of assets between classes of investments.

The University's investment objective for its endowment assets is to maximize total return within reasonable risk parameters, specifically to achieve a total return, net of expenses, of at least five percent in excess of inflation, as measured by the Consumer Price Index over rolling five-year periods. The achievement of favorable investment returns enables the University to distribute over time increasing amounts from the endowment so that present and future needs can be treated equitably in inflation-adjusted terms. Diversification is a key component of the University's standard for managing and investing endowment funds, and asset allocation targets are subject to ongoing reviews by the Investment Committee.

The University applies the "prudent person" standard when deciding whether to appropriate or accumulate endowment funds, and considers the following factors: the duration and preservation of the endowment fund, the purposes of the institution and the endowment fund, the general economic conditions including the potential effect of inflation or deflation, the expected total return of the fund, other resources of the University, the needs of the University and the fund to make distributions and preserve capital, and the University's investment policy.

The Board authorizes an annual distribution from endowment funds that is within a target range of 4.4 percent to 5.9 percent of a 12-quarter rolling average of the unit fair value. The Trustees may occasionally make step adjustments, either incremental or decremental, based on prior investment performance, current market conditions, and/or any of the factors for prudent judgment described above. Total distributions, or spending, is presented as investment return, distributed, on the consolidated statement of activities, and includes endowment payout and an administrative fee that supports the investment and stewardship costs of the University endowment.

The New York Prudent Management of Institutional Funds Act ("NYPMIFA") established a requirement related to appropriations from endowments for which the fair value falls below the historic dollar value ("underwater"). The University, in compliance with NYPMIFA, notified available donors who had established endowments prior to September 17, 2010 of the new law, and offered these donors the option of requiring the University to maintain historical dollar value for their endowment funds. A minority of donors requested this option; for those who did, the University has designed procedures to ensure that the University maintains historical dollar value by not expending the payout on any underwater fund.

L. Sponsored Agreements

Revenues under grants, contracts, and similar agreements are recognized at the time expenditures are incurred. These revenues include the recovery of facilities and administrative costs, which are recognized according to the rates defined in the respective sponsored agreement. Amounts received in advance and in excess of incurred expenditures are recorded as deferred revenues.

M. Medical Physician Organization

The Medical Physician Organization ("MPO") provides the management structure for the practice of medicine for all WCM physicians at the main academic medical center and various clinical practice sites throughout New York City. In addition to generating clinical practice income, MPO members may provide instruction and conduct research activities. MPO revenue represents patient care and management service agreement fees. Expenses of the clinical practice, including physician compensation, administrative operations, and provision for uncollectible accounts, are reflected as University expenses.

N. Use of Estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues, and expenses during the reporting period. Management's assumptions are related primarily to the appropriate discount rate for the purposes of fair-value calculations, to allowances for doubtful accounts and contractual allowances, and to self-insured risks. Actual results may differ from those estimates.

O. Comparative Financial Information

The consolidated statement of activities includes prior-year information in summary form rather than by restriction class. Such information does not include sufficient detail to constitute a presentation of prior-year data in conformity with U.S. GAAP. Accordingly, such information should be read in conjunction with the University's consolidated financial statements for the prior fiscal year from which the summarized information was derived.

P. Accounting Pronouncements

In May 2014, the FASB issued ASU 2014-09—Revenue from Contracts with Customers (Topic 606) at the conclusion of a joint effort with the International Accounting Standards Board to create common revenue recognition guidance for U.S. GAAP and international accounting standards. This framework ensures that entities appropriately reflect the consideration to which they expect to be entitled in exchange for goods and services, by allocating transaction price to identified performance obligations, and recognizing that revenue as performance obligations are satisfied. Qualitative and quantitative disclosures will be required to enable users of financial statements to understand the nature, amount, timing, and uncertainty of revenue and cash flows arising from contracts with customers. In August of 2015, FASB issued ASU 2015-14—Revenue from Contracts with Customers (Topic 606): Deferral of the Effective Date, which makes ASU 2014-09 effective for the fiscal year ending June 30, 2019. The University is planning for the implementation of this new standard and reviewing the potential impact on the financial statements, which is not expected to be material.

In February 2016, the FASB issued ASU 2016-02—Leases (Topic 842), which provides accounting guidance for leases from both the lessor's and lessee's perspective. The main difference between previous GAAP and Topic 842 is the recognition of lease assets and lease liabilities by lessees for those leases classified as operating leases; however, the University will evaluate other impacts of the new guidance. The new standard will be effective in the fiscal year ending June 30, 2020. The University has begun its planning for implementation of this new standard and is reviewing the potential impact on the financial statements.

In August 2016, the FASB issued ASU 2016-14—Not-for-Profit Entities (Topic 958): Presentation of Financial Statements for Not-for-Profit Entities to improve the information presented in financial statements and notes about a not-for-profit entity's liquidity, financial performance, and cash flows. The significant changes under the new guidance include the reduction of net asset classifications to two categories based on the existence or absence of donor restrictions, and additional disclosure requirements related to board designation of net assets, and related to the liquidity and availability of the entity's financial assets. ASU 2016-14 is effective for the fiscal year ending June 30, 2019. The University is planning for the implementation of this new standard.

In June 2018, the FASB issued ASU 2018-08—Not-for-Profit Entities (Topic 958): Clarifying the Scope and Accounting Guidance for Contributions Received and Contributions Made. The amendments are intended to assist in evaluating whether transactions should be accounted for as contributions or as exchange transactions subject to other guidance and in determining whether a contribution is conditional. The new standard will be effective for contributions received for the fiscal year ending June 30, 2019. The University has begun its planning for implementation of this new standard and is reviewing the potential impact on the financial statements.

Q. Revisions

The University has revised the consolidated statement of financial position, statement of activities and statement of cash flows for the year ended June 30, 2017 to correct the classification of \$46 million of investments internally designated to fund the WCM post-retirement medical benefits plan. The University has concluded these investments were not effectively restricted and therefore should not have been considered plan assets in accordance with Accounting Standards Codification (ASC) 715, Compensation – Retirement Benefits. The consolidated statement of financial position, statement of activities and statement of cash flows for the year ended June 30, 2017 have been corrected to reflect this and other immaterial revisions between cash flow categories. This misclassification had no impact on net assets on the consolidated statement of activities. The University has evaluated the impact of this misclassification and concluded that it is not material, individually or in the aggregate, to the previously reported June 30, 2017 consolidated financial statements.

The following exhibit shows the impact of this misclassification in the consolidated statement of financial position, statement of activities and statement of cash flows.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

REVISIONS

	As previously reported	Adjustment	As revised
Statement of Financial Position			
Investments	\$ 7,124,578	\$ 45,957	\$ 7,170,535
Total assets	13,184,091	45,957	13,230,048
Deferred benefits	610,516	45,957	656,473
Total liabilities	3,159,472	45,957	3,205,429
Total liabilities and net assets	13,184,091	45,957	13,230,048
Statement of Activities			
Investment return, net of amount distributed	405,014	6,119	411,133
Pension and postretirement changes	64,213	(6,119)	58,094
Statement of Cash Flows			
Net realized and unrealized (gain)/loss on investments	(672,248)	(6,119)	(678,367)
Pension and postretirement changes	(64,213)	6,119	(58,094)

To conform to the revised June 30, 2017 balances, revisions were additionally made to Investments and Deferred Benefits disclosures included within note 3 and note 6 of these consolidated financial statements.

R. Income Taxes

The University is a not-for-profit organization as described in Section 501(c)(3) of the Internal Revenue Code and is generally exempt from income taxes on related income pursuant to the appropriate sections of the Internal Revenue Code. In accordance with the accounting standards, the University evaluates its income tax position each fiscal year to determine whether the position is more likely than not to be sustained if examined by the applicable taxing authority. This review had no material impact on the University's consolidated financial statements.

2. RECEIVABLES

A. Accounts Receivable

The University's receivables from the sources identified in the table below are reviewed and monitored for aging and other factors that affect collectability.

Accounts receivable from the following sources were outstanding as of June 30:

SUMMARY OF ACCOUNTS RECEIVABLE

	2018	2017
Grants and contracts	\$ 94,718	\$ 95,361
NewYork-Presbyterian Hospital and other affiliates	51,508	40,484
Patients (net of contractual allowances)	128,750	118,608
Reinsurance receivable	122,351	103,726
Student accounts	14,896	13,659
Other	66,344	60,339
Gross accounts receivable	\$ 478,567	\$ 432,177
Less: allowance for doubtful accounts	(33,577)	(39,742)
Net accounts receivable	\$ 444,990	\$ 392,435

The patient accounts receivable for medical services was comprised of the following at June 30, 2018 and 2017, respectively: commercial third parties 68.5 percent and 67.3 percent; federal/state government 17.4 percent and 16.7 percent; and patients 14.1 percent and 16.0 percent. Note 12 provides additional information related to the reinsurance receivable.

Other accounts receivable include receivables from other government agencies, matured bequests, and other operating activities.

B. Contributions Receivable

Unconditional promises to give, or pledges, are recorded in the consolidated financial statements at present value using discount rates ranging from 1.0 percent to 7.0 percent. The methodology for estimating uncollectible amounts is based on an analysis of the historical collectability of contributions receivable. Contributions are expected to be realized as follows:

SUMMARY OF CONTRIBUTIONS RECEIVABLE

	2018	2017
Less than one year	\$ 341,413	\$ 372,009
Between one and five years	435,315	413,276
More than five years	164,223	242,001
Gross contributions receivable	\$ 940,951	\$ 1,027,286
Less: unamortized discount	(89,292)	(96,517)
Less: allowance for uncollectible amounts	(25,550)	(27,923)
Net contributions receivable	\$ 826,109	\$ 902,846

Contributions receivable as of June 30 are intended for the following purposes:

EXPECTED PURPOSE OF CONTRIBUTIONS RECEIVABLE

	2018	2017
Program support	\$ 420,169	\$ 469,049
Capital purposes	157,839	184,457
Long-term support	248,101	249,340
Net contributions receivable	\$ 826,109	\$ 902,846

At June 30, 2018, conditional promises not reflected in the consolidated financial statements, which consist primarily of bequest intentions and conditional promises with significant requirements, were \$502,357.

C. Student Loans Receivable

In keeping with Ezra Cornell's vision, the University has a "need-blind" policy of admission. Many students receive financial aid that consists of scholarship/fellowship grants, work-study opportunities and, when appropriate, student loans.

Student loan programs are funded by donor contributions, other institutional sources, and governmental programs, primarily the Federal Perkins Loan Program. The amounts received from the federal government's portion of the Perkins program are ultimately refundable to the federal government and are reported as a liability on the University's consolidated statement of financial position as government advances for student loans. The Federal Perkins Loan Program ended as of June 30, 2018. Existing loans will be serviced throughout the repayment term.

Student loans are often subject to unique restrictions and conditions and, therefore, it is not practical to determine their fair values. The allowance for doubtful accounts is for all loans, whether in repayment status or not.

The table below provides additional information about the student loan receivables and the allowances associated with federal and institutional loan programs.

SUMMARY OF STUDENT LOANS RECEIVABLE

	2018			2017
	Receivable	Allowance	Net receivable	Net receivable
Federal revolving loans	\$ 40,291	\$ (1,074)	\$ 39,217	\$ 47,969
Institutional loans	37,476	(2,921)	34,555	31,242
Total student loans receivable	\$ 77,767	\$ (3,995)	\$ 73,772	\$ 79,211

3. INVESTMENTS**A. General Information**

The University's investments are overseen by the Investment Committee of the Board of Trustees. The University's investment strategy incorporates a diversified asset allocation approach and maintains, within defined limits, exposure to the

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

movements of the world equity, fixed income, commodities, real estate, and private equity markets. Based on guidelines established by the Investment Committee, the University's Investment Office directs the investment of endowment and trust assets, certain working capital, and temporarily invested expendable funds.

The University maintains a number of investment pools or categories for specific purposes as follows:

INVESTMENT POOLS/CATEGORIES AT FAIR VALUE

	<u>2018</u>	<u>2017</u>
Long-term investments (LTI)		
Long-term investment pool (LTIP)	\$ 6,781,595	\$ 6,363,271
Other LTI	448,695	394,477
Total LTI	<u>\$ 7,230,290</u>	<u>\$ 6,757,748</u>
Separately invested and other assets	<u>272,739</u>	<u>412,787</u>
Total investments	<u>\$ 7,503,029</u>	<u>\$ 7,170,535</u>

Total earnings on the University's investment portfolio for the fiscal years ended June 30 is presented in the following table:

SUMMARY OF INVESTMENT RETURN

	<u>2018</u>	<u>2017</u>
Interest and dividends, net of investment fees	\$ 85,450	\$ 75,310
Net realized gain/(loss)	430,245	324,195
Net unrealized gain/(loss)	<u>121,694</u>	<u>367,532</u>
Total investment return	<u>\$ 637,389</u>	<u>\$ 767,037</u>

B. Fair Value

The University's investment holdings as of June 30, categorized in accordance with the fair-value hierarchy, are summarized in the following tables:

INVESTMENTS AT FAIR VALUE

	Level 1 fair value	Level 2 fair value	Level 3 fair value	Net asset value	<u>2018</u> Total	<u>2017</u> Total
Cash and cash equivalents	\$ 142,849	\$ 20,272	\$ -	\$ -	\$ 163,121	\$ 349,592
Derivatives	-	(5,961)	-	-	(5,961)	(2,260)
Equity						
Domestic equity	284,020	315,090	1,654	-	600,764	709,560
Foreign equity	386,998	538,044	849	610,424	1,536,315	1,260,740
Hedged equity	-	-	2,788	-	2,788	435,754
Private equity	-	-	61,974	1,572,494	1,634,468	1,380,558
Fixed income						
Asset backed fixed income	-	21,282	844	-	22,126	27,575
Corporate bonds	-	132,214	2,070	-	134,284	224,985
Equity partnership	-	31	-	531,869	531,900	459,181
International	2,970	28,632	469	-	32,071	93,168
Municipals	-	3,003	-	-	3,003	11,005
Mutual funds (non-equity)	196	14,854	-	-	15,050	19,921
Preferred/convertible	-	1,380	4,929	-	6,309	20,117
Other fixed income	-	495	-	-	495	105
US government	109,562	59,470	-	-	169,032	130,575
Marketable alternatives	-	279	-	1,324,224	1,324,503	878,982
Real assets	-	62,694	19,997	1,242,818	1,325,509	1,185,786
Receivable for investments sold	31,701	-	-	-	31,701	20,038
Payable for investments purchased	(49,126)	-	-	-	(49,126)	(58,923)
Other	-	-	24,677	-	24,677	24,076
Total investments	<u>\$ 909,170</u>	<u>\$ 1,191,779</u>	<u>\$ 120,251</u>	<u>\$ 5,281,829</u>	<u>\$ 7,503,029</u>	<u>\$ 7,170,535</u>

Securities not included in investment portfolio

Cash and cash equivalents	\$ 118,905	\$ -	\$ -	\$ -	\$ 118,905	\$ 69,963
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Level 1 investments consist of cash and cash equivalents, equity, and fixed-income securities with observable market prices. Fair value is readily determinable based on quoted prices in active markets. Unsettled trade receivable and payable valuations are reflective of cash settlements subsequent to the fiscal year-end and are also categorized as Level 1. The University does not adjust the quoted price for such instruments, even in situations where the University holds a large position and a sale of all its holdings could reasonably impact the quoted price.

Investments that are classified as Level 2 include domestic and foreign equities, as well as fixed income securities that trade in markets that are not considered to be active. Fair value is based on observable inputs for similar instruments in the market, and obtained by various sources including market participants, dealers, and brokers; the University's custodian secures pricing for these assets. The fair value of derivative investments is based on market prices from the financial institution that is the counterparty to the derivative.

Level 3 investments have significant unobservable inputs, as they trade infrequently or not at all. The inputs into the determination of fair value are based upon the best information in the circumstance and may require significant management judgment. Investments included in Level 3 consist primarily of the University's ownership in real estate, oil and mineral rights, limited partnerships, and equity positions in private companies.

C. Investments Using Net Asset Value

The net asset value ("NAV") column above represents the University's ownership interest in certain alternative investments. As a practical expedient, the University uses its ownership interest in the NAV to determine the fair value of all alternative investments that do not have a readily determinable fair value, and have financial statements consistent with the measurement principles of an investment company or have the attributes of an investment company. The NAV of these investments is determined by the general partner and is based upon appraisal or other estimates that require varying degrees of judgment. If no public market exists for the investment securities, the general partner will take into consideration, among other things, the cost of the securities, prices of recent significant placements of securities of the same issuer, and subsequent developments concerning the companies to which the securities relate. The University has performed significant due diligence around these investments to ensure that NAV is an appropriate measure of fair value as of June 30.

The following table provides additional information about alternative investments measured at NAV:

SUMMARY OF ALTERNATIVE INVESTMENTS MEASURED USING NET ASSET VALUE

Asset class	NAV in funds	Unfunded commitments	Timing to draw commitments	Redemption terms*
Private equity	\$ 1,572,494	\$ 696,741	1 to 10 years	These funds are in a private equity structure, with no ability to be redeemed
Real assets	1,242,818	521,851	1 to 10 years	These funds are in a private equity structure, with no ability to be redeemed
Fixed income	531,869	258,577	1 to 10 years	No redemptions available for funds in a private equity structure; balance includes 5% within 7 days, 11% with rolling 2-year redemptions with 90-days notice, and 8% within 5 years **
Foreign equity	610,424	n/a	n/a	Ranges between thrice-monthly redemption with 2-days notice, to rolling 3-year redemption with 90-days notice
Marketable alternatives	1,324,224	n/a	n/a	Ranges between quarterly redemption with 30-days notice, to 33% redemption per year with 60-days notice
Total for alternative investments using NAV	\$ 5,281,829	\$ 1,477,169		

* Represents initial investment lock up restriction. No other material redemption restrictions, such as redemption gates, were in place at year end.

** 76% of NAV is in a private equity structure, with no ability to be redeemed. Redemption provisions for the remaining 24% are shown above.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

D. Level 3 Investments

The table below presents a summary of Level 3 investment activity. All net realized and unrealized gains/(losses) in the table are reflected in the accompanying consolidated statement of activities. Net unrealized gains/(losses) relate to those financial instruments held by the University at June 30, 2018. There were no significant transfers into or out of Level 3 during the fiscal year ended June 30, 2018.

SUMMARY OF LEVEL 3 INVESTMENT ACTIVITY

	Fair value at June 30, 2017	Realized gain/(loss)	Unrealized gain/(loss)	Purchases	Sales	Transfers in/(out) of Level 3	Fair value at June 30, 2018
Equity							
Domestic equity	\$ 1,656	\$ -	\$ (2)	\$ -	\$ -	\$ -	\$ 1,654
Foreign equity	6,744	(681)	591	-	(5,805)	-	849
Hedged equity	4,945	(140)	70	17	(2,104)	-	2,788
Private equity	47,822	(352)	1,205	13,305	(6)	-	61,974
Fixed income							
Asset backed fixed income	929	33	(40)	-	(78)	-	844
Corporate bonds	2,888	21	25	248	(1,112)	-	2,070
International	-	-	(22)	491	-	-	469
Preferred/convertible	5,014	-	(85)	-	-	-	4,929
Real assets							
Other	23,953	(59)	(6,375)	3,363	(885)	-	19,997
	24,076	147	698	1,164	(1,408)	-	24,677
Total level 3 investments	\$ 118,027	\$ (1,031)	\$ (3,935)	\$ 18,588	\$ (11,398)	\$ -	\$ 120,251

Level 3 equities not priced by qualified third parties (e.g., brokers, pricing services, etc.) are valued using discounted cash flows, taking into account various factors including nonperformance risk, counterparty risk, and marketability. Investment value is also derived using a market approach through comparison to recent and relevant market multiples of comparable companies. Start-up assets, held by the University's student-run venture fund or other similar programs, are maintained at or near initial investment amounts due to the nature of the activity.

Level 3 asset-backed fixed income investments are valued using discounted cash flows. Preferred/convertible fixed income investments are valued using discounted cash flows or a market approach using a dividend multiplier. Investments in start-up companies, as described above, are valued at or near initial investment amounts.

Level 3 real assets represent directly owned real estate, and oil or mineral rights. To the extent feasible, third-party appraisals are used to value real estate directly owned by the University. If current appraisals are not available, fair value is based on the capitalization rate valuation model or discounted cash flow, corroborated by local market data, if available. Oil and mineral rights are valued based on industry standard revenue multiplier methodologies or discounted cash flows.

The following table provides additional information related to the valuation of the investments classified by the University as Level 3.

QUANTITATIVE INFORMATION ABOUT LEVEL 3 FAIR VALUE MEASUREMENT

	Level 3 fair value	Valuation technique(s)	Unobservable inputs	Range (weighted average)
Equity				
Domestic equity	\$ 1,654	Start-up valuation		
Foreign equity	849	Third-party valuation		
Hedged equity	2,788	Third-party valuation		
Private equity	1,082	Discounted cash flow	Discount rate	13%
			Discount for lack of marketability	20%
	5,165	Start-up valuation		
	55,727	Third-party valuation		
Fixed income				
Asset backed fixed	844	Discounted cash flow	Discount rate	3.9% - 4.7% (4.6%)
Corporate bonds	2,070	Third-party valuation		
International	469	Third-party valuation		
Preferred/convertible	4,929	Market comparable	Dividend multiple	17.1x - 20.7x (20.0x)
Real assets	166	Discounted cash flow	Discount rate	15%
			Years to maturity	12
	972	Sales comparison approach	Recent transactions	
	18,859	Third-party valuation		
Other	9,286	Discounted cash flow	Discount rate	3.0% - 5.3% (3.5%)
			Years to maturity	4 - 14 (7)
	1,291	Start-up valuation		
	14,100	Third-party valuation		
Total Level 3 investments	\$ 120,251			

The methods described above may produce a fair-value calculation that is not indicative of net realizable value or reflective of future fair values. Furthermore, while the University believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different estimate of fair value at the reporting date.

E. Derivative Holdings

The use of certain financial derivative instruments is governed by either the University's written investment policy, specific manager guidelines, or partnership/fund agreement documents. Specifically, financial derivative instruments may be used to manage foreign currency exposure, to obtain commodity exposure, to create synthetic exposure, or to obtain protection against increases in interest rates. These derivatives, based on definitions in GAAP, are not designated as hedging instruments. As part of its overall diversification strategy, the University allocates a percentage of its assets to investment managers specializing in securities whose prices are denominated in foreign currencies. The investment guidelines provide discretion to these managers to adjust the foreign currency exposure of their investment portfolios by using derivative instruments. A derivative is used for buying or selling foreign currency under a short-term contract to lock in the dollar cost of a specific pending purchase or sale of a foreign security, or for selling foreign currency under a longer-term contract to hedge against a general decline in the dollar value of foreign security holdings.

Some investment managers have discretion, limited by overall investment guidelines, to use derivative instruments to create investment exposures that could not be created as efficiently with other types of investments. These synthetic exposures in the University's portfolio consist of four types: 1) forward contracts used to increase exposure to a foreign currency beyond the level of underlying security investments in that currency; 2) futures contracts used to create exposures to assets where the futures market provides a more efficient investment than the underlying securities; 3) swap contracts, also used to provide a more efficient means to gain exposure than the underlying securities; and 4) option contracts used to adjust the exposure of the long-term portfolio to interest rate volatility.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

The University entered into option contracts on interest-rate swaps as a way to mitigate the impact of a significant rise in interest rates in the future. Under the terms of certain option contracts on interest-rate swaps, the University is obligated to make future premium payments. At June 30, 2018 and 2017, the University had unfunded premium payment commitments of \$3,072 and \$4,097 respectively. The University's premium payment schedule is as follows: \$1,024 for the years ending June 30, 2019, 2020 and 2021.

The following table provides detailed information on the derivatives included in the investment portfolio as of June 30.

FAIR VALUE OF DERIVATIVE HOLDINGS IN STATEMENT OF FINANCIAL POSITION

Location	Derivative type	2018			2017		
		Notional amount	# of Contracts	Fair value	Notional amount	# of Contracts	Fair value
Investments							
	Foreign currency	\$ -	28	\$ 426	\$ -	43	\$ (341)
	Commodity	130,826	55	(1,735)	-	-	-
	Synthetic	174,941	16	(2,951)	(3,464)	2	(1)
	Interest rate	301,004	3	(1,701)	301,004	3	(1,918)
	Total fair value	\$ 606,771	102	\$ (5,961)	\$ 297,540	48	\$ (2,260)

4. LAND, BUILDINGS, AND EQUIPMENT

A. General Information

Land, buildings, and equipment are detailed as follows:

LAND, BUILDINGS, AND EQUIPMENT

	Book value at June 30, 2018	Book value at June 30, 2017
Land, buildings, and equipment	\$ 6,232,741	\$ 5,745,468
Furniture, equipment, books, and collections	1,371,173	1,310,794
Capital leases	125,059	68,708
Construction in progress	211,039	488,652
Total before accumulated depreciation	\$ 7,940,012	\$ 7,613,622
Accumulated depreciation	(3,642,965)	(3,356,815)
Net land, buildings, and equipment	\$ 4,297,047	\$ 4,256,807

Certain properties, for which the University has possession and beneficial use for an indefinite period and which other entities may also record as assets, are included in the consolidated statement of financial position, as follows: (1) land, buildings, and equipment of the Contract Colleges aggregating \$741,078 and \$742,876 at June 30, 2018 and 2017, respectively, the acquisition cost of which was borne primarily by New York State and (2) land, buildings, and equipment for which titles rest with government and corporate agencies aggregating \$1,338 and \$2,438 at June 30, 2018 and 2017, respectively.

The future commitments on capital projects in progress, excluding projects funded by New York State, are approximately \$98,768 at June 30, 2018.

B. Cornell Tech Campus

In December 2011, the University, in partnership with Technion-Israel Institute of Technology, won the Applied Sciences NYC competition to build and operate a new applied sciences and engineering campus in New York City. The city committed, through the New York City Economic Development Corporation (NYCEDC), a location and seed funding for the initial construction of the new campus. Under the terms of the agreement with the NYCEDC and the ninety-nine year ground lease for Roosevelt Island, the University made the commitment to create the new applied sciences campus in three phases, with milestones in 2017, 2027, and 2037. In addition, the University has enrollment, faculty, and other operational commitments as part of the agreement.

In 2014, the University broke ground on Roosevelt Island, taking the first steps toward the completion of the Phase I development commitments, which include the first academic building, a residential building, a corporate co-location space,

and an executive education facility. The total cost of demolition of the existing structures on the site is considered to be a prepaid cost of the ground lease, and will be amortized over the term of the lease. At June 30, 2018, the unamortized amount of the demolition costs is \$55,364.

On March 31, 2016, the University entered into a joint venture with the Hudson Companies through its subsidiary H/R Tech Residential LLC. The purpose of the new joint venture, called Hudson Cornell Residential JV LLC, is to construct and operate the new residential facility on the Cornell Tech campus. The University has an equity interest of 86.59 percent and controlling financial interest and, therefore, consolidates the joint venture. This consolidation resulted in \$128,149 included in land, buildings, and equipment, net attributed to the joint venture at June 30, 2018. In addition, Hudson Cornell Tech LLC, a subsidiary of Hudson Cornell Residential JV LLC, held bonds and notes payable related to the construction of the residential building (“The House”) (see Note 8A). Unrestricted net assets of \$4,509 and \$5,625, representing the non-controlling interest of H/R Tech Residential LLC, is also consolidated into the University’s net assets at June 30, 2018 and 2017, respectively. Operating activity related to the joint venture is immaterial in the current fiscal year.

The Tata Innovation Center (formerly “The Bridge”) is a corporate co-location building and condominium association comprised of a “Cornell Unit” and one or more other units initially owned by the developer and/or its affiliates. The University has entered into a lease agreement for the Cornell Unit for a term of thirty-five years. As part of the lease agreement, the University has made a commitment in the form of gap rent for the developer’s unit(s) in an amount not to exceed \$2,982 annually, or \$44,731 over twenty years. The annual amount of gap rent is adjusted based upon the occupancy level in the developer’s unit(s). During the year ended June 30, 2018, a gap rent payment of \$2,982 was made.

Cornell Tech met its first milestone when faculty, staff, and researchers moved into the first academic building (Bloomberg Center) on Roosevelt Island during the summer of 2017, and students, faculty, and researchers moved into the House in advance of the fall semester. In addition, programs and operations in both the Bloomberg Center and The Tata Innovation Center began during the 2017-2018 academic year, rounding out the University’s operational commitments.

5. OBLIGATIONS UNDER SPLIT-INTEREST AGREEMENTS AND FUNDS HELD IN TRUST BY OTHERS

The University reports its obligations under split-interest agreements at fair value. The fair value of the obligation is calculated annually and considered Level 3 in the fair-value hierarchy. The discount rate is based on average return of investment-grade corporate bonds, weighted using a schedule of actuarial estimates of the lives of the income beneficiaries and the relative value of the agreements.

The University’s interest in funds held in trust by others is considered Level 3 in the fair-value hierarchy. Trusts in which the University has an income interest are valued annually using estimated cash flows based on average actual income over three years. Remainder interests are determined using present value calculations based on annual valuation reports received from the funds’ trustees. The discount rates used to estimate present value are based on the average return of investment-grade corporate bonds, weighted according to a schedule of actuarial estimates.

The following tables summarize the fair values and activity of funds held in trust by others and obligations under split interest agreements.

SPLIT-INTEREST AGREEMENTS AT FAIR VALUE AND LEVEL 3 QUANTITATIVE INFORMATION

	2018 Total	Valuation methodologies	Unobservable inputs	Range (weighted average)
Funds held in trust by others				
Remainder	\$ 53,682	Present value calculation	Discount rate Years to maturity	4.00% 0-55 (11)
Lead and perpetual	60,113	Discounted cash flows	Discount rate	4.60%
Total funds held in trust by others	<u>\$ 113,795</u>			
Obligations under split interest agreements	\$ 135,331	Discounted cash flows	Discount rate Years to maturity	4.20% 0-62 (16)

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

SUMMARY OF LEVEL 3 SPLIT-INTEREST AGREEMENT ACTIVITY

	Fair value at June 30, 2017	Realized gain/(loss)	Unrealized gain/(loss)	Purchases	Sales	Transfers in/(out) of Level 3	Fair value at June 30, 2018
Funds held in trust by others							
Remainder	\$ 50,067	\$ 1,638	\$ (2,053)	\$ 5,099	\$ (1,069)	\$ -	\$ 53,682
Lead and perpetual	60,850	(3,725)	(16)	3,004	-	-	60,113
Total funds held in trust by others	\$ 110,917	\$ (2,087)	\$ (2,069)	\$ 8,103	\$ (1,069)	\$ -	\$ 113,795
Obligations under split-interest agreements	\$ 133,459	\$ -	\$ 1,872	\$ -	\$ -	\$ -	\$ 135,331

6. DEFERRED BENEFITS

A. General Information

Accrued employee benefit obligations as of June 30 include:

SUMMARY OF DEFERRED BENEFITS

	2018	2017
Postemployment benefits	\$ 26,034	\$ 27,526
Pension and other postretirement benefits	406,852	441,200
Other deferred benefits	188,462	187,747
Total deferred benefits	\$ 621,348	\$ 656,473

Accrued postemployment benefits include workers' compensation and medical continuation benefits for those on long-term disability. Other deferred benefits include primarily vacation accruals, deferred compensation, and medical benefit claims incurred but not reported. Additionally, the University provides various benefits to former or inactive employees after employment, but before retirement, that are recognized when they are earned.

B. Pension and Postretirement Plans

The University's employee retirement plan coverage is provided by two basic types of plans: one based on a predetermined level of funding (defined contribution), and the other based on a years-of-service calculation to determine the level of benefit to be provided (defined benefit).

The primary defined contribution plans for endowed colleges at Ithaca and for exempt employees (those not subject to the overtime provisions of the Fair Labor Standards Act) at WCM are carried by the Teachers Insurance and Annuity Association; the College Retirement Equities Fund; the Vanguard Group (WCM only); and Fidelity Investments (the endowed colleges at Ithaca only), all of which permit employee contributions within the tax deferred annuity plans. Total contributions of the endowed colleges at Ithaca and WCM plans for the fiscal years ended June 30, 2018 and 2017 amounted to \$115,051 and \$111,336 respectively.

WCM maintains the University's only defined benefit pension plan. The participants include non-exempt employees at WCM who meet the eligibility requirements for participation. The plan was frozen in 1976 for exempt employees at WCM and the accrued benefits were merged with the active non-exempt retirement plan in 1989. In accordance with Employee Retirement Income Security Act (ERISA) requirements for the defined benefit plans, the University must fund annually with an independent trustee an actuarially determined amount.

Additionally, the University provides health and life insurance benefits for eligible retired employees and their dependents, based on the attainment of a set of defined service and age requirements. The cost of providing these benefits is accrued during the service lives of employees.

C. Obligations and Funded Status

The following table sets forth the defined benefit pension and postretirement plans' obligations and funded status as of June 30:

SUMMARY OF OBLIGATIONS AND FUNDED STATUS

	Pension benefits		Other postretirement	
	2018	2017	2018	2017
Change in plan assets				
Fair value of plan assets at beginning of year	\$ 111,530	\$ 96,109	\$ 255,181	\$ 217,866
Actual return on plan assets	9,186	13,147	19,753	32,315
Employer contribution	6,500	6,000	26,781	23,052
Benefits paid	(4,331)	(3,726)	(21,781)	(18,052)
Fair value of plan assets at end of year	\$ 122,885	\$ 111,530	\$ 279,934	\$ 255,181
Change in benefit obligation				
Benefit obligation at beginning of year	\$ 175,870	\$ 160,601	\$ 632,041	\$ 638,835
Service cost (benefits earned during the period)	10,824	9,509	30,757	30,535
Interest cost	7,658	6,758	26,250	24,734
Actuarial (gain)/loss	(1,736)	2,728	(48,814)	(46,851)
Gross benefits paid	(4,331)	(3,726)	(20,212)	(16,614)
Less: federal subsidy on benefits paid	-	-	1,364	1,402
Projected benefit obligation at end of year	\$ 188,285	\$ 175,870	\$ 621,386	\$ 632,041
Funded status	\$ (65,400)	\$ (64,340)	\$ (341,452)	\$ (376,860)
Amounts recognized in the consolidated statement of financial position	\$ (65,400)	\$ (64,340)	\$ (341,452)	\$ (376,860)
Amounts recorded in unrestricted net assets not yet amortized as components of net periodic benefit cost				
Prior service cost	\$ (324)	\$ (416)	\$ -	\$ -
Net actuarial (gain)/loss	38,887	44,933	40,557	93,844
Amount recognized as reduction in unrestricted net assets	\$ 38,563	\$ 44,517	\$ 40,557	\$ 93,844
Amounts recorded in nonoperating pension and postretirement changes				
Change in amounts not yet amortized as components of net periodic benefit cost	\$ 5,954	\$ 7,282	\$ 53,287	\$ 78,000
Other components of net periodic benefit cost	(2,690)	(3,621)	(10,970)	(23,567)
Total nonoperating pension and postretirement changes	\$ 3,264	\$ 3,661	\$ 42,317	\$ 54,433

The accumulated benefit obligation for the pension plans was \$160,410 and \$150,761 at June 30, 2018 and 2017, respectively. The accumulated benefit obligation differs from the projected benefit obligation in the table above in that it includes no assumptions about future compensation levels. It represents the actuarial present value of future payments to plan participants using current and past compensation levels. For postretirement plans other than pensions, the accumulated benefit obligation is the same as the projected benefit obligations because the liabilities are not compensation-related.

D. Net Periodic Benefit Cost

Net benefit expense related to the pension and postretirement plans for the fiscal years ended June 30 includes the following components:

NET PERIODIC BENEFIT COST

	Pension benefits		Other postretirement	
	2018	2017	2018	2017
Service cost (benefits earned during the period)	\$ 10,824	\$ 9,509	\$ 30,757	\$ 30,535
Interest cost	7,658	6,758	26,250	24,734
Expected return on plan assets	(7,818)	(6,621)	(18,773)	(16,067)
Amortization of prior service cost	(92)	(92)	-	-
Amortization of net (gain)/loss	2,942	3,576	3,493	7,283
Net periodic benefit cost	\$ 13,514	\$ 13,130	\$ 41,727	\$ 46,485

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

The amounts of prior service costs and actuarial gains/losses that will be amortized into net periodic benefit cost for the year ending June 30, 2019 are estimated as follows:

ESTIMATED COMPONENTS OF NET PERIODIC BENEFIT COST		
	Pension benefits	Other postretirement
Prior service cost	\$ (92)	\$ -
Net actuarial (gain)/loss	1,812	-
Total	\$ 1,720	\$ -

E. Actuarial Assumptions

Assumptions used in determining the pension and postretirement plans' benefit obligations and net periodic costs are:

SUMMARY OF ACTUARIAL ASSUMPTIONS

	Pension benefits		Other postretirement	
	2018	2017	2018	2017
Used to calculate benefit obligations at June 30				
Discount rate	4.31%	4.04%	4.30% / 4.29%	3.97% / 3.96%
Rate of compensation increase	3.00%	3.00%		
Used to calculate net periodic cost at July 1				
Discount rate	4.04%	3.94%	3.97% / 3.96%	3.83% / 3.79%
Expected return on plan assets	7.00%	7.00%	7.30%	7.30%
Rate of compensation increase	3.00%	3.00%		
Assumed health care cost trend rates				
Health care cost trend rate assumed for next year	n/a	n/a	5.50% / 6.00%	6.00% / 6.50%
Ultimate trend rate	n/a	n/a	4.50%	4.50%
Years to reach ultimate trend rate	n/a	n/a	3 / 4	4 / 5

The health care cost trend rate assumption has a significant effect on the amounts reported for postretirement health care plans. Increasing the health care cost trend rate by one percent in each future year would increase the benefit obligation by \$124,281 and the annual service and interest cost by \$15,004. Decreasing the health care cost trend rate by one percent in each future year would decrease the benefit obligation by \$88,256 and the annual service and interest cost by \$10,780.

F. Plan Assets

The University's Retirement Plan Oversight Committee ("RPOC") is chaired by the Vice President and Chief Human Resources Officer, with committee members selected from across multiple disciplines at the University. Its primary purpose is to assist the University in fulfilling its fiduciary responsibilities by providing guidance and oversight for the University's retirement plans, including oversight of the custodial bank. The RPOC, in accordance with an Investment Policy Statement, and in conjunction with its outside consultant, regularly reviews the investment strategies, along with evolving institutional objectives, and will make recommendations regarding possible changes to asset allocation and investment managers accordingly.

The University's overall investment objectives for the pension plan and postretirement healthcare plan assets are broadly defined to include an inflation-adjusted rate of return that seeks growth commensurate with a prudent level of risk. To achieve this objective, the University has established fully discretionary trusts with a custodial bank as trustee and investment manager for WCM's defined benefit pension plan and the postretirement medical benefit plan for the University's endowed employees on the Ithaca campus. Under those trust agreements the custodial bank implements investment allocations through various investment funds in order to carry out the investment objectives established by the RPOC.

Risk mitigation is achieved by diversifying investments across multiple asset classes, investing in high quality securities, and permitting flexibility in the balance of investments in the recommended asset classes. Market risk is inherent in any portfolio, but the investment policies and strategies are designed to avoid concentration of risk in any one entity, industry, country, or commodity. The funds in which the plan assets are invested are well-diversified and managed to avoid concentration of risk. The expected rate of return assumptions are based on the expertise provided by investment managers at the custodial bank. The factors that impact the expected rates of return for various asset types includes assumptions about inflation, historically based real returns, anticipated value added by investment managers, and expected average asset allocations.

The fair values of the pension plan assets and postretirement medical benefit plan assets are categorized according to the fair-value hierarchy. Both the pension plan and postretirement medical benefit plans invest in funds to meet their investment objectives. The asset allocation is based on the underlying assets of the various funds. The fair-value level is based upon each fund as the unit of measure. The fair value of the plans' assets as of June 30 and the rollforward for Level 3 assets are disclosed in the tables below.

SUMMARY OF PLAN ASSETS

	Target allocation	Pension benefits		Other postretirement	
		2018	2017	2018	2017
Percentage of plan assets					
Equity securities	39-85%	64%	65%	77%	77%
Fixed income securities	15-55%	30%	29%	23%	23%
Real estate	0-10%	6%	6%	0%	0%
Total		100%	100%	100%	100%

PENSION PLAN ASSETS AT FAIR VALUE

	Level 1	Level 2	Level 3	2018	2017
	fair value	fair value	fair value	Total	Total
Cash and cash equivalents					
Money market	\$ 3	\$ -	\$ -	\$ 3	\$ 342
Equity securities					
U.S. small cap	-	8,463	-	8,463	7,629
U.S. large cap	-	35,989	-	35,989	32,008
U.S. multi cap	-	7,364	-	7,364	6,798
U.S. REITS	-	3,082	-	3,082	2,695
Emerging markets	-	8,075	-	8,075	8,053
International equity	-	16,347	-	16,347	15,371
Fixed income securities					
U.S. high yield bonds	-	5,263	-	5,263	6,140
Corporate bonds	-	23,528	-	23,528	20,557
Mortgage-backed securities	-	3,441	-	3,441	3,015
International fixed income	-	1,225	-	1,225	2,176
Floating-rate debt instruments	-	2,457	-	2,457	-
Other types of investments					
Real estate	-	-	7,278	7,278	6,746
Receivable for investments sold	2,097	-	-	2,097	-
Payable for investments purchased	(1,727)	-	-	(1,727)	-
Total assets	\$ 373	\$ 115,234	\$ 7,278	\$ 122,885	\$ 111,530

SUMMARY OF LEVEL 3 PENSION PLAN ACTIVITY

	Fair value, June 30, 2017	Realized gain/(loss)	Unrealized gain/(loss)	Purchases	Sales	Transfers in/(out) of Level 3	Fair value, June 30, 2018
	Mortgage-backed securities	\$ 2,985	\$ -	\$ 2	\$ 454	\$ -	\$ (3,441)
Real estate	6,746	-	532	-	-	-	7,278
Total Level 3 assets	\$ 9,731	\$ -	\$ 534	\$ 454	\$ -	\$ (3,441)	\$ 7,278

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

POSTRETIREMENT PLAN ASSETS AT FAIR VALUE

	Level 1 fair value	Level 2 fair value	Level 3 fair value	2018 Total	2017 Total
Cash and cash equivalents					
Money market	\$ 1,563	\$ -	\$ -	\$ 1,563	\$ 3,921
Equity securities					
U.S. small cap	-	26,586	-	26,586	25,061
U.S. large cap	-	90,548	-	90,548	82,011
Emerging markets	-	35,464	-	35,464	30,063
International equity	-	55,961	-	55,961	51,544
U.S. REITS	-	6,210	-	6,210	6,609
Fixed income securities					
U.S. high yield bonds	-	15,351	-	15,351	16,084
Corporate bonds	-	44,100	-	44,100	34,740
Emerging markets debt	-	4,150	-	4,150	5,133
Receivable for investments sold	3,649	-	-	3,649	1,928
Payable for investments purchased	(3,648)	-	-	(3,648)	(1,913)
Total assets	\$ 1,564	\$ 278,370	\$ -	\$ 279,934	\$ 255,181

G. Expected Contributions and Benefit Payments

The expected annual contributions and benefit payments that reflect anticipated service are as follows:

EXPECTED CONTRIBUTIONS AND BENEFIT PAYMENTS

	Pension benefits	Other postretirement	
		Employer paid	Government subsidy
University contributions			
2019	\$ 7,000	\$ 25,052	n/a
Future benefit payments			
2019	5,698	21,314	1,817
2020	6,165	23,090	1,999
2021	7,067	24,748	2,183
2022	7,406	26,180	2,386
2023	7,778	27,769	2,602
2024-2028	52,616	168,540	16,767

The Medicare Prescription Drug, Improvement and Modernization Act of 2003 established a prescription drug benefit known as “Medicare Part D” that also established a federal subsidy to sponsors of retiree healthcare benefit plans. The estimated future government subsidy amounts are reflected in the table above.

H. Contract College Employees

Employees of the Contract Colleges are covered under the New York State pension plans. Contributions to the state retirement system and other employee benefit costs are paid directly by the state. The amounts of direct payments made by the state on behalf of Contract College employees are not currently determinable and are not included in the consolidated financial statements. The University reimburses the state for employee benefit costs on certain salaries, principally those associated with externally sponsored programs. The amounts reimbursed to the state during the fiscal years ended June 30, 2018 and 2017 were \$17,306 and \$16,834, respectively, and were included in operating expenses.

7. FUNDS HELD FOR OTHERS

The University, in limited instances, invests funds on behalf of related parties. Independent trustees are responsible for the designation of income distribution. The value of the funds included on the investment line in the consolidated statement of financial position was \$222,006 and \$259,275 for the fiscal years ended June 30, 2018 and 2017, respectively. The University recognizes an offsetting liability for funds held for others, with one adjustment described below.

The New York Hospital-Cornell Medical Center Fund, Inc. (“Center Fund”), which benefits WCM and the New York-Presbyterian Hospital, is the major external organization invested in the University’s long-term investment portfolio with assets of \$184,225 and \$174,655 for the fiscal years ended June 30, 2018 and 2017, respectively. WCM holds a significant beneficial interest in the assets of the Center Fund of \$113,811 and \$122,182, for the fiscal years ended June 30, 2018 and 2017, respectively. The liability related to New York-Presbyterian’s interest is \$70,414 and \$52,473 for the fiscal years ended June 30, 2018 and 2017, respectively.

The Boyce Thompson Institute for Plant Research (“BTI”) is an independent, non-profit organization whose mission is to advance and communicate scientific knowledge in plant biology to improve agriculture, protect the environment, and enhance human health. In 2017, BTI elected to withdraw its assets, with a fair value of \$44,881 as of June 30, 2017 and an offsetting liability on the University’s consolidated statement of financial position, from the University’s long-term investment portfolio. The withdrawal was completed in July 2017.

8. BONDS AND NOTES PAYABLE

A. General Information

Bonds and notes payable are reported at carrying value, which is the par amount net of unamortized issuance costs, premiums, and discounts. Bonds and notes payable as of June 30 are summarized as follows:

SUMMARY OF BONDS AND NOTES PAYABLE

	<u>2018</u>	<u>2017</u>	<u>Interest rates</u>	<u>Final maturity</u>
Dormitory Authority of the State of New York (DASNY)				
Revenue Bond Series				
1990B-fixed rate	\$ 27,870	\$ 31,150	4.50 to 5.00%	2025
2000A-variable rate/monthly	35,355	37,875	1.29 to 2.29	2029
2000B-variable rate/monthly	49,085	52,805	1.29 to 2.29	2030
2004A&B-variable rate/weekly	62,825	65,850	0.74 to 1.79	2033
2008B&C-fixed rate	106,035	109,210	5.00	2037
2009A-fixed rate	261,050	268,155	4.00 to 5.00	2039
2010A-fixed rate	285,000	285,000	4.00 to 5.00	2040
2016A-fixed rate	117,205	121,920	3.00 to 5.00	2035
Tax-exempt commercial paper	52,890	52,890	0.79 to 1.67	2037
Tompkins County Industrial Development Agency (TCIDA)				
2002A-variable rate/monthly	30,365	32,245	1.29 to 2.29	2030
2008A-fixed rate	57,320	59,155	3.00 to 5.00	2037
Empire State Development	1,375	1,500	-	2029
2007A Taxable commercial paper	83,890	83,890	1.15 to 2.10	-
Hudson Cornell Residential JV LLC	96,630	80,949	3.48 to 3.85	2019
Other	6,027	6,271	4.90 to 6.63	2039
Outstanding bonds and notes payable	<u>\$ 1,272,922</u>	<u>\$ 1,288,865</u>		
Unamortized premium and issuance costs	<u>32,729</u>	<u>43,396</u>		
Total bonds and notes payable	<u>\$ 1,305,651</u>	<u>\$ 1,332,261</u>		

Debt and related debt service for borrowings by New York State for the construction and renovation of facilities of the Contract Colleges are not included in the consolidated financial statements because they are not liabilities of the University.

Under the DASNY Revenue Bond Series 1990B and tax-exempt commercial paper notes agreements, these are general obligations of the University and are secured by a pledge of revenue. The University has not granted a pledge of revenue on other debt.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

During the fiscal year ended June 30, 2017, the University redeemed Series 2009 taxable bonds with a maturity date in January 2019. The University incurred a \$18,973 make-whole call premium on the early redemption, reported as non-operating other in the consolidated statement of activities.

Hudson Cornell Tech LLC, a subsidiary of Hudson Cornell Residential JV LLC (see Note 4B), contracted with Wells Fargo Bank, N.A. for a variable-rate building and equipment loan up to \$105,000. The University has consolidated \$96,630 and \$80,949 of debt attributable to the subsidiary at June 30, 2018 and 2017, respectively. The loan is secured by a security interest in the building and equipment.

The University maintains tax-exempt and taxable commercial paper programs. Tax-exempt commercial paper is used to finance qualified capital projects and equipment purchases. Taxable commercial paper is also used for these purposes, and can be used to finance short-term working capital needs. The maximum authorized amount of each commercial paper program is \$200,000.

Scheduled principal and interest payments on bonds and notes for the next five fiscal years and thereafter are shown below:

ANNUAL DEBT SERVICE REQUIREMENTS			
Year	Principal	Interest	Total
2019	\$ 128,984	\$ 45,718	\$ 174,702
2020	33,715	39,947	73,662
2021	35,267	44,916	80,183
2022	36,949	43,460	80,409
2023	38,598	42,014	80,612
Thereafter	999,409	433,551	1,432,960
Total	\$ 1,272,922	\$ 649,606	\$ 1,922,528

The University estimates future interest payments on variable-rate debt based on the Securities Industry and Financial Markets Association (SIFMA) rate for tax-exempt debt and the London Interbank Offered Rates (LIBOR) rate for taxable debt.

B. Interest-Rate Swaps

The University approved the use of interest-rate swaps to mitigate interest-rate risk in the debt portfolio. Interest-rate swaps are derivative instruments; however, their use by the University is not considered to be hedging activity, based on definitions in generally accepted accounting principles.

Through the use of interest-rate swap agreements, the University is exposed to the risk that counterparties will fail to meet their contractual obligations. To mitigate counterparty risk, the University limits swap exposure for each counterparty. Master agreements with counterparties include netting arrangements that permit the University to net amounts due to the counterparty with amounts due from the counterparty. Utilizing netting arrangements reduces the maximum loss in the event of counterparty default.

The University's swap agreements contain a credit-rating-contingent feature in which the counterparties can request collateral on agreements in net liability positions. At June 30, 2018 and 2017, the University did not have collateral on deposit with any counterparty.

The University's interest-rate swaps are valued as of June 30 by an independent third party that uses the mid-market levels, as of the close of business, to value each agreement. The valuations provided are derived from proprietary models based upon well-recognized financial principles and estimates about relevant future market conditions and the University's credit worthiness. The University's interest-rate swaps are classified as Level 2 in the fair-value hierarchy.

At June 30, 2018, the University had five interest-rate swap agreements to exchange variable-rate cash flows for fixed-rate cash flows without the exchange of the underlying principal amount. Net payments or receipts of the swap agreements are recorded as adjustments to the swap interest and change in value of interest-rate swaps line in the consolidated statement of activities. In all agreements in effect at June 30, 2018, the counterparty pays a variable interest rate equal to a percentage of the one-month LIBOR.

The following table provides detailed information on the interest-rate swaps at June 30, 2018, with comparative fair values for June 30, 2017. The swaps are reported based on notional amount.

FAIR VALUE OF INTEREST-RATE SWAPS IN STATEMENT OF FINANCIAL POSITION

Location	Notional amount	Interest rate	Termination date	Basis	2018 Level 2 fair value	2017 Level 2 fair value
Swap interest and change in value of interest-rate swaps						
	\$ 32,245	4.52	July 1, 2030	LIBOR	\$ (5,012)	\$ (6,939)
	87,557	3.92	July 1, 2038	LIBOR	(16,131)	(21,289)
	275,000	3.88	July 1, 2040	LIBOR	(79,298)	(95,715)
	188,465	3.48	July 1, 2041	LIBOR	(30,153)	(40,574)
	190,510	3.77	July 1, 2044	LIBOR	(39,819)	(50,735)
Total fair value					\$ (170,413)	\$ (215,252)

C. Standby Bond Purchase Agreements

The University has a standby bond purchase agreement with BNY Mellon (expiring January 2019) to purchase the DASNY Series 2004 bonds in the event that these bonds cannot be remarketed. In the event that the bonds cannot be remarketed and the agreement is not otherwise renewed, the University will be required to redeem the bonds or refinance the bonds in a different interest rate mode. In the event that the bonds cannot be remarketed and the University did not redeem, the University will have a current obligation to purchase the bonds tendered.

D. Lines of Credit

The University maintains two \$100 million lines of credit with annual expiration dates of January 31 and April 1. As of June 30, 2018 and 2017, the University had not borrowed against either line of credit. The University records the working capital lines of credit activity and outstanding balances as other liabilities in the consolidated statement of financial position.

9. LEASES

The University enters into lease agreements for the use of real property, machinery, and equipment. Total operating lease expenses were \$43,227 and \$35,829 for the fiscal years ended June 30, 2018 and 2017, respectively. The future annual minimum lease payments in the following table are payments under operating leases expiring at various dates through June 30, 2068, and payments under capital leases expiring at various dates through September 30, 2051. The capital lease balance is primarily related to building leases for the Breazzano Family Center for Business Education at Ithaca and the Tata Innovation Center at Cornell Tech.

ANNUAL MINIMUM LEASE PAYMENTS

Year	Capital	Operating
2019	\$ 8,846	\$ 46,430
2020	8,773	45,488
2021	8,669	45,009
2022	8,570	41,277
2023	9,118	39,268
Thereafter	294,990	340,289
Total minimum lease payments	\$ 338,966	\$ 557,761
Less: Amount representing interest	(216,414)	
Present value of net minimum lease payments	\$ 122,552	

10. FUNCTIONAL EXPENSES AND STUDENT AID

Total expenses by functional categories for the fiscal years ended June 30 are as follows:

FUNCTIONAL EXPENSES		
	2018	2017
Instruction	\$ 900,894	\$ 872,383
Research	649,322	599,178
Public service	130,017	128,674
Academic support	318,291	293,823
Student services	206,429	174,661
Medical services	1,363,249	1,300,558
Institutional support	434,830	420,409
Enterprises and subsidiaries	282,053	258,834
Total expenses	<u>\$ 4,285,085</u>	<u>\$ 4,048,520</u>

The expenses for operations and maintenance of facilities, depreciation, and interest related to capital projects are allocated to functional categories based on square footage. The amounts allocated for operations and maintenance were approximately \$150,994 and \$150,379 for the fiscal years ended June 30, 2018 and 2017, respectively.

Student financial assistance is shown as a component of instruction expense unless the assistance is for tuition and mandatory fees. If the assistance is for tuition and mandatory fees, the amounts are recorded as scholarship allowance, which reduces tuition revenue. Total financial assistance amounts classified as instruction expense were \$49,394 and \$45,262 for the fiscal years ended June 30, 2018 and 2017, respectively.

Functional expenses include other components of net periodic benefit cost, recorded in nonoperating revenues and expenses, totaling \$13,660 and \$27,188 for the years ended June 30, 2018 and 2017, respectively.

Certain prior-year amounts for Institutional support have been reclassified to Medical services to conform to the current year presentation.

11. NET ASSETS**A. General Information**

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

SUMMARY OF NET ASSETS

	Unrestricted	Temporarily restricted	Permanently restricted	2018 Total	2017 Total
Endowment					
True endowment	\$ (12,155)	\$ 1,766,257	\$ 3,173,462	\$ 4,927,564	\$ 4,554,894
Funds functioning as endowment (FFE)	1,422,855	351,752	-	1,774,607	1,780,625
Total true endowment and FFE	<u>\$ 1,410,700</u>	<u>\$ 2,118,009</u>	<u>\$ 3,173,462</u>	<u>\$ 6,702,171</u>	<u>\$ 6,335,519</u>
Funds held by others, perpetual	-	-	169,310	169,310	180,925
Total University endowment	<u>\$ 1,410,700</u>	<u>\$ 2,118,009</u>	<u>\$ 3,342,772</u>	<u>\$ 6,871,481</u>	<u>\$ 6,516,444</u>
Other net assets					
Operations	(246,163)	471,590	-	225,427	139,666
Student loans	9,033	-	50,253	59,286	53,776
Facilities and equipment	2,939,859	103,772	-	3,043,631	2,972,055
Split interest agreements	-	67,455	40,882	108,337	107,731
Funds held by others, other than perpetual	-	29,399	28,951	58,350	52,357
Contributions receivable, net	-	590,791	235,318	826,109	902,846
Long-term accruals	(688,298)	-	-	(688,298)	(720,256)
Total net assets	<u>\$ 3,425,131</u>	<u>\$ 3,381,016</u>	<u>\$ 3,698,176</u>	<u>\$ 10,504,323</u>	<u>\$ 10,024,619</u>

Unrestricted net asset balances for operations are affected primarily by operating activities and strategic decisions to invest expendable balances in funds functioning as endowment and capital projects. Long-term accruals represent longer-term liabilities including the unfunded amount of pension and postretirement benefits, vacation accruals, conditional asset retirement obligations for asbestos remediation, and fair-value adjustment on interest-rate swaps.

B. Endowment

The University endowment net assets at June 30 were held in support of the following purposes:

SUMMARY OF ENDOWMENT PURPOSE

	2018	2017
Academic programs and research	\$ 1,966,874	\$ 1,840,470
Financial aid	1,733,832	1,601,140
Professorships	1,447,617	1,362,084
General purpose and other	1,275,690	1,249,398
Facilities support	108,708	103,893
CU Foundation	169,450	178,534
Total true endowment and FFE, end of year	\$ 6,702,171	\$ 6,335,519

Of the endowment assets held at the University, 98 percent was invested in the LTIP at June 30, 2018 and 96 percent at June 30, 2017. The LTIP is a mutual-fund-like vehicle used for investing the University's true endowments, funds functioning as endowment, and other funds that are not expected to be expended for at least five years. The University employs a unit method of accounting for the LTIP. Each participating fund enters into and withdraws from the pooled investment account based on monthly unit fair values. Participation in the LTIP using unrestricted funds requires a minimum investment of one hundred thousand dollars and a commitment of at least five years.

At June 30, 2018, 291 of 7,147 true endowment funds invested in the LTIP had a total historic dollar value of \$150,991 and a fair value of \$138,836, resulting in these endowments being underwater by a total of \$12,155. The University holds significant appreciation on endowments to offset these temporary decreases in value. The University has maintained these true endowment funds at their historical book value.

Changes in the endowment net assets, exclusive of funds held in trust by others, for the fiscal years ended June 30 are presented below:

SUMMARY OF ENDOWMENT ACTIVITY

	Unrestricted	Temporarily restricted	Permanently restricted	2018 Total	2017 Total
True endowment and FFE, beginning of year	\$ 1,395,479	\$ 1,909,832	\$ 3,030,208	\$ 6,335,519	\$ 5,584,197
Investment return					
Net investment income	12,618	37,578	1	50,197	41,734
Net realized and unrealized gain/(loss)	173,320	417,932	(1,714)	589,538	641,486
Total investment return	\$ 185,938	\$ 455,510	\$ (1,713)	\$ 639,735	\$ 683,220
New gifts	5,703	20,917	115,975	142,595	387,247
Amounts appropriated for expenditure/reinvestment	(78,925)	(234,799)	2,368	(311,356)	(317,054)
Other changes and reclassifications	(97,495)	(33,451)	26,624	(104,322)	(2,091)
Total true endowment and FFE, end of year	\$ 1,410,700	\$ 2,118,009	\$ 3,173,462	\$ 6,702,171	\$ 6,335,519

12. SELF-INSURANCE

The University retains self-insurance for property, general liability, student health insurance, and certain health benefits. In addition, the University has an equity interest in a multi-provider captive insurance company for medical malpractice.

A. Medical Malpractice

The University obtains medical malpractice insurance through MCIC Vermont ("MCIC"). MCIC is a reciprocal risk retention group that provides medical malpractice insurance coverage and risk management services to its subscribers.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

MCIC is owned by the University, New York-Presbyterian Hospital, and four other institutions of higher education and their respective teaching hospitals. All of WCM's faculty physicians are enrolled in MCIC. The medical malpractice incurred but not reported liability is calculated annually on an actuarial basis.

WCM has recorded medical malpractice liabilities of \$170,633 and \$151,006 at June 30, 2018 and 2017, respectively, as other liabilities in the consolidated statement of financial position. In addition, WCM maintains a reinsurance program with MCIC with anticipated recoveries of \$122,351 and \$103,726, respectively, recorded as accounts receivable (Note 2A).

B. Student Health Plan

The University has established a self-funded student health plan under Section 1124 of the New York State Insurance Law ("NYSIL"). The Student Health Plan ("SHP") provides health insurance coverage to students at the University's Ithaca-based campuses. The table below presents a summary of SHP operations occurring during the University's fiscal years ended June 30.

SUMMARY OF STUDENT HEALTH PLAN OPERATIONS

	July 1 - July 31 (prior plan year)	August 1 - June 30 (current plan year)	2018 Fiscal year total	July 1 - August 16 (prior plan year)	August 17 - June 30 (current plan year)	2017 Fiscal year total
Total premium revenue	\$ 2,475	\$ 29,897	\$ 32,372	\$ 3,693	\$ 26,965	\$ 30,658
Expenses						
Medical and prescription drug expense	2,819	21,000	23,819	2,976	14,264	17,240
Health center capitation	523	5,847	6,370	786	5,299	6,085
Administrative fees	381	3,240	3,621	82	2,387	2,469
Total expenses	\$ 3,723	\$ 30,087	\$ 33,810	\$ 3,844	\$ 21,950	\$ 25,794
Net income from health plan operations	\$ (1,248)	\$ (190)	\$ (1,438)	\$ (151)	\$ 5,015	\$ 4,864

The University has established reserves with the amounts necessary to satisfy obligations of the plan. Based on an analysis and recommendation of a qualified actuary, and with the approval of New York State, the reserve for medical claims incurred but not reported ("IBNR") and claims reported but not paid ("RBNP") is maintained at an amount not less than 14.5 percent of expected medical claims and 5 percent of expected pharmacy drug claims. In addition, a separate contingency reserve has been established for the purpose of satisfying unexpected obligations in the event of termination of the plan. The contingency reserve is maintained at an amount not less than 5 percent of the total current plan year premiums and is invested in the University's endowment. NYS requires that the assets of the contingency reserve consist of certain investments of the types specified in Section 1404 of NYSIL. The specified types of investments include U.S. government securities categorized in fair-value hierarchy Level 1, of which the University holds \$109,562 and \$42,897 in its investment portfolio as of June 30, 2018 and 2017, respectively (Note 3B). Premium revenue is billed in advance of the plan year (unearned) and recognized as revenue on a monthly basis as coverage is provided. The changes in the unearned premiums and SHP reserves during the fiscal years ended June 30 are presented below.

SUMMARY OF STUDENT HEALTH PLAN UNEARNED PREMIUMS

	2018		2017	
	Unearned premiums 2016-2017 plan year	Unearned premiums 2017-2018 plan year	Unearned premiums 2015-2016 plan year	Unearned premiums 2016-2017 plan year
Balance as of July 1	\$ 2,270	\$ -	\$ 3,625	\$ -
Balance as of June 30	-	2,764	-	2,270
Net change	\$ (2,270)	\$ 2,764	\$ (3,625)	\$ 2,270

SUMMARY OF STUDENT HEALTH PLAN RESERVES

	IBNR/RBNP reserve		Contingency reserve	
	2018	2017	2018	2017
Balance as of July 1	\$ 3,203	\$ 2,500	\$ 1,723	\$ 1,547
Balance as of June 30	3,275	3,203	1,863	1,723
Net change	\$ 72	\$ 703	\$ 140	\$ 176

13. CONTINGENT LIABILITIES

The University is a defendant in various legal actions, some for substantial monetary amounts, that arise out of the normal course of its operations. Although the final outcome of the actions cannot be foreseen, the University's administration is of the opinion that eventual liability, if any, will not have a material effect on the University's financial position.

14. SUBSEQUENT EVENTS

In August 2018, the University issued \$150 million taxable 30-year fixed-rate debt to finance capital projects. Based on the University's evaluation of subsequent events through November 1, 2018, the date on which the consolidated financial statements were issued, there were no other events with material impact on the University's consolidated financial statements.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Student Financial Assistance Cluster								
Department of Education								
Federal Work-Study Program	84.033		\$ 3,346,882	\$ -			3,346,882	-
Federal Supplemental Educational Opportunity Grants	84.007		2,699,856	-			2,699,856	-
Federal Perkins Loan Program - New Loans Issued in 2018	84.038		750,494	-			750,494	-
Federal Perkins Loan Program - Administrative Cost Allowance	84.038		345,000	-			345,000	-
Federal Perkins Loan Program - Outstanding Loans as of July 1, 2017	84.038		43,944,885	-			43,944,885	-
Federal Pell Grant Program	84.063		11,438,921	-			11,438,921	-
Federal Direct Student Loans-PLUS	84.268		53,869,954	-			53,869,954	-
Federal Direct Student Loans-Subsidized	84.268		15,096,243	-			15,096,243	-
Federal Direct Student Loans-Unsubsidized	84.268		46,895,250	-			46,895,250	-
Department of Education Total			<u>178,387,485</u>	<u>-</u>			<u>178,387,485</u>	<u>-</u>
Department of Health and Human Services								
Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students - New Loans Issued in 2018	93.342		729,247	-			729,247	-
Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students - Outstanding Loans as of July 1, 2017	93.342		5,176,147	-			5,176,147	-
Department of Health and Human Services Total			<u>5,905,394</u>	<u>-</u>			<u>5,905,394</u>	<u>-</u>
Student Financial Assistance Cluster Total			<u>184,292,879</u>	<u>-</u>			<u>184,292,879</u>	<u>-</u>
Research & Development Cluster								
Department of Agriculture								
National Institute of Food and Agriculture, Other	10.RD	83846	-	8	University Of Minnesota	83846	8	-
Agriculture Marketing Service, Other	10.RD	SCB15066	-	153,546	Center For Produce Safety	SCB15066	153,546	-
Agriculture Marketing Service, Other	10.RD	SCG 16 010	-	46,035	New York Farm Viability Institute	SCG 16 010	46,035	5,401
Agricultural Marketing Service								
Federal-State Marketing Improvement Program	10.156		22,956	-			22,956	-
Inspection Grading and Standardization	10.162		526,394	-			526,394	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	147,969	Center For Produce Safety	16-SCBGP-CA-0035	147,969	65,270
Specialty Crop Block Grant Program - Farm Bill	10.170		-	52,333	Center For Produce Safety	USDA-AMS-TM-SCBGP-G-17-003	52,333	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	116,444	New York Farm Viability Institute	AM170100XXXXG006	116,444	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	21,638	New York Farm Viability Institute	SCB 15 003	21,638	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	54,751	New York Farm Viability Institute	SCG 15 002	54,751	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	36,048	New York Farm Viability Institute	SCG 15 012	36,048	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	32,509	New York Farm Viability Institute	SCG 15 015	32,509	4,532
Specialty Crop Block Grant Program - Farm Bill	10.170		-	35,748	New York Farm Viability Institute	SCG 15 020	35,748	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	40,570	New York Farm Viability Institute	SCG 16 004	40,570	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	70,866	New York Farm Viability Institute	SCG 16 008	70,866	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	34,684	New York Farm Viability Institute	SCG 16 011	34,684	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	23,467	New York Farm Viability Institute	SCG 16 012	23,467	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	71,967	NYS Dept of Ag & Markets	14-SCBGP-NY-0036	71,967	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	60,260	NYS Dept of Ag & Markets	16SCBGPNY0030	60,260	-
Specialty Crop Block Grant Program - Farm Bill	10.170		-	219,416	NYS Dept of Ag & Markets	16-SCCM-NY-0002	219,416	46,297
Agricultural Marketing Service Subtotal			<u>549,350</u>	<u>1,018,670</u>			<u>1,568,020</u>	<u>116,099</u>

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
<i>Agricultural Research Service</i>								
Agricultural Research Basic and Applied Research	10.001		3,029,492	-		-	3,029,492	-
Agricultural Research Basic and Applied Research	10.001		-	14,855	U.S. Highbush Blueberry Council	78936	14,855	-
<i>Agricultural Research Service Subtotal</i>			<u>3,029,492</u>	<u>14,855</u>			<u>3,044,347</u>	<u>-</u>
<i>Animal and Plant Health Inspection Service</i>								
Plant and Animal Disease, Pest Control, and Animal Care	10.025		587,940	-		-	587,940	45
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	100,481	American Public Gardens Association	16-8100-1519-CA	100,481	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	763,055	NYS Dept of Ag & Markets	16-8236-0245-CA	763,055	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	15,722	NYS Dept of Ag & Markets	16-8236-0857-CA	15,722	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	62,185	NYS Dept of Ag & Markets	AP17PPQFO000C460	62,185	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	3,426	Rutgers, The State University of New Jersey	1681300270CA	3,426	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	4,066	Rutgers, The State University of New Jersey	16-8130-0274-CA	4,066	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	7,991	Virginia Polytechnic Institute & State University	AP17PPQS&T00C094	7,991	-
<i>Animal and Plant Health Inspection Service Subtotal</i>			<u>587,940</u>	<u>956,926</u>			<u>1,544,866</u>	<u>45</u>
<i>Economic Research Service</i>								
Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations	10.250		50,839	-		-	50,839	-
Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations	10.250		-	23,335	University of Delaware	59-6000-4-0064	23,335	-
Consumer Data and Nutrition Research	10.253		948,333	-		-	948,333	63,929
Consumer Data and Nutrition Research	10.253		-	7,474	Duke University	59-5000-4-0062	7,474	-
<i>Economic Research Service Subtotal</i>			<u>999,172</u>	<u>30,809</u>			<u>1,029,981</u>	<u>63,929</u>
<i>Foreign Agricultural Service</i>								
Norman E. Borlaug International Agricultural Science and Technology Fellowship	10.777		33,647	-		-	33,647	-
<i>Foreign Agricultural Service Subtotal</i>			<u>33,647</u>	<u>-</u>			<u>33,647</u>	<u>-</u>
<i>Forest Service</i>								
Forestry Research	10.652		52,589	-		-	52,589	-
Forest Health Protection	10.680		97,526	-		-	97,526	375
Forest Health Protection	10.680		-	14,574	The Gypsy Moth Slow The Spread Foundation Inc.	15-DG-11420004-034-4	14,574	-
National Fish and Wildlife Foundation	10.683		-	28,136	National Fish And Wildlife Foundation	15-CA-11132422-241	28,136	-
Partnership Agreements	10.699		14,250	-		-	14,250	-
<i>Forest Service Subtotal</i>			<u>164,365</u>	<u>42,710</u>			<u>207,075</u>	<u>375</u>
<i>National Institute of Food and Agriculture</i>								
Grants for Agricultural Research, Special Research Grants	10.200		235,337	-		-	235,337	23,260
Grants for Agricultural Research, Special Research Grants	10.200		-	420	Colorado State University	1499-UVMRP	420	-
Grants for Agricultural Research, Special Research Grants	10.200		-	688	University Of Maine	2015-34141-23964	688	-
Grants for Agricultural Research, Special Research Grants	10.200		-	119,589	University Of Maine	2016-34141-25708	119,589	-
Grants for Agricultural Research, Special Research Grants	10.200		-	45,532	University Of Maryland College Park	2016-38500-25754	45,532	-
Cooperative Forestry Research	10.202		205,987	-		-	205,987	-
Payments to Agricultural Experiment Stations Under the Hatch Act	10.203		7,222,468	-		-	7,222,468	-
Animal Health and Disease Research	10.207		118,899	-		-	118,899	-
Higher Education - Graduate Fellowships Grant Program	10.210		108	-		-	108	-
Small Business Innovation Research	10.212		125	-		-	125	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Small Business Innovation Research	10.212		-	22,134	Florapulse Co.	2017-33610-26741	22,134	-
Small Business Innovation Research	10.212		-	55,028	I2 Air Fluid Innovations	72938	55,028	-
Small Business Innovation Research	10.212		-	19,992	Zymtronix Catalytic Systems, Inc.	2017-33610-26746	19,992	-
Sustainable Agriculture Research and Education	10.215		-	3,023	Farmers Market Federation Of New York	84877	3,023	-
Sustainable Agriculture Research and Education	10.215		-	44,529	University Of Maryland College Park	2015-38640-23777	44,529	-
Sustainable Agriculture Research and Education	10.215		-	2,814	University Of Maryland College Park	LNE18-366-32231/2017-38640-2	2,814	-
Sustainable Agriculture Research and Education	10.215		-	2,908	University Of Vermont	2013-38640-20895	2,908	-
Sustainable Agriculture Research and Education	10.215		-	28,077	University Of Vermont	2014-38640-22161	28,077	-
Sustainable Agriculture Research and Education	10.215		-	43,657	University Of Vermont	2015-38640-23777	43,657	-
Sustainable Agriculture Research and Education	10.215		-	95,346	University Of Vermont	2016-38640-25380	95,346	-
Higher Education - Institution Challenge Grants Program	10.217		303,020	-			303,020	49,184
Biotechnology Risk Assessment Research	10.219		94,623	-			94,623	-
Higher Education - Multicultural Scholars Grant Program	10.220		(22,175)	-			(22,175)	-
Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants	10.226		35,860	-			35,860	30,160
Integrated Programs	10.303		264,064	-			264,064	46,539
Homeland Security Agricultural	10.304		531,820	-			531,820	225,832
Organic Agriculture Research and Extension Initiative	10.307		1,343,356	-			1,343,356	596,316
Organic Agriculture Research and Extension Initiative	10.307		-	84,451	Oregon State University	2014-51300-22223	84,451	-
Organic Agriculture Research and Extension Initiative	10.307		-	58,877	Oregon State University	2017-51300-26809	58,877	-
Organic Agriculture Research and Extension Initiative	10.307		-	47,096	Washington State University	2015-51300-24155	47,096	-
Organic Agriculture Research and Extension Initiative	10.307		-	28,840	West Virginia University Research Corporation	2012-51300-20320	28,840	-
Specialty Crop Research Initiative	10.309		5,238,171	-			5,238,171	2,953,658
Specialty Crop Research Initiative	10.309		-	13,230	Michigan State University	2014-51181-22380	13,230	-
Specialty Crop Research Initiative	10.309		-	32,138	Michigan State University	2014-51181-23378	32,138	-
Specialty Crop Research Initiative	10.309		-	91,057	Michigan State University	2015-51181-24285	91,057	-
Specialty Crop Research Initiative	10.309		-	196,992	North Carolina State University	2015-51181-24252	196,992	-
Specialty Crop Research Initiative	10.309		-	155,386	North Carolina State University	2016-51181-25409	155,386	-
Specialty Crop Research Initiative	10.309		-	83,953	University Of California Riverside	2017-70016-26053	83,953	-
Specialty Crop Research Initiative	10.309		-	33,425	University Of Florida	2014-51181-22377	33,425	-
Specialty Crop Research Initiative	10.309		-	88,971	University Of Florida	2015-51181-24312	88,971	-
Specialty Crop Research Initiative	10.309		-	74,712	Washington State University	2014-51181-22381	74,712	18,341
Agriculture and Food Research Initiative (AFRI)	10.310		8,214,150	-			8,214,150	1,256,391
Agriculture and Food Research Initiative (AFRI)	10.310		-	17,235	Archbold Expeditions	2016-67019-24988	17,235	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	39,935	Arizona State University	2016-67023-24809	39,935	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	53,875	Boyce Thompson Institute	2015-67013-23281	53,875	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	29,200	Colorado State University	2013-68004-25322	29,200	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	98,425	Michigan State University	2016-68004-24931	98,425	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	3,976	Montana State Univ	2015-68006-22850	3,976	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	12,544	Ohio State University	2014-67013-22410	12,544	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	5,557	Pennsylvania State Univ	2011-68004-30057	5,557	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Agriculture and Food Research Initiative (AFRI)	10.310		-	16,773	Pennsylvania State Univ	2012-68005-19703	16,773	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	32,173	Pennsylvania State Univ	2014-67019-21636	32,173	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	5,576	Pennsylvania State Univ	2015-87015-23177	5,576	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	65,115	Pennsylvania State Univ	2017-67013-26258	65,115	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	28,330	Pennsylvania State Univ	2018-67023-27646	28,330	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	327,943	Rockefeller University	2016-67015-24765	327,943	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	38,950	Texas A&M University	2016-67015-24923	38,950	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	7,774	Texas A&M University	2016-68003-24607	7,774	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	47,557	Tufts University	2016-68006-24744	47,557	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	97,335	U Of Georgia Research Foundation	2016-67013-24608	97,335	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	78,130	University Of Buffalo	2016-68003-24601	78,130	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	23,246	University Of California Davis	2012-68004-20166	23,246	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	5,193	University Of California Davis	2016-67023-24902	5,193	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	129,870	University Of California Davis	2017-67007-25939	129,870	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	27,271	University Of California, San Diego	2015-67013-23006	27,271	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	4,971	University Of Idaho	2015-69004-23634	4,971	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	139,328	University Of Massachusetts Amherst	2013-67017-21273	139,328	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	9,512	University Of Massachusetts Amherst	2015-68006-23110	9,512	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	109,140	University Of Missouri	2016-57019-25278	109,140	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	10,127	University Of Nebraska	2013-67015-21239	10,127	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	46,041	University Of New Hampshire	2013-67014-21318	46,041	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	18,383	University Of Notre Dame	2015-67013-23289	18,383	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	92,231	University Of Wisconsin Madison	2013-68002-20525	92,231	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	19,979	University Of Wyoming	2011-68004-30074	19,979	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	99,617	Virginia Polytechnic Institute & State University	2015-67003-23485	99,617	-
Beginning Farmer and Rancher Development Program	10.311		321,721	-	-	-	321,721	28,000
Farm Business Management and Benchmarking Competitive Grants Program	10.319		64,465	-	-	-	64,465	23,936
Farm Business Management and Benchmarking Competitive Grants Program	10.319		-	1,814	Ohio State University	2.01739E+13	1,814	-
Sun Grant Program	10.320		-	132,411	Pennsylvania State Univ	2014-38502-22598	132,411	-
National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328		4,089	-	-	-	4,089	2,863
Crop Protection and Pest Management Competitive Grants Program	10.329		322,261	-	-	-	322,261	49,935
Crop Protection and Pest Management Competitive Grants Program	10.329		-	35,371	Rutgers, The State University of New Jersey	2015-70006-24152	35,371	-
Crop Protection and Pest Management Competitive Grants Program	10.329		-	3,438	University Of Florida	2015-70006-24165	3,438	-
Crop Protection and Pest Management Competitive Grants Program	10.329		-	10,681	University Of Maryland College Park	2015-70006-24277	10,681	-
Crop Protection and Pest Management Competitive Grants Program	10.329		-	2,568	University Of Vermont	2014-70006-22484	2,568	-
Crop Protection and Pest Management Competitive Grants Program	10.329		-	21,835	University Of Vermont	2016-70006-25830	21,835	-
Alfalfa and Forage Research Program	10.330		21,379	-	-	-	21,379	17,488
Alfalfa and Forage Research Program	10.330		-	10,384	University Of California Davis	2014-70005-22552	10,384	-
Cooperative Extension Service	10.500		391,674	-	-	-	391,674	9,919
National Institute of Food and Agriculture Subtotal			24,911,402	3,432,679			28,344,081	5,331,822

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Natural Resources Conservation Service								
Soil and Water Conservation	10.902		-	49,045	IUP Research Institute	68-3A75-17-337	49,045	-
Soil and Water Conservation	10.902		-	3,074	IUP Research Institute	68-7482-15-501	3,074	-
Soil Survey	10.903		42,622	-	-	-	42,622	-
Environmental Quality Incentives Program	10.912		362,168	-	-	-	362,168	74,146
Environmental Quality Incentives Program	10.912		-	35,360	Pennsylvania State Univ	69-2D37-18-007	35,360	-
Natural Resources Conservation Service Subtotal			404,790	87,479			492,269	74,146
Departmental Management								
Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers	10.443		-	7,020	Center For Transformative Action	AO172501X443G007	7,020	-
The Office of the Chief Economist								
Agricultural Market and Economic Research	10.290		49,284	-	-	-	49,284	-
Department of Agriculture Total			30,729,442	5,790,737			36,520,179	5,591,817
Department of Commerce								
Department of Commerce, Other	11.RD	83864	-	1,657	New York Sea Grant Institute, Stony Brook	83864	1,657	-
Department of Commerce, Other	11.RD	83872	-	18,064	New York Sea Grant Institute, Stony Brook	83872	18,064	-
National Institute of Standards and Technology (NIST)								
Measurement and Engineering Research and Standards	11.609		663,220	-	-	-	663,220	-
National Oceanic and Atmospheric Administration (NOAA)								
Sea Grant Support	11.417		-	258,843	New York Sea Grant Institute, Stony Brook	NA14OAR4170069	258,843	-
Sea Grant Support	11.417		-	73,202	Woods Hole Oceanographic Institute	NA14OAR4170074	73,202	-
Climate and Atmospheric Research	11.431		80,512	-	-	-	80,512	-
Climate and Atmospheric Research	11.431		-	10,866	Columbia University	NA15OAR4310147	10,866	-
National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432		-	20,568	Woods Hole Oceanographic Institute	NA14OAR4320158	20,568	-
National Oceanic and Atmospheric Administration (NOAA) Subtotal			80,512	363,479			443,991	-
Department of Commerce Total			743,732	383,200			1,126,932	-
Department of Defense								
Advanced Research Projects Agency, Other	12.RD	HR001118C0014	230,843	-	-	-	230,843	-
Department of Defense, Other	12.RD	87073	64	-	-	-	64	-
Department of Defense, Other	12.RD	20174-17042800006	-	268,167	University Of Memphis	20174-17042800006	268,167	-
Department of Defense, Other	12.RD	D16PC00003	-	489,476	Baylor College Of Medicine	D16PC00003	489,476	-
Department of Defense, Other	12.RD	FA8650-14-C-7402	-	58,530	Honeywell Inc	FA8650-14-C-7402	58,530	-
Department of Defense, Other	12.RD	FA8651-16-D-0311	-	93,071	University Of Dayton	FA8651-16-D-0311	93,071	-
Department of Defense, Other	12.RD	FA8702-15-D-0001	-	159,482	Lincoln Lab, Mit	FA8702-15-D-0001	159,482	-
Department of Defense, Other	12.RD	GSO4TO9DBCOO 17	-	14,775	Engility LLC	GSO4TO9DBCOO 17	14,775	-
Department of Defense, Other	12.RD	HDTRA1-13-C-0003	-	219,102	Flir Systems	HDTRA1-13-C-0003	219,102	-
Department of Defense, Other	12.RD	HR0011-18-C0049	-	57,944	Applied Physics Laboratory	HR0011-18-C0049	57,944	-
Department of Defense, Other	12.RD	N66001-12-C-2009	793,203	-	-	-	793,203	-
Department of Defense, Other	12.RD	N6833518C0217	-	7,074	Weidlinger Technology Ventures Llc	N6833518C0217	7,074	-
Department of Defense, Other	12.RD	W15QKN17C0005	-	55,221	Lionano Inc.	W15QKN17C0005	55,221	-
Department of Defense, Other	12.RD	W81XWH-17-C-0176	-	2,390	Vitascan Technologies Inc.	W81XWH-17-C-0176	2,390	-

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Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Department of Defense, Other	12.RD	W911NF-09-2-0053	-	115,346	Raytheon Company	W911NF-09-2-0053	115,346	-
Department of Defense, Other	12.RD	W911NF-14-C-0089	-	275,386	Raytheon Company	W911NF-14-C-0089	275,386	-
Department of Defense, Other	12.RD	W911NF-14-C-0113	-	(165,000)	Applied Optronics	W911NF-14-C-0113	(165,000)	-
Department of Defense, Other	12.RD	W911NF-15-C-0236	-	115,458	International Business Machines	W911NF-15-C-0236	115,458	-
Department of Defense, Other	12.RD	W911QY-15-C-0026	-	133,619	University Of California, Santa Barbara	W911QY-15-C-0026	133,619	-
Department of Defense, Other	12.RD	W912HQ-12-C-0073	-	(914)	University Of Notre Dame	W912HQ-12-C-0073	(914)	-
Department of Defense, Other	12.RD	W912HQ18C0052	21,703	-	-	-	21,703	-
Advanced Research Projects Agency								
Research and Technology Development	12.910		1,948,435	-	-	-	1,948,435	91,340
Research and Technology Development	12.910		-	2,671	Princeton University	FA8650-18-2-7852	2,671	-
Research and Technology Development	12.910		-	10,320	Raytheon Company	HR0011-14-C-0009	10,320	-
Research and Technology Development	12.910		-	111,998	Sydr Instruments	HDTRA118C0002	111,998	-
Research and Technology Development	12.910		-	132,162	Teledyne Scientific And Imaging, Llc	FA8650-18-C-7807	132,162	-
Research and Technology Development	12.910		-	50,000	UES Inc.	FA8650-16-D-5403	50,000	-
Research and Technology Development	12.910		-	82,358	University Of California Berkeley	N66001-15-C-4066	82,358	-
Research and Technology Development	12.910		-	22,680	University Of California, San Diego	HR0011-16-C-0037	22,680	-
Research and Technology Development	12.910		-	10,794	University Of Chicago	HR0011-18-2-0024	10,794	-
Research and Technology Development	12.910		-	72,742	University Of Illinois At Urbana-Champaign	2013-MA-2385	72,742	-
Research and Technology Development	12.910		-	48,425	University Of Notre Dame	2013-MA-2383	48,425	-
Research and Technology Development	12.910		-	3,703	Virginia Polytechnic Institute & State University	D17AC00003	3,703	-
Advanced Research Projects Agency Subtotal			1,948,435	547,853			2,496,288	91,340
Defense Threat Reduction Agency								
Scientific Research - Combating Weapons of Mass Destruction	12.351		-	455,885	Northwestern University	HDTRA1-15-1-0052	455,885	-
Scientific Research - Combating Weapons of Mass Destruction	12.351		-	44,230	University Of Maryland College Park	HDTRA1-13-1-0037	44,230	-
Defense Threat Reduction Agency Subtotal			-	500,115			500,115	-
Department of the Air Force, Materiel Command								
Air Force Defense Research Sciences Program	12.800		5,571,215	-	-	-	5,571,215	913,406
Air Force Defense Research Sciences Program	12.800		-	46,892	Emory University	FA9550-18-1-0420	46,892	-
Air Force Defense Research Sciences Program	12.800		-	83,729	California Institute Of Technology	FA9550-18-1-0095	83,729	-
Air Force Defense Research Sciences Program	12.800		-	291,517	Massachusetts Institute Of Technology	FA9550-15-1-0038	291,517	-
Air Force Defense Research Sciences Program	12.800		-	62,474	Princeton University	FA9550-16-1-0046	62,474	-
Air Force Defense Research Sciences Program	12.800		-	17,762	University Of Texas At Austin	FA9550-15-1-0075	17,762	-
Department of the Air Force, Materiel Command Subtotal			5,571,215	502,374			6,073,589	913,406
Department of the Army, Office of the Chief of Engineers								
Aquatic Plant Control	12.100		-	70,635	University Of Hawaii	W912HQ-14-C-0017	70,635	-
Department of the Navy, Office of the Chief of Naval Research								
Basic and Applied Scientific Research	12.300		7,581,012	-	-	-	7,581,012	2,153,655
Basic and Applied Scientific Research	12.300		-	57,198	Duke University	N00014-13-1-0561	57,198	-
Basic and Applied Scientific Research	12.300		-	(34,943)	Georgia State University	N00014-13-1-0649	(34,943)	-
Basic and Applied Scientific Research	12.300		-	201,702	Georgia State University	N00014-17-1-2588	201,702	-
Basic and Applied Scientific Research	12.300		-	22,616	International Personnel Protection Inc.	41756-16-C-4511	22,616	-

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Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Basic and Applied Scientific Research	12.300		-	8,943	New York University	FA8750-14-2-0236	8,943	-
Basic and Applied Scientific Research	12.300		-	34,207	Oregon State University	N00014-15-1-2297	34,207	-
Basic and Applied Scientific Research	12.300		-	61,780	San Diego State University Research Foundation	N00014-17-1-2867	61,780	-
Basic and Applied Scientific Research	12.300		-	182,011	Stanford University	N00014-14-1-0551	182,011	-
Basic and Applied Scientific Research	12.300		-	16,979	University Of California, Santa Barbara	N00014-16-1-2233	16,979	-
Basic and Applied Scientific Research	12.300		-	180,014	University Of California, Santa Barbara	N00014-16-1-2982	180,014	-
Basic and Applied Scientific Research	12.300		-	23,938	Brain Trauma Foundation	BTW W911QY-12-C-0005	23,938	-
Basic and Applied Scientific Research	12.300		-	74,658	University Of Notre Dame	N00014-16-1-2686	74,658	-
Basic and Applied Scientific Research	12.300		-	38,911	University Of St. Andrews	N00014-15-1-2142	38,911	-
Department of the Navy, Office of the Chief of Naval Research Subtotal			7,581,012	868,014			8,449,026	2,153,655
National Security Agency								
Mathematical Sciences Grants	12.901		25,195	-			25,195	-
Office of the Secretary of Defense								
Basic, Applied, and Advanced Research in Science and Engineering	12.630		508,184	-			508,184	-
U.S. Army Materiel Command								
Basic Scientific Research	12.431		4,596,533	-			4,596,533	1,761,159
Basic Scientific Research	12.431		-	30,895	Georgia Institute Of Technology	W911NF-15-1-0609	30,895	-
Basic Scientific Research	12.431		-	(68,700)	Tufts University	W911F-16-1-0095	(68,700)	-
Basic Scientific Research	12.431		-	220,276	University Of Chicago	W911NF-14-1-0003	220,276	-
Basic Scientific Research	12.431		-	129,344	University Of Pennsylvania	W911NF-12-1-0509	129,344	-
U.S. Army Materiel Command Subtotal			4,596,533	311,815			4,908,348	1,761,159
U.S. Army Medical Command								
Military Medical Research and Development	12.420		7,568,800	-			7,568,800	371,330
Military Medical Research and Development	12.420		-	42,244	Duke University	W81XWH-17-1-0372-CA1	42,244	-
Military Medical Research and Development	12.420		-	11,222	Memorial Sloan Kettering Cancer Center	W81XWH-16-1-0315-01C	11,222	-
Military Medical Research and Development	12.420		-	20,601	New York University	NYU W81XWH15-2-0036	20,601	-
Military Medical Research and Development	12.420		-	105,057	New York University	W81WXH15-2-0036	105,057	-
Military Medical Research and Development	12.420		-	11,017	University Of Michigan	UMich W81XWH-14-1-04	11,017	-
Military Medical Research and Development	12.420		-	13	University Of Southern California	USC WEI1675-1915(LIN	13	-
Military Medical Research and Development	12.420		-	2,643	Memorial Sloan-Kettering Cancer Center	W81XWH-13-1-0199	2,643	-
Military Medical Research and Development	12.420		-	4,515	Cedars Sinai Medical Center	W81XWH-16-1-0397	4,515	-
Military Medical Research and Development	12.420		-	119,988	University Of Alabama - Birmingham	UAB W81XWH-15-1-0705	119,988	31,571
Military Medical Research and Development	12.420		-	418,463	Harvard School Of Public Health	W81XWH-17-PRMRP-FPA	418,463	-
Military Medical Research and Development	12.420		-	23,794	Massachusetts Eye And Ear Infirmary	MEEI #W81XWH-12-2-01	23,794	-
Military Medical Research and Development	12.420		-	(5,156)	University Of California, San Diego	UCSD #W81XWH-12-2-00	(5,156)	-
Military Medical Research and Development	12.420		-	26,257	University Of Vermont & State Agricultural College	UV W81XWH-14-1-0199C	26,257	-
U.S. Army Medical Command Subtotal			7,568,800	780,658			8,349,458	402,901
Uniformed Services University Of The Health Sciences								
Uniformed Services University Medical Research Projects	12.750		-	22,817	Henry M. Jackson Foundation	HU0001-15-2-0024	22,817	-
Department of Defense Total			28,845,187	5,503,408			34,348,595	5,322,461
Department of the Interior								
Department of the Interior, Other	15.RD	D17PC00287	-	7,201	General Electric Global Research	D17PC00287	7,201	-

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Schedule of Expenditures of Federal Awards

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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Bureau of Ocean Energy Management								
Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423		184,750	-	-	-	184,750	-
Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)	15.423		-	398,926	University Of Maryland Center For Environmental Science	14-17-2241BOEM	398,926	-
Bureau of Ocean Energy Management Subtotal			184,750	398,926			583,676	-
Fish and Wildlife Service								
African Elephant Conservation Fund	15.620		45,231	-	-	-	45,231	-
Cooperative Ecosystem Studies Units	15.678		23,500	-	-	-	23,500	-
Fish and Wildlife Service Subtotal			68,731	-			68,731	-
National Park Service								
Cooperative Research and Training Programs, Resources of the National Park System	15.945		155,748	-	-	-	155,748	-
U.S. Geological Survey								
Assistance to State Water Resources Research Institutes	15.805		95,606	-	-	-	95,606	43,896
Earthquake Hazards Program Assistance	15.807		108,517	-	-	-	108,517	-
U.S. Geological Survey Research and Data Collection	15.808		63,775	-	-	-	63,775	-
Cooperative Research Units	15.812		121,630	-	-	-	121,630	-
National Climate Change and Wildlife Science Center	15.820		278,095	-	-	-	278,095	165,343
U.S. Geological Survey Subtotal			667,623	-			667,623	209,239
Department of the Interior Total			1,076,852	406,127			1,482,979	209,239
Department of Justice								
Bureau of Justice Statistics, Other	16.RD	2014-BJ-CX-K043	44,992	-	-	-	44,992	-
National Institute Of Justice								
National Institute of Justice Research, Evaluation, and Development Project Grants	16.560		86,465	-	-	-	86,465	-
Department of Justice Total			131,457	-			131,457	-
Department of Labor								
Departmental Management								
Department of Labor Chief Evaluation Office	17.791		215,637	-	-	-	215,637	-
Department of Transportation								
Office of the Secretary (OST) Administration Secretariate								
University Transportation Centers Program	20.701		742,454	-	-	-	742,454	304,523
University Transportation Centers Program	20.701		-	14,532	City University Of New York	C030794 & DTRT13-G-UTC32	14,532	-
University Transportation Centers Program	20.701		-	38,946	City University Of New York	DTRT13-G-UTC32	38,946	-
Office of the Secretary (OST) Administration Secretariate Subtotal			742,454	53,478			795,932	304,523
Federal Highway Administration (FHWA)								
Highway Training and Education	20.215		4,047	-	-	-	4,047	-
Department of Transportation Total			746,501	53,478			799,979	304,523
National Aeronautics and Space Administration								
National Aeronautics and Space Administration, Other	43.RD	1525402	-	42,763	Jet Propulsion Laboratory	1525402	42,763	-
National Aeronautics and Space Administration, Other	43.RD	1536803	-	23,809	Jet Propulsion Laboratory	1536803	23,809	-
National Aeronautics and Space Administration, Other	43.RD	1565245	-	57,962	Jet Propulsion Laboratory	1565245	57,962	-
National Aeronautics and Space Administration, Other	43.RD	1530822	-	66,632	Applied Physics Laboratory	1530822	66,632	-
National Aeronautics and Space Administration, Other	43.RD	80MSFC18C0034	133,818	-	-	-	133,818	64,980

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
National Aeronautics and Space Administration, Other	43.RD	NAS5-26555	-	16,843	Space Telescope Science Inst.	NAS5-26555	16,843	-
National Aeronautics and Space Administration, Other	43.RD	NAS7-03001	-	(736)	Jet Propulsion Laboratory	NAS7-03001	(736)	-
National Aeronautics and Space Administration, Other	43.RD	NM0710846	-	28,406	Jet Propulsion Laboratory	NM0710846	28,406	-
National Aeronautics and Space Administration, Other	43.RD	NM0711123	-	886,710	Jet Propulsion Laboratory	NM0711123	886,710	98,488
National Aeronautics and Space Administration, Other	43.RD	NM071112312	-	258,088	Jet Propulsion Laboratory	NM071112312	258,088	-
National Aeronautics and Space Administration, Other	43.RD	NM0710846	-	153,237	Malin Space Science Systems	NM0710846	153,237	-
National Aeronautics and Space Administration, Other	43.RD	NM0711043	-	(428)	Jet Propulsion Laboratory	NM0711043	(428)	-
National Aeronautics and Space Administration, Other	43.RD	NNG07EK00C	-	5,171	Arizona State University	NNG07EK00C	5,171	-
National Aeronautics and Space Administration, Other	43.RD	NNG17FC90C	813,332	-	-	-	813,332	-
National Aeronautics and Space Administration, Other	43.RD	NNN12AA01C	-	1,406,805	Jet Propulsion Laboratory	NNN12AA01C	1,406,805	624,600
National Aeronautics and Space Administration, Other	43.RD	NNN13D496T	-	70,173	Arizona State University	NNN13D496T	70,173	-
Science	43.001		4,126,507	-	-	-	4,126,507	714,985
Science	43.001		-	15,826	Applied Physics Laboratory	NNX15AM57G	15,826	-
Science	43.001		-	56,563	Dartmouth College	NNX14AH07G	56,563	-
Science	43.001		-	72,795	Gats Inc.	NNX14AN51G	72,795	-
Science	43.001		-	19,336	Malin Space Science Systems	16-0693	19,336	-
Science	43.001		-	11,091	Smithsonian Astrophysical Observatory	NAS8-03060	11,091	-
Science	43.001		-	48,498	Southwest Research Institute	NNM06AA75C	48,498	-
Science	43.001		-	142	Texas A&M University	NNX14AD52G	142	-
Science	43.001		-	15,277	Universities Space Research Assoc	NNA17BF53C	15,277	-
Science	43.001		-	5,662	Universities Space Research Assoc	NNX13AQ46G/NNX12AF24G	5,662	-
Science	43.001		-	6,797	University Of Central Florida	NNX17AB62G	6,797	-
Science	43.001		-	14,449	University Of Nevada, Las Vegas	80NSSC17K0477	14,449	-
Aeronautics	43.002		338,175	-	-	-	338,175	-
Exploration	43.003		85,303	-	-	-	85,303	17,907
Space Operations	43.007		83,278	-	-	-	83,278	-
Education	43.008		896,864	-	-	-	896,864	398,623
Education	43.008		-	23,092	Sciencenter	NNX16AM22G	23,092	-
Education	43.008		-	18,405	Jet Propulsion Laboratory California Institute Of Technology	NASA 1588230	18,405	-
Cross Agency Support	43.009		12,209	-	-	-	12,209	-
Space Technology	43.012		601,143	-	-	-	601,143	-
Space Technology	43.012		-	766	University Of Louisville	NNX16AC59G	766	-
National Aeronautics and Space Administration Total			7,090,629	3,324,134			10,414,763	1,919,583
National Science Foundation								
National Science Foundation, Other	47.RD	84959	7,004	-	-	-	7,004	-
Engineering Grants	47.041		11,260,547	-	-	-	11,260,547	450,410
Engineering Grants	47.041		-	181,528	Columbia University	EFMA-1641100	181,528	-
Engineering Grants	47.041		-	87,976	Dimensional Energy, Inc.	1720824	87,976	-
Engineering Grants	47.041		-	27,155	Florapulse Co.	1721708	27,155	-
Engineering Grants	47.041		-	(2,458)	Norfolk State University	DGE-0986188	(2,458)	-

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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Engineering Grants	47.041		-	118,374	University Of California, Los Angeles	EEC-1160504	118,374	-
Engineering Grants	47.041		-	98,487	University Of Delaware	1331269	98,487	-
Engineering Grants	47.041		-	163,315	University Of Notre Dame	EFRI-1433490	163,315	-
Engineering Grants	47.041		-	66,947	University Of Pennsylvania	EFRI-1331583	66,947	-
Mathematical and Physical Sciences	47.049		45,631,229	-	-	-	45,631,229	2,840,263
Mathematical and Physical Sciences	47.049		-	21,346	Howard University	DMR-1205608	21,346	-
Mathematical and Physical Sciences	47.049		-	26,506	Johns Hopkins University	PHY-1419008	26,506	-
Mathematical and Physical Sciences	47.049		-	27,726	Natl Radio Astronomy Observ	AST-0836064	27,726	21,195
Mathematical and Physical Sciences	47.049		-	17,959	Natl Radio Astronomy Observ	AST-1519126	17,959	-
Mathematical and Physical Sciences	47.049		-	144,094	Pennsylvania State Univ	DMR-1420620	144,094	-
Mathematical and Physical Sciences	47.049		-	87,619	Princeton University	AST-1440226	87,619	-
Mathematical and Physical Sciences	47.049		-	2,419,990	Princeton University	PHY-1624356	2,419,990	387,193
Mathematical and Physical Sciences	47.049		-	859,647	University Of Minnesota	CHE-1413862	859,647	-
Mathematical and Physical Sciences	47.049		-	1,363	University Of Nebraska	PHY-1343486	1,363	-
Mathematical and Physical Sciences	47.049		-	52,078	University Of Southern California	DMS-1748166	52,078	-
Mathematical and Physical Sciences	47.049		-	479,979	University Of Wisconsin Milwaukee	PHY-1430284	479,979	-
Geosciences	47.050		4,454,874	-	-	-	4,454,874	1,837,858
Geosciences	47.050		-	12,674	Boston University	OCE-1260424	12,674	-
Geosciences	47.050		-	43,502	City University Of New York	ICER-1615560	43,502	-
Geosciences	47.050		-	9,300	Columbia University	EAR-1110921	9,300	-
Geosciences	47.050		-	249,244	Pennsylvania State Univ	GEO-1240507	249,244	-
Geosciences	47.050		-	52,906	Stanford University	OCE-1434325	52,906	-
Computer and Information Science and Engineering	47.070		17,419,851	-	-	-	17,419,851	1,743,844
Computer and Information Science and Engineering	47.070		-	8,947	Arizona State University	1320065	8,947	-
Computer and Information Science and Engineering	47.070		-	17,350	Carnegie-Mellon University	1563887	17,350	-
Computer and Information Science and Engineering	47.070		-	4,971	Computing Research Association	1136966	4,971	-
Computer and Information Science and Engineering	47.070		-	45,473	Indiana University	ACI-1445604	45,473	-
Computer and Information Science and Engineering	47.070		-	(3,141)	Massachusetts Institute Of Technology	CCF-1231216	(3,141)	-
Computer and Information Science and Engineering	47.070		-	181,454	Stanford University	IIS-1139161	181,454	-
Computer and Information Science and Engineering	47.070		-	572,386	University Of Illinois At Urbana-Champaign	ACI-1548562	572,386	-
Computer and Information Science and Engineering	47.070		-	22,789	University Of Maryland College Park	1514261	22,789	-
Computer and Information Science and Engineering	47.070		-	68,604	University Of North Carolina Chapel Hill	1639268	68,604	-
Computer and Information Science and Engineering	47.070		-	120,309	University Of North Carolina Chapel Hill	CNS-1330599	120,309	-
Computer and Information Science and Engineering	47.070		-	204,369	University Of Texas At Austin	1663578	204,369	-
Computer and Information Science and Engineering	47.070		-	216,675	University Of Wisconsin Madison	CNS-1330308	216,675	-
Biological Sciences	47.074		17,596,816	-	-	-	17,596,816	4,965,031
Biological Sciences	47.074		-	113,141	Boyce Thompson Institute	1645256	113,141	-
Biological Sciences	47.074		-	44,011	Boyce Thompson Institute	IOS-1354421	44,011	-
Biological Sciences	47.074		-	161,979	Boyce Thompson Institute	IOS-1546625	161,979	-
Biological Sciences	47.074		-	52,004	Boyce Thompson Institute	IOS1653021	52,004	-
Biological Sciences	47.074		-	75,093	Cary Institute Of Ecosystem Studies	1637685	75,093	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Biological Sciences	47.074		-	201,952	Donald Danforth Plant Science Center	IOS-1546882	201,952	-
Biological Sciences	47.074		-	93,014	Kansas State University	1543958	93,014	-
Biological Sciences	47.074		-	54,854	Kansas State University	IOS-1238187	54,854	-
Biological Sciences	47.074		-	90,702	Michigan State University	IOS-1546657	90,702	-
Biological Sciences	47.074		-	101,845	Northwestern University	MCB-1650040	101,845	-
Biological Sciences	47.074		-	14,565	Syracuse University	DEB-1655840	14,565	-
Biological Sciences	47.074		-	18,656	University Of Arizona	IOS-1457092	18,656	-
Biological Sciences	47.074		-	220,786	University Of Buffalo	DBI1231306	220,786	-
Biological Sciences	47.074		-	293,985	University Of California, San Diego	1444507	293,985	-
Biological Sciences	47.074		-	19,187	University Of Delaware	1127076	19,187	-
Biological Sciences	47.074		-	85,953	University Of Missouri	IOS-1456047	85,953	-
Biological Sciences	47.074		-	815	University Of North Carolina Chapel Hill	IOS-1343020	815	-
Biological Sciences	47.074		-	44,264	University Of Wyoming	DEB-1457070	44,264	-
Biological Sciences	47.074		-	20,337	Woods Hole Research Center	EF-1638560	20,337	-
Social, Behavioral, and Economic Sciences	47.075		1,805,317	-	-	-	1,805,317	86,821
Social, Behavioral, and Economic Sciences	47.075		-	29,742	Chief Dull Knife College	BCS-1664462	29,742	-
Social, Behavioral, and Economic Sciences	47.075		-	21,115	George Washington University	CNS-1421373	21,115	-
Social, Behavioral, and Economic Sciences	47.075		-	77,325	University Of California Berkeley	1650589	77,325	-
Social, Behavioral, and Economic Sciences	47.075		-	32,043	University Of Georgia	1727802	32,043	-
Education and Human Resources	47.076		9,925,255	-	-	-	9,925,255	274,700
Education and Human Resources	47.076		-	7,799	Rochester Inst Of Technology	HRD-1127955	7,799	-
Education and Human Resources	47.076		-	79,429	Sciencenter	DRL-1610039	79,429	-
Education and Human Resources	47.076		-	98,425	Stanford University	DUE-1611482	98,425	-
Education and Human Resources	47.076		-	35,982	Syracuse University	1712733	35,982	-
Education and Human Resources	47.076		-	37,470	Syracuse University	HRD-1202480	37,470	-
Education and Human Resources	47.076		-	33,445	Tuskegee University	HRD-1137681	33,445	-
Education and Human Resources	47.076		-	4,906	University Of Maine	1322556	4,906	-
Education and Human Resources	47.076		-	21,368	University Of Rochester	HRD-1649228	21,368	-
Education and Human Resources	47.076		-	6,044	University Of Wisconsin Madison	DUE-1231286	6,044	-
Education and Human Resources	47.076		-	846	Western Kentucky University	DRL-1223908	846	-
Office of International Science and Engineering	47.079		101,079	-	-	-	101,079	-
Office of International Science and Engineering	47.079		-	15,853	CRDF Global	OISE-9531011	15,853	-
Office of Cyberinfrastructure	47.080		-	177,972	University Of Texas At Austin	OCI-1134872	177,972	-
National Science Foundation Total			108,201,972	9,094,350			117,296,322	12,607,315
Environmental Protection Agency								
<i>Office of Research and Development (ORD)</i>								
Science To Achieve Results (STAR) Fellowship Program	66.514		3,162	-	-	-	3,162	-
P3 Award: National Student Design Competition for Sustainability	66.516		22,189	-	-	-	22,189	-
<i>Office of Research and Development (ORD) Subtotal</i>			25,351	-			25,351	-
<i>Office of Water</i>								
Great Lakes Program	66.469		932,755	-	-	-	932,755	265,293

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Great Lakes Program	66.469		-	46,502	Minnesota Department Of Health	00E01283	46,502	-
Great Lakes Program	66.469		-	97,350	University Of Notre Dame	GL-00E02226	97,350	-
<i>Office of Water Subtotal</i>			<u>932,755</u>	<u>143,852</u>			<u>1,076,607</u>	<u>265,293</u>
Environmental Protection Agency Total			<u>958,106</u>	<u>143,852</u>			<u>1,101,958</u>	<u>265,293</u>
Department of Energy								
Department of Energy, Other	81.RD	65603	-	147,940	Arizona State University	65603	147,940	-
Department of Energy, Other	81.RD	83417	-	47,905	Woods Hole Oceanographic Institute	83417	47,905	-
Department of Energy, Other	81.RD	181649	35,988	-	-	-	35,988	-
Department of Energy, Other	81.RD	DE-AC02-05CH11231	-	55,299	Lawrence Berkeley National Laboratory	DE-AC02-05CH11231	55,299	-
Department of Energy, Other	81.RD	DE-AC02-07CH11359	-	114,554	Fermi National Accelerator Laboratory	DE-AC02-07CH11359	114,554	-
Department of Energy, Other	81.RD	DE-AC02-76SF00515	-	66,101	Slac National Accelerator Laboratory	DE-AC02-76SF00515	66,101	-
Department of Energy, Other	81.RD	DE-AC02-98CH10886	-	6,885,423	Brookhaven National Laboratory	DE-AC02-98CH10886	6,885,423	-
Department of Energy, Other	81.RD	DE-AC04-94AL85000	-	12,393	Sandia National Laboratory	DE-AC04-94AL85000	12,393	-
Department of Energy, Other	81.RD	DE-AC05-00OR22725	-	79,700	Ut-Battelle Llc	DE-AC05-00OR22725	79,700	-
Department of Energy, Other	81.RD	DE-AC05-76RL01830	-	19,420	Pacific Northwest National Laboratory	DE-AC05-76RL01830	19,420	-
Department of Energy, Other	81.RD	DE-AC52-07NA27344	-	120,778	Lawrence Livermore National Laboratory	DE-AC52-07NA27344	120,778	-
Department of Energy, Other	81.RD	DE-NA0003525	-	42,902	Sandia National Laboratory	DE-NA0003525	42,902	-
Department of Energy, Other	81.RD	DE-SC0015727	-	60,081	Ultramet	DE-SC0015727	60,081	-
Department of Energy, Other	81.RD	85655	-	7,004	West Virginia University	85655	7,004	-
Office of Science Financial Assistance Program	81.049		6,901,954	-	-	-	6,901,954	72,196
Office of Science Financial Assistance Program	81.049		-	82,999	Faraday Technology Inc.	DE-SC0011235	82,999	-
Office of Science Financial Assistance Program	81.049		-	88,702	Faraday Technology Inc.	DE-SC0011342	88,702	-
Office of Science Financial Assistance Program	81.049		-	4,566	Hi Fidelity Genetics	DE-SC0018572	4,566	-
Office of Science Financial Assistance Program	81.049		-	156,260	Iowa State University	DE-SC0016438	156,260	-
Office of Science Financial Assistance Program	81.049		-	1,890	Kitware Inc	DE-SC0011385	1,890	-
Office of Science Financial Assistance Program	81.049		-	55,176	Michigan State University	DE-SC0017883	55,176	-
Office of Science Financial Assistance Program	81.049		-	4,308	Pennsylvania State Univ	26487740-49105-B	4,308	-
Office of Science Financial Assistance Program	81.049		-	15,000	Radiation Monitoring Devices, Inc.	DE-SC0017202	15,000	-
Office of Science Financial Assistance Program	81.049		-	148,086	Stanford University	DE-SC0016162	148,086	-
Office of Science Financial Assistance Program	81.049		-	131,600	Sydor Instruments	DE-SC0013234	131,600	-
Office of Science Financial Assistance Program	81.049		-	68,162	Sydor Instruments	DE-SC0017139	68,162	-
Office of Science Financial Assistance Program	81.049		-	208,696	The Carnegie Institution For Science	DE-SC0001057	208,696	-
Office of Science Financial Assistance Program	81.049		-	64,521	University Of Minnesota	DE-SC0008688	64,521	-
Office of Science Financial Assistance Program	81.049		-	23,145	University Of New Mexico	DE-SC0018370	23,145	-
Office of Science Financial Assistance Program	81.049		-	115,782	University Of Texas At Austin	DE-SC0007889	115,782	-
Conservation Research and Development	81.086		230,445	-	-	-	230,445	39,518
Renewable Energy Research and Development	81.087		444,756	-	-	-	444,756	20,355
Renewable Energy Research and Development	81.087		-	173	Duke University	DE-EE0007091	173	-
Stewardship Science Grant Program	81.112		2,402,106	-	-	-	2,402,106	746,260
Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122		61,907	-	-	-	61,907	25,894
National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	81.123		-	25,579	Lawrence Livermore National Laboratory	UoC LLL 181752-01	25,579	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Advanced Research Projects Agency - Energy	81.135		1,518,498	-	-	-	1,518,498	226,346
Advanced Research Projects Agency - Energy	81.135		-	78,661	Eaton (US) LLC	DE-AR0000703	78,661	-
Advanced Research Projects Agency - Energy	81.135		-	96,402	Syracuse University	DE-AR0000526	96,402	-
Advanced Research Projects Agency - Energy	81.135		-	167,943	University Of Illinois At Urbana-Champaign	DE-AR0000598	167,943	-
Advanced Research Projects Agency - Energy	81.135		-	141,181	University Of Illinois At Urbana-Champaign	DE-AR0000661	141,181	-
Advanced Research Projects Agency - Energy	81.135		-	75,509	University Of Illinois At Urbana-Champaign	DE-AR0000714	75,509	-
Department of Energy Total			11,595,654	9,413,841			21,009,495	1,130,569
Department of Education								
<i>Institute of Education Sciences</i>								
Education Research, Development and Dissemination	84.305		220,625	-	-	-	220,625	-
<i>Office of Postsecondary Education</i>								
Overseas Programs - Doctoral Dissertation Research Abroad	84.022		36,114	-	-	-	36,114	-
Graduate Assistance in Areas of National Need	84.200		325,136	-	-	-	325,136	-
<i>Office of Postsecondary Education Subtotal</i>			361,250	-			361,250	-
<i>Office of Special Education and Rehabilitative Services</i>								
Rehabilitation Services Vocational Rehabilitation Grants to States	84.126		-	146,756	NYS Dept Of Education	016-038	146,756	-
Promoting Readiness of Minors in Supplemental Security Income	84.418		-	4,712,533	Research Foundation For Mental Hygiene Inc.	H418P130011	4,712,533	2,364,171
Promoting Readiness of Minors in Supplemental Security Income	84.418		-	5,289	Research Foundation For Mental Hygiene, Inc.	H418P130011	5,289	-
<i>Office of Special Education and Rehabilitative Services Subtotal</i>			-	4,864,578			4,864,578	2,364,171
Department of Education Total			581,875	4,864,578			5,446,453	2,364,171
Department of Health and Human Services								
Administration For Children and Families, Other	93.RD	HHSP233201550076A	250,563	-	-	-	250,563	-
Centers for Disease Control And Prevention, Other	93.RD	200-2016-91970	386,377	-	-	-	386,377	-
Department of Health and Human Services, Other	93.RD	82705	864	-	-	-	864	-
Department of Health and Human Services, Other	93.RD	84830	5,381	-	-	-	5,381	-
National Institutes of Health, Other	93.RD	14-1908	1,311	-	-	-	1,311	-
National Institutes of Health, Other	93.RD	1R44TR001326-01A1	-	167,698	Hesperos LLC	1R44TR001326-01A1	167,698	-
National Institutes of Health, Other	93.RD	80898	242,671	-	-	-	242,671	-
National Institutes of Health, Other	93.RD	HHSN261201700005C	-	200,072	Youv Labs, Inc.	HHSN261201700005C	200,072	-
National Institutes of Health, Other	93.RD	N02CA097024	-	2,623	Calgb Foundation	N02CA097024	2,623	-
National Institutes of Health, Other	93.RD	M38CO0650910-4(G)	-	3,990	Inst. For Clinical Research, Inc.	M38CO0650910-4(G)	3,990	-
National Institutes of Health, Other	93.RD	HHSN261201	-	72,491	University Of Texas, Md Anderson Center	HHSN261201	72,491	-
<i>Administration for Children and Families</i>								
Social Services Research and Demonstration	93.647		(455)	-	-	-	(455)	-
<i>Administration for Community Living</i>								
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		601,888	-	-	-	601,888	-
Developmental Disabilities Basic Support and Advocacy Grants	93.630		-	58,513	NYS Developmental Disabilities Planning Council	C024328	58,513	-
Developmental Disabilities Basic Support and Advocacy Grants	93.630		-	17,660	NYS Developmental Disabilities Planning Council	T024332	17,660	-
Elder Abuse Prevention Interventions Program	93.747		-	66,142	Commonwealth Of Massachusetts	90EJGS0009-01-00	66,142	-
<i>Administration for Community Living Subtotal</i>			601,888	142,315			744,203	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Agency for Healthcare Research and Quality								
National Research Service Awards_Health Services Research Training	93.225		459,180	-	-	-	459,180	-
Research on Healthcare Costs, Quality and Outcomes	93.226		371,178	-	-	-	371,178	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	20,291	Columbia University	R01HS024915	20,291	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	34,222	Columbia University	R01HS024262	34,222	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	127,810	Columbia University	R01HS022903	127,810	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	1	University Of Pittsburgh	R18HS018167-03	1	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	35,842	Indiana University: Moa For The Pro	R01HS024556	35,842	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	27,134	Indiana University: Moa For The Pro	R21HS024717	27,134	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	11,697	Research Foundation Cuny-Hunter College Brookdale Center	41951-A	11,697	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	8,508	Albert Einstein College	R01HS024432	8,508	-
Research on Healthcare Costs, Quality and Outcomes	93.226		-	(8,946)	Agency For Healthcare Research And Quali	R21HS024117	(8,946)	-
Agency for Healthcare Research and Quality Subtotal			830,358	256,559			1,086,917	-
Centers for Disease Control and Prevention								
Global AIDS	93.067		-	22,756	Les Centres Gheskio	NU2GGH001924-01	22,756	-
Global AIDS	93.067		-	65,082	Les Centres Gheskio	5 NU2GGH001924-02	65,082	-
Global AIDS	93.067		-	14,078	Les Centres Gheskio	NU2GGH001969-01	14,078	-
Global AIDS	93.067		-	38,715	Les Centres Gheskio	5 NU2GGH001969-02	38,715	-
Chronic Diseases: Research, Control, and Prevention	93.068		224,389	-	-	-	224,389	55,773
Chronic Diseases: Research, Control, and Prevention	93.068		-	15,476	University Of Alabama - Birmngham	U01DP006302	15,476	-
Blood Disorder Program: Prevention, Surveillance, and Research	93.080		-	7,130	Icahn School Of Medicine At Mount Sinai	ISMMS NU27DD001155-0	7,130	-
Blood Disorder Program: Prevention, Surveillance, and Research	93.080		-	21,566	Icahn School Of Medicine At Mount Sinai	5 U27 DD001155-03-00	21,566	-
Prevention of Disease, Disability, and Death by Infectious Diseases	93.084		534,699	-	-	-	534,699	299,855
Injury Prevention and Control Research and State and Community Based Programs	93.136		-	267,758	Health Research Inc	1U01CE002834-01	267,758	-
Centers for Disease Control and Prevention Investigations and Technical Assistance	93.283		-	228,340	University Of South Carolina	5U01DD001007-05	228,340	205,587
Emerging Infections Programs	93.317		-	54,872	Department Of Health And Human Services	CDC IPA FY17(HUPERT)	54,872	-
Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	93.323		-	7,194	Health Research Inc	6NU50CK000423-04-01	7,194	-
Centers for Disease Control and Prevention Subtotal			759,088	742,967			1,502,055	561,215
Centers For Medicare And Medicaid Services								
Health Care Innovation Awards (HCIA)	93.610		-	25,464	Fund For Public Health In New York Inc.	PH CMS331330-03(SHAC)	25,464	-
Health Care Innovation Awards (HCIA)	93.610		-	23,124	Fund For Public Health In New York Inc.	5 C1 CMS331330-04	23,124	-
Centers For Medicare And Medicaid Services Subtotal			-	48,588			48,588	-
Food and Drug Administration								
Food and Drug Administration_Research	93.103		1,614,111	-	-	-	1,614,111	555,174
Food and Drug Administration_Research	93.103		-	19,991	National Farmers Union Foundation	1U01FD005770	19,991	-
Food and Drug Administration_Research	93.103		-	79,278	National Farmers Union Foundation	U01FD005770	79,278	-
Food and Drug Administration_Research	93.103		-	11,295	University Of Vermont	R01FD005686	11,295	-
Food and Drug Administration_Research	93.103		-	(10)	Pennsylvania State University	R01FD003410	(10)	-
Food and Drug Administration Subtotal			1,614,111	110,554			1,724,665	555,174
Health Resources And Services Administration								
Maternal and Child Health Federal Consolidated Programs	93.110		136,110	-	-	-	136,110	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Maternal and Child Health Federal Consolidated Programs	93.110		-	23,673	Icahn School Of Medicine At Mount Sinai	6 H30 MC24048-06	23,673	-
Maternal and Child Health Federal Consolidated Programs	93.110		-	(3)	Icahn School Of Medicine At Mount Sinai	IS 5H3 MC24048-05(MC	(3)	-
HIV-Related Training and Technical Assistance	93.145		-	257,950	Columbia University	U10HA29291	257,950	-
Health Resources And Services Administration Subtotal			136,110	281,620			417,730	-
National Institutes of Health								
Family Smoking Prevention and Tobacco Control Act Regulatory Research	93.077		1,319,903	-			1,319,903	-
Environmental Health	93.113		1,066,486	-			1,066,486	133,299
Environmental Health	93.113		-	2,723	Binghamton University	1R15ES022828-01	2,723	-
Environmental Health	93.113		-	64,124	Northeastern University	5P50ES026049-03	64,124	-
Environmental Health	93.113		-	15,461	Pennsylvania State Univ	1R35ES028244-01	15,461	-
Oral Diseases and Disorders Research	93.121		632,440	-			632,440	-
NIEHS Superfund Hazardous Substances_Basic Research and Education	93.143		-	15,328	Cyclopure Inc.	1R43ES029401-01	15,328	-
Human Genome Research	93.172		1,601,586	-			1,601,586	-
Human Genome Research	93.172		-	123,396	Washington University In St. Louis	5U01HG009391-02	123,396	-
Human Genome Research	93.172		-	198,979	Yale University	5R01HG008126-03	198,979	-
Human Genome Research	93.172		-	25,744	Yale University	R01HG008126	25,744	14,791
Research Related to Deafness and Communication Disorders	93.173		387,422	-			387,422	-
Research Related to Deafness and Communication Disorders	93.173		-	29,319	Binghamton University	R01DC006914	29,319	-
Research Related to Deafness and Communication Disorders	93.173		-	270,232	Stowers Institute For Medical Research	5R01DC014701-02	270,232	-
Research Related to Deafness and Communication Disorders	93.173		-	102,050	University Of Chicago	R01DC014367	102,050	-
Research and Training in Complementary and Integrative Health	93.213		6,964	-			6,964	-
National Center on Sleep Disorders Research	93.233		-	27,053	Columbia University	R01HL128226	27,053	-
Mental Health Research Grants	93.242		7,594,373	-			7,594,373	846,901
Mental Health Research Grants	93.242		-	6,047	Dartmouth College	4R01MH103148-04	6,047	-
Mental Health Research Grants	93.242		-	96,856	Dartmouth College	T32MH073553	96,856	-
Mental Health Research Grants	93.242		-	89,548	Exocyttronics Llc	1R43MH109212-01A1	89,548	-
Mental Health Research Grants	93.242		-	10,173	University Of Pittsburgh	U01MH062565	10,173	-
Mental Health Research Grants	93.242		-	206,010	University Of Washington	R61MH110509	206,010	45,652
Mental Health Research Grants	93.242		-	2,037	Wayne State University	R01MH099557	2,037	-
Mental Health Research Grants	93.242		-	1,509	Brigham And Women'S Hospital	R34MH114739	1,509	-
Mental Health Research Grants	93.242		-	34,093	University Of Texas, Health Science Center	R21MH110110	34,093	-
Mental Health Research Grants	93.242		-	10,340	Icahn School Of Medicine At Mount Sinai	5 R01 MH10479-04	10,340	-
Mental Health Research Grants	93.242		-	53,026	Feinstein Institute For Med Reseach	R01MH108654	53,026	-
Mental Health Research Grants	93.242		-	57,574	Research Fdn For Mental Hygiene Riverview Center	5 R01 MH054137-22	57,574	-
Mental Health Research Grants	93.242		-	4,579	Research Fdn For Mental Hygiene Riverview Center	4 R01 MH054137-21	4,579	-
Mental Health Research Grants	93.242		-	38,120	University Of Connecticut	R01MH112148	38,120	-
Mental Health Research Grants	93.242		-	53,350	University Of California, Berkeley	U19MH114830	53,350	-
Mental Health Research Grants	93.242		-	86,971	New York University School Of Medicine	R01MH105506	86,971	-
Mental Health Research Grants	93.242		-	1,529	Florida State University Sponsored Research Services	FSU 5R01MH104423-03(1,529	-
Mental Health Research Grants	93.242		-	191,895	Florida State University Sponsored Research Services	5 R01 MH104423-04	191,895	-
Mental Health Research Grants	93.242		-	(92)	Centre For Addiction And Mental Health	CAMH 5R01MH099167-04	(92)	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Alcohol Research Programs	93.273		844,686	-	-	-	844,686	205,820
Alcohol Research Programs	93.273		-	(4,276)	University Of Rochester	URoch C024964-01	(4,276)	-
Alcohol Research Programs	93.273		-	13,529	Washington State University	R01AA020248	13,529	-
Alcohol Research Programs	93.273		-	(10,817)	National Institute Of Health/Nih	K99AA023559	(10,817)	-
Alcohol Research Programs	93.273		-	1,635	Research Fdn For Mental Hygiene Riverview Center	5R01AA023163-03(SCHA	1,635	-
Alcohol Research Programs	93.273		-	39,823	Research Fdn For Mental Hygiene Riverview Center	5 R01 AA023163-04	39,823	-
Alcohol Research Programs	93.273		-	678	University Of North Carolina	U01AA021908	678	-
Drug Abuse and Addiction Research Programs	93.279		4,769,343	-	-	-	4,769,343	1,238,189
Drug Abuse and Addiction Research Programs	93.279		-	27,486	Brain Solutions Llc	1R42DA043977-01	27,486	-
Drug Abuse and Addiction Research Programs	93.279		-	90,055	Columbia University	R01DA043130	90,055	-
Drug Abuse and Addiction Research Programs	93.279		-	212,252	Columbia University	R01DA041510	212,252	-
Drug Abuse and Addiction Research Programs	93.279		-	71,772	Columbia University	R01DA045713	71,772	-
Drug Abuse and Addiction Research Programs	93.279		-	177,311	Columbia University	R01DA035280	177,311	-
Drug Abuse and Addiction Research Programs	93.279		-	59,294	National Development And Research Inst	R01DA041298	59,294	-
Drug Abuse and Addiction Research Programs	93.279		-	2,821	National Bureau Of Economic Research	R01DA039968	2,821	-
Drug Abuse and Addiction Research Programs	93.279		-	44,447	Albert Einstein College	R01DA044878	44,447	-
Drug Abuse and Addiction Research Programs	93.279		-	10,322	Albert Einstein College	R01DA034086	10,322	-
Drug Abuse and Addiction Research Programs	93.279		-	28,534	Research Fdn For Mental Hygiene Riverview Center	R03DA039989	28,534	-
Drug Abuse and Addiction Research Programs	93.279		-	98,509	University Of Miami	UGIDA013720	98,509	-
Drug Abuse and Addiction Research Programs	93.279		-	4,395	Mediomics, Llc	R43DA042468	4,395	-
Drug Abuse and Addiction Research Programs	93.279		-	61,826	Simon Fraser University	R01DA041747	61,826	-
Drug Abuse and Addiction Research Programs	93.279		-	(1)	Pete Marttinen The Rockefeller University	RU #3P60DA005130-25S	(1)	-
Drug Abuse and Addiction Research Programs	93.279		-	(2,079)	Pete Marttinen The Rockefeller University	RU#3 P60 DA005130-25	(2,079)	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		2,587,894	-	-	-	2,587,894	272,769
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		-	33,063	University Of Memphis	5U54EB020404-04	33,063	-
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		-	314,010	The University Of Kansas	P41EB020594	314,010	-
Minority Health and Health Disparities Research	93.307		355,143	-	-	-	355,143	152,496
Minority Health and Health Disparities Research	93.307		-	7,410	University Of Virginia	5R01MD007702-05	7,410	-
Minority Health and Health Disparities Research	93.307		-	121,083	Research Foundation Cuny-Hunter College Brookdale Center	R25MD011713	121,083	-
Minority Health and Health Disparities Research	93.307		-	51,799	Oregon Health And Science University	R01MD011403	51,799	-
Minority Health and Health Disparities Research	93.307		-	(1,997)	Georgia Southern University	5P20MD006901-04(VEST	(1,997)	-
Trans-NIH Research Support	93.310		4,504,627	-	-	-	4,504,627	62,263
Trans-NIH Research Support	93.310		-	227,913	Boyce Thompson Institute	64847	227,913	-
Trans-NIH Research Support	93.310		-	1,208,793	Columbia University	OT2OD026556	1,208,793	-
Trans-NIH Research Support	93.310		-	66,144	Northwestern University	DP2GM110838	66,144	-
Trans-NIH Research Support	93.310		-	226,743	Rockefeller University	UH3TR000933	226,743	-
Trans-NIH Research Support	93.310		-	5,400	Icahn School Of Medicine At Mount Sinai	R25EB020393	5,400	-
Trans-NIH Research Support	93.310		-	2,329,736	Columbia University Sponsored Projects Administration	UGSOD023183	2,329,736	-
Trans-NIH Research Support	93.310		-	154,559	President And Fellows Of Harvard College	R01EB018659	154,559	-
National Center for Advancing Translational Sciences	93.350		9,921,748	-	-	-	9,921,748	1,295,606
National Center for Advancing Translational Sciences	93.350		-	1,995	Research Foundation Cuny-Hunter College Brookdale Center	UL1TR002384	1,995	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Research Infrastructure Programs	93.351		1,702,022	-	-	-	1,702,022	28,063
21st Century Cures Act - Beau Biden Cancer Moonshot	93.353		141,627	-	-	-	141,627	-
21st Century Cures Act - Beau Biden Cancer Moonshot	93.353		-	23,221	Memorial Sloan Kettering Cancer Center	U01CA224175	23,221	-
21st Century Cures Act - Beau Biden Cancer Moonshot	93.353		-	61,208	Tufts University	1U01CA224153-01	61,208	-
Nursing Research	93.361		161,671	-	-	-	161,671	-
Nursing Research	93.361		-	44,600	Georgetown University	R21NR016905	44,600	-
National Center for Research Resources	93.389		107	-	-	-	107	-
Cancer Cause and Prevention Research	93.393		1,709,793	-	-	-	1,709,793	272,106
Cancer Cause and Prevention Research	93.393		-	117,056	Columbia University	R01CA205028	117,056	-
Cancer Cause and Prevention Research	93.393		-	2,047	Columbia University	R01CA200795	2,047	-
Cancer Cause and Prevention Research	93.393		-	16,713	Memorial Sloan Kettering Cancer Center	R21CA209533	16,713	-
Cancer Cause and Prevention Research	93.393		-	848	Memorial Sloan Kettering Cancer Center	R03CA193986	848	-
Cancer Cause and Prevention Research	93.393		-	42,619	University Of Rochester	R01CA168387	42,619	-
Cancer Cause and Prevention Research	93.393		-	150,179	Mayo Clinic	U01CA195568	150,179	-
Cancer Cause and Prevention Research	93.393		-	36,204	University Of Texas, Md Anderson Center	R01CA207216	36,204	-
Cancer Cause and Prevention Research	93.393		-	12,905	New York University School Of Medicine	R01CA187060	12,905	-
Cancer Detection and Diagnosis Research	93.394		3,693,287	-	-	-	3,693,287	559,902
Cancer Detection and Diagnosis Research	93.394		-	2,196	Memorial Sloan Kettering Cancer Center	5R01 CA161280-04	2,196	-
Cancer Detection and Diagnosis Research	93.394		-	29,922	Memorial Sloan Kettering Cancer Center	R21CA220144	29,922	-
Cancer Detection and Diagnosis Research	93.394		-	60,643	Memorial Sloan Kettering Cancer Center	R01CA172546	60,643	-
Cancer Detection and Diagnosis Research	93.394		-	41,954	University Of California, San Diego	5U01CA199792-03	41,954	-
Cancer Detection and Diagnosis Research	93.394		-	(1)	Beth Israel Deaconess Medical Center	BID 5U01 CA113913-07	(1)	-
Cancer Detection and Diagnosis Research	93.394		-	(5,328)	Beth Israel Deaconess Medical Center	BID 5U01 CA113913-08	(5,328)	-
Cancer Detection and Diagnosis Research	93.394		-	118,439	Research Fdn Of The Suny - Brockport	R01CA195506	118,439	-
Cancer Detection and Diagnosis Research	93.394		-	79,550	Icahn School Of Medicine At Mount Sinai	R01CA163772	79,550	-
Cancer Detection and Diagnosis Research	93.394		-	189,807	University Of Nebraska Medical Center	U01CA210240	189,807	-
Cancer Detection and Diagnosis Research	93.394		-	9,442	Molecular Targeting Technologies Inc	R43CA224579	9,442	-
Cancer Detection and Diagnosis Research	93.394		-	6,246	The Broad Institute	U24CA210978	6,246	-
Cancer Detection and Diagnosis Research	93.394		-	11,570	American College Of Radiology Imaging Network	ACRIN	11,570	-
Cancer Treatment Research	93.395		5,865,902	-	-	-	5,865,902	764,331
Cancer Treatment Research	93.395		-	26,268	Children'S Hospital Of Philadelphia	U10CA180886	26,268	-
Cancer Treatment Research	93.395		-	2,722	Children'S Hospital Of Philadelphia	UG1CA189955	2,722	-
Cancer Treatment Research	93.395		-	113	Emory University	EMORY UNIV.: TARGETI	113	-
Cancer Treatment Research	93.395		-	(422)	Emory University	EMORY UNIVERSITY	(422)	-
Cancer Treatment Research	93.395		-	49,112	University Of California, Los Angeles	5 UM1 CA121947-10	49,112	-
Cancer Treatment Research	93.395		-	47,917	University Of California, Los Angeles	5 UM1 CA121947-11	47,917	-
Cancer Treatment Research	93.395		-	262,007	University Of California, Los Angeles	UCLA 2U01CA121947-05	262,007	-
Cancer Treatment Research	93.395		-	28,164	University Of California, Los Angeles	UCLA 5UM1CA121947-10	28,164	-
Cancer Treatment Research	93.395		-	63,095	University Of California, Los Angeles	UCLA SUM1CA121947-11	63,095	-
Cancer Treatment Research	93.395		-	1,756	University Of California, Los Angeles	UCLA UM1 CA121947CHA	1,756	-
Cancer Treatment Research	93.395		-	7,807	University Of California, Los Angeles	5UM1CA121947-11CHAIR	7,807	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Cancer Treatment Research	93.395		-	329,483	University Of California, Los Angeles	5UMICA121947-11 ANCH	329,483	-
Cancer Treatment Research	93.395		-	64,876	University Of California, Los Angeles	UMICA121947	64,876	-
Cancer Treatment Research	93.395		-	5,351	University Of Chicago	UNIVERSITY OF CHICAGO	5,351	-
Cancer Treatment Research	93.395		-	19,004	University Of Michigan	R01CA160467	19,004	-
Cancer Treatment Research	93.395		-	48,489	University Of Michigan	R01CA207272	48,489	-
Cancer Treatment Research	93.395		-	17,998	University Of Rochester	R01CA214890	17,998	-
Cancer Treatment Research	93.395		-	4,484	The Medical College Of Wisconsin	R01CA184798	4,484	-
Cancer Treatment Research	93.395		-	(213)	Teamedon International, Llc	R43CA203172	(213)	-
Cancer Treatment Research	93.395		-	76,514	Brigham And Women'S Hospital	U10CA180821	76,514	-
Cancer Treatment Research	93.395		-	114,103	City Of Hope Beckman Research Institute	R01CA102031	114,103	-
Cancer Treatment Research	93.395		-	5,149	The Emmes Corporation	EMMES #5U01CA121947-	5,149	-
Cancer Treatment Research	93.395		-	214,788	Dana-Farber Cancer Institute, Inc.	R01CA182736	214,788	-
Cancer Treatment Research	93.395		-	72,875	Montefiore Medical Center	U10CA180827	72,875	-
Cancer Biology Research	93.396		6,514,831	-	-	-	6,514,831	815,574
Cancer Biology Research	93.396		-	4,480	Memorial Sloan Kettering Cancer Center	R01CA228216	4,480	-
Cancer Biology Research	93.396		-	130,559	Memorial Sloan Kettering Cancer Center	R01CA195787	130,559	-
Cancer Biology Research	93.396		-	92,476	The Cleveland Clinic Foundation	U01CA214300-01A1	92,476	-
Cancer Biology Research	93.396		-	(8,709)	University Of Rochester	UR 5R01 CA138249 415	(8,709)	-
Cancer Biology Research	93.396		-	21,639	Memorial Sloan-Kettering Cancer Center	R01CA173636	21,639	-
Cancer Biology Research	93.396		-	345,289	Trustees Of The University Of Pennsylvania	R01CA198089	345,289	-
Cancer Biology Research	93.396		-	105,514	Childrens Hospital Los Angeles	R01CA207983	105,514	-
Cancer Biology Research	93.396		-	187,029	University Of Texas, Md Anderson Center	P01CA117969	187,029	-
Cancer Biology Research	93.396		-	22,223	Brigham And Women'S Hospital	P01CA120964	22,223	-
Cancer Biology Research	93.396		-	285,018	Methodist Hospital Research Institute	U01CA188388	285,018	-
Cancer Centers Support Grants	93.397		3,986,936	-	-	-	3,986,936	484,036
Cancer Centers Support Grants	93.397		-	34,234	Columbia University	U54CA193313	34,234	-
Cancer Centers Support Grants	93.397		-	180,828	Memorial Sloan Kettering Cancer Center	1U54CA199081-01	180,828	-
Cancer Centers Support Grants	93.397		-	417,831	Memorial Sloan Kettering Cancer Center	5U54CA199081-03	417,831	-
Cancer Centers Support Grants	93.397		-	28,952	Memorial Sloan Kettering Cancer Center	U54CA199081-03	28,952	-
Cancer Centers Support Grants	93.397		-	133,058	Memorial Sloan Kettering Cancer Center	P50CA192937	133,058	-
Cancer Centers Support Grants	93.397		-	84	Memorial Sloan Kettering Cancer Center	SKI 5P50CA172012-02	84	-
Cancer Centers Support Grants	93.397		-	22,940	Roswell Park Cancer Institute	3P30CA016056-39S5	22,940	-
Cancer Centers Support Grants	93.397		-	(6)	University Of Michigan	P50CA186786	(6)	-
Cancer Centers Support Grants	93.397		-	9,418	Memorial Sloan-Kettering Cancer Center	P50CA192937	9,418	-
Cancer Centers Support Grants	93.397		-	12,268	Memorial Sloan-Kettering Cancer Center	P30CA008748	12,268	-
Cancer Centers Support Grants	93.397		-	4,009	University Of Nebraska Medical Center	U54CA163120	4,009	-
Cancer Centers Support Grants	93.397		-	4,145	Childrens Hospital Los Angeles	U54CA163117	4,145	-
Cancer Centers Support Grants	93.397		-	10,498	Sarcoma Alliance For Research Through Collaboration	5 U24 CA168512-05	10,498	-
Cancer Centers Support Grants	93.397		-	12,155	Sarcoma Alliance For Research Through Collaboration	5 U24 CA168512-06	12,155	-
Cancer Research Manpower	93.398		2,485,476	-	-	-	2,485,476	-
Cancer Research Manpower	93.398		-	(19)	Columbia University	COLUMBIA: 5K07 CA132	(19)	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Cancer Research Manpower	93.398		-	11,788	H. Lee Moffitt Cancer Center & Research Institute	R25CA142519	11,788	-
Trans-NIH Recovery Act Research Support	93.701		-	6,864	University Of Florida	UF 1U24 RR29822-01	6,864	-
Cardiovascular Diseases Research	93.837		11,568,285	-	-	-	11,568,285	2,097,744
Cardiovascular Diseases Research	93.837		-	236,649	Columbia University	R01HL113136	236,649	-
Cardiovascular Diseases Research	93.837		-	28,086	New York University	NYU SU01 HL105907-05	28,086	-
Cardiovascular Diseases Research	93.837		-	95,103	New York University	5 U01 HL105907-06	95,103	-
Cardiovascular Diseases Research	93.837		-	7,133	University Of North Texas	R01HL140562	7,133	-
Cardiovascular Diseases Research	93.837		-	16,318	University Of Pittsburgh	5R01HL122144-03	16,318	-
Cardiovascular Diseases Research	93.837		-	109,523	Yale University	5R01HL128602-03	109,523	-
Cardiovascular Diseases Research	93.837		-	111,658	Massachusetts General Hospital	U01HL123336	111,658	-
Cardiovascular Diseases Research	93.837		-	84,454	Children'S Hospital Boston	R35HL135821	84,454	-
Cardiovascular Diseases Research	93.837		-	259,922	Icahn School Of Medicine At Mount Sinai	U01HL136297	259,922	-
Cardiovascular Diseases Research	93.837		-	6,361	Icahn School Of Medicine At Mount Sinai	R01HL140273	6,361	-
Cardiovascular Diseases Research	93.837		-	12,383	University Of Alabama - Birmingham	U01HL120338	12,383	-
Cardiovascular Diseases Research	93.837		-	304,957	University Of Alabama - Birmingham	UH2HL130691	304,957	-
Cardiovascular Diseases Research	93.837		-	10,616	University Of Alabama - Birmingham	UAB 5R01 HL55673-15	10,616	-
Cardiovascular Diseases Research	93.837		-	538	Washington University	P20HL113444	538	-
Cardiovascular Diseases Research	93.837		-	140,680	Research Foundation Cuny-Hunter College Brookdale Center	T32HL135465	140,680	-
Cardiovascular Diseases Research	93.837		-	14,473	Feinstein Institute For Med Reseach	R01HL139778	14,473	-
Cardiovascular Diseases Research	93.837		-	18,334	Albert Einstein College	R33HL120782	18,334	-
Cardiovascular Diseases Research	93.837		-	(34)	University Of Connecticut	UCHC 5P01 HL70694-08	(34)	-
Cardiovascular Diseases Research	93.837		-	32,282	University Of South Florida	R33HL120782	32,282	-
Cardiovascular Diseases Research	93.837		-	904	Brigham And Women'S Hospital	U01HL101422	904	-
Cardiovascular Diseases Research	93.837		-	10,195	University Of Kansas Medical Center	R01HL129875	10,195	-
Cardiovascular Diseases Research	93.837		-	39,348	Vanderbilt University	R01HL127499	39,348	-
Cardiovascular Diseases Research	93.837		-	11,479	Icon Clinical Research, Llc	ICON #1 U01 HL117006	11,479	-
Lung Diseases Research	93.838		9,378,031	-	-	-	9,378,031	3,167,405
Lung Diseases Research	93.838		-	76,463	Allegheny Singer Research Institute	R01HL134673	76,463	-
Lung Diseases Research	93.838		-	121,793	Columbia University	U01HL125218	121,793	-
Lung Diseases Research	93.838		-	226,151	University Of Michigan	R01HL122438	226,151	-
Lung Diseases Research	93.838		-	9,818	University Of North Carolina Chapel Hill	5R01HL122711-03	9,818	-
Lung Diseases Research	93.838		-	255	University Of Pittsburgh	U01HL128954	255	-
Lung Diseases Research	93.838		-	53,651	University Of Virginia	R01HL131565	53,651	-
Lung Diseases Research	93.838		-	2,283	Brigham And Women'S Hospital	P01HL108801	2,283	-
Lung Diseases Research	93.838		-	24,656	Cleveland Clinic	U01HL125177	24,656	-
Lung Diseases Research	93.838		-	70,534	University Of California, San Francisco	U01HL137880	70,534	-
Blood Diseases and Resources Research	93.839		1,552,755	-	-	-	1,552,755	29,252
Blood Diseases and Resources Research	93.839		-	3,419	Columbia University	R01HL139489	3,419	-
Blood Diseases and Resources Research	93.839		-	109,110	University Of Florida	R01HL131093	109,110	-
Blood Diseases and Resources Research	93.839		-	6,866	University Of Washington	U01HL088476	6,866	-
Blood Diseases and Resources Research	93.839		-	(26,387)	Fred Hutchinson Cancer Research Center	R01HL115128	(26,387)	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Blood Diseases and Resources Research	93.839		-	1,557	New York Blood Center, Inc.	NYBC #NIH00017 (4/_)	1,557	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		2,520,949	-			2,520,949	92,126
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	27,347	Articulate Biomedical Llc	1 R41 AR 068183 - 01	27,347	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	162,897	Columbia University	5R01AR065023-03	162,897	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	58,521	Hospital For Special Surgery	1 R21AR071534-01	58,521	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	107,104	Hospital For Special Surgery	5R01 AR041325-24	107,104	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	11,786	Mount Sinai Hospital	R01AR069537	11,786	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	66,834	Mount Sinai School Of Medicine	R01AR068579	66,834	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	34,254	Northwestern University	R21AR069867	34,254	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	6,833	University Of California Davis	5R01AR043052-14	6,833	-
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		-	18,094	Health Research, Inc.	U01AR069869	18,094	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		8,579,996	-			8,579,996	886,333
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	32,981	Columbia University	P30DK063608	32,981	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	30,999	Louisiana State University	2R01DK087800-06A1	30,999	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	2,501	Brigham And Women'S Hospital	R01DK108438	2,501	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	34,057	Icahn School Of Medicine At Mount Sinai	P01DK072201	34,057	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	56,336	Icahn School Of Medicine At Mount Sinai	U01DK116100	56,336	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	5,181	Albert Einstein College	UC4DK101108	5,181	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	125,743	Fred Huchinson Cancer Research Center	RC2DK114777	125,743	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	286,636	Case Western Reserve University	U01DK094157	286,636	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	(28,933)	New York Medical College Jeanette Jordan	NYMC 5R01 DK045462-1	(28,933)	-
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		-	8,176	Texas Biomedical Research Institute	R01DK110096	8,176	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		17,601,335	-			17,601,335	1,659,715
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	143,877	Columbia University	R01NS100850	143,877	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	37,293	Columbia University	U01NS095869	37,293	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	134,348	Memorial Sloan Kettering Cancer Center	R01NS099270	134,348	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	881	Northwestern University	U01NS080818	881	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	103,719	Rockefeller University	R01NS097184	103,719	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	17,532	University Of California San Francisco	R01NS067420	17,532	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	(183,598)	University Of Pennsylvania	R01NS093120	(183,598)	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	71,465	University Of Pittsburgh	2R01NS032385-21	71,465	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	(71)	University Of Virginia	U01NS069498	(71)	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	269,328	Yale University	R01NS102267	269,328	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	96,774	Yale University	NS085136	96,774	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	189	John Hopkins University	U01NS080824	189	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	13,116	Beth Israel Deaconess Medical Center	U01NS074425	13,116	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	3,038	Massachusetts General Hospital	U01NS084495	3,038	3,038
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	95,734	Massachusetts General Hospital	U01NS090259	95,734	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	223,701	Icahn School Of Medicine At Mount Sinai	R01NS084486	223,701	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	47,403	Icahn School Of Medicine At Mount Sinai	R01NS060809	47,403	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	4,129	Trustees Of The University Of Pennsylvania	R21NS100182	4,129	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	(1,018)	University Of Cincinnati	U01NS092076	(1,018)	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	103,399	University Of Cincinnati	U01NS069763	103,399	86,024
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	3,319	Mayo Clinic	U01NS080168	3,319	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	102,226	Washington University	R01NS090934	102,226	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	149,105	Washington University	R01NS092653	149,105	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	40,632	Cleveland Clinic	UH3NS100543	40,632	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	12,833	Kennedy Krieger, Inc.	K12NS098482	12,833	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	1,464	St. Joseph'S Hospital	5U01 NS52478-04	1,464	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	139,854	Columbia University Sponsored Projects Administration	U10NS086728	139,854	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	3,665	The Emmes Corporation	EMMES #1 U01 NS02683	3,665	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	143,984	Regents Of The University Of Minnesota	U54NS065768	143,984	-
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		-	17,331	Columbia University Taub Institute & G.H. Sergievsky Center	U10NS077267	17,331	-
Allergy and Infectious Diseases Research	93.855		29,279,856	-	-	-	29,279,856	6,399,506
Allergy and Infectious Diseases Research	93.855		-	182,038	Columbia University	R01AI119762	182,038	-
Allergy and Infectious Diseases Research	93.855		-	564,424	Columbia University	P01AI106697	564,424	-
Allergy and Infectious Diseases Research	93.855		-	1,000	Duke University	R01AI103315	1,000	-
Allergy and Infectious Diseases Research	93.855		-	154,248	Duke University	R01AI125416	154,248	-
Allergy and Infectious Diseases Research	93.855		-	105	Duke University	UM1AI104681	105	-
Allergy and Infectious Diseases Research	93.855		-	34,639	Harvard University	1R01AI124165	34,639	-
Allergy and Infectious Diseases Research	93.855		-	28,420	Imperial College Of London	1R21AI118593-01A1	28,420	-
Allergy and Infectious Diseases Research	93.855		-	5,540	Michigan State University	U19AI089683	5,540	-
Allergy and Infectious Diseases Research	93.855		-	(3,946)	Princeton University	R21AI117213	(3,946)	-
Allergy and Infectious Diseases Research	93.855		-	125,373	Rockefeller University	U01AI118536	125,373	-
Allergy and Infectious Diseases Research	93.855		-	22,460	University Of Massachusetts Medical School	1R21AI111173-02	22,460	-
Allergy and Infectious Diseases Research	93.855		-	(32)	University Of Miami School Of Medicine	R01AI091521	(32)	-
Allergy and Infectious Diseases Research	93.855		-	16,622	University Of Michigan	R01AI119446	16,622	-
Allergy and Infectious Diseases Research	93.855		-	40,737	University Of Pennsylvania	R01AI082292	40,737	-
Allergy and Infectious Diseases Research	93.855		-	101,347	Washington State University	U01AI095542	101,347	-
Allergy and Infectious Diseases Research	93.855		-	59,703	Massachusetts General Hospital	R01AI042006	59,703	-
Allergy and Infectious Diseases Research	93.855		-	437,977	Brigham And Women'S Hospital	UM1AI068636	437,977	-
Allergy and Infectious Diseases Research	93.855		-	17,565	Brigham And Women'S Hospital	R01AI131998	17,565	-
Allergy and Infectious Diseases Research	93.855		-	12,291	Brigham And Women'S Hospital	R01AI134842	12,291	-
Allergy and Infectious Diseases Research	93.855		-	420,086	Les Centres Gheskio	UM1AI069421	420,086	-
Allergy and Infectious Diseases Research	93.855		-	165,193	Children'S Hospital Boston	R01AI099204	165,193	-
Allergy and Infectious Diseases Research	93.855		-	1,766,565	Family Health International Hivnet	UM1AI068619	1,766,565	1,766,121
Allergy and Infectious Diseases Research	93.855		-	43,988	John Hopkins University Bsph – International Health	UM1AI068632	43,988	-
Allergy and Infectious Diseases Research	93.855		-	29,051	Vanderbilt University Medical Center	U01AI069923	29,051	9,040
Allergy and Infectious Diseases Research	93.855		-	17,357	Albert Einstein College	U01AI035004	17,357	-
Allergy and Infectious Diseases Research	93.855		-	7,973	Seattle Biomedical Research Institute DbA Cidr	U19AI135976	7,973	-
Allergy and Infectious Diseases Research	93.855		-	18,490	Rutgers, The State University of New Jersey	R33AI111647	18,490	-
Allergy and Infectious Diseases Research	93.855		-	40,402	Rutgers, The State University of New Jersey	R01AI106398	40,402	-

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Schedule of Expenditures of Federal Awards
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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Allergy and Infectious Diseases Research	93.855		-	140,431	Texas A&M	R21AI121689	140,431	-
Allergy and Infectious Diseases Research	93.855		-	4,716	Fundacao De Apoio A Pesquisa E A Extens	P50AI030639	4,716	-
Allergy and Infectious Diseases Research	93.855		-	4,512	Boston Medical Center	U19AI111276	4,512	-
Allergy and Infectious Diseases Research	93.855		-	90,079	University Of Maryland	R01AI121146	90,079	-
Allergy and Infectious Diseases Research	93.855		-	3,929	Brighan & Women'S Hospital	R01AI123001	3,929	-
Allergy and Infectious Diseases Research	93.855		-	(88)	Biovinc, Llc	R43AI125060	(88)	-
Allergy and Infectious Diseases Research	93.855		-	(8)	Vanderbilt University	VU 5R01 AI77505-03	(8)	-
Allergy and Infectious Diseases Research	93.855		-	289,705	Research Fdn Of Suny University Of Buffalo	R01AI111990	289,705	-
Allergy and Infectious Diseases Research	93.855		-	(1)	Social And Scientific Systems	SSS 1U01 AI068636-05	(1)	-
Allergy and Infectious Diseases Research	93.855		-	(11)	Social And Scientific Systems	SSS #BRS-ACURE-Q-06-	(11)	-
Allergy and Infectious Diseases Research	93.855		-	150,238	The Research Institute Of McGill University Health Centre	R01AI124349	150,238	-
Allergy and Infectious Diseases Research	93.855		-	301,836	Brigham And Women'S Hospital	UM1AI068636	301,836	-
Allergy and Infectious Diseases Research	93.855		-	714,822	President And Fellows Of Harvard College	U19AI107774	714,822	-
Allergy and Infectious Diseases Research	93.855		-	19,754	Montefiore Medical Center	U01AI035004	19,754	-
Allergy and Infectious Diseases Research	93.855		-	(67)	Brentwd Biomed Ri: Outer Membrane P	BRENTWD BIOMED RI: O	(67)	-
Allergy and Infectious Diseases Research	93.855		-	6,408	Institute For Clinical Research	ICR #M38-CO-065-0910	6,408	-
Allergy and Infectious Diseases Research	93.855		-	5,218	Institute For Clinical Research	M38-CO-065-0910-4(FI	5,218	-
Allergy and Infectious Diseases Research	93.855		-	77,811	Mount Sinai School Of Medicine	HHSN272201400008C	77,811	-
Microbiology and Infectious Diseases Research	93.856		-	(2)	Social And Scientific Systems	SSS CRB-DCR01-S-09-0	(2)	-
Microbiology and Infectious Diseases Research	93.856		-	-	-	-	36,558,726	1,369,336
Biomedical Research and Research Training	93.859		36,558,726	-	-	-	-	-
Biomedical Research and Research Training	93.859		-	14,026	Children'S Hospital Of Philadelphia	5R01GM108716-04	14,026	-
Biomedical Research and Research Training	93.859		-	6,540	Cold Spring Harbor Laboratory	5R01GM102192-06	6,540	-
Biomedical Research and Research Training	93.859		-	42,757	Cold Spring Harbor Laboratory	R01GM102192	42,757	-
Biomedical Research and Research Training	93.859		-	(278)	Glycobia Inc.	2R44GM093483-02	(278)	-
Biomedical Research and Research Training	93.859		-	294,599	Memorial Sloan Kettering Cancer Center	R01GM052470	294,599	-
Biomedical Research and Research Training	93.859		-	58,094	Memorial Sloan Kettering Cancer Center	R01GM120570	58,094	-
Biomedical Research and Research Training	93.859		-	37,802	Oklahoma Medical Research Foundation	5R01GM121703-02	37,802	-
Biomedical Research and Research Training	93.859		-	119,961	Tetragenetics Inc.	1R44GM116236-01A1	119,961	-
Biomedical Research and Research Training	93.859		-	101,742	University Of Arizona	1R01GM116113-01A1	101,742	-
Biomedical Research and Research Training	93.859		-	28,294	University Of Chicago	U54GM087519	28,294	-
Biomedical Research and Research Training	93.859		-	54,092	University Of Utah	5R01GM059290-16	54,092	-
Biomedical Research and Research Training	93.859		-	102,021	University Of Utah	R01GM064664	102,021	-
Biomedical Research and Research Training	93.859		-	22,834	Virginia Polytechnic Institute & State University	R01GM105245	22,834	-
Biomedical Research and Research Training	93.859		-	30,343	Washington University In St. Louis	5R01BM108811-05	30,343	-
Biomedical Research and Research Training	93.859		-	19,715	Yale University	R01GM116654	19,715	-
Biomedical Research and Research Training	93.859		-	49,875	Yale University	5 P01 GM056550-21	49,875	-
Biomedical Research and Research Training	93.859		-	33,298	Yale University	YALE 5P01GM056550-20	33,298	-
Biomedical Research and Research Training	93.859		-	8,449	University Of Nebraska-Lincoln	R01GM124310	8,449	-
Biomedical Research and Research Training	93.859		-	189,256	Vanderbilt University Medical Center	R01GM103859	189,256	-
Biomedical Research and Research Training	93.859		-	(40,092)	University Of Colorado	R01GM111902	(40,092)	-
Child Health and Human Development Extramural Research	93.865		9,972,887	-	-	-	9,972,887	1,119,777

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

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Schedule of Expenditures of Federal Awards
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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Child Health and Human Development Extramural Research	93.865		-	151,004	Children's Hospital Of Philadelphia	R01HD0911585	151,004	-
Child Health and Human Development Extramural Research	93.865		-	136,401	Columbia University	P01HD080642	136,401	-
Child Health and Human Development Extramural Research	93.865		-	6,203	Duke University	U01HD073984	6,203	-
Child Health and Human Development Extramural Research	93.865		-	3,361	Johns Hopkins University	U54HD070725-05	3,361	-
Child Health and Human Development Extramural Research	93.865		-	55,747	Johns Hopkins University	R01HD081929	55,747	-
Child Health and Human Development Extramural Research	93.865		-	(1)	Pennsylvania State Univ	5R01HD074605-03	(1)	-
Child Health and Human Development Extramural Research	93.865		-	14,565	Syracuse University	1R21HD088910-01A1	14,565	-
Child Health and Human Development Extramural Research	93.865		-	33,250	University Of Michigan	1R01HD088506-01	33,250	-
Child Health and Human Development Extramural Research	93.865		-	151,168	University Of Texas Medical Branch	5P2CHD065702-08	151,168	-
Child Health and Human Development Extramural Research	93.865		-	26,466	Washington University	5 R01 HD078641-03(SC	26,466	-
Child Health and Human Development Extramural Research	93.865		-	33,049	Washington University	5 R01 HD078641-04	33,049	-
Child Health and Human Development Extramural Research	93.865		-	(135)	Washington University	U01HD079065	(135)	-
Child Health and Human Development Extramural Research	93.865		-	(19)	University Of California, San Francisco	UCA 5K12 HD849-23 (M	(19)	-
Child Health and Human Development Extramural Research	93.865		-	(9)	University Of California, San Francisco	UCA 5K12 HD849-24 (M	(9)	-
Child Health and Human Development Extramural Research	93.865		-	7,175	University Of Oklahoma	R01HD074579	7,175	-
Child Health and Human Development Extramural Research	93.865		-	(892)	University Of California, Los Angeles	R01HD073975	(892)	-
Aging Research	93.866		4,930,453	-	-	-	4,930,453	161,565
Aging Research	93.866		-	86,864	Hebrew Home At Riverdale	R01AG057389	86,864	-
Aging Research	93.866		-	13,285	National Research Opinion Center	1R01AG050605-01A1	13,285	-
Aging Research	93.866		-	995	New York University	R01AG055624	995	-
Aging Research	93.866		-	(1)	Rockefeller University	1R21 AG39850-01	(1)	-
Aging Research	93.866		-	95,527	Suny Binghamton	R21AG052860	95,527	-
Aging Research	93.866		-	478,830	University Of Arizona	P01AG026572	478,830	-
Aging Research	93.866		-	48,928	University Of Michigan	R01AG047932	48,928	-
Aging Research	93.866		-	996	University Of Southern California	U19AG010483	996	-
Aging Research	93.866		-	102,715	Winifred Masterson Burke Medical Research Institu	2P01AG14930-15A1	102,715	-
Aging Research	93.866		-	490,552	John Hopkins University	R01AG050514	490,552	184,843
Aging Research	93.866		-	117,956	Memorial Sloan-Kettering Cancer Center	R01AG054720	117,956	-
Aging Research	93.866		-	7,229	Albert Einstein College	R01AG052286	7,229	-
Aging Research	93.866		-	9,414	Rutgers, The State University of New Jersey	R01AG052286	9,414	-
Aging Research	93.866		-	5,413	Brown University	R01AG047180	5,413	-
Aging Research	93.866		-	(25)	University Of Colorado	UCLD 5R01 AG012423-0	(25)	-
Aging Research	93.866		-	1,182,995	Winifred Masterson Burke Medical Research Institute	P01AG014930	1,182,995	110,000
Vision Research	93.867		5,039,130	-	-	-	5,039,130	838,587
Vision Research	93.867		-	7,485	Boston University	R01EY018363	7,485	-
Vision Research	93.867		-	31,094	University Of Rochester	R01EY018363	31,094	-
Vision Research	93.867		-	19,242	University Of Illinois At Chicago	R01EY027912	19,242	-
Vision Research	93.867		-	6,939	Jaeb Center For Health Research	JAEB #U10 EY14231	6,939	-
Medical Library Assistance	93.879		112,291	-	-	-	112,291	-
Medical Library Assistance	93.879		-	13,648	Washington University In St. Louis	1R21LM012395-01A1	13,648	-
Medical Library Assistance	93.879		-	58,108	Trustees Of The University Of Pennsylvania	R01LM012607	58,108	-

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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
International Research and Research Training	93.989		813,350	-		-	813,350	329,099
International Research and Research Training	93.989		-	93,124	Vanderbilt University Medical Center	D43TW009337	93,124	30,240
International Research and Research Training	93.989		-	154,666	Vanderbilt University Medical Center	R25TW009337	154,666	136,997
International Research and Research Training	93.989		-	21,661	Kilimanjaro Christian Medical College	D43TW010138	21,661	-
National Institutes of Health Subtotal			199,762,311	28,111,915			227,874,226	27,668,546
Office of Minority Health								
Family and Community Violence Prevention Program	93.910		-	7,542	Lutheran Family Health Centers	73899	7,542	-
Office of the Secretary								
ASPR Science Preparedness and Response Grants	93.081		-	(5,515)	Department Of Public Health	DHHS IPA 2016(HUPERT)	(5,515)	-
Teenage Pregnancy Prevention Program	93.297		-	40,297	Oswego County	1 TP1AH000086-01-00	40,297	-
Office of the Secretary Subtotal			-	34,782			34,782	-
Department of Health and Human Services Total			204,590,578	30,183,716			234,774,294	28,784,935
Department of Homeland Security								
Science and Technology (S&T)								
Centers for Homeland Security	97.061		-	65,504	University Of North Carolina Chapel Hill	2015-ST-061-ND0001-01	65,504	-
Agency for International Development								
Agency for International Development, Other	98.RD	16258	-	13,075	University Of California Davis	16258	13,075	-
Agency for International Development, Other	98.RD	207495	-	15,352	Purdue University	207495	15,352	-
Agency for International Development, Other	98.RD	208452	-	10,330	Purdue University	208452	10,330	-
Agency for International Development, Other	98.RD	209673	-	20,158	Purdue University	209673	20,158	-
Agency for International Development, Other	98.RD	016258-164	-	12,877	University Of California Davis	016258-164	12,877	-
USAID Foreign Assistance for Programs Overseas	98.001		1,413,704	-		-	1,413,704	980,275
USAID Foreign Assistance for Programs Overseas	98.001		-	115,615	Kansas State University	AID-OAA-A-13-00051	115,615	-
USAID Foreign Assistance for Programs Overseas	98.001		-	204,377	Kansas State University	AID-OAA-LA-16-00003	204,377	-
USAID Foreign Assistance for Programs Overseas	98.001		-	(585)	Michigan State University	RC102095-M1002	(585)	-
Global Development Alliance	98.011		-	29,304	International Food Policy Rsch Inst	AID-OAA-A-14-00022	29,304	-
USAID Development Partnerships for University Cooperation and Development	98.012		-	(10)	University Of Florida	AIDCEGA000700001	(10)	-
Agency for International Development Total			1,413,704	420,493			1,834,197	980,275
Total Research & Development Cluster			396,921,326	69,647,418			466,568,744	59,480,181
Fish and Wildlife Cluster								
Department of the Interior								
Wildlife Restoration and Basic Hunter Education	15.611		-	17,737	Suny College Of Environmental Science And Forestry	W-173-G	17,737	-
Fish and Wildlife Cluster Total			-	17,737			17,737	-
Highway Planning and Construction Cluster								
Department of Transportation								
Highway Planning and Construction	20.205		-	201,414	City University Of New York	C030793	201,414	64,154
Highway Planning and Construction	20.205		-	172,056	City University Of New York	C030794 & DTRT13-G-UTC32	172,056	-
Department of Transportation Total			-	373,470			373,470	64,154
Highway Planning and Construction Cluster Total			-	373,470			373,470	64,154
Highway Safety Cluster								
Department of Transportation								

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Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
State and Community Highway Safety	20.600		-	119	NYS Dept Of Motor Vehicles	HS1-2017	119	-
Highway Safety Cluster Total			<u>-</u>	<u>119</u>			<u>119</u>	<u>-</u>
TRIO Cluster								
Department of Education								
TRIO Upward Bound	84.047		387,131	-		-	387,131	-
TRIO McNair Post-Baccalaureate Achievement	84.217		228,727	-		-	228,727	-
Department of Education Total			<u>615,858</u>	<u>-</u>			<u>615,858</u>	<u>-</u>
TRIO Cluster Total			<u>615,858</u>	<u>-</u>			<u>615,858</u>	<u>-</u>
TANF Cluster								
Department of Health and Human Services								
Temporary Assistance for Needy Families	93.558		-	154,643	NYS Office Of Children And Family Services	C027777	154,643	-
Department of Health and Human Services Total			<u>-</u>	<u>154,643</u>			<u>154,643</u>	<u>-</u>
TANF Cluster Total			<u>-</u>	<u>154,643</u>			<u>154,643</u>	<u>-</u>
CCDF Cluster								
Department of Health and Human Services								
Child Care and Development Block Grant	93.575		-	16,662	NYS Office Of Children And Family Services	C027959	16,662	-
CCDF Cluster Total			<u>-</u>	<u>16,662</u>			<u>16,662</u>	<u>-</u>
Medicaid Cluster								
Department of Health and Human Services								
Medical Assistance Program	93.778		-	2,528	NYS Office Of Children And Family Services	C027959	2,528	-
Medicaid Cluster Total			<u>-</u>	<u>2,528</u>			<u>2,528</u>	<u>-</u>
Other Awards								
Department of Agriculture								
Agricultural Marketing Service, Other	10.U01	79297	-	22,399	Northeast Organic Farming Association Of New York	79297	22,399	-
Agricultural Research Basic and Applied Research	10.001		2,430	-		-	2,430	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		423,601	-		-	423,601	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	2,410	NYS Dept Of Ag & Markets	87173	2,410	-
Plant and Animal Disease, Pest Control, and Animal Care	10.025		-	142,851	NYS Dept Of Ag & Markets	13-9636-1268CA	142,851	-
			<u>423,601</u>	<u>145,261</u>			<u>568,862</u>	<u>-</u>
Market Protection and Promotion	10.163		934,924	-		-	934,924	91,882
Wholesale Farmers and Alternative Market Development	10.164		39,100	-		-	39,100	-
Local Food Promotion Program	10.172		40,944	-		-	40,944	-
Local Food Promotion Program	10.172		-	2,901	Cornell Cooperative Extension Erie County	81030	2,901	-
			<u>40,944</u>	<u>2,901</u>			<u>43,845</u>	<u>-</u>
Grants for Agricultural Research, Special Research Grants	10.200		-	82,484	Auburn University	2015-48770-24368	82,484	-
Sustainable Agriculture Research and Education	10.215		-	533	University Of Massachusetts Amherst	2015-38640-23777	533	-
Sustainable Agriculture Research and Education	10.215		-	2,766	University Of Vermont	2013-38640-20895	2,766	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Sustainable Agriculture Research and Education	10.215		-	25,690	University Of Vermont	2014-38640-22161	25,690	-
Sustainable Agriculture Research and Education	10.215		-	140,798	University Of Vermont	2016-38640-25380	140,798	9,719
Sustainable Agriculture Research and Education	10.215		-	41,522	University Of Vermont	2017-38640-26915	41,522	-
			-	211,309			211,309	9,719
Higher Education - Institution Challenge Grants Program	10.217		51,493	-		-	51,493	-
Agriculture and Food Research Initiative (AFRI)	10.310		176,489	-		-	176,489	27,091
Agriculture and Food Research Initiative (AFRI)	10.310		-	10,767	Kansas State University	2017-67007-25932	10,767	-
Agriculture and Food Research Initiative (AFRI)	10.310		-	28,921	North Carolina State University	2015-68004-23179	28,921	-
			176,489	39,688			216,177	27,091
Beginning Farmer and Rancher Development Program	10.311		47,747	-		-	47,747	2,367
National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328		12,514	-		-	12,514	-
National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	10.328		-	42,683	Northeast Organic Farming Association Of New York	2016-70020-25792	42,683	-
			12,514	42,683			55,197	-
Crop Protection and Pest Management Competitive Grants Program	10.329		1,227,955	-		-	1,227,955	282,447
Crop Protection and Pest Management Competitive Grants Program	10.329		-	10,066	University Of Vermont	2014-70006-22525	10,066	-
			1,227,955	10,066			1,238,021	282,447
Crop Insurance Education in Targeted States	10.458		390,492	-		-	390,492	-
Cooperative Extension Service	10.500		12,550,826	-		-	12,550,826	132,687
Cooperative Extension Service	10.500		-	37,472	University Of Delaware	2015-49200-24225	37,472	-
			12,550,826	37,472			12,588,298	132,687
WIC Farmers' Market Nutrition Program (FMNP)	10.572		-	1,623	NYS Dept Of Ag & Markets	86584	1,623	-
WIC Farmers' Market Nutrition Program (FMNP)	10.572		-	10,000	NYS Dept Of Ag & Markets	LOA0129	10,000	-
			-	11,623			11,623	-
Emerging Markets Program	10.603		250,714	-		-	250,714	-
Agricultural Statistics Reports	10.950		383,466	-		-	383,466	-
Department of Agriculture Total			16,532,695	605,886			17,138,581	546,193
Department of Commerce								
U.s. Census Bureau, Other	11.U01	0090-FY16-IPA-0016	578,070	-		-	578,070	-
NOAA Mission-Related Education Awards	11.008		-	6,638	Brooklyn College	NA16SEC0080004	6,638	-
Cluster Grants	11.020		82,246	-		-	82,246	-
Sea Grant Support	11.417		80,220	-		-	80,220	-
Sea Grant Support	11.417		-	41,667	New York Sea Grant Institute, Stony Brook	84630	41,667	-
Sea Grant Support	11.417		-	1,126,431	New York Sea Grant Institute, Stony Brook	NA14OAR4170069	1,126,431	-
Sea Grant Support	11.417		-	(2)	University Of Wisconsin Madison	NA14OAR4170092	(2)	-
			80,220	1,168,096			1,248,316	-
Coastal Zone Management Administration Awards	11.419		-	378	Brooklyn College	CM00000515	378	-
National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	11.432		-	2,548	University Of Illinois At Urbana-Champaign	NA17OAR4320152	2,548	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Center for Sponsored Coastal Ocean Research Coastal Ocean Program	11.478		13,498	-		-	13,498	-
Department of Commerce Total			<u>754,034</u>	<u>1,177,660</u>			<u>1,931,694</u>	-
Department of the Interior								
Great Lakes Restoration	15.662		-	(3)	Oswego County Soil And Water Conservation District	F15AP00737	(3)	-
Great Lakes Restoration	15.662		-	41,966	Oswego County Soil And Water Conservation District	F17AP00243	41,966	-
			<u>-</u>	<u>41,963</u>			<u>41,963</u>	-
Assistance to State Water Resources Research Institutes	15.805		-	41,832	University Of Illinois At Urbana-Champaign	G16AP00001	41,832	-
Department of the Interior Total			<u>-</u>	<u>83,795</u>			<u>83,795</u>	-
Department of Justice								
Juvenile Mentoring Program	16.726		-	379,166	National 4-H Council	2016-JU-FX-0022	379,166	282,627
Juvenile Mentoring Program	16.726		-	27,195	National 4-H Council	2017-JU-FX-0016	27,195	12,141
Department of Justice Total			<u>-</u>	<u>406,361</u>			<u>406,361</u>	<u>294,768</u>
Department of State								
Academic Exchange Programs - Hubert H. Humphrey Fellowship Program	19.010		-	(10,228)	Institute Of International Education	S-ECAGD-16-CA-1014	(10,228)	-
Academic Exchange Programs - Hubert H. Humphrey Fellowship Program	19.010		-	216,633	Institute Of International Education	S-ECAGD-17-CA-1020	216,633	-
Department of State Total			<u>-</u>	<u>206,405</u>			<u>206,405</u>	-
Department of the Treasury								
Department of the Treasury, Other	21.U01	TFSA-OFR-16-IA-0011	78,980	-		-	78,980	-
National Endowment for the Arts								
Promotion of the Arts Partnership Agreements	45.025		-	466	Mid Atlantic Arts Foundation	85778	466	-
Promotion of the Arts Partnership Agreements	45.025		-	2,614	Mid Atlantic Arts Foundation	17-6100-2052	2,614	-
			<u>-</u>	<u>3,080</u>			<u>3,080</u>	-
Promotion of the Humanities Federal/State Partnership	45.129		-	3,097	Humanities New York	3144602	3,097	-
Promotion of the Humanities Division of Preservation and Access	45.149		126,264	-		-	126,264	-
Promotion of the Humanities Office of Digital Humanities	45.169		252,425	-		-	252,425	-
National Leadership Grants	45.312		2,824	-		-	2,824	-
National Endowment for the Arts Total			<u>381,513</u>	<u>6,177</u>			<u>387,690</u>	-
Environmental Protection Agency								
National Estuary Program	66.456		151,783	-		-	151,783	-
Great Lakes Program	66.469		-	18,762	Sea Grant U Of Minnesota	GL-00E01900	18,762	-
Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies	66.716		-	24,360	Extension Foundation	83698001	24,360	-
Solid Waste Management Assistance Grants	66.808		6,284	-		-	6,284	-
Environmental Protection Agency Total			<u>158,067</u>	<u>43,122</u>			<u>201,189</u>	-
Nuclear Regulatory Commission								
Nuclear Regulatory Commission, Other	77.U01	NRC-HQ-12-C-37-0039	(347)	-		-	(347)	-
Nuclear Regulatory Commission, Other	77.U02	NRC-HQ-7B-17-C-0001	79,074	-		-	79,074	-
Nuclear Regulatory Commission Total			<u>78,727</u>	<u>-</u>			<u>78,727</u>	-
Department of Energy								
Office of Science Financial Assistance Program	81.049		-	20,168	Massachusetts Institute Of Technology	83186	20,168	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University

Schedule of Expenditures of Federal Awards

Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Department of Education								
Department of Education, Other	84.U01	015-047	-	569,071	NYS Dept Of Education	015-047	569,071	-
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	84.015		1,336,481	-			1,336,481	348,847
Overseas Programs - Group Projects Abroad	84.021		81,482	-			81,482	41,935
Rehabilitation Services Vocational Rehabilitation Grants to States	84.126		-	1,628	NYS Office Of Children And Family Services	C027959	1,628	-
Rehabilitation Services Vocational Rehabilitation Grants to States	84.126		-	281,893	NYS Dept Of Education	68217	281,893	-
Rehabilitation Services Vocational Rehabilitation Grants to States	84.126		-	60,066	NYS Dept Of Education	018-010	60,066	-
Rehabilitation Services Vocational Rehabilitation Grants to States	84.126		-	47,051	NYS Dept Of Education	MOU#015-012	47,051	-
			-	390,638			390,638	-
Rehabilitation Training Continuing Education	84.264		-	345,638	Institute For Educational Leadership	H264H150006	345,638	-
Twenty-First Century Community Learning Centers	84.287		-	3,408	Odessa-Montour Central School District	86620	3,408	-
			1,417,963	1,308,755			2,726,718	390,782
Department of Education Total								
National Archives and Records Administration								
National Historical Publications and Records Grants	89.003		53,804	-			53,804	-
Department of Health and Human Services								
Department of Health and Human Services, Other	93.U01	C027777	-	96,606	NYS Office Of Children And Family Services	C027777	96,606	-
Guardianship Assistance	93.090		-	51	NYS Office Of Children And Family Services	C027959	51	-
Affordable Care Act (ACA) Personal Responsibility Education Program	93.092		-	81,241	NYS Dept Of Health	DOH01-C33137GG-3450000	81,241	-
Food and Drug Administration Research	93.103		47,672	-			47,672	-
Food and Drug Administration Research	93.103		-	57,729	NYS Dept Of Ag & Markets	T200875	57,729	-
			47,672	57,729			105,401	-
Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program	93.235		-	157,673	NYS Dept Of Health	DOH01-C33137GG-3450000	157,673	-
Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	93.323		-	116,304	Health Research Inc	6NU50CK000423-04-01	116,304	-
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		1,085,564	-			1,085,564	-
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		-	3,544	Independent Living Research Utilization Program	90DPAD0001	3,544	-
			1,085,564	3,544			1,089,108	-
Pregnancy Assistance Fund Program	93.500		-	10,391	Health Research Inc	5SP1AH000025-04-00	10,391	-
Pregnancy Assistance Fund Program	93.500		-	213,265	Health Research Inc	6SP1AH0000410101	213,265	-
			-	223,656			223,656	-
Developmental Disabilities Basic Support and Advocacy Grants	93.630		-	8,437	NYS Developmental Disabilities Planning Council	C024311	8,437	-
Developmental Disabilities Basic Support and Advocacy Grants	93.630		-	264,989	NYS Developmental Disabilities Planning Council	C024312	264,989	27,867
Developmental Disabilities Basic Support and Advocacy Grants	93.630		-	53,143	NYS Developmental Disabilities Planning Council	C024324	53,143	-
Developmental Disabilities Basic Support and Advocacy Grants	93.630		-	44,322	NYS Developmental Disabilities Planning Council	-	44,322	-
			-	370,891			370,891	27,867
Foster Care Title IV-E	93.658		-	45,820	NYS Office Of Children And Family Services	C027777	45,820	-
Foster Care Title IV-E	93.658		-	9,598	NYS Office Of Children And Family Services	C027959	9,598	-
			-	55,418			55,418	-

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2018

Federal Program	CFDA	Additional Award Identification	Direct	Pass-Through	Pass-Through Entity	Pass-Through Entity Identifying Number	Total Expenditures	Passed to Sub-Recipients
Adoption Assistance	93.659		-	269,194	NYS Office Of Children And Family Services	C027777	269,194	-
Assistance for Oral Disease Prevention and Control	93.875		-	19,026	Health Research Inc	5 NU58DP002005-02-00	19,026	-
Maternal and Child Health Services Block Grant to the States	93.994		-	106,277	NYS Dept Of Health	DOH01-C33137GG-3450000	106,277	-
Maternal and Child Health Services Block Grant to the States	93.994		-	583,213	NYS Dept Of Health	C028219	583,213	120,062
			-	689,490			689,490	120,062
Department of Health and Human Services Total			1,133,236	2,140,823			3,274,059	147,929
Social Security Administration								
Social Security - Work Incentives Planning and Assistance Program	96.008		-	201,366	NYS Office Of Temporary And Disability Assistance	C021242	201,366	-
Department of Homeland Security								
Disaster Grants - Public Assistance (Presidentially Declared Disasters)	97.036		132,476	-		-	132,476	-
Total Other Awards			20,721,495	6,200,518			26,922,013	1,379,672
Total Federal Award Expenditures			\$ 602,551,558	\$ 76,413,095			678,964,653	60,924,007

The accompanying notes are an integral part of the Schedule of Expenditures of Federal Awards.

Cornell University
Notes to the Schedule of Expenditures of Federal Awards
June 30, 2018

1. Significant Accounting Policies

The accompanying Schedule of Expenditures of Federal Awards includes the federal grant, contract, and cooperative agreement activity of Cornell University (the “University”) and is presented on the accrual basis of accounting. Negative amounts represent current year adjustments of amounts reported in prior years. CFDA and pass-through entity numbers are included when available. The information in the schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Awards (Uniform Guidance). Therefore, some amounts presented in this schedule may differ from amounts presented in, or used in the preparation of, the consolidated financial statements.

2. Facilities and Administrative Costs

The University applies its predetermined approved facilities and administrative rate (“F&A”) when charging indirect costs to federal awards rather than the 10% de minimis cost rate as described in Section 200.414 of the Uniform Guidance.

Ithaca Campus: F&A cost rates for the Ithaca campus have been finalized through fiscal year 2021 as predetermined rates pursuant to the Department of Health and Human Services (DHHS) rate agreement dated July 10, 2017. Provisional rates have been established for fiscal year 2022 and beyond.

Weill Cornell Medicine: F&A cost rates for Weill Cornell Medicine (WCM) have been finalized through fiscal year 2020 as predetermined rates pursuant to the DHHS rate agreement dated May 9, 2017. Provisional rates have been established for fiscal year 2021 and beyond.

3. Student Loan Programs

The federal student loan programs are administered directly by the University and balances and transactions relating to these programs are included in the University’s consolidated financial statements. Included within the Schedule of Expenditures of Federal Awards are loan beginning balances, new loans and administrative cost allowance from the Perkins Loan Program and Health Professions Student Loans. Included below are the loan balances for the year ended June 30, 2018.

	<u>CFDA Number</u>	<u>Amount Outstanding</u>
Federal Perkins Loan Program	84.038	\$ 35,204,843
Health Professions Student Loan Program, including Primary Care Loans and Loans for Disadvantaged Students	93.342	<u>4,837,059</u>
Grand Total		<u>\$ 40,041,902</u>



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

To the Board of Trustees
Cornell University

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the consolidated financial statements of Cornell University (the "University"), which comprise the consolidated statements of financial position as of June 30, 2018, and the related consolidated statement of activities and statement of cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated November 1, 2018.

Internal Control Over Financial Reporting

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

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

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



Compliance and Other Matters

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

Purpose of this Report

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

PricewaterhouseCoopers LLP

November 1, 2018



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

To the Board of Trustees
Cornell University

Report on Compliance for Each Major Federal Program

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

Management's Responsibility

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

Auditors' Responsibility

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

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

Opinion on Each Major Federal Program

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



Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying schedule of findings and questioned costs as items 2018-001 and 2018-002. Our opinion on each major federal program is not modified with respect to these matters.

The University's response to the noncompliance findings identified in our audit is described in the accompanying schedule of findings and questioned costs and management's views and corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control Over Compliance

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

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

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified a certain deficiency in internal control over compliance, as described in the accompanying schedule of findings and questioned costs as item 2018-002 that we consider to be a significant deficiency.



The University's response to the internal control over compliance findings identified in our audit is described in the accompanying schedule of findings and questioned costs and management's views and corrective action plan. The University's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

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

PricewaterhouseCoopers LLP

March 15, 2019

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

Section I – Summary of Auditor’s Results

Financial Statements

Type of auditor’s report issued: Unmodified

Internal control over financial reporting:

- Material weakness(es) identified? _____ Yes X No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? _____ Yes X None reported
- Noncompliance material to financial statements noted? _____ Yes X No

Federal Awards

Internal control over major programs:

- Material weakness(es) identified? _____ Yes X No
- Significant deficiency(ies) identified that are not considered to be material weaknesses? X Yes _____ None reported

Type of auditor’s report issued on compliance for major programs: Unmodified

Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)? _____ X Yes _____ No

Identification of major programs:

<i>CFDA Number(s) or Grantor ID No.</i>	<i>Name of Federal Program or Cluster</i>
Various	Research and Development Cluster
Various	Student Financial Assistance Cluster
10.500	Department of Agriculture – Cooperative Extension Service

Dollar threshold used to distinguish between Type A and Type B programs: \$3,000,000

Auditee qualified as low-risk auditee? _____ X Yes _____ No

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

Section II – Financial Statement Findings

None noted.

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

Section III – Federal Award Findings and Questioned Costs

2018 – 001 Non-Compliance with Maximum Direct Loan Eligibility Requirements

Grantor: U.S. Department of Education
Program Name: Student Financial Assistance Cluster
Award Name: Federal Direct Loan Program
Award Year: Fiscal Year 2018
Award Number: Not applicable
CFDA Number: 84.268

Criteria:

Per 34 CFR 685.203, the total amount of Federal Direct Unsubsidized Loans, excluding the amount of capitalized interest, for a dependent undergraduate student may not exceed \$31,000 minus any Direct Subsidized Loan, unless the student qualifies for additional eligibility.

Condition:

We reviewed a sample of 40 students from the Ithaca campus who received student financial assistance during the fiscal year. One of the 40 received an aggregate of \$33,000 in Federal Direct Subsidized and Federal Direct Unsubsidized Loans. Of the \$33,000 received, \$25,500 was received in previous years and \$7,500 was received in the current year.

Questioned Costs:

\$2,000

Cause:

The University tracked aggregate Direct Loan eligibility using a PeopleSoft query rather than using National Student Loan Data System (NSLDS) data fields from the Institutional Student Information Report (ISIR). The PeopleSoft query did not include complete and accurate information on the aggregate loans provided to this student.

Effect:

Awarding aid in excess of the maximum loan limit resulted in disbursement of excess federal aid to this student.

Recommendation:

We recommend the University use the source NSLDS information from the ISIR populated within PeopleSoft for all students who received federal aid to appropriately review aggregate limits for Direct Loans.

Management's Response:

Management Views and Corrective Action Plan is included at the end of this report after the summary schedule of prior audit findings and status.

Cornell University

Schedule of Findings and Questioned Costs

Year Ended June 30, 2018

2018 – 002 Non-Compliance with Timely and Accurate Student Enrollment Change Submissions to the National Student Loan Data System (NSLDS) – Significant Deficiency

Grantor: U.S. Department of Education

Program Name: Student Financial Assistance Cluster

Award Names: Federal Supplemental Education Opportunity Grants, Federal Perkins Loan Program, Federal Pell Grant Program and Federal Direct Loan Program

Award Year: Fiscal Year 2018

Award Number: Not applicable

CFDA Numbers: 84.007, 84.038, 84.063 and 84.268

Criteria:

In accordance with 34 CFR sections 674.19(f), 685.309(b), and 690.83(b)(2), “upon receipt of an enrollment report from the Secretary (U.S. Department of Education, Secretary of Education), a school must update all information included in the report and return the report to the Secretary, in the manner and format prescribed by the Secretary and within the timeframe prescribed by the Secretary. Unless it expects to submit its next updated enrollment report to the Secretary within the next 60 days, a school must notify the Secretary within 30 days after the date the school discovers that a loan under Title IV of the Act was made to or on behalf of a student who was enrolled or accepted for enrollment at the school, and the student has ceased to be enrolled on at least a half-time basis or failed to enroll on at least a half-time basis for the period for which the loan was intended.”

Condition:

We noted the following:

- In the summer of 2017, management determined that all students enrolled at the University’s Ithaca campus were reported to NSLDS as full-time, regardless of their level of attendance (full-time, three-quarter-time, half-time or less-than-half-time). Beginning in the spring 2018 semester, management updated the NSLDS reporting process to include the appropriate level of attendance for each student. This was also noted in our testing as we reviewed a sample of four students whose level of attendance (full-time, three-quarter-time, half-time or less-than half-time) changed from the beginning of the spring 2018 semester to the end of the fiscal year and did not have any exceptions.
- We reviewed a sample of 61 students enrolled at the University’s Ithaca campus who graduated or withdrew from the University either prior to or after the student began attendance. Of the 61 students tested, two students (one in Graduate School and one in Johnson Graduate School of Management) were reported to NSLDS either inaccurately or untimely. Of the two students, one student was input using an incorrect effective date which was reported to NSLDS 281 days late. One student, who had an accurate effective date, was reported to NSLDS 286 days late. This is a repeat of the prior year finding (2017-004).

Questioned Costs:

None

Cause:

As part of the prior year corrective action plan, the University was in the process of formally documenting policies and procedures specific to their National Student Clearinghouse (NSC)/NSLDS enrollment reporting practices to ensure all involved in the processing of such records had a full and detailed understanding of reporting processes

Cornell University

Schedule of Findings and Questioned Costs

Year Ended June 30, 2018

and requirements. As part of this process, in February 2018, the University redirected University Audit Office resources to the Office of Financial Aid and Student Employment and the Office of the University Registrar to review enrollment reporting changes and practices. Both of the exceptions noted had a status change date in August 2017 prior to the execution of the prior year corrective action plan and the redirection of resources. However, as the corrective action plan was not fully implemented during the fiscal year and given the finding is a repeat of prior year, it is deemed a significant deficiency.

Effect:

A student's enrollment status determines eligibility for in-school status, deferment, and grace periods, as well as for the payment of interest subsidies all of which are impacted by inaccurate and late reporting.

Recommendation:

We recommend the University continue to execute its prior year corrective action plan, process improvements and IT system enhancements, and to provide adequate training to the individuals responsible for updating students' electronic files to ensure status changes are reported accurately and timely to NSLDS.

Management's Response:

Management Views and Corrective Action Plan is included at the end of this report after the summary schedule of prior audit findings and status.

Cornell University

Summary Schedule of Prior Audit Findings and Status

Year Ended June 30, 2018

2017 – 001 – Non-Compliance with Master Promissory Note Requirements prior to Disbursement

Grantor: U.S. Department of Education
Program Name: Student Financial Assistance Cluster
Award Name: Federal Perkins Loan Program
Award Year: Fiscal Year 2017
Award Number: Not applicable
CFDA Number: 84.038

Condition:

PwC reviewed a sample of 34 students who were disbursed Federal Perkins Loans. One student from the Law School of the 34 did not have evidence of an executed master promissory note prior to disbursement. The University disbursed a total of \$8,000 of Federal Perkins Loans to this student during the 2017 fiscal year. This student first received Federal Perkins Loans in the fall semester of 2014.

Status:

- A review of all 2017-18 Perkins borrowers was completed by management to confirm that a Master Promissory note was on file.

2017 – 002 – Non-Compliance with Borrower Data Transmission and Reconciliation (Direct Loan) Requirements

Grantor: U.S. Department of Education
Program Name: Student Financial Assistance Cluster
Award Name: Federal Direct Loan Program
Award Year: Fiscal Year 2017
Award Number: Not applicable
CFDA Number: 84.268

Condition:

PwC reviewed a sample of three monthly Direct Loan reconciliations. Two of the three reconciliations were not performed on a timely basis, between two to four months after the month in which the institution was to reconcile the records.

Status:

- The Associate Director for Compliance and Regulation is currently designated as the responsible individual for these reconciliations on a monthly basis.
- Financial Aid and Student Employment (FASE) has formalized a process control that automatically documents the user name and date/ time stamp of when the reconciliation was completed to ensure timeliness and to document completion of this control.

Cornell University

Summary Schedule of Prior Audit Findings

Year Ended June 30, 2018

2017 – 003 – Non-Compliance with Return of Title IV Requirements – Significant Deficiency

Grantor: U.S. Department of Education

Program Name: Student Financial Assistance Cluster

Award Names: Federal Supplemental Education Opportunity Grants, Federal Pell Grant Program and Federal Direct Loan Program

Award Year: Fiscal Year 2017

Award Number: Not applicable

CFDA Numbers: 84.007, 84.063 and 84.268

Condition:

Out of a total population of 429 students who withdrew from the University and received Title IV funding, PwC examined a sample of 40 students.

PwC noted five instances (two in Law School and three in Undergraduate) in which the calculation of unearned funds to be returned was incorrect. The calculations excluded the 5 day consecutive Thanksgiving break which resulted in an over return of funds to the ED. Management identified the error towards the end of the fall semester, corrected the calculation and contacted students to have the portion over returned disbursed to their account. As the error was not identified by management in a timely manner, funds were not accurately calculated and returned within 45 days in accordance with 34 CFR section 668.173(b).

Status:

- Prior to the start of each academic year, the Office of the University Registrar (OUR) and Financial Aid and Student Employment (FASE) staff involved in Return of Title IV funds calculations met to review the Academic Calendar as published on the Cornell University website and determine if there are changes to the length of scheduled breaks.
- OUR continues to collect holiday break information from schools/colleges and documents them on the “Term Start and End Date” document. This document is stored on SharePoint and is accessible to FASE.
- OUR determined it was not feasible to maintain all university holiday dates in PeopleSoft.

2017 – 004 – Non-Compliance with Timely and Accurate Student Enrollment Change Submissions to the National Student Loan Data System (NSLDS) – Significant Deficiency

Grantor: U.S. Department of Education

Program Name: Student Financial Assistance Cluster

Award Names: Federal Supplemental Education Opportunity Grants, Federal Perkins Loan Program, Federal Pell Grant Program and Federal Direct Loan Program

Award Year: Fiscal Year 2017

Award Number: Not applicable

CFDA Numbers: 84.007, 84.038, 84.063 and 84.268

Condition:

PwC reviewed a sample of 60 students from the Ithaca campus who had a status change during the fiscal year. Of the 60 students requiring notification of the enrollment change to NSLDS, six students (one in Graduate School and five in Undergraduate) were reported to NSLDS either inaccurately or untimely. Of the six students, two students were input using incorrect effective dates of withdrawal which resulted in students not being reported to NSLDS within the required timeframe. Four students had accurate effective dates, however, they were not reported to NSLDS within the required timeframe. The reporting occurred from 61 days to 200 days after the institution determined date. This is a repeat finding of the prior year, 2016-003.

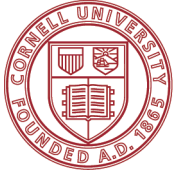
Cornell University

Summary Schedule of Prior Audit Findings

Year Ended June 30, 2018

Status:

- As part of the Title IV compliance program, a detailed business process document was developed as a result of OUR staff responsible for National Student Clearinghouse (NSC) processing undertaking a detailed review of the process flow.
- The NSC enrollment reporting schedule was extended to two weeks after the end of the term.
- The OUR withdrawal date process document was updated. As part of the Title IV compliance program, the process document was formalized and codified in University Policy 7.3 Processing and Reporting Student Enrollment Status Under Title IV.
- PeopleSoft queries were developed to identify students whose degrees were posted to a semester in which they were on leave of absence, and students whose degrees were posted after the end of the NSC enrollment period. OUR staff responsible for NSC processing run queries monthly and, if necessary, manually update NSLDS and NSC.
- Schools/Colleges place on leave of absence or withdraw students who fail to graduate after their expected graduation term.



Cornell University

Division of Financial
Affairs

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Management Views and Corrective Action Plan Year Ended June 30, 2018

The following findings were noted during the audit of Federal programs in accordance with 2 CFR 200. Management of Cornell University agrees with these findings and proposes the following Corrective Action Plans:

Finding Number 2018 – 001: Non-Compliance with Maximum Direct Loan Eligibility Requirements

Corrective Action Plan:

Management agrees with the importance of monitoring student Direct Loan eligibility and appropriately awarding students based on established aggregate loan limits. The root cause of this issue was the reliance on PeopleSoft aggregate data to monitor combined aggregate loan limits between Subsidized and Unsubsidized Direct Loans instead of National Student Loan Data System (NSLDS) aggregate loan data.

To address this specific finding, the Office of Financial Aid and Student Employment (FASE) has canceled the excess aid and replaced it with institutional funds. FASE has also taken the following remediation steps:

- A review of all 2017-18 NSLDS aggregate loan limits was completed in November 2018 to ensure compliance for the remaining population.
- In November 2018, FASE updated their secondary query control for monitoring combined aggregate over awards.
- FASE researched, tested, and implemented alternate system functionality that looks directly at NSLDS data within PeopleSoft populated by the most recent Institutional Student Information Record and record of transfer monitoring. This will be closely monitored and validated by June 2019.

Responsible individuals: Director of Financial Aid and Student Employment, Diane Corbett
Interim Vice Provost for Enrollment, Jason Locke

Due date: June 30, 2019

Finding Number 2018 – 002 Non-Compliance with Timely and Accurate Student Enrollment Change Submissions to the National Student Loan Data System (NSLDS)

Corrective Action Plan:

Management agrees that timely and accurate reporting of Enrollment status changes to NSLDS is critical to maintaining compliance with Title IV.

- Several design and process improvements have been implemented that have allowed the Office of the University Registrar (OUR) to enhance the Title IV compliance activities, including:

- To streamline communications related to student withdrawals OUR is utilizing an email ticketing system. In August 2018, College Registrars were directed to send communications related to withdrawals to the ticketing system. Multiple individuals in the office are managing the ticketing system queue, and individuals are assigned responsibility for acting upon and responding to the messages.
- OUR is identifying students who were on leave of absence immediately prior to their degree being posted by their college. The office is comparing the list of degree recipients to the data that was reported to NSLDS and is updating gradation status to National Student Clearinghouse (NSC) and NSLDS as necessary. The process was put in place beginning with the May 2018 degree cohort and is ongoing for each degree date.
- In October 2018, an enhancement to PeopleSoft was implemented that allows OUR to upload NSLDS enrollment data to PeopleSoft. By having NSLDS data in PeopleSoft, the office is able to directly compare and validate students' enrollment data. Reports allow for easier identification of data discrepancies and therefore more timely updates to NSLDS.
- OUR is tracking the withdrawal notification date provided by the college registrar. If the notification date is more than 30 days after the date of institutional knowledge, the office is evaluating the dates against the NSLDS reporting schedule and is manually updating NSLDS if necessary. Beginning in November 2018 automated notifications from PeopleSoft alert the office to these withdrawals.
- OUR is tracking degrees that are posted after the agreed upon deadline. Beginning in November 2018, automated notifications from PeopleSoft alert the office when degrees are posted after the deadline. The office is comparing the list of degree recipients to the data that was reported to NSLDS and is updating gradation status to NSC and NSLDS as necessary.
- OUR engaged a consultant to develop documentation for all of its Title IV compliance activities. The documentation is in progress and a final version is expected in late March 2019. The documentation will be updated and maintained as necessary. It will be available to and reviewed with all individuals involved in NSLDS reporting activities on a regular basis.

Responsible individuals: Interim University Registrar, Lisa Clark
Interim Vice Provost for Enrollment, Jason Locke

Due date: June 30, 2019

Signed,



William Sibert
Associate Vice President and
University Controller