

Cornell University

**Reports on Federal Awards in
Accordance with Uniform Guidance**

June 30, 2016

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Cornell University

Index

June 30, 2016

	Page(s)
Report of Independent Auditors	1–2
Consolidated Financial Statements	3–6
Notes to Consolidated Financial Statements	7–32
Schedule of Expenditures of Federal Awards Part A, Award Expenditure Detail.....	33–66
Schedule of Expenditures of Federal Awards Part B, Summary of Program Clusters	67–98
Schedule of Expenditures of Federal Awards Part C, Federal Loan Program Year End Balances	99
Notes to Schedule of Expenditures of Federal Awards	100
Report of Independent Auditors on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with <i>Government Auditing Standards</i>	101–102
Report of Independent Auditors on Compliance with Requirements That Could Have a Direct and Material Effect On Each Major Program and on Internal Control Over Compliance in Accordance with Uniform Guidance	103–104
Schedule of Findings and Questioned Costs.....	105–111
Schedule of Status of Prior Audit Findings	112–113
Management’s Corrective Action Plan.....	114–117



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, ("University"), which comprise the consolidated statement of financial position as of June 30, 2016 and the related consolidated statements of activities and of cash flows for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Consolidated Financial Statements

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

Auditors' Responsibility

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

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

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of Cornell University at June 30, 2016, and the changes in their net assets and their cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.



Other Matters

We have previously audited the consolidated balance sheet as of June 30, 2015, and the related consolidated statements of activities and cash flows for the year then ended (not presented herein), and in our report dated October 22, 2015, 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, 2015 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 Part A, Award Expenditure Detail, Part B, Summary of Program Clusters, and Part C, Federal Loan Program Year End Balances for the year ended June 30, 2016 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 October 27, 2016 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, 2016. The purpose of that report is 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 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.

A handwritten signature in blue ink that reads "PricewaterhouseCoopers LLP".

October 27, 2016

CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

AS OF JUNE 30, 2016 AND JUNE 30, 2015 (in thousands)

	2016	2015
Assets		
1 Cash and cash equivalents	\$ 182,096	\$ 149,753
2 Accounts receivable, net (note 2-A)	404,061	414,607
3 Contributions receivable, net (note 2-B)	986,322	1,093,843
4 Prepaid expenses and other assets	151,031	142,420
5 Student loans receivable, net (note 2-C)	80,956	76,987
6 Investments (note 3)	6,587,175	6,986,920
7 Land, buildings, and equipment, net (note 4)	4,009,285	3,788,376
8 Funds held in trust by others (note 5)	124,960	118,381
9 Total assets	<u>\$ 12,525,886</u>	<u>\$ 12,771,287</u>
Liabilities		
10 Accounts payable and accrued expenses	\$ 713,414	\$ 593,797
11 Deferred revenue and other liabilities	262,694	237,289
12 Obligations under split interest agreements (note 5)	135,444	139,857
13 Deferred benefits (note 6)	656,410	527,574
14 Funds held for others (note 7)	153,065	195,533
15 Bonds and notes payable (note 8)	1,515,135	1,542,834
16 Government advances for student loans	50,730	52,992
17 Total liabilities	<u>3,486,892</u>	<u>3,289,876</u>
Net assets (note 11)		
18 Unrestricted	2,698,090	2,970,754
19 Temporarily restricted	3,204,004	3,577,319
20 Permanently restricted	3,136,900	2,933,338
21 Total net assets	<u>9,038,994</u>	<u>9,481,411</u>
22 Total liabilities and net assets	<u>\$ 12,525,886</u>	<u>\$ 12,771,287</u>

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

CONSOLIDATED STATEMENT OF ACTIVITIES FOR THE YEAR-ENDED JUNE 30, 2016 (in thousands)

(WITH SUMMARIZED INFORMATION FOR THE YEAR-ENDED JUNE 30, 2015)

	Unrestricted	Temporarily Restricted
Operating revenues		
1 Tuition and fees	\$ 998,942	\$ -
2 Scholarship allowance	(352,179)	-
3 Net tuition and fees	646,763	-
4 State and federal appropriations	149,138	-
5 Grants, contracts and similar agreements		
6 Direct	444,656	-
7 Indirect cost recoveries	142,010	-
8 Contributions	115,311	151,315
9 Investment return, distributed	197,725	130,181
10 Medical Physician Organization	1,050,886	-
11 Auxiliary enterprises	160,853	-
12 Educational activities and other sales and services	620,376	-
13 Net assets released from restrictions	230,362	(230,362)
14 Total operating revenues	<u>3,758,080</u>	<u>51,134</u>
Operating expenses (note 10)		
15 Compensation and benefits	2,450,545	-
16 Purchased services	274,626	-
17 Supplies and general	704,638	-
18 Maintenance and facilities costs	122,266	-
19 Interest expense (note 8)	82,870	-
20 Depreciation	258,698	-
21 Total operating expenses	<u>3,893,643</u>	<u>-</u>
22 Change in net assets from operating activities	<u>(135,563)</u>	<u>51,134</u>
Nonoperating revenues and (expenses)		
23 State appropriations for capital acquisitions	41,604	-
24 Grants, contracts and similar agreements for capital acquisitions	39,592	-
25 Contributions for capital acquisitions, trusts and endowments	16,919	87,770
26 Investment return, net of amount distributed	(192,927)	(303,202)
27 Change in value of split interest agreements	369	(4,378)
28 Pension and postretirement changes other than net periodic costs	(123,342)	-
29 Change in value of interest rate swaps	(89,965)	-
30 Other	(65)	-
31 Net asset released for capital acquisitions and reclassifications	170,714	(204,639)
32 Change in net assets from nonoperating activities	<u>(137,101)</u>	<u>(424,449)</u>
33 Change in net assets	(272,664)	(373,315)
34 Net assets, beginning of the year	2,970,754	3,577,319
35 Net assets, end of the year	<u>\$ 2,698,090</u>	<u>\$ 3,204,004</u>

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

Permanently Restricted	2016 Total	2015 Total	
\$ -	\$ 998,942	\$ 963,722	1
-	(352,179)	(352,668)	2
-	646,763	611,054	3
-	149,138	148,712	4
-	444,656	461,329	5
-	142,010	133,439	6
-	266,626	320,956	7
-	327,906	314,342	8
-	1,050,886	927,579	9
-	160,853	157,523	10
-	620,376	561,697	11
-	-	-	12
-	-	-	13
-	3,809,214	3,636,631	14
-	2,450,545	2,297,837	15
-	274,626	255,159	16
-	704,638	625,337	17
-	122,266	134,069	18
-	82,870	89,447	19
-	258,698	259,776	20
-	3,893,643	3,661,625	21
-	(84,429)	(24,994)	22
-	41,604	28,279	23
-	39,592	11,391	24
140,980	245,669	316,610	25
29,044	(467,085)	(66,983)	26
(227)	(4,236)	(12,050)	27
-	(123,342)	(47,423)	28
-	(89,965)	(16,419)	29
(160)	(225)	49,620	30
33,925	-	-	31
203,562	(357,988)	263,025	32
203,562	(442,417)	238,031	33
2,933,338	9,481,411	9,243,380	34
\$ 3,136,900	\$ 9,038,994	\$ 9,481,411	35

CONSOLIDATED STATEMENTS OF CASH FLOWS

FOR THE YEARS-ENDED JUNE 30, 2016 AND JUNE 30, 2015 (in thousands)

	2016	2015
Cash flows from operating activities		
1 Change in net assets	\$ (442,417)	\$ 238,031
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	(293,552)	(343,906)
3 Depreciation	258,698	259,776
4 Net realized and unrealized (gain)/loss on investments	202,286	(146,283)
5 Pension and postretirement changes other than net periodic costs	123,342	47,423
6 Change in value of interest rate swaps	89,965	16,419
7 Loss on disposals of land, building, and equipment	4,181	2,285
8 Other adjustments	(22,102)	(2,348)
Change in assets and liabilities		
9 Accounts receivable, net	10,546	22,153
10 Contributions receivable, net	107,521	(274)
11 Prepaid expenses and other assets	(2,618)	(45,475)
12 Accounts payable and accrued expenses	39,547	16,447
13 Deferred revenue and other liabilities	25,405	(47,577)
14 Obligations under split interest agreements	(10,992)	9,464
15 Deferred benefits	5,494	3,700
16 Net cash provided/(used) by operating activities	<u>95,304</u>	<u>29,835</u>
Cash flows from investing activities		
17 Proceeds from the sale and maturities of investments	9,900,735	6,643,108
18 Purchase of investments	(9,723,130)	(6,630,290)
19 Acquisition of land, buildings, and equipment (net)	(471,367)	(335,823)
20 Student loans granted	(17,273)	(16,109)
21 Student loans repaid	13,090	11,524
22 Change in funds held for others, net of unrealized (gain)/loss on investments	(28,102)	(22,427)
23 Net cash used by investing activities	<u>(326,047)</u>	<u>(350,017)</u>
Cash flows from financing activities		
Proceeds from contributions for capital acquisitions, trusts and endowments		
24 Investment in endowments	207,687	251,006
25 Investment in physical plant	81,219	87,702
26 Investment subject to living trust agreements	4,646	5,198
27 Principal payments of bonds and notes payable	(181,767)	(42,951)
28 Proceeds from issuance of bonds and notes payable	154,068	15,390
29 Bond issuance costs incurred	(505)	-
30 Government advances for student loans	(2,262)	717
31 Net cash provided by financing activities	<u>263,086</u>	<u>317,062</u>
32 Net change in cash and cash equivalents	32,343	(3,120)
33 Cash and cash equivalents, beginning of year	149,753	152,873
34 Cash and cash equivalents, end of year	<u>\$ 182,096</u>	<u>\$ 149,753</u>
Supplemental disclosure of cash flow information		
35 Cash paid for interest	\$ 93,900	\$ 93,759
36 Increase/(decrease) in construction payables, non-cash activity	\$ 9,895	\$ (1,951)
37 Gifts-in-kind	\$ 16,562	\$ 2,749

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. It has been described as the first truly American university because of its founders' revolutionary egalitarian and practical vision of higher education, and is dedicated to its land-grant mission of outreach and public engagement. Cornell's community includes over 22,900 students, nearly 3,700 faculty, and about 274,000 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 and a physician organization as part of Weill Cornell Medicine), 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 (the 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 and Weill Cornell Medicine (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 university, Contract Colleges, and WCM, 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 of 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 ("the 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.

Fair value for Level 2 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 instruments 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 change in fair value is recorded as other 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 remainder 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 the 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 the assets or the present value of the 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 the 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 increasing amounts from the endowment over time 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 of the Board of Trustees.

The University applies the "prudent person" standard when making its decision 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, 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, or payout, 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, or any of the factors for prudent judgment described above.

Total distributions, or spending, reflected on the consolidated statement of activities 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 (i.e., "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 negotiated predetermined rates. Amounts received in advance and in excess of incurred expenditures are recorded as deferred revenues.

M. Medical Physician Organization

The Medical Physician Organization provides the management structure for the practice of medicine in an academic medical center. In addition to conducting instructional and research activities, physician members generate clinical practice income from their professional services to patients. Also reflected as University revenues are Medical Physician Organization fees. Expenses of the clinical practice, including physician compensation, administrative operations, and provision for uncollectible accounts, are reflected as University expenses. Net assets resulting from the activities of the Medical Physician Organization are designated for the respective clinical departments of WCM.

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 primarily related 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 Financial Accounting Standards Board (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 continues to evaluate the impact this will have on the consolidated financial statements, and is closely monitoring changes deliberated by the FASB related to its implementation.

In April 2015, the FASB issued ASU 2015-03—Imputation of Interest (Subtopic 835-30): Simplifying the Presentation of Debt Issuance Costs, which requires all costs incurred to issue debt to be presented in the balance sheet as a direct deduction from the carrying value of the associated debt liability. The University is evaluating the impact this will have on the consolidated financial statements for the fiscal year ending June 30, 2017, the first year in which the standard is effective.

In April 2015, the FASB also issued ASU 2015-05—Intangibles - Goodwill and Other Internal-Use Software (Subtopic 350-40): Customer's Accounting for Fees Paid in a Cloud Computing Arrangement which provides guidance to help entities evaluate whether a cloud computing arrangement includes a software license. The University is evaluating the impact of the new guidance which is effective in the fiscal year ending June 30, 2017.

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.

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 on 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 currently evaluating both the impact on the consolidated financial statements and the timing of its adoption.

Q. Reclassifications

The University reclassified certain lines in the consolidated statement of cash flows to conform to the current year presentation. These changes impacted the net realized and unrealized gain/loss on investments, change in funds held for others, and cash paid for interest.

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 it 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

	2016	2015
Grants and contracts	\$ 85,386	\$ 118,178
New York Presbyterian Hospital and other affiliates	44,603	41,637
Patients (net of contractual allowances)	131,669	119,077
Reinsurance receivable	102,891	95,424
Student accounts	7,200	11,636
Other	68,224	54,782
Gross accounts receivable	\$ 439,973	\$ 440,734
Less: allowance for doubtful accounts	(35,912)	(26,127)
Net accounts receivable	\$ 404,061	\$ 414,607

The patient accounts receivable for medical services was comprised of the following at June 30, 2016 and 2015, respectively: commercial third parties 64.4 percent and 59.5 percent; federal/state government 15.3 percent and 19.1 percent; and patients 20.2 percent and 21.5 percent. Note 12 provides additional information related to the reinsurance receivable.

Other accounts receivable include receivables from other government agencies, matured bequests, and receivables from 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 1.5 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

	2016	2015
Less than one year	\$ 366,885	\$ 356,473
Between one and five years	561,661	703,052
More than five years	155,652	164,546
Gross contributions receivable	\$ 1,084,198	\$ 1,224,071
Less: unamortized discount	(67,371)	(84,658)
Less: allowance for uncollectible amounts	(30,505)	(45,570)
Net contributions receivable	\$ 986,322	\$ 1,093,843

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

EXPECTED PURPOSE OF CONTRIBUTIONS RECEIVABLE

	2016	2015
Program support	\$ 521,273	\$ 563,993
Capital purposes	289,949	351,558
Long-term support	175,100	178,292
Net contributions receivable	\$ 986,322	\$ 1,093,843

At June 30, 2016, conditional promises not reflected in the consolidated financial statements, which consist primarily of bequest intentions and conditional promises with significant requirements, were \$507,794.

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.

Credit worthiness is not a factor when granting a student a loan from institutional or federal resources; it is based on financial need. However, once the loan is in repayment status, the University monitors, no less than quarterly, the aging of the student loans receivable. If a loan is 75 days past due, the University generally will not release a transcript and/or diploma. If the loan is 180 days past due, the University evaluates whether to assign the account to an external agency for collection.

The University Bursar is required to authorize any write-off of a student loan receivable; such write-offs are based primarily on the aging report and an evaluation of any recent activity in the account. Overall default rates and an evaluation of general economic conditions are reviewed at least annually. The University, because of its close and continuing relationship with its students and graduates, seeks to work closely with the students to help ensure repayment. At June 30, 2016, the average default rate approximates 11.3 percent, with a rate of approximately 2.8 percent on the federal revolving loan portfolio. Student loans are considered to be in default status when over 150 days past due. The average rate includes both the federal loans and the institutional loans.

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 two tables below provide additional information about the student loan receivables and the allowances associated with federal and institutional loan programs.

SUMMARY OF STUDENT LOANS RECEIVABLE

	2016			2015
	Receivable	Allowance	Net receivable	Net receivable
Federal revolving loans	\$ 54,074	\$ (2,360)	\$ 51,714	\$ 47,787
Institutional loans	31,743	(2,501)	29,242	29,200
Total student loans receivable	\$ 85,817	\$ (4,861)	\$ 80,956	\$ 76,987

CHANGE IN STUDENT LOAN ALLOWANCE

	2016			2015
	Federal revolving	Institutional	Total allowance	Total allowance
Allowance at beginning of year	\$ (2,311)	\$ (2,336)	\$ (4,647)	\$ (4,246)
Current year provisions	(49)	83	34	(611)
Current year write-offs	-	(248)	(248)	210
Allowance at end of year	\$ (2,360)	\$ (2,501)	\$ (4,861)	\$ (4,647)

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 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.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

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

INVESTMENT POOLS/CATEGORIES AT FAIR VALUE

	2016	2015
Long-term investments (LTI)		
Long-term investment pool (LTIP)	\$ 5,629,008	\$ 5,973,740
Other LTI	343,333	315,583
Total LTI	<u>\$ 5,972,341</u>	<u>\$ 6,289,323</u>
Intermediate-term	277,263	346,714
Separately invested and other assets	<u>337,571</u>	<u>350,883</u>
Total investments	<u>\$ 6,587,175</u>	<u>\$ 6,986,920</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

	2016	2015
Interest and dividends, net of investment fees	\$ 77,473	\$ 95,948
Net realized gain/(loss)	210,733	301,502
Net unrealized gain/(loss)	<u>(427,385)</u>	<u>(150,091)</u>
Total investment return	<u>\$ (139,179)</u>	<u>\$ 247,359</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 table:

INVESTMENTS AT FAIR VALUE

	Level 1 fair value	Level 2 fair value	Level 3 fair value	Net asset value	2016 Total	2015 Total
Cash and cash equivalents	\$ 291,504	\$ 32,262	\$ -	\$ -	\$ 323,766	\$ 602,117
Derivatives	-	(3,527)	-	-	(3,527)	(3,242)
Equity						
Domestic equity	415,478	58,729	3,416	168,990	646,613	698,152
Foreign equity	599,478	22,957	17,857	245,845	886,137	947,585
Hedged equity	-	-	1,949	627,506	629,455	724,531
Private equity	-	-	42,058	1,131,930	1,173,988	1,209,758
Fixed income						
Asset backed fixed income	-	28,598	1,006	-	29,604	22,073
Corporate bonds	-	446,358	127	-	446,485	408,917
Equity partnership	-	77	-	478,440	478,517	423,011
International	23,404	86,951	-	-	110,355	154,417
Municipals	-	12,998	-	-	12,998	30,285
Mutual funds (non-equity)	99	22,504	-	-	22,603	49,921
Preferred/convertible	-	23,970	4,959	-	28,929	26,648
Other fixed income	-	5,737	-	-	5,737	6,575
US government	65,622	90,533	-	-	156,155	125,014
Marketable alternatives	-	25	-	722,054	722,079	654,004
Real assets	-	-	27,383	909,113	936,496	900,550
Receivable for investments sold	39,336	-	-	-	39,336	21,674
Payable for investments purchased	(83,011)	-	-	-	(83,011)	(38,573)
Other	-	-	24,460	-	24,460	23,503
Total investments	<u>\$ 1,351,910</u>	<u>\$ 828,172</u>	<u>\$ 123,215</u>	<u>\$ 4,283,878</u>	<u>\$ 6,587,175</u>	<u>\$ 6,986,920</u>

Securities not included in investment portfolio

Cash and cash equivalents	\$ 84,714	\$ -	\$ -	\$ -	\$ 84,714	\$ 56,168
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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.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

The following tables provide additional information about alternative investments measured at NAV:

SUMMARY OF ALTERNATIVE INVESTMENTS MEASURED USING NET ASSET VALUE

Asset class	Strategy	NAV in funds	Remaining life	Unfunded commitments	Timing to draw commitments
Private equity	Buyout	\$ 407,758		\$ 289,298	
	Growth	288,969		242,991	
	Venture capital	435,203		155,522	
	Total private equity	\$ 1,131,930	1 to 10 years	\$ 687,811	1 to 10 years
Real assets	Real estate	521,211		340,849	
	Natural resource	387,902		374,239	
	Total real assets	\$ 909,113	1 to 10 years	\$ 715,088	1 to 10 years
Fixed income	Distressed	207,423		113,845	
	Leveraged loans	61,400		33,019	
	Mezzanine	92,036		131,015	
	Multi-strategy	117,581		175,851	
	Total fixed income	\$ 478,440	1 to 10 years	\$ 453,730	1 to 10 years
Foreign equity	Emerging markets	73,786			
	Global equity	172,059			
	Total foreign equity	\$ 245,845			
Hedged equity	Global equity long/short	335,669			
	U.S. equity long/short	291,837			
	Total hedged equity	\$ 627,506			
Marketable alternatives	Event driven	135,243			
	Global macro	586,811			
	Total marketable alternatives	\$ 722,054			
Domestic equity	Indexed	168,990			
	Total domestic equity	\$ 168,990			
Total for alternative investments using NAV		\$ 4,283,878		\$ 1,856,629	

REDEMPTION INFORMATION FOR ALTERNATIVE INVESTMENTS MEASURED USING NET ASSET VALUE

Asset class	Redemption terms	Redemption restrictions*
Private equity	n/a **	n/a
Real assets	n/a **	n/a
Fixed income	50% annual redemption with 90 days notice***	No lock up provisions
Foreign equity	Ranges between monthly redemption with 10 days notice, to rolling 3 year redemption with 90 days notice	No lock up provisions
Hedged equity	Ranges between quarterly redemption with 30 days notice, to 25% per year redemption with 60 days notice	6.48% has remaining lock up provision of 6 months
Marketable alternatives	Ranges between quarterly redemption with 65 days notice, to 33% redemption per year with 90 days notice	5.97% has remaining lock up of 30 months
Domestic equity	Daily redemption with 2 days notice	No lock up provisions

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

** These funds are in private equity structure, with no ability to be redeemed.

*** 89.6% of NAV is in private equity structure, with no ability to be redeemed. Redemption provisions for the remaining 10.4% are shown above.

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, 2016. There were no significant transfers into or out of Level 3 during the fiscal year ended June 30, 2016.

SUMMARY OF LEVEL 3 INVESTMENT ACTIVITY

	Fair value at June 30, 2015	Realized gain/(loss)	Unrealized gain/(loss)	Purchases	Sales	Transfers in/(out) of Level 3	Fair value at June 30, 2016
Equity							
Domestic equity	\$ 34,450	\$ 8,006	\$ (5,009)	\$ -	\$ (34,031)	\$ -	\$ 3,416
Foreign equity	22,736	(367)	(1,732)	4,489	(7,269)	-	17,857
Hedged equity	3,055	130	(833)	77	(480)	-	1,949
Private equity	20,895	1,254	1,620	20,253	(1,964)	-	42,058
Fixed income							
Asset backed fixed income	1,076	-	-	-	(70)	-	1,006
Corporate bonds	4,111	-	(144)	-	(3,840)	-	127
Preferred/convertible	5,094	-	143	-	(278)	-	4,959
Other fixed income	111	-	-	-	(111)	-	-
Real assets	22,458	(79)	2,460	2,581	(37)	-	27,383
Other	23,503	(3)	(2,665)	3,625	-	-	24,460
Total level 3 investments	\$ 137,489	\$ 8,941	\$ (6,160)	\$ 31,025	\$ (48,080)	\$ -	\$ 123,215

Level 3 equities not priced by qualified third parties (e.g., brokers, pricing services, etc.) are valued using discounted cash flow, 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.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

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 flow.

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 input	Range (weighted average)
Equity				
Domestic equity	\$ 3,416	Start-up valuation		
Foreign equity	17,857	Third-party pricing		
Hedged equity	1,949	Third-party pricing		
Private equity	18,016	Discounted cash flow/market comparable	Discount rate	3.7% - 12.1% (4.7%)
			Discount for lack of marketability	15% - 20% (19.5%)
			Earnings multiple	8.8x
			Revenue multiple	1.9x
	154	Sales comparison approach	Recent transactions	
	1,823	Start-up valuation		
	22,065	Third-party pricing		
Fixed income				
Asset backed fixed	1,006	Discounted cash flow	Discount rate	2.7% - 3.7% (3.4%)
Corporate bonds	127	Third-party pricing		
Preferred/convertible	4,959	Market comparable	Dividend multiple	17.3x - 20.8x (20.1x)
Real assets	11,940	Cap rate valuation model	Capitalization rate	4.5% - 7.0% (5.4%)
	5,552	Discounted cash flow	Discount rate	15%
			Years to maturity	12
	1,784	Sales comparison approach	Recent transactions	
	4,500	Start-up valuation		
	3,607	Third-party pricing		
Other	7,796	Discounted cash flow	Discount rate	1.6% - 5.3% (2.1%)
			Years to maturity	6 - 14 (9)
	737	Start-up valuation		
	15,927	Third-party pricing		
Total Level 3 investments	\$ 123,215			

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. The derivatives are 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, and 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.

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 terms of certain option contracts on interest rate swaps, the University is obligated to make future premium payments. At June 30, 2016 and 2015, the University had unfunded premium payment commitments of \$5,411 and \$7,595 respectively. The University's premium payment schedule is as follows: \$1,315 for the year ending June 30, 2017; and \$1,024 annually for the years ending June 30, 2018, 2019, 2020 and 2021.

The following tables provide 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	2016			2015		
		Notional amount	# of Contracts	Level 2 fair value	Notional amount	# of Contracts	Level 2 fair value
Investments							
	Foreign currency	\$ -	35	\$ 252	\$ -	66	\$ (583)
	Commodity	-	-	-	-	-	-
	Synthetic	(3,458)	1	(95)	(20,862)	40	(2,123)
	Interest rate	444,703	4	(3,684)	444,703	4	(536)
	Total fair value	\$ 441,245	40	\$ (3,527)	\$ 423,841	110	\$ (3,242)

EFFECT OF DERIVATIVE HOLDINGS ON STATEMENT OF ACTIVITIES

Location	Derivative Type	2016	2015
		Unrealized gain/(loss)	Unrealized gain/(loss)
Investment return, net of amount distributed			
	Foreign currency	\$ -	\$ 17
	Commodity	-	-
	Synthetic	(95)	(629)
	Interest rate	(29,732)	(24,655)
	Total unrealized gain/(loss)	\$ (29,827)	\$ (25,267)

The unrealized gain/loss from derivative holdings affects temporarily restricted net assets for LTIP shares in the permanent endowment; otherwise, the gain/loss affects unrestricted net assets. The net unrealized gain/loss is presented in the operating section of the consolidated statement of cash flow as net realized and unrealized gain/loss on investments.

4. LAND, BUILDINGS, AND EQUIPMENT**A. General Information**

Land, buildings, and equipment are detailed as follows:

<u>LAND, BUILDINGS, AND EQUIPMENT</u>		
	Book value at <u>June 30, 2016</u>	Book value at <u>June 30, 2015</u>
Land, buildings, and equipment	\$ 5,387,099	\$ 5,137,028
Furniture, equipment, books, and collections	1,237,981	1,213,226
Construction in progress	<u>489,898</u>	<u>311,793</u>
Total before accumulated depreciation	\$ 7,114,978	\$ 6,662,047
Accumulated depreciation	<u>(3,105,693)</u>	<u>(2,873,671)</u>
Net land, buildings, and equipment	\$ 4,009,285	\$ 3,788,376

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 \$712,553 and \$701,264 at June 30, 2016 and 2015, 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 \$2,048 and \$1,853 at June 30, 2016 and 2015, respectively.

The future commitments on capital projects in progress, excluding projects funded by New York State, are approximately \$152,004 at June 30, 2016.

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 towards the completion of the Phase I development commitments, which include the first academic building, a residential building, a corporate colocation space, and an executive education facility. The total cost of demolition of the existing structures on the site are considered to be a prepaid cost of the ground lease, and will be amortized over the term of the lease. At June 30, 2016, the unamortized amount of the demolition costs is \$54,026.

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 initial equity interest of 86.59 percent and controlling financial interest and, therefore, consolidates the joint venture. This consolidation resulted in an increase to land, buildings, and equipment (primarily construction-in-progress) of \$71,897 at June 30, 2016. In addition, Hudson Cornell Tech LLC, a subsidiary of Hudson Cornell Residential JV LLC, held bonds and notes payable of \$28,218 at June 30, 2016. Unrestricted net assets of \$5,754, representing the minority interest of H/R Tech Residential LLC, is also consolidated into the University's net assets. Operating activity is immaterial in the current fiscal year.

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 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

	Valuation methodologies	Unobservable inputs	Range (weighted average)	2016 Total	2015 Total
Funds held in trust by others					
Remainder	Present value calculation	Discount rate Years to maturity	3.10% 0-57 (11)	\$ 64,650	\$ 64,323
Lead and perpetual	Discounted cash flow	Discount rate	4.40%	60,310	54,058
Total funds held in trust by others				\$ 124,960	\$ 118,381
Obligations under split interest agreements	Discounted cash flow	Discount rate Years to maturity	3.70% 0-64 (16)	\$ 135,444	\$ 139,857

SUMMARY OF LEVEL 3 SPLIT INTEREST AGREEMENT ACTIVITY

	Fair value at June 30, 2015	Realized gain/(loss)	Unrealized gain/(loss)	Purchases	Sales	Transfers in/(out) of Level 3	Fair value at June 30, 2016
Funds held in trust by others							
Remainder	\$ 64,323	\$ 2,798	\$ (79)	\$ 290	\$ (2,682)	\$ -	\$ 64,650
Lead and perpetual	54,058	6,041	211	-	-	-	60,310
Total funds held in trust by others	\$ 118,381	\$ 8,839	\$ 132	\$ 290	\$ (2,682)	\$ -	\$ 124,960
Obligations under split interest agreements	\$ 139,857	\$ -	\$ (4,413)	\$ -	\$ -	\$ -	\$ 135,444

6. DEFERRED BENEFITS

A. General Information

Accrued employee benefit obligations as of June 30 include:

SUMMARY OF DEFERRED BENEFITS

	2016	2015
Postemployment benefits	\$ 27,694	\$ 24,800
Pension and other postretirement benefits	445,623	303,878
Other deferred benefits	183,093	198,896
Total deferred benefits	\$ 656,410	\$ 527,574

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 yet reported. The University also 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 level of benefit to be provided (defined benefit).

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

The primary defined contribution plans for Endowed 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 (Endowed Ithaca only), all of which permit employee contributions. Total costs of the Endowed Ithaca and WCM plans for the fiscal years ended June 30, 2016 and 2015 amounted to \$105,121 and \$95,091 respectively.

WCM maintains the University's only defined benefit 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 that represents normal costs plus amortization of prior service costs over a forty-year period that began on July 1, 1976.

The University also provides health and life insurance benefits for eligible retired employees and their dependents, and accrues the cost of these benefits during the service lives of employees.

C. Obligations and Funded Status

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

SUMMARY OF OBLIGATIONS AND FUNDED STATUS

	Pension benefits		Other postretirement	
	2016	2015	2016	2015
Change in plan assets				
Fair value of plan assets at beginning of year	\$ 92,405	\$ 81,857	\$ 263,208	\$ 248,368
Actual return on plan assets	1,963	3,869	(6,181)	7,456
Employer contribution	5,500	9,500	18,887	25,027
Benefits paid	(3,759)	(2,821)	(18,210)	(17,643)
Fair value of plan assets at end of year	\$ 96,109	\$ 92,405	\$ 257,704	\$ 263,208
Change in benefit obligation				
Benefit obligation at beginning of year	\$ 121,274	\$ 112,162	\$ 538,217	\$ 474,612
Service cost (benefits earned during the period)	7,199	6,389	24,731	21,060
Interest cost	6,190	5,404	25,150	21,879
Actuarial (gain)/loss	29,697	140	65,896	35,406
Gross benefits paid	(3,759)	(2,821)	(16,497)	(16,160)
Less: federal subsidy on benefits paid	-	-	1,338	1,420
Projected benefit obligation at end of year	\$ 160,601	\$ 121,274	\$ 638,835	\$ 538,217
Funded status	\$ (64,492)	\$ (28,869)	\$ (381,131)	\$ (275,009)
Amounts recognized in the consolidated statement of financial position	\$ (64,492)	\$ (28,869)	\$ (381,131)	\$ (275,009)
Amounts recorded in unrestricted net assets not yet amortized as components of net periodic benefit cost				
Prior service cost	\$ (508)	\$ (600)	\$ -	\$ -
Net actuarial (gain)/loss	52,307	18,815	171,844	82,086
Amount recognized as reduction in unrestricted net assets	\$ 51,799	\$ 18,215	\$ 171,844	\$ 82,086

The accumulated benefit obligation for the pension plans was \$136,219 and \$103,858 at June 30, 2016 and 2015, 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	
	2016	2015	2016	2015
Service cost (benefits earned during the period)	\$ 7,199	\$ 6,389	\$ 24,731	\$ 21,060
Interest cost	6,190	5,404	25,150	21,879
Expected return on plan assets	(6,552)	(5,982)	(19,223)	(18,375)
Amortization of prior service cost	(92)	(92)	-	(62)
Amortization of net (gain)/loss	793	671	1,543	639
Net periodic benefit cost	\$ 7,538	\$ 6,390	\$ 32,201	\$ 25,141

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, 2017 are estimated as follows:

ESTIMATED COMPONENTS OF NET PERIODIC BENEFIT COST

	Pension benefits		Other postretirement	
	2016	2015	2016	2015
Prior service cost	\$ (92)	\$ -	\$ -	\$ -
Net actuarial (gain)/loss	3,230	9,117	9,117	9,117
Total	\$ 3,138	\$ 9,117	\$ 9,117	\$ 9,117

E. Actuarial Assumptions

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

SUMMARY OF ACTUARIAL ASSUMPTIONS

	Pension benefits		Other postretirement	
	2016	2015	2016	2015
Used to calculate benefit obligations at June 30				
Discount rate	3.94%	4.80%	3.83% / 3.79%	4.67% / 4.61%
Rate of compensation increase	3.00%	3.00%		
Used to calculate net periodic cost at July 1				
Discount rate	4.80%	4.55%	4.67% / 4.61%	4.47% / 4.39%
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	6.50%	6.50%
Ultimate trend rate	n/a	n/a	4.50%	4.50%
Years to reach ultimate trend rate	n/a	n/a	5	5

The health care cost trend rate assumption has a significant effect on the amounts reported for other postretirement (health care) plans. Increasing the health care cost trend rate by one percent in each future year would increase the benefit obligation by \$149,914 and the annual service and interest cost by \$12,451. Decreasing the health care cost trend rate by one percent in each future year would decrease the benefit obligation by \$101,732 and the annual service and interest cost by \$9,096.

F. Plan Assets

The University's overall investment objectives for the pension plan and postretirement medical benefit 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 establishes investment allocations and implements those allocations through various investment funds in order to carry out the investment objectives. The custodial bank has also been appointed as investment manager for WCM's postretirement medical benefit plan with full discretion as to investment allocations in specific named funds managed by the bank.

The University's Retirement Plan Oversight Committee (RPOC) provides guidance and oversight for the University's retirement plans, including oversight of asset allocation and the performance of both the defined benefit pension plan and the postretirement medical benefit plans. The RPOC, 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.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

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 expected return on plan assets by category for the fiscal year ended June 30, 2016 are similar to the prior fiscal year: 7.2 percent on equity securities, 4.4 percent on fixed income securities, and 5.5 percent on real estate, compared to 6.9 percent, 4.4 percent and 6.0 percent, respectively.

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	
		2016	2015	2016	2015
Percentage of plan assets					
Equity securities	39-85%	62.0%	63.0%	72.0%	73.0%
Fixed income securities	15-55%	32.0%	31.0%	28.0%	27.0%
Real estate	0-5%	6.0%	6.0%	0.0%	0.0%
Total		100.0%	100.0%	100.0%	100.0%

PENSION PLAN ASSETS AT FAIR VALUE

	Level 1	Level 2	Level 3	2016	2015
	fair value	fair value	fair value	Total	Total
Cash and cash equivalents					
Money market	\$ 287	\$ -	\$ -	\$ 287	\$ 2,123
Equity securities					
U.S. small cap	-	5,695	-	5,695	5,934
U.S. large cap	-	28,677	-	28,677	28,211
U.S. multi cap	-	5,757	-	5,757	5,606
U.S. REITS	-	2,411	-	2,411	2,321
Emerging markets	-	4,795	-	4,795	3,677
International equity	-	11,836	-	11,836	12,443
Fixed income securities					
U.S. high yield bonds	-	4,846	-	4,846	3,718
Corporate bonds	-	20,093	-	20,093	18,304
Mortgage-backed securities	-	2,382	2,627	5,009	4,187
International fixed income	-	1,041	-	1,041	1,753
Other types of investments					
Real estate	-	-	5,736	5,736	5,970
Receivable for investments sold	769	-	-	769	455
Payable for investments purchased	(843)	-	-	(843)	(2,297)
Total assets	\$ 213	\$ 87,533	\$ 8,363	\$ 96,109	\$ 92,405

SUMMARY OF LEVEL 3 PENSION PLAN ACTIVITY

	Fair value, June 30, 2015	Realized gain/(loss)	Unrealized gain/(loss)	Purchases	Sales	Transfers in/(out) of Level 3	Fair value, June 30, 2016
	Mortgage-backed securities	\$ 2,451	\$ -	\$ 176	\$ -	\$ -	\$ -
Real estate	5,970	237	113	266	(850)	-	5,736
Total Level 3 assets	\$ 8,421	\$ 237	\$ 289	\$ 266	\$ (850)	\$ -	\$ 8,363

POSTRETIREMENT PLAN ASSETS AT FAIR VALUE

	Level 1 fair value	Level 2 fair value	Level 3 fair value	2016 Total	2015 Total
Cash and cash equivalents					
Money market	\$ 2,428	\$ -	\$ -	\$ 2,428	\$ 6,259
Equity securities					
U.S. small cap	-	27,058	-	27,058	29,972
U.S. large cap	-	80,380	-	80,380	85,720
Emerging markets	-	26,311	-	26,311	24,463
International equity	-	43,750	-	43,750	46,834
U.S. REITS	-	7,160	-	7,160	6,316
Fixed income securities					
U.S. high yield bonds	-	11,528	-	11,528	9,277
Corporate bonds	-	55,067	-	55,067	49,111
Emerging markets debt	-	4,017	-	4,017	5,256
Receivable for investments sold	1,425	-	-	1,425	1,384
Payable for investments purchased	(1,420)	-	-	(1,420)	(1,384)
Total assets	\$ 2,433	\$ 255,271	\$ -	\$ 257,704	\$ 263,208

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			
2017	\$ 5,500	\$ 18,298	n/a
Future benefit payments			
2017	5,297	19,611	1,779
2018	5,586	21,383	1,973
2019	5,687	23,360	2,166
2020	6,146	25,206	2,366
2021	6,893	26,962	2,572
2022-2026	42,285	162,378	16,687

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 the direct payments applicable to the University as revenue and expenditures 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, 2016 and 2015 were \$18,192 and \$18,942, respectively, and were included in operating expenses.

7. FUNDS HELD FOR OTHERS

The University, in limited instances, invests funds as a custodian for other closely related parties. Independent trustees are responsible for the funds and for the designation of income distribution. The value of the funds included on the investment line in the consolidated statement of financial position was \$268,421 and \$297,637 for the fiscal years ended June 30, 2016 and 2015, respectively. The University recognizes an offsetting liability for funds held for others, with one adjustment described below.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

The New York Hospital-Cornell Medical Center Fund, Inc. (Center Fund), which benefits Weill Cornell Medicine and the New York-Presbyterian Hospital, is the major external organization invested in the University's long-term investment portfolio with assets and an offsetting liability of \$162,153 and \$176,873 for the fiscal years ended June 30, 2016 and 2015, respectively. Because WCM holds a significant beneficial interest in the assets of the Center Fund, the liability is reduced by \$115,356 and \$102,104 for the fiscal years ended June 30, 2016 and 2015, respectively, representing the present value of the future income stream that will benefit WCM.

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 2013, the University entered into an agreement with BTI to invest a portion of its endowment. The fair value of BTI investments was \$68,824 and \$85,651 for the fiscal years ended June 30, 2016 and 2015, respectively, with an offsetting liability on the University's consolidated statement of financial position.

8. BONDS AND NOTES PAYABLE

A. General Information

Bonds and notes payable as of June 30 are summarized as follows:

SUMMARY OF BONDS AND NOTES PAYABLE

	2016	2015	Interest rates	Final maturity
Dormitory Authority of the State of New York (DASNY)				
Revenue Bond Series				
1990B-fixed rate	\$ 34,275	\$ 37,250	4.50 to 5.00%	2025
2000A-variable rate/monthly	40,300	42,630	0.01 to 0.78	2029
2000B-variable rate/monthly	55,720	58,500	0.01 to 0.78	2030
2004A&B-variable rate/weekly	68,750	71,500	0.01 to 0.45	2033
2006A-fixed rate	-	157,795	4.40 to 5.00	2016
2008B&C-fixed rate	112,235	115,115	5.00	2037
2009A-fixed rate	274,950	281,460	3.00 to 5.00	2039
2010A-fixed rate	285,000	285,000	4.00 to 5.00	2040
2016A-fixed rate	125,850	-	2.00 to 5.00	2035
Tax-exempt commercial paper	52,890	52,890	0.04 to 0.53	2037
Tompkins County Industrial Development Agency (TCIDA)				
2002A-variable rate/monthly	34,045	35,765	0.01 to 0.78	2030
2008A-fixed rate	60,885	62,570	3.00 to 5.00	2037
Empire State Development	1,625	1,750	-	2029
2009 Taxable-fixed rate	250,000	250,000	5.45	2019
2007A Taxable commercial paper	83,890	83,890	0.16 to 0.55	-
Hudson Cornell Residential JV LLC	28,218	-	2.68 to 2.72	2019
Other	6,502	6,719	4.90 to 6.63	2039
Total bonds and notes payable	\$ 1,515,135	\$ 1,542,834		

The University's bonds and notes payable have estimated fair values of approximately \$1,667,345 and \$1,673,356 at June 30, 2016 and 2015, respectively. The fair value of fixed-rate debt obligations are based on estimates of the prevailing market yield and resulting price for each maturity of outstanding debt at June 30 of each year. Variable-rate debt obligations approximate fair value because the obligations are currently callable at a price equal to the amounts outstanding. The University's debt is classified as Level 2 in the fair-value hierarchy.

The following table provides the amounts of interest paid for the fiscal years ended June 30.

SUMMARY OF INTEREST EXPENSE

	<u>2016</u>	<u>2015</u>
Interest expense to bondholders and other debt	\$ 53,815	\$ 59,865
Interest expense paid on swap agreements	29,055	32,357
Capitalized interest on capital assets	-	(2,775)
Total interest expense	<u>\$ 82,870</u>	<u>\$ 89,447</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 agreement, the bonds are a general obligation of the University and are secured by a pledge of revenue. The University has not granted a pledge of revenue on other debt.

During the fiscal year ended June 30, 2016, the University restructured the DASNY Series 2000A and Series 2000B bonds and the TCIDA Series 2002A bonds to a ten year, variable-rate direct purchase with Bank of America Merrill Lynch. The variable rate is calculated using a percentage of LIBOR plus the applicable margin. The University also issued \$125,850 DASNY Series 2016A fixed-rate bonds to effect a current refunding of DASNY Series 2006A bonds in order to achieve present value savings. The University wrote off \$6,042 of bond premium and \$2,265 of Series 2006 bond issuance costs.

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. As of June 30, 2016, \$28,218 has been drawn. The loan is secured by a security interest in the building.

The University maintains tax-exempt and taxable commercial paper programs. Tax-exempt commercial paper is used to finance qualified capital projects and equipment purchases for the Ithaca and WCM campuses. 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

<u>Year</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2017	\$ 29,027	\$ 88,578	\$ 117,605
2018	30,954	85,705	116,659
2019	310,572	83,194	393,766
2020	33,714	65,930	99,644
2021	35,266	63,147	98,413
Thereafter	<u>1,075,602</u>	<u>689,456</u>	<u>1,765,058</u>
Total	<u>\$ 1,515,135</u>	<u>\$ 1,076,010</u>	<u>\$ 2,591,145</u>

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

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(dollars in thousands)

The University's swap agreements contain a credit-rating-contingent feature in which the counterparties can request collateral on agreements in net liability positions. The University could be required to post collateral if the University's credit rating is downgraded to A1 by Moody's Investors Service or A+ by Standard & Poor's Rating Services, and the agreement is in a liability position of \$20 million or greater. At June 30, 2016 and 2015, the University did not have collateral on deposit with any counterparty.

The University's interest rate swaps are valued 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 reasonable 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, 2016, 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 these swap agreements are recorded as adjustments to interest expense in the consolidated statement of activities, and the incremental interest expense is disclosed in the second table in the previous section. In all agreements in effect at June 30, 2016, the counterparty pays a variable interest rate equal to a percentage of the one-month LIBOR. During the fiscal year ended June 30, 2016, a swap contract with a notional amount of \$94,870 expired.

The following table provides detailed information on the interest rate swaps at June 30, 2016, with comparative fair values for June 30, 2015. 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	2016 Level 2 fair value	2015 Level 2 fair value
Accounts payable and accrued expenses						
	\$ -	2.99 %	October 1, 2015	LIBOR	\$ -	\$ (887)
	35,765	4.52	July 1, 2030	LIBOR	(9,581)	(8,263)
	92,115	3.92	July 1, 2038	LIBOR	(29,407)	(21,807)
	275,000	3.88	July 1, 2040	LIBOR	(129,286)	(86,992)
	196,340	3.48	July 1, 2041	LIBOR	(58,169)	(39,730)
	196,990	3.77	July 1, 2044	LIBOR	(70,260)	(49,059)
Total fair value					\$ (296,703)	\$ (206,738)

The change in value of interest rate swaps affects unrestricted net assets, and in the consolidated statement of cash flows, is presented on the change in value of interest rate swaps line in the operating activities section.

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 would 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 Annual Debt Service Requirements table would be increased by \$2,900, \$3,025, and \$62,825 for the fiscal years ending June 30, 2017, 2018, and 2019, respectively. During the fiscal year ended June 30, 2016, the University terminated standby purchase agreements for DASNY Series 2000A and 2000B bonds, and TCIDA Series 2002A bonds.

D. Lines 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. The two \$100 million lines of credit have annual expiration dates of December 31 and April 1. As of June 30, 2016 and 2015, the University had not borrowed against the lines of credit.

9. OPERATING LEASES

Although the University generally purchases, rather than leases, machinery and equipment, the University does enter into operating lease agreements for the use of real property. Total lease expenses were \$31,284 and \$29,172 for the fiscal years ended June 30, 2016 and 2015, respectively. The future annual minimum lease payments in the following table are payments under operating leases expiring at various dates through June 30, 2068.

ANNUAL MINIMUM OPERATING LEASE PAYMENTS	
Year	Payments
2017	\$ 31,968
2018	34,340
2019	35,597
2020	34,795
2021	30,915
Thereafter	350,423
Total minimum operating lease payments	\$ 518,038

10. FUNCTIONAL EXPENSES AND STUDENT AID

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

FUNCTIONAL EXPENSES		
	2016	2015
Instruction	\$ 829,432	\$ 809,829
Research	596,434	568,510
Public service	123,961	125,829
Academic support	278,666	268,795
Student services	170,531	158,047
Medical services	1,067,470	938,350
Institutional support	553,733	527,059
Enterprises and subsidiaries	273,416	265,206
Total expenses	\$ 3,893,643	\$ 3,661,625

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 \$203,308 and \$224,652 for the fiscal years ended June 30, 2016 and 2015, 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 \$46,156 and \$46,575 for the fiscal years ended June 30, 2016 and 2015, respectively.

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	2016 Total	2015 Total
Endowment					
True endowment	\$ (66,014)	\$ 1,337,142	\$ 2,681,431	\$ 3,952,559	\$ 4,121,652
Funds functioning as endowment (FFE)	1,235,624	396,014	-	1,631,638	1,761,865
Total true endowment and FFE	\$ 1,169,610	\$ 1,733,156	\$ 2,681,431	\$ 5,584,197	\$ 5,883,517
Funds held by others, perpetual	-	-	173,525	173,525	154,029
Total University endowment	\$ 1,169,610	\$ 1,733,156	\$ 2,854,956	\$ 5,757,722	\$ 6,037,546
Other net assets					
Operations	(293,934)	411,938	-	118,004	89,455
Student loans	5,675	113	46,422	52,210	50,723
Facilities and equipment	2,664,188	145,558	-	2,809,746	2,641,989
Split interest agreements	-	56,663	38,651	95,314	110,860
Funds held by others, other than perpetual	-	45,353	21,772	67,125	66,895
Contributions receivable, net	-	811,223	175,099	986,322	1,093,843
Long-term accruals	(847,449)	-	-	(847,449)	(609,900)
Total net assets	\$ 2,698,090	\$ 3,204,004	\$ 3,136,900	\$ 9,038,994	\$ 9,481,411

Unrestricted net asset balances for operations are primarily affected 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

	2016	2015
Academic programs and research	\$ 1,511,788	\$ 1,645,643
Financial aid	1,463,388	1,540,842
Professorships	1,151,134	1,190,638
General purpose and other	1,202,771	1,232,599
Facilities support	97,691	127,811
CU Foundation	157,425	145,984
Total true endowment and FFE, end of year	\$ 5,584,197	\$ 5,883,517

Of the endowment assets held at the University, 96 percent were invested in the LTIP at June 30, 2016 and 2015. 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, 2016, 1,823 of 6,896 true endowment funds invested in the LTIP had a total historic dollar value of \$982,853 and a fair value of \$916,839, resulting in these endowments being underwater by a total of \$66,014. 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	2016 Total	2015 Total
True endowment and FFE, beginning of year	\$ 1,367,720	\$ 2,026,582	\$ 2,489,215	\$ 5,883,517	\$ 5,744,869
Investment return					
Net investment income	11,763	32,042	425	44,230	51,852
Net realized and unrealized gain/(loss)	(112,845)	(114,531)	1,859	(225,517)	141,861
Total investment return	\$ (101,082)	\$ (82,489)	\$ 2,284	\$ (181,287)	\$ 193,713
New gifts	3,182	39,557	141,715	184,454	241,117
Amounts appropriated for expenditure/reinvestment	(80,815)	(220,055)	5,539	(295,331)	(273,163)
Other changes and reclassifications	(19,395)	(30,439)	42,678	(7,156)	(23,019)
Total true endowment and FFE, end of year	\$ 1,169,610	\$ 1,733,156	\$ 2,681,431	\$ 5,584,197	\$ 5,883,517

12. SELF-INSURANCE

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

A. Medical Malpractice

The University, along with other institutions of higher education that have medical practices, 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. 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 \$150,096 and \$139,004 at June 30, 2016 and 2015, respectively, as other liabilities in the consolidated statement of financial position. In addition, WCM maintains a reinsurance program with MCIC with anticipated recoveries of \$102,891 and \$95,424, respectively, recorded as accounts receivable (Note 2A).

B. Student Health Plan

During the fiscal year ended June 30, 2015, the University established a self-funded student health plan under Section 1124 of the New York State Insurance Law (NYSIL). The Student Health Plan (SHP) provides extensive health insurance coverage at a reasonable cost to students at the University's Ithaca-based campuses. SHP was developed especially for students (and their dependents) to provide access to convenient and comprehensive care that complements the quality health services offered on campus. The current plan year began on August 17, 2015. The table below presents a summary of SHP operations occurring during the University's fiscal year ended June 30, 2016.

SUMMARY OF STUDENT HEALTH PLAN OPERATIONS

	July 1 - August 16 (prior plan year)	August 17 - June 30 (current plan year)	2016 Fiscal year total
Total premium revenue	\$ 3,652	\$ 24,753	\$ 28,405
Expenses			
Medical and prescription drug expense	2,843	14,348	17,191
Health center capitation	463	5,088	5,551
Administrative fees	358	2,626	2,984
Total expenses	\$ 3,664	\$ 22,062	\$ 25,726
Net income from health plan operations	\$ (12)	\$ 2,691	\$ 2,679

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 \$65,622 in its investment portfolio as of June 30, 2016 (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 year ended June 30, 2016 are presented below.

SUMMARY OF STUDENT HEALTH PLAN UNEARNED PREMIUMS AND RESERVES

	Unearned premiums 2014-2015 plan year	Unearned premiums 2015-2016 plan year	IBNR/RBNP reserve	Contingency reserve
Balance as of July 1	\$ 3,412	\$ -	\$ 2,409	\$ 1,374
Balance as of June 30	-	3,625	2,500	1,547
Net change	\$ (3,412)	\$ 3,625	\$ 91	\$ 173

13. CONTINGENT LIABILITIES

The University is a defendant in various legal actions, some of which are 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

The University has performed an evaluation of subsequent events through October 27, 2016, the date on which the consolidated financial statements were issued and determined no material impact on the University's consolidated financial statements.

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
DEPARTMENT OF AGRICULTURE						
DEPARTMENT OF AGRICULTURE DIRECT PROGRAMS						
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001				\$17,700	\$17,700
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001				\$3,541,515	\$3,541,515
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025				\$39,814	\$39,814
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025				\$600,239	\$600,239
MARKETING AGREEMENTS AND ORDERS	10.155				\$67,651	\$67,651
MARKETING AGREEMENTS AND ORDERS	10.155				\$76,348	\$76,348
FEDERAL-STATE MARKETING IMPROVEMENT PROGRAM	10.156				\$41,392	\$41,392
INSPECTION GRADING AND STANDARDIZATION	10.162				\$205,474	\$205,474
MARKET PROTECTION AND PROMOTION	10.163			\$39,504	\$688,829	\$688,829
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200				\$1,871,539	\$1,871,539
COOPERATIVE FORESTRY RESEARCH	10.202			\$892,707	\$292,965	\$292,965
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203				\$1,205,503	\$1,205,503
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203				\$5,585,642	\$5,585,642
ANIMAL HEALTH AND DISEASE RESEARCH	10.207				\$42,495	\$42,495
HIGHER EDUCATION GRADUATE FELLOWSHIPS GRANT PROGRAM	10.210				\$145,005	\$145,005
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217				\$13,697	\$13,697
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217				\$90,195	\$90,195
BIOTECHNOLOGY RISK ASSESSMENT RESEARCH	10.219			\$48,516	\$179,322	\$179,322
HIGHER EDUCATION - MULTICULTURAL SCHOLARS GRANT PROGRAM	10.220				\$10,027	\$10,027
SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS	10.226			\$31	\$47,916	\$47,916
AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	10.250				\$25,425	\$25,425
CONSUMER DATA AND NUTRITION RESEARCH	10.253			\$71,643	\$1,240,955	\$1,240,955
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290				\$108,026	\$108,026
INTEGRATED PROGRAMS	10.303			\$147,787	\$273,237	\$273,237
INTEGRATED PROGRAMS	10.303			\$37,239	\$401,560	\$401,560
HOMELAND SECURITY_AGRICULTURAL	10.304				\$230,927	\$230,927
HOMELAND SECURITY_AGRICULTURAL	10.304			\$332,397	\$721,166	\$721,166
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307			\$663,644	\$1,441,527	\$1,441,527
SPECIALTY CROP RESEARCH INITIATIVE	10.309			\$3,463,342	\$5,311,080	\$5,311,080
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310			\$2,533,974	\$9,541,103	\$9,541,103
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311				\$184,103	\$184,103
FARM BUSINESS MANAGEMENT AND BENCHMARKING COMPETITIVE GRANTS PROGRAM	10.319			\$20,211	\$33,155	\$33,155
SUN GRANT PROGRAM	10.320			\$82,057	\$72,461	\$72,461

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS						
PROGRAM	10.329				\$174,876	\$1,283,081
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS						
PROGRAM	10.329				\$15,374	\$65,517
ALFALFA AND FORAGE RESEARCH PROGRAM	10.330				\$1,373	\$22,551
COOPERATIVE EXTENSION SERVICE	10.500				\$228,976	\$11,421,360
COOPERATIVE EXTENSION SERVICE	10.500				\$495,721	\$495,721
FOOD FOR PROGRESS	10.606				\$80,388	\$104,573
FORESTRY RESEARCH	10.652					\$52,711
FOREST HEALTH PROTECTION	10.680					\$163,764
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP						
SOIL AND WATER CONSERVATION	10.777					\$25,215
SOIL SURVEY	10.902					\$25,487
SOIL SURVEY	10.903					\$7,414
SOIL SURVEY	10.903					\$26,360
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912					\$124,759
CONSERVATION STEWARDSHIP PROGRAM	10.924					\$53,723
AGRICULTURAL STATISTICS REPORTS	10.950					\$179,985
TECHNICAL AGRICULTURAL ASSISTANCE	10.960					\$14,451
DEPARTMENT OF AGRICULTURE, OTHER	10.001	75802				\$86,847
TOTAL DEPARTMENT OF AGRICULTURE DIRECT PROGRAMS					\$8,834,039	\$48,501,512
DEPARTMENT OF AGRICULTURE PASS THROUGH PROGRAMS						
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025	AGM01-00000033316	NYS DEPT OF AG & MARKETS	-		-\$36
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		NYS DEPT OF AG & MARKETS	13-9636-1268CA		\$172,705
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		UNIVERSITY OF FLORIDA	13-8212-0919-CA		-\$683
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		UNIVERSITY OF FLORIDA	14-8212-0919-CA		\$11,308
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	13-8130-0270-CA		\$982
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	14-8130-0270-CA		\$5,336
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	14-8130-0274-CA		\$2,932
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	15-8130-0270-CA		\$2,481
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	15-8130-0274-CA		\$28,931
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		AMERICAN PUBLIC GARDENS ASSOCIATION	14-8100-1519-CA	\$19,985	\$77,595
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		AMERICAN PUBLIC GARDENS ASSOCIATION	15-8100-1519-CA		\$59,884
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025	AGM01-4272	NYS DEPT OF AG & MARKETS	-		\$37,800
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		NYS DEPT OF AG & MARKETS	14-8236-0245-CA		\$1

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
10.025		NYS DEPT OF AG & MARKETS	14-8236-0857-CA		\$21,139
10.025		NYS DEPT OF AG & MARKETS	15-8236-0857-CA		\$19,216
10.025	AGM01-4271	NYS DEPT OF AG & MARKETS	-		\$44,821
10.025	AGM01-4273	NYS DEPT OF AG & MARKETS	-		\$8,500
10.025	AGM01-4177	NYS DEPT OF AG & MARKETS	-		\$22,283
10.170		NYS DEPT OF AG & MARKETS	T200838		\$25,752
10.170	SCG 15 012	NEW YORK FARM VIABILITY INSTITUTE	-		\$15,311
10.170	SCG 15 015	NEW YORK FARM VIABILITY INSTITUTE	-	\$541	\$3,040
10.170		UNIVERSITY OF CALIFORNIA, DAVIS	12-25-B-1448		\$1,414
10.170		UNIVERSITY OF CALIFORNIA, DAVIS	SCB13063-USDA #12-25-B-1657		\$173,626
10.170	C200805	NYS DEPT OF AG & MARKETS	-		\$5,923
10.170		NYS DEPT OF AG & MARKETS	12-25-B-1478		\$37,419
10.170		NYS DEPT OF AG & MARKETS	12-25-B-1687		\$73,966
10.170		NYS DEPT OF AG & MARKETS	12-25-B-1687	\$7,649	\$43,429
10.170		NYS DEPT OF AG & MARKETS	14-SCBGP-NY-0036		\$370,244
10.170		NYS DEPT OF AG & MARKETS	14-SCBGP-NY-0036	\$5,304	\$48,948
10.170	C200806	NYS DEPT OF AG & MARKETS	-		\$23,829
10.170	C200807	NYS DEPT OF AG & MARKETS	-		\$18,304
10.170	SCG 15 002	NEW YORK FARM VIABILITY INSTITUTE	-		\$6,511
10.170	SCG 15 010	NEW YORK FARM VIABILITY INSTITUTE	-		\$10,691
10.200		PENNSYLVANIA STATE UNIVERSITY	2012-34103-19828		\$8
10.200		UNIVERSITY OF VERMONT	2013-34103-21431		\$12,254
10.200		PURDUE UNIVERSITY	2014-34383-22030		\$4,594
10.200		UNIVERSITY OF MAINE	2009-34141-20050		-\$19
10.200		UNIVERSITY OF MAINE	2013-34141-21392		-\$745
10.200		UNIVERSITY OF MAINE	2014-34141-22266		\$25,248
10.200		UNIVERSITY OF MAINE	2015-34141-23964		\$16,605
10.212	72938	12 AIR FLUID INNOVATIONS	-		\$23,242
10.215		UNIVERSITY OF VERMONT	2012-38640-18543		\$2,064
10.215		UNIVERSITY OF VERMONT	2013-38640-20895		\$28,143
10.215		UNIVERSITY OF VERMONT	2014-38640-22161		\$38,260

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2014-38640-22161	\$1,780	\$50,913
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2015-38640-23777		\$38,618
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF MASSACHUSETTS AMHERST	2015-38640-23777		\$3,700
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	ULSTER COUNTY COOPERATIVE EXTENSION	2013-38640-20895		\$2,186
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2011-38640-30418		\$10,342
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2012-38640-19543		\$6,316
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2012-38640-19543	\$24,914	\$47,529
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2013-38640-20895		\$43,093
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2013-38640-20895	\$2,132	\$101,129
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2014-38640-22161		\$79,682
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF VERMONT	2015-38640-23777		\$12,210
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	UNIVERSITY OF MARYLAND COLLEGE PARK	2015-38640-23777		\$21,761
10.250	AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	UNIVERSITY OF DELAWARE	59-6000-4-0064		\$57,488
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	WEST VIRGINIA UNIVERSITY RESEARCH CORPORATION	2012-51300-20320		\$48,730
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	OHIO STATE UNIVERSITY	2009-51300-05512		\$166
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	OREGON STATE UNIVERSITY	2014-51300-22223		\$125,163
10.309	SPECIALTY CROP RESEARCH INITIATIVE	UNIVERSITY OF WISCONSIN MADISON VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	2012-51181-20001		\$97,544
10.309	SPECIALTY CROP RESEARCH INITIATIVE	MICHIGAN STATE UNIVERSITY	2010-51181-21599		\$53,962
10.309	SPECIALTY CROP RESEARCH INITIATIVE	MICHIGAN STATE UNIVERSITY	2011-51181-30860		\$24,340
10.309	SPECIALTY CROP RESEARCH INITIATIVE	MICHIGAN STATE UNIVERSITY	2014-51181-22380		\$107,155
10.309	SPECIALTY CROP RESEARCH INITIATIVE	MICHIGAN STATE UNIVERSITY	2014-51181-23378		\$47,221
10.309	SPECIALTY CROP RESEARCH INITIATIVE	MICHIGAN STATE UNIVERSITY	2015-51181-24285		\$41,800
10.309	SPECIALTY CROP RESEARCH INITIATIVE	NORTH CAROLINA STATE UNIVERSITY	2015-51181-24252		\$43,010
10.309	SPECIALTY CROP RESEARCH INITIATIVE	UNIVERSITY OF FLORIDA	2014-51181-22377		\$65,187
10.309	SPECIALTY CROP RESEARCH INITIATIVE	UNIVERSITY OF FLORIDA	2015-51181-24312		\$7,557
10.309	SPECIALTY CROP RESEARCH INITIATIVE	UNIVERSITY OF MASSACHUSETTS AMHERST	2011-51181-30673		\$43,651
10.309	SPECIALTY CROP RESEARCH INITIATIVE	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2011-51181-30646		\$8,505
10.309	SPECIALTY CROP RESEARCH INITIATIVE	WASHINGTON STATE UNIVERSITY	2014-51181-22381	\$56,254	\$105,122
10.309	SPECIALTY CROP RESEARCH INITIATIVE	CONNECTICUT AGRICULTURAL EXPERIMENT STATION	2010-51181-21599		\$7,183
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	NORTH CAROLINA STATE UNIVERSITY	2015-68004-23179		\$1,467
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	UNIVERSITY OF NEBRASKA	2011-67003-30206		\$174,274
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	UNIVERSITY OF WISCONSIN MADISON	2013-68002-20525		\$67,938
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	MICHIGAN STATE UNIVERSITY	2016-68004-24931		\$1,446

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

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF CALIFORNIA, DAVIS	2011-68002-30029		\$148,004
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF CALIFORNIA, DAVIS	2012-68004-20166		\$19,523
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF CALIFORNIA, DAVIS	2016-67023-24902		\$25,590
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF MISSOURI	2011-68006-30815		\$14,110
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		NEW JERSEY INST. OF TECHNOLOGY	2012-67019-19348		\$8,997
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PENNSYLVANIA STATE UNIVERSITY	2011-68004-30057		\$37,733
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PENNSYLVANIA STATE UNIVERSITY	2012-68005-19703		\$198,197
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PENNSYLVANIA STATE UNIVERSITY	2014-67019-21636		\$39,965
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PENNSYLVANIA STATE UNIVERSITY	2015-87015-23177		\$8,202
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF BUFFALO	2016-68003-24601		\$16,291
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF NEW HAMPSHIRE	2013-67014-21318		\$95,599
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF CALIFORNIA, RIVERSIDE	2011-88004-30154		\$327,539
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF MASSACHUSETTS AMHERST	2015-68006-23110		\$9,256
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		BOYCE THOMPSON INSTITUTE	2014-67013-21659		\$88,290
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		BOYCE THOMPSON INSTITUTE	2015-67013-23281		\$4,783
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF WYOMING	2011-68004-30074		\$128,074
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF CALIFORNIA, SAN DIEGO	2015-67013-23006		\$22,114
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		OHIO STATE UNIVERSITY	2014-67013-32410		\$68,034
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF IDAHO	2015-69004-23634		\$25,904
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		TEXAS A&M UNIVERSITY	2013-68004-20361		\$22,362
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		TEXAS A&M UNIVERSITY	2016-67015-24923		\$5,306
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		COLORADO STATE UNIVERSITY	2013-68004-25322		\$15,815
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF NEBRASKA	2013-67015-21239		\$11,724
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		ROCKEFELLER UNIVERSITY	2016-67015-24765		\$3,294
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF NOTRE DAME	2015-67013-23289		\$2,410
BIOMASS RESEARCH AND DEVELOPMENT INITIATIVE COMPETITIVE GRANTS PROGRAM (BRDI)	10.312		CELLANA CORPORATION	2011-10006-30361		\$259,414
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329		UNIVERSITY OF MARYLAND COLLEGE PARK	2015-70006-24277		\$680
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2015-70006-24152		\$10,123
ALFALFA AND FORAGE RESEARCH PROGRAM	10.330		UNIVERSITY OF CALIFORNIA, DAVIS	2014-70005-22552		\$14,599
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	2014-48770-22587		\$87,409
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF DELAWARE	2012-49200-20031	\$14,051	\$30,417
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF MINNESOTA	2011-48745-31186		\$7,798
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF NEBRASKA	2012-48755-20306		\$15,040

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
COOPERATIVE EXTENSION SERVICE	10.500	71854	ULSTER COUNTY COOPERATIVE EXTENSION	-		\$19,769
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF VERMONT	2013-47001-20896		\$22,606
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	C021243	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	-		\$53,736
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ...	10.561	C021243	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	-		\$45,297
NATIONAL FISH AND WILDLIFE FOUNDATION	10.683		NATIONAL FISH AND WILDLIFE FOUNDATION	15-CA-11132422-241		\$6,355
INTERNATIONAL FORESTRY PROGRAMS	10.684		COOPERATIVE FOR ASSISTANCE AND RELIEF EVERYWHERE	12-CA-11132762-184		\$23,597
RURAL ECONOMIC DEVELOPMENT LOANS AND GRANTS	10.854		SLIC NETWORK SOLUTIONS	150945334		\$14,721
SOIL AND WATER CONSERVATION	10.902		IUP RESEARCH INSTITUTE	68-7482-15-501		\$44,240
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		NORTH CAROLINA STATE UNIVERSITY	69-3A75-13-231		\$117,061
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		PENNSYLVANIA STATE UNIVERSITY	68-3A75-12-226		\$116,563
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		PENNSYLVANIA STATE UNIVERSITY NATIONAL FISH AND WILDLIFE	69-3A75-12-243		\$19,881
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		FOUNDATION RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	69-3A75-13-219		\$3,298
SCIENTIFIC COOPERATION AND RESEARCH	10.961		CENTER FOR PRODUCE SAFETY	SR-CR-13-001		\$40,000
DEPARTMENT OF AGRICULTURE, OTHER	10.RD	2015CPS10	CORNELL COOPERATIVE EXTENSION- ESSEX COUNTY	SCB15066		\$5,805
DEPARTMENT OF AGRICULTURE, OTHER	10.RD	12-25-B-1687	ESSEX COUNTY	12-25-B-1687		\$10,011
DEPARTMENT OF AGRICULTURE, OTHER	10.RD	80098	NYS DEPT OF AG & MARKETS	-		\$185,005
TOTAL DEPARTMENT OF AGRICULTURE PASS THROUGH PROGRAMS					\$132,610	\$5,570,185
TOTAL DEPARTMENT OF AGRICULTURE					\$8,966,649	\$54,071,697
DEPARTMENT OF COMMERCE						
DEPARTMENT OF COMMERCE DIRECT PROGRAMS						
CLUSTER GRANTS	11.020					\$197,832
SEA GRANT SUPPORT	11.417					\$63,376
CLIMATE AND ATMOSPHERIC RESEARCH	11.431					\$26,362
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609					\$148,432
DEPARTMENT OF COMMERCE, OTHER	11.U00	0090-FY16-IPA-0016				\$83,578
DEPARTMENT OF COMMERCE, OTHER	11.U01	0093FY150009				\$105,572
TOTAL DEPARTMENT OF COMMERCE DIRECT PROGRAMS						\$625,152
DEPARTMENT OF COMMERCE PASS THROUGH PROGRAMS						
CENSUS INTERGOVERNMENTAL SERVICES	11.004	S/C-001-CU-112014	NEW LIGHT TECHNOLOGIES INC.	-		\$41,689
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		GREAT LAKES OBSERVING SYSTEM NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA11NOS0120041		\$80,815
SEA GRANT SUPPORT	11.417		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	NA14OAR4170069		\$1,039,586
SEA GRANT SUPPORT	11.417		ILLINOIS/INDIANA SEA GRANT	NA11OAR4170052		\$3,762
SEA GRANT SUPPORT	11.417			NA11OAR4170052		\$2,935

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
SEA GRANT SUPPORT	11.417		SEA GRANT PROGRAM, UNIVERSITY OF WISCONSIN	NAR120AR4170111		\$3,929
SEA GRANT SUPPORT	11.417		NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA140AR4170069		\$17,281
SEA GRANT SUPPORT	11.417		NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA140AR4170069	\$2,390	\$31,795
SEA GRANT SUPPORT	11.417		WOODS HOLE OCEANOGRAPHIC INSTITUTE	NA140AR4170074		\$62,170
CLIMATE AND ATMOSPHERIC RESEARCH	11.431		UNIVERSITY OF MICHIGAN	NA100AR4310213		\$29,022
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES	11.432		WOODS HOLE OCEANOGRAPHIC INSTITUTE	NA140AR4320158		\$333,514
HABITAT CONSERVATION	11.463	0309.07.028515	NATIONAL FISH AND WILDLIFE FOUNDATION	-		\$9,039
NOAA PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON- CONSTRUCTION AND CONSTRUCTION	11.483		NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA130AR4830229		\$20,061
DEPARTMENT OF COMMERCE, OTHER	11.002	78322	THE ASSOCIATION OF STATE FLOODPLAIN MANAGERS	EA133C-11-CQ-0010		\$1,429
TOTAL DEPARTMENT OF COMMERCE PASS THROUGH PROGRAMS					\$2,390	\$1,677,027
TOTAL DEPARTMENT OF COMMERCE					\$2,390	\$2,302,179
DEPARTMENT OF DEFENSE						
DEPARTMENT OF DEFENSE DIRECT PROGRAMS						
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300				\$699,092	\$5,037,543
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351					\$13,759
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420				\$486,835	\$5,300,791
BASIC SCIENTIFIC RESEARCH	12.431					\$4,239
BASIC SCIENTIFIC RESEARCH	12.431				\$1,783,619	\$6,032,630
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800				\$551,671	\$3,730,666
MATHEMATICAL SCIENCES GRANTS PROGRAM	12.901					\$18,392
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910				\$1,052,768	\$2,224,097
DEPARTMENT OF DEFENSE, OTHER	12.RD	N66001-12-C-2009				\$806,530
DEPARTMENT OF DEFENSE, OTHER	12.RD	W912HZ-10-2-0042				-\$4
TOTAL DEPARTMENT OF DEFENSE DIRECT PROGRAMS					\$4,573,985	\$23,168,643
DEPARTMENT OF DEFENSE PASS THROUGH PROGRAMS						
AQUATIC PLANT CONTROL	12.100		UNIVERSITY OF HAWAII	W912HQ-14-C-0017		\$174,374
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		PENNSYLVANIA STATE UNIVERSITY	N00014-11-1-0665		-\$13
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		BINGHAMTON UNIVERSITY	N00014-15-1-1270		\$36,589
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		STANFORD UNIVERSITY	N00014-14-1-0551		\$252,011
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		STANFORD UNIVERSITY	N00014-15-1-2827		\$151,059
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		OREGON STATE UNIVERSITY	N00014-15-1-2297		\$18,997
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF ST. ANDREWS DUKE UNIVERSITY	N00014-15-1-2142		\$19,546
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF CALIFORNIA, SANTA BARBARA	N00014-13-1-0561		\$39,956
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		BARBARA	N00014-16-1-2233		\$224,390
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		GEORGIA STATE UNIVERSITY	N00014-13-1-0649		\$139,316
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		NEW YORK UNIVERSITY	FA8750-14-2-0236		\$50,429

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Total Federal Expenditures</i>
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		UNIVERSITY SYSTEM OF MARYLAND	HDTRA1-13-1-0037		\$128,671
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		UNIVERSITY OF SOUTH CAROLINA	HDTRA1-15-1-0065		\$129,568
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		NORTHWESTERN UNIVERSITY	HDTRA1-15-1-0052		\$193,217
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF MICHIGAN	W81XWH-14-1-0466		\$4,415
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF CALIFORNIA, SAN DIEGO	W81XWH-12-2-0012		\$31,809
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	W81XWH-12-1-0258		-\$21,852
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		NEW YORK UNIVERSITY	W81XWH15-2-0036		\$98,900
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		SLOAN-KETTERING INSTITUTE UNIVERSITY OF ALABAMA - BIRMINGHAM	W81XWH-13-1-0199		\$19,606
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		MASSACHUSETTS EYE AND EAR INFIRMARY	W81XWH-15-1-0705		\$64,987
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		SARENTIS, INC.	W81XWH-12-2-0108		\$24,359
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF VERMONT & STATE AGRICULTURAL COLLEGE	W81XWH-11-2-0064		\$1
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		BRAIN TRAUMA FOUNDATION	W81XWH-14-1-0199		\$7,164
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420			W911QY-12-C-0005		\$38,017
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF CALIFORNIA, DAVIS	W911NF-12-1-0271		\$179,598
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF PENNSYLVANIA	W911NF-12-1-0509		\$435,227
BASIC SCIENTIFIC RESEARCH	12.431		CLEMSON UNIVERSITY	W911NF-12-1-0332		\$63,315
BASIC SCIENTIFIC RESEARCH	12.431		GEORGIA INSTITUTE OF TECHNOLOGY	W911NF-15-1-0609		\$126,221
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF CHICAGO	W911NF-14-1-0003		\$255,202
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF CALIFORNIA, SANTA BARBARA	W911NF-10-2-0114		\$63,478
BASIC SCIENTIFIC RESEARCH	12.431		CALIFORNIA INSTITUTE OF TECHNOLOGY	W911NF-11-2-0055		-\$4,436
BASIC SCIENTIFIC RESEARCH	12.431		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	W911NF-11-1-0202		\$30,782
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF ARIZONA	FA9550-10-1-0561		\$26,821
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		PRINCETON UNIVERSITY	FA9550-12-1-0200		\$1,372
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		PRINCETON UNIVERSITY	FA9550-16-1-0046		\$9,290
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		STANFORD UNIVERSITY	29182900-51677-B		\$587,646
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		UNIVERSITY OF PITTSBURGH	FA9550-10-1-0524		\$39,883
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		LADISH FORGING	FA8650-10-2-5219		-\$2
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	FA9550-13-1-0159		\$222,529
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	FA9550-15-1-0038		\$247,177
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		SUNY BUFFALO STATE	FA9550-12-1-0226		\$14,570
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		UNIVERSITY OF VIRGINIA	FA8750-11-C-0080		\$12,495
INFORMATION SECURITY GRANTS	12.902		CARNEGIE-MELLON UNIVERSITY	H98230-14-C-0140		\$95,289
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		AGAVE BIOSYSTEMS	FA8650-14-C-5192		\$196,962

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	2013-MA-2385		\$51,287
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF CALIFORNIA, SAN DIEGO	HR0011-16-C-0037		\$22,819
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF NOTRE DAME	2013-KJ-2480		\$15,410
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF NOTRE DAME	2013-MA-2383		\$754,910
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		RAYTHEON COMPANY UNIVERSITY OF CALIFORNIA, BERKELEY	HR0011-14-C-0009		\$135,457
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		SYDOR INSTRUMENTS	N66001-15-C-4066		\$62,905
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		BROWN UNIVERSITY	HDTRA 1-16-P-0019		\$14,362
DEPARTMENT OF DEFENSE, OTHER	12.RD	813	APPLIED OPTRONICS	F48650-12-C-7212		\$29,137
DEPARTMENT OF DEFENSE, OTHER	12.RD	73315	MAGEE TECHNOLOGIES LLC	W911NF-14-C-0113		\$56,898
DEPARTMENT OF DEFENSE, OTHER	12.RD	150010		SBIR N08-006, DO 0007		\$91,263
DEPARTMENT OF DEFENSE, OTHER	12.RD	4915013672	INTERNATIONAL BUSINESS MACHINES	W911NF-15-C-0236		\$105,701
DEPARTMENT OF DEFENSE, OTHER	12.RD	7000000073	BAYLOR COLLEGE OF MEDICINE	D16PC0000		\$107,847
DEPARTMENT OF DEFENSE, OTHER	12.RD	9500012873	RAYTHEON COMPANY	W911NF-09-2-0053		\$121,249
DEPARTMENT OF DEFENSE, OTHER	12.RD	14463-PETTT-CORNELL	ENGLITY LLC	G5O4TO9DBCCO 17		\$11,884
DEPARTMENT OF DEFENSE, OTHER	12.RD	AF112-193	COHERENT TECHNOLOGIES, INC.	FA-9302-14-C0002		\$63,583
DEPARTMENT OF DEFENSE, OTHER	12.RD	AFR 03-101-CU-01	TORC ROBOTICS LLC	FA8750-12-C-0337		\$36,980
DEPARTMENT OF DEFENSE, OTHER	12.RD	ENZ-3201-003	FLIR SYSTEMS	HDTRA1-13-C-0003		\$221,701
DEPARTMENT OF DEFENSE, OTHER	12.RD	PO 4205657534	HONEYWELL INC	FA8650-14-C-7402		\$408,524
DEPARTMENT OF DEFENSE, OTHER	12.RD	PO 9500012405	RAYTHEON COMPANY	W911NF-14-C-0089		\$244,315
DEPARTMENT OF DEFENSE, OTHER	12.RD	S-999-140-001	UES INC.	FA8650-11-D-5801		\$75,163
DEPARTMENT OF DEFENSE, OTHER	12.RD	SC15-6957-1	TOYON RESEARCH CORPORATION	W56KGU-15-C-0050		\$45,000
DEPARTMENT OF DEFENSE, OTHER	12.RD	71881	EXELIS INC.	FA8750-14-D-0123		\$83,020
DEPARTMENT OF DEFENSE, OTHER	12.RD	79995	INVINCEA INC.	W911NF-12-C-0044		\$51,914
TOTAL DEPARTMENT OF DEFENSE PASS THROUGH PROGRAMS					\$7,240,264	
TOTAL DEPARTMENT OF DEFENSE					\$4,573,985	\$30,408,907
CENTRAL INTELLIGENCE AGENCY						
CENTRAL INTELLIGENCE AGENCY DIRECT PROGRAMS						
CENTRAL INTELLIGENCE AGENCY, OTHER	13.RD	2012-12081600004				\$33,572
TOTAL CENTRAL INTELLIGENCE AGENCY						\$33,572
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT						
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT PASS THROUGH PROGRAMS						
HURRICANE SANDY COMMUNITY DEVELOPMENT BLOCK GRANT	14.269		NEW YORK UNIVERSITY	B-13-DS-36-0001		\$12,100
DISASTER RECOVERY ...						\$12,100
TOTAL DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT						
DEPARTMENT OF THE INTERIOR						
DEPARTMENT OF THE INTERIOR DIRECT PROGRAMS						
BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM)	15.423					\$664,078
ENVIRONMENTAL STUDIES PROGRAM (ESP)	15.619					\$4,263
RHINOCEROS AND TIGER CONSERVATION FUND	15.620					\$89,974
AFRICAN ELEPHANT CONSERVATION FUND	15.647					\$38,492
MIGRATORY BIRD CONSERVATION					\$9,744	

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Total Federal Expenditures</i>
WILDLIFE WITHOUT BORDERS-AFRICA PROGRAM	15.651					\$12,578
UNDESIRABLE/NOXIOUS PLANT SPECIES	15.652				\$16,276	\$25,046
MIGRATORY BIRD MONITORING, ASSESSMENT AND CONSERVATION	15.655					\$19,184
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805				\$54,059	\$77,749
EARTHQUAKE HAZARDS RESEARCH AND MONITORING ASSISTANCE	15.807					\$29,374
U.S. GEOLOGICAL SURVEY _ RESEARCH AND DATA COLLECTION	15.808					\$30,362
COOPERATIVE RESEARCH UNITS PROGRAM	15.812					\$48,256
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820					\$78,197
NATIONAL CENTER FOR PRESERVATION TECHNOLOGY AND TRAINING	15.923					\$21,820
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945					\$53,581
DEPARTMENT OF THE INTERIOR, OTHER	15.RD	F15PX02409				\$2,016
TOTAL DEPARTMENT OF THE INTERIOR DIRECT PROGRAMS					\$80,079	\$1,194,970
DEPARTMENT OF THE INTERIOR PASS THROUGH PROGRAMS						
BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM)	15.423		UNIVERSITY SYSTEM OF MARYLAND	14-14-1916		\$642,161
ENVIRONMENTAL STUDIES PROGRAM (ESP)						
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	66287	SUNY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY	-		\$30,326
WILDLIFE WITHOUT BORDERS- LATIN AMERICA AND THE CARIBBEAN	15.640	72219	SOCIETY FOR THE CONSERVATION AND STUDY OF CARIBBEAN AND STUDY OF CARIBBEAN OSWEGO COUNTY SOIL AND WATER	-		\$6,468
GREAT LAKES RESTORATION	15.662		OSWEGO COUNTY SOIL AND WATER CONSERVATION DISTRICT	F14AP00480		-\$184
GREAT LAKES RESTORATION	15.662		OSWEGO COUNTY SOIL AND WATER CONSERVATION DISTRICT	F15AP00737		\$82,474
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805		ILLINOIS/INDIANA SEA GRANT	G16AP00001		\$18,669
NATURAL RESOURCE STEWARDSHIP	15.944		THE WILDLIFE CONSERVATION SOCIETY	P14AC01473		\$43,554
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945		BROOKLYN COLLEGE	P14AC01445		\$25,990
TOTAL DEPARTMENT OF THE INTERIOR PASS THROUGH PROGRAMS					\$80,079	\$849,458
TOTAL DEPARTMENT OF THE INTERIOR						\$2,044,428
DEPARTMENT OF JUSTICE						
DEPARTMENT OF JUSTICE DIRECT PROGRAMS						
DEPARTMENT OF JUSTICE, OTHER	16.RD	2014-BJ-CX-K043				\$70,309
TOTAL DEPARTMENT OF JUSTICE DIRECT PROGRAMS						\$70,309
DEPARTMENT OF JUSTICE PASS THROUGH PROGRAMS						
JUVENILE MENTORING PROGRAM	16.726		NATIONAL 4-H COUNCIL	2014-JU-FX-0025	\$246,932	\$313,743
JUVENILE MENTORING PROGRAM	16.726		NATIONAL 4-H COUNCIL	2015-JU-FX-0015	\$32,095	\$81,787
TOTAL DEPARTMENT OF JUSTICE PASS THROUGH PROGRAMS					\$279,027	\$395,530
TOTAL DEPARTMENT OF JUSTICE					\$279,027	\$465,839

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
DEPARTMENT OF STATE						
DEPARTMENT OF STATE DIRECT PROGRAMS						
PUBLIC DIPLOMACY PROGRAMS	19.040					\$15,600
TOTAL DEPARTMENT OF STATE DIRECT PROGRAMS						\$15,600
DEPARTMENT OF STATE PASS THROUGH PROGRAMS						
ACADEMIC EXCHANGE PROGRAMS - HUBERT H. HUMPHREY	19.010		INSTITUTE OF INTERNATIONAL EDUCATION	S-ECAGD-14-CA-1037		\$28,160
FELLOWSHIP PROGRAM			INSTITUTE OF INTERNATIONAL EDUCATION			
ACADEMIC EXCHANGE PROGRAMS - HUBERT H. HUMPHREY	19.010		UNITED STATES-INDIA EDUCATIONAL FOUNDATION	S-ECAGD-15-CA-1017		\$231,951
FELLOWSHIP PROGRAM						
U.S. DEPARTMENT OF STATE, OTHER	19.RD	USIEF/OSI/2012/01			\$52,103	\$89,446
TOTAL DEPARTMENT OF STATE PASS THROUGH PROGRAMS					\$52,103	\$349,557
TOTAL DEPARTMENT OF STATE					\$52,103	\$365,157
DEPARTMENT OF TRANSPORTATION						
DEPARTMENT OF TRANSPORTATION DIRECT PROGRAMS						
BIOBASED TRANSPORTATION RESEARCH	20.761				-\$100	-\$616
TOTAL DEPARTMENT OF TRANSPORTATION DIRECT PROGRAMS					-\$100	-\$616
DEPARTMENT OF TRANSPORTATION PASS THROUGH PROGRAMS						
HIGHWAY PLANNING AND CONSTRUCTION	20.205	55606-03-25	CITY UNIVERSITY OF NEW YORK			\$105,216
HIGHWAY PLANNING AND CONSTRUCTION	20.205		CITY UNIVERSITY OF NEW YORK	C030794		\$62,471
HIGHWAY PLANNING AND CONSTRUCTION	20.205		CITY UNIVERSITY OF NEW YORK	C030794 & DTRT13-G-UTC32		\$106,542
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	00166-(055)	NYS DEPT OF MOTOR VEHICLES			\$34,523
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	HS1-2016	NYS DEPT OF MOTOR VEHICLES			\$20,237
PIPELINE SAFETY PROGRAM STATE BASE GRANT	20.700		NORTHEAST GAS ASSOCIATION	DTPH56-13-T-000013		\$197,825
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		CITY UNIVERSITY OF NEW YORK	C030794 & DTRT13-G-UTC32		\$30,929
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		CITY UNIVERSITY OF NEW YORK	DTRT07-G-0002		\$74,795
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		CITY UNIVERSITY OF NEW YORK	DTRT12-G-UTC02		\$5,000
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		CITY UNIVERSITY OF NEW YORK	DTRT13-G-UTC32	\$3,981	\$25,038
DEPARTMENT OF TRANSPORTATION, OTHER	20.000	C030589	NYS DEPT OF TRANSPORTATION			\$231,575
TOTAL DEPARTMENT OF TRANSPORTATION PASS THROUGH PROGRAMS					\$3,981	\$894,151
TOTAL DEPARTMENT OF TRANSPORTATION					\$3,881	\$893,535
DEPARTMENT OF TREASURY						
DEPARTMENT OF TREASURY DIRECT PROGRAMS						
DEPARTMENT OF THE TREASURY, OTHER	21.000	78796				\$53,074
TOTAL DEPARTMENT OF TREASURY						\$53,074
NATIONAL AERONAUTICS & SPACE ADMINISTRATION PROGRAMS						
SCIENCE	43.001				\$472,813	\$3,570,369
AERONAUTICS	43.002					\$80,406
EXPLORATION	43.003					\$127,095
SPACE OPERATIONS	43.007					\$18,732
EDUCATION	43.008				\$314,871	\$666,243
CROSS AGENCY SUPPORT	43.009					\$348,113
SPACE TECHNOLOGY	43.012					\$307,233

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER TOTAL NATIONAL AERONAUTICS & SPACE ADMINISTRATION DIRECT PROGRAMS	43-RD	NNL15AA10C			\$787,684	\$471,776
NATIONAL AERONAUTICS & SPACE ADMINISTRATION PASS THROUGH PROGRAMS						
SCIENCE	43.001		UNIVERSITY SYSTEM OF MARYLAND	NNX11AK83G		\$3,390
SCIENCE	43.001		TEXAS A&M UNIVERSITY	NNX14AD52G		\$53,333
SCIENCE	43.001		DARTMOUTH COLLEGE	NNX14AH07G		\$128,622
SCIENCE	43.001		GATS INC.	NNX14AN51G		\$3,234
SCIENCE	43.001		UNIVERSITY OF VIRGINIA	NNX13AG38G		\$35,894
SCIENCE	43.001		JET PROPULSION LABORATORY	NMO0710777		-\$96
SCIENCE	43.001		JET PROPULSION LABORATORY	NMO710782		\$348
SCIENCE	43.001		JET PROPULSION LABORATORY	NMO710782	\$572,359	\$733,432
SCIENCE	43.001		UNIVERSITIES SPACE RESEARCH ASSOC	NAS2-97001		\$4,504
SCIENCE	43.001		UNIVERSITIES SPACE RESEARCH ASSOC	NNX13AQ46G		\$2,529
SCIENCE	43.001		APPLIED PHYSICS LABORATORY	NNX15AM57G		\$22,464
SCIENCE	43.001		MALIN SPACE SCIENCE SYSTEMS	NMO710947		\$23,407
SCIENCE	43.001		SOUTHWEST RESEARCH INSTITUTE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	NNM06AA75C		\$128,827
SCIENCE	43.001		UNIVERSITY OF CENTRAL FLORIDA	NAS8-03060		\$13,844
SCIENCE	43.001		CHARLES STARK DRAPER LABORATORY INC.	NNX12AI69G		\$54,845
SPACE OPERATIONS	43.007		NATIONAL SPACE GRANT FOUNDATION	NNX14AM90G		\$2,776
EDUCATION	43.008			NNX13AE43A		\$6,617
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	1530822 (JP59)	APPLIED PHYSICS LABORATORY	1530822 (JP59)		\$35,070
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	NM0710846	JET PROPULSION LABORATORY	NM0710846		\$60,975
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	NM0711043	JET PROPULSION LABORATORY	NM0711043		\$56,780
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	NM071112312	JET PROPULSION LABORATORY	NM071112312		\$155,639
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	NM0711123	JET PROPULSION LABORATORY	NM0711123	\$115,834	\$978,882
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	NAS7-03001	JET PROPULSION LABORATORY	NAS7-03001		\$71,954
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	1525402	JET PROPULSION LABORATORY	-		\$59,571
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	NNN12AA01C	JET PROPULSION LABORATORY	NNN12AA01C	\$278,567	\$809,323
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	1536803	JET PROPULSION LABORATORY	-		\$22,403
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43-RD	1538669	JET PROPULSION LABORATORY	-		\$32,225

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CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	1545834	JET PROPULSION LABORATORY	-		\$3,859
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	NNG07EK00C	ARIZONA STATE UNIVERSITY	NNG07EK00C		\$9,290
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	NMO710846	MALIN SPACE SCIENCE SYSTEMS UNIVERSITIES SPACE RESEARCH ASSOC	NMO710846		\$151,346
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	NAS2-97001		NAS2-97001		\$43,394
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	NNN13D496T	ARIZONA STATE UNIVERSITY	NNN13D496T		\$24,724
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	NAS5-26555	SPACE TELESCOPE SCIENCE INST.	NAS5-26555		\$25,010
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	43.RD	Y432802	UNIVERSITY OF ARIZONA	1272218		\$2,791
TOTAL NATIONAL AERONAUTICS & SPACE ADMINISTRATION PASS THROUGH PROGRAMS					\$966,760	\$3,761,206
TOTAL NATIONAL AERONAUTICS & SPACE ADMINISTRATION					\$1,754,444	\$9,351,173
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES						
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES DIRECT PROGRAMS						
PROMOTION OF THE ARTS_ GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024					\$46,703
PROMOTION OF THE HUMANITIES_ DIVISION OF PRESERVATION AND ACCESS	45.149					\$2,181
PROMOTION OF THE HUMANITIES_ DIVISION OF PRESERVATION AND ACCESS	45.149					\$4,863
PROMOTION OF THE HUMANITIES_ PROFESSIONAL DEVELOPMENT	45.163					\$96,776
PROMOTION OF THE HUMANITIES_ OFFICE OF DIGITAL HUMANITIES NATIONAL LEADERSHIP GRANTS	45.169					\$72,078
TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES DIRECT PROGRAMS	45.312					\$5,360
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES PASS THROUGH PROGRAMS						
NATIONAL LEADERSHIP GRANTS	45.312		MISSOURI BOTANICAL GARDEN	LG-05-13-0352-13		\$227,961
TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES PASS THROUGH PROGRAMS						\$29,527
TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES						\$257,488

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

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
NATIONAL SCIENCE FOUNDATION						
NATIONAL SCIENCE FOUNDATION DIRECT PROGRAMS						
ENGINEERING GRANTS	47.041				\$3,693,716	\$12,711,016
MATHEMATICAL AND PHYSICAL SCIENCES	47.049				\$2,112,582	\$41,708,170
GEOSCIENCES	47.050				\$1,419,261	\$4,045,310
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070				\$377,255	\$13,136,083
BIOLOGICAL SCIENCES	47.074				\$4,859,110	\$17,244,707
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075				\$42,892	\$1,534,022
EDUCATION AND HUMAN RESOURCES	47.076				\$138,976	\$11,234,564
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079					\$24,251
TRANS-NSF RECOVERY ACT RESEARCH SUPPORT	47.082	1257284				\$1,485
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	79605				\$96,781
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	5294830501				\$8,000
	47.RD				\$10,055	\$10,055
TOTAL NATIONAL SCIENCE FOUNDATION DIRECT PROGRAMS					\$12,643,792	\$101,754,444
NATIONAL SCIENCE FOUNDATION PASS THROUGH PROGRAMS						
ENGINEERING GRANTS	47.041		UNIVERSITY OF DELAWARE	1331269		\$43,351
ENGINEERING GRANTS	47.041		UNIVERSITY OF PENNSYLVANIA	EFRI-1331583		\$203,498
			UNIVERSITY OF MASSACHUSETTS AMHERST			\$93,722
ENGINEERING GRANTS	47.041		TEXAS A&M UNIVERSITY	EFRI-1240441		\$141,311
ENGINEERING GRANTS	47.041		UNIVERSITY OF NOTRE DAME	EFRI-1240478		\$67,173
ENGINEERING GRANTS	47.041		UNIVERSITY OF NOTRE DAME	ECCS-1202452		\$277,444
ENGINEERING GRANTS	47.041		UNIVERSITY OF CALIFORNIA, LOS ANGELES	EFRI-1433490		\$193,171
ENGINEERING GRANTS	47.041		UNIVERSITY OF SOUTHERN CALIFORNIA	EEC-1160504		\$1,943
ENGINEERING GRANTS	47.041		UNIVERSITY OF CALIFORNIA, BERKELEY	ECCS-1411244		\$88,607
ENGINEERING GRANTS	47.041		CALIFORNIA INSTITUTE OF TECHNOLOGY	CCF-0424422		-\$40
ENGINEERING GRANTS	47.041		NORFOLK STATE UNIVERSITY	EFRI-1137269		\$124,910
ENGINEERING GRANTS	47.041		ZYMTRONIX CATALYTIC SYSTEMS, INC. WASHINGTON UNIVERSITY IN ST. LOUIS	DGE-0986188		\$50,815
ENGINEERING GRANTS	47.041	WU-16-392	WILLIAM ORTIZ CALIFORNIA INSTITUTE OF TECHNOLOGY	1456279		\$134,713
MATHEMATICAL AND PHYSICAL SCIENCES	47.041		PRINCETON UNIVERSITY	EFRI-1137269		\$57,946
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		PRINCETON UNIVERSITY	AST-1440226		\$146,545
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	PHY-1120138		\$867,818
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		PENNSYLVANIA STATE UNIVERSITY	DMR-1307354		\$86,327
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF MINNESOTA	DMR-1420620		\$115,111
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF NEBRASKA	CHE-1413862		\$1,134,203
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		HOWARD UNIVERSITY	PHY-1343486		\$26,386
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		NORFOLK STATE UNIVERSITY	DMR-1205608		\$83,645
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			DMR-1205457		\$27,582

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
MATHEMATICAL AND PHYSICAL SCIENCES	47,049		SUNY STONY BROOK	DMR-1344267		\$15,001
MATHEMATICAL AND PHYSICAL SCIENCES	47,049		UNIVERSITY OF WISCONSIN SYSTEM UNIVERSITIES SPACE RESEARCH	PHY-1430284		\$395,410
MATHEMATICAL AND PHYSICAL SCIENCES	47,049		ASSOC	AST-1160876	\$15,494	\$75,355
MATHEMATICAL AND PHYSICAL SCIENCES	47,049		NATL RADIO ASTRONOMY OBSERV	AST-0836064		\$31,158
GEOSCIENCES	47,050		PENNSYLVANIA STATE UNIVERSITY	GEO-1240507		\$97,200
GEOSCIENCES	47,050		STANFORD UNIVERSITY	OCE-1434325		\$5,929
GEOSCIENCES	47,050		OHIO STATE UNIVERSITY	PLR-1249631		\$10,505
GEOSCIENCES	47,050		UNIVERSITY OF MINNESOTA	1043681		\$22,587
GEOSCIENCES	47,050		UNIVERSITY OF MINNESOTA	PLR-1559691		\$16,773
GEOSCIENCES	47,050		BOSTON UNIVERSITY	OCE-1260424		\$74,898
GEOSCIENCES	47,050		UNIVERSITY OF SOUTHERN CALIFORNIA	EAR-1033462		\$25,882
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		COMPUTING RESEARCH ASSOCIATION	1136966		\$19,541
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		UNIVERSITY OF CALIFORNIA, DAVIS	CNS-1321115		\$84,270
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	OCI-1053575		\$443,000
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		ARIZONA STATE UNIVERSITY	1320065		\$42,516
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		UNIVERSITY OF MARYLAND COLLEGE PARK	1514261		\$211,224
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		UNIVERSITY OF CALIFORNIA, RIVERSIDE	1330110		\$80,958
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		STANFORD UNIVERSITY	IIS-1139161		\$112,655
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		UNIVERSITY OF CALIFORNIA, SAN DIEGO	CNS-1248117		\$6,088
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	CNS-1330599		\$172,924
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47,070		CLEMSON UNIVERSITY	IIS-1527165		\$473
BIOLOGICAL SCIENCES	47,074		MICHIGAN STATE UNIVERSITY	IOS-0922493		\$234,430
BIOLOGICAL SCIENCES	47,074		KANSAS STATE UNIVERSITY	IOS-1238187		\$631
BIOLOGICAL SCIENCES	47,074		UNIVERSITY OF DELAWARE	1127076		\$68,930
BIOLOGICAL SCIENCES	47,074		UNIVERSITY OF MISSOURI	IOS-1456047		\$105,638
BIOLOGICAL SCIENCES	47,074		UNIVERSITY OF BUFFALO	DBI1231306		\$290,633
BIOLOGICAL SCIENCES	47,074		UNIVERSITY OF CALIFORNIA, RIVERSIDE	IOS-1027542		\$14,411
BIOLOGICAL SCIENCES	47,074		BOYCE THOMPSON INSTITUTE	IOS-1354421		\$22,553
BIOLOGICAL SCIENCES	47,074		UNIVERSITY OF WYOMING	MCB-1052051		\$7,587
BIOLOGICAL SCIENCES	47,074		CARY INSTITUTE OF ECOSYSTEM STUDIES	1633026		\$80,284
BIOLOGICAL SCIENCES	47,074		UNIVERSITY OF CALIFORNIA, SAN DIEGO	1444507		\$89,329
BIOLOGICAL SCIENCES	47,074	76922	DONALD DANFORTH PLANT SCIENCE CENTER	-		\$16,938

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
BIOLOGICAL SCIENCES	47.074		DONALD DANFORTH PLANT SCIENCE CENTER	IOS-1126950		\$19,695
BIOLOGICAL SCIENCES	47.074		IOWA STATE UNIVERSITY	IOS-1238189 (KSU #S13031)		\$84,186
BIOLOGICAL SCIENCES	47.074		IOWA STATE UNIVERSITY	IOS-1339348		\$106,779
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF ARIZONA	IOS-1457092		\$97,603
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	IOS-1343020		\$268,667
BIOLOGICAL SCIENCES	47.074		YALE UNIVERSITY	IOS-1127017		\$547,105
BIOLOGICAL SCIENCES	47.074		AUBURN UNIVERSITY	DEB-1023403		\$5,261
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075		GEORGE WASHINGTON UNIVERSITY	CNS-1421373		\$70,420
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF WISCONSIN MADISON	DUE-1231286		\$32,742
EDUCATION AND HUMAN RESOURCES	47.076		TWIN CITIES PUBLIC TELEVISION	DRL-1323713		\$42,914
EDUCATION AND HUMAN RESOURCES	47.076		TUSKEGEE UNIVERSITY	HRD-1137681		\$87,232
EDUCATION AND HUMAN RESOURCES	47.076		CLARK ATLANTA UNIVERSITY	HRD-1137751		\$29,957
EDUCATION AND HUMAN RESOURCES	47.076		SYRACUSE UNIVERSITY	HRD-1202480		\$42,793
EDUCATION AND HUMAN RESOURCES	47.076		ROCHESTER INSTITUTE OF TECHNOLOGY	HRD-1127955		\$24,210
POLAR PROGRAMS	47.078		OHIO STATE UNIVERSITY	ARC-1111882		-\$3,131
OFFICE OF CYBERINFRASTRUCTURE	47.080		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	OCI-1053575		-\$1,526
OFFICE OF CYBERINFRASTRUCTURE	47.080		UNIVERSITY OF TEXAS, AUSTIN	OCI-1134872		\$181,586
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	1013484	BOMBYX TECHNOLOGIES	1013484		\$19
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	78952	UNIVERSITY OF WISCONSIN SYSTEM	CNS-1330308		\$30,647
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	5290030501	MAYO CLINIC	-		\$75,414
TOTAL NATIONAL SCIENCE FOUNDATION PASS THROUGH PROGRAMS					\$15,494	\$8,584,465
TOTAL NATIONAL SCIENCE FOUNDATION					\$12,659,286	\$110,338,909
ENVIRONMENTAL PROTECTION AGENCY						
ENVIRONMENTAL PROTECTION AGENCY DIRECT PROGRAMS						
NATIONAL ESTUARY PROGRAM	66.456					\$196,522
GREAT LAKES PROGRAM	66.469				\$297,573	\$1,134,523
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509				\$35,747	\$224,576
SCIENCE TO ACHIEVE RESULTS (STAR) FELLOWSHIP PROGRAM	66.514					\$39,530
SCIENCE TO ACHIEVE RESULTS (STAR) FELLOWSHIP PROGRAM	66.514					\$29,428
P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY	66.516					\$31,704
NATIONAL ENVIRONMENTAL EDUCATION TRAINING PROGRAM	66.950				\$1,260,969	\$1,940,905
TOTAL ENVIRONMENTAL PROTECTION AGENCY DIRECT PROGRAMS					\$1,594,289	\$3,597,188
ENVIRONMENTAL PROTECTION AGENCY PASS THROUGH PROGRAMS						
CHESAPEAKE BAY PROGRAM	66.466		TIOGA COUNTY SOIL & WATER CONSERVATION DISTRICT	0602.11.028147		\$9,235
GREAT LAKES PROGRAM	66.469		ILLINOIS/INDIANA SEA GRANT	GL-00E01140		\$6,314

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CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
GREAT LAKES PROGRAM	66.469		SEA GRANT U OF MINNESOTA	GL-00E00813		\$7,317
GREAT LAKES PROGRAM	66.469		SEA GRANT U OF MINNESOTA	GL-00E01135		\$10,983
GREAT LAKES PROGRAM	66.469		MINNESOTA DEPARTMENT OF AGRICULTURE	00E01283		\$206,311
ENVIRONMENTAL PROTECTION AGENCY, OTHER	66.000	78829	PENNSYLVANIA STATE UNIVERSITY	-		\$5,628
TOTAL ENVIRONMENTAL PROTECTION AGENCY PASS THROUGH PROGRAMS						\$245,788
TOTAL ENVIRONMENTAL PROTECTION AGENCY					\$1,594,289	\$3,842,976
NUCLEAR REGULATORY COMMISSION						
NUCLEAR REGULATORY COMMISSION DIRECT PROGRAMS						
NUCLEAR REGULATORY COMMISSION, OTHER	77.000	NRC-HQ-12-C-37-0039				\$121,737
TOTAL NUCLEAR REGULATORY COMMISSION						\$121,737
DEPARTMENT OF ENERGY						
DEPARTMENT OF ENERGY DIRECT PROGRAMS						
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		PENNSYLVANIA STATE UNIVERSITY	26487740-49105-B		\$87,890
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087		CARNEGIE INSTITUTION OF WASHINGTON	DE-SC0001057		\$163,106
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112		LEHIGH UNIVERSITY	DE-FG02-07ER46463		\$62,276
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		SLAC NATIONAL ACCELERATOR LABORATORY	DE-AC02-76SF00515		\$65,566
DEPARTMENT OF ENERGY, OTHER	81.RD	59612	AERODYNE RESEARCH INC.	DE-SC0013716		\$25,456
TOTAL DEPARTMENT OF ENERGY DIRECT PROGRAMS			KITWARE INC	DE-SC001135		\$113,114
DEPARTMENT OF ENERGY PASS THROUGH PROGRAMS			FARADAY TECHNOLOGY INC.	DE-SC0011235		\$86,515
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		FARADAY TECHNOLOGY INC.	DE-SC0011342		\$97,380
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		SYDOR INSTRUMENTS	DE-SC0013234		\$62,836
REGIONAL BIOMASS ENERGY PROGRAMS	81.079		SOUTH DAKOTA STATE UNIVERSITY	DE-FC36-05GO85041		\$2,847
ELECTRICITY DELIVERY AND ENERGY RELIABILITY, RESEARCH, DEVELOPMENT AND ANALYSIS	81.122		ARIZONA STATE UNIVERSITY	DOE-OE0000670		\$49,984
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	DE-AR0000598		\$116,175
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC02-76SF00515	SLAC NATIONAL ACCELERATOR LABORATORY	DE-AC02-76SF00515		\$290,550
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AR0000445	UNIVERSITY OF NOTRE DAME	DE-AR0000445		\$211,096
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC52-06NA25396	LOS ALAMOS NATIONAL LABORATORY	DE-AC52-06NA25396		\$39,593
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC05-76RL01830	BATTELLE-PACIFIC NORTHWEST	DE-AC05-76RL01830		\$50,756

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC02-98CH10886	BROOKHAVEN NATIONAL LABORATORY	DE-AC02-98CH10886	\$71,864	\$2,025,501
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC02-07CH11359	FERMI NATIONAL ACCELERATOR LABORATORY	DE-AC02-07CH11359		\$11,607
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC04-94AL85000	SANDIA LABORATORIES	DE-AC04-94AL85000		\$141,218
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC02-05CH11231	LAWRENCE BERKELEY NATIONAL LABORATORY	DE-AC02-05CH11231		\$332,896
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC05-00OR22725	UT-BATTELLE LLC	DE-AC05-00OR22725		\$197,680
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AR0000454	UNIVERSITY OF NOTRE DAME	DE-AR0000454		\$28,428
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC07-05ID14517	SOUTH DAKOTA STATE UNIVERSITY	DE-AC07-05ID14517		\$27,208
DEPARTMENT OF ENERGY, OTHER	81.RD	68946_CLW	RADIABEAM TECHNOLOGIES	-		\$24,007
DEPARTMENT OF ENERGY, OTHER	81.RD	PO 604463; PO 615223	FERMI NATIONAL ACCELERATOR LABORATORY	-		\$439,889
DEPARTMENT OF ENERGY, OTHER	81.RD	DE-AC36-08GO28308	NATL RENEWABLE ENERGY LAB	DE-AC36-08GO28308		\$11,018
DEPARTMENT OF ENERGY, OTHER	81.RD	74829	ADVANCED ENERGY SYSTEMS	DE-SC0013276		\$59,366
DEPARTMENT OF ENERGY, OTHER	81.RD	65603	ARIZONA STATE UNIVERSITY	-		\$56,288
DEPARTMENT OF ENERGY, OTHER	81.RD	75480	DUKE UNIVERSITY	-		\$31,647
DEPARTMENT OF ENERGY, OTHER	81.U00	DE-AC02-98CH10886	BROOKHAVEN NATIONAL LABORATORY	DE-AC02-98CH10886		\$567,466
TOTAL DEPARTMENT OF ENERGY PASS THROUGH PROGRAMS					\$71,864	\$5,479,359
TOTAL DEPARTMENT OF ENERGY					\$2,833,007	\$19,153,973
DEPARTMENT OF EDUCATION						
DEPARTMENT OF EDUCATION DIRECT PROGRAMS						
FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANTS (SEOG)	84.007					\$2,686,733
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				\$399,043	\$1,405,188
OVERSEAS PROGRAMS - DOCTORAL DISSERTATION RESEARCH ABROAD	84.022					\$57,558
FEDERAL WORK-STUDY PROGRAM	84.033					\$2,478,488
FEDERAL PERKINS LOAN-NEW LOANS ISSUED 2016	84.038					\$12,397,966
FEDERAL PERKINS LOAN-ADMINISTRATIVE COST ALLOWANCE	84.038					\$693,742
FEDERAL PERKINS LOAN-OUTSTANDING LOANS AS OF JULY 1, 2015	84.038					\$43,678,755
TRIO_UPWARD BOUND	84.047					\$280,590
FEDERAL PELL GRANT	84.063					\$9,964,132
NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH	84.133					-\$38,092
NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH	84.133					\$31,307
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200					\$246,065
TRIO_MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217					\$279,369
FEDERAL DIRECT STUDENT LOANS	84.268					\$105,019,894
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305					\$85,795
TOTAL DEPARTMENT OF EDUCATION DIRECT PROGRAMS					\$399,043	\$179,267,490

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
DEPARTMENT OF EDUCATION PASS THROUGH PROGRAMS						
CAREER AND TECHNICAL EDUCATION -- BASIC GRANTS TO STATES	84.048	014-201	NYS EDUCATION DEPARTMENT- ADULT CAREER AND CONTINU	-		\$20,024
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	MOU#015-012	NYS DEPT OF EDUCATION	-		\$48,674
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	T011802	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-		\$32,727
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	68217	NYS DEPT OF EDUCATION	-		\$319,051
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	76604	NYS DEPT OF EDUCATION	-		\$51,733
NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH	84.133		UNIVERSITY OF NEW HAMPSHIRE	H133B100030		\$30,042
NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH	84.133		HENRY H. KESSLER FOUNDATION NEW YORK CITY BOARD OF EDUCATION	H133B120005		\$11,636
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	OLS # 25225		-		\$73,539
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		UNIVERSITY OF WISCONSIN MADISON NYS DEPT OF CORRECTIONAL SERVICES	R305D120005		\$2,689
COLLEGE ACCESS CHALLENGE GRANT PROGRAM	84.378	T161302	NYS DEPT OF CORRECTIONAL SERVICES	-		\$6,245
COLLEGE ACCESS CHALLENGE GRANT PROGRAM	84.378	T161350	NYS DEPT OF CORRECTIONAL SERVICES	-		\$35,884
PROMOTING READINESS OF MINORS IN SUPPLEMENTAL SECURITY INCOME	84.418		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	H418P130011	\$1,418,201	\$3,902,484
DEPARTMENT OF EDUCATION, OTHER	84.U00	015-047	NYS DEPT OF EDUCATION	-		\$514,904
DEPARTMENT OF EDUCATION, OTHER	84.U01	C010569	NYS DEPT OF EDUCATION	-		\$19,917
TOTAL DEPARTMENT OF EDUCATION PASS THROUGH PROGRAMS					\$1,418,201	\$5,069,549
TOTAL DEPARTMENT OF EDUCATION					\$1,817,244	\$184,337,039
NATIONAL ARCHIVES & RECORDS ADMINISTRATION						
NATIONAL ARCHIVES & RECORDS ADMINISTRATION DIRECT PROGRAMS						
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS	89.003					
TOTAL NATIONAL ARCHIVES & RECORDS ADMINISTRATION						
JAPAN U.S. FRIENDSHIP COMMISSION						
JAPAN U.S. FRIENDSHIP COMMISSION						
JAPAN U.S. FRIENDSHIP COMMISSION DIRECT PROGRAMS						
JAPAN-U.S. FRIENDSHIP COMMISSION GRANTS	90.300	NO. 15-02				
TOTAL JAPAN U.S. FRIENDSHIP COMMISSION						
DEPARTMENT OF HEALTH AND HUMAN SERVICES						
DEPARTMENT OF HEALTH AND HUMAN SERVICES DIRECT PROGRAMS						
CHRONIC DISEASES: RESEARCH, CONTROL, AND PREVENTION	93.068				\$5,678	\$119,436
FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT						
REGULATORY RESEARCH	93.077					\$1,386,497

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

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	Federal Grantor/Program Title				
	HHS PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON CONSTRUCTION				-\$5,422
93.095					\$50,848
93.103	FOOD AND DRUG ADMINISTRATION_RESEARCH			\$195,672	\$1,007,564
93.103	FOOD AND DRUG ADMINISTRATION_RESEARCH				
	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS				\$103,269
93.110	ENVIRONMENTAL HEALTH			\$38,769	\$403,858
93.113	ORAL DISEASES AND DISORDERS RESEARCH				\$1,027,509
93.121	HUMAN GENOME RESEARCH			\$164,266	\$720,333
93.172	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS				\$337,709
93.173	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH			\$21,765	
93.213	NATIONAL RESEARCH SERVICE AWARDS_HEALTH SERVICES RESEARCH TRAINING				\$289,172
93.225	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES				\$332,883
93.226	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH				\$413,610
93.233	MENTAL HEALTH RESEARCH GRANTS				-\$149
93.242	GERIATRIC ACADEMIC CAREER AWARDS			\$716,726	\$7,106,616
93.250	ALCOHOL RESEARCH PROGRAMS			\$94,925	\$30,605
93.273	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS			\$1,928,718	\$5,611,089
93.279	MENTAL HEALTH NATIONAL RESEARCH SERVICE AWARDS FOR RESEARCH TRAINING				-\$13,641
93.282	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH			\$672,680	\$2,933,032
93.286	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH			\$124,976	\$415,348
93.307	TRANS-NIH RESEARCH SUPPORT			\$181,515	\$6,221,040
93.310	HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS-NEW LOANS ISSUED 2016				\$362,633
93.342	HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS-OUTSTANDING LOANS AS OF JULY 1, 2015				\$6,191,332
	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES			\$1,675,742	\$9,063,342
93.350	RESEARCH INFRASTRUCTURE PROGRAMS			\$27,375	\$1,958,477
93.351	NURSING RESEARCH				\$321,478
93.361	NATIONAL CENTER FOR RESEARCH RESOURCES				-\$433
93.389	CANCER CAUSE AND PREVENTION RESEARCH			\$473,315	\$2,082,229
93.393	CANCER DETECTION AND DIAGNOSIS RESEARCH			\$162,643	\$2,649,098
93.394	CANCER TREATMENT RESEARCH			\$303,021	\$4,379,786
93.395	CANCER BIOLOGY RESEARCH			\$563,007	\$4,343,903
93.396	CANCER CENTERS SUPPORT GRANTS			\$19,985	\$140,569
93.397	CANCER RESEARCH MANPOWER				\$1,544,929
93.398	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH				\$1,256,279
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH				\$1,019,234
93.433	HEAD START				\$16,785
93.600					

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

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SOCIAL SERVICES RESEARCH AND DEMONSTRATION	93.647					\$8,703
CHILD ABUSE AND NEGLECT DISCRETIONARY ACTIVITIES	93.670					\$203,317
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT	93.701					-\$71,763
CARDIOVASCULAR DISEASES RESEARCH	93.837				\$1,564,021	\$11,490,949
LUNG DISEASES RESEARCH	93.838				\$2,998,643	\$9,830,158
BLOOD DISEASES AND RESOURCES RESEARCH	93.839				\$896	\$1,711,131
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846				\$9,880	\$1,675,078
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847				\$471,960	\$7,930,387
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853					
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855				\$1,342,090	\$15,201,564
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856				\$7,018,832	\$30,931,686
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859				\$24,838	\$129,781
					\$957,146	\$33,234,609
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865				\$401,180	\$7,324,855
AGING RESEARCH	93.866				\$131,150	\$3,979,799
VISION RESEARCH	93.867				\$195,991	\$3,337,986
INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989				\$312,046	\$666,713
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	14-1908				\$54,535
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	14EJIPA001				\$92,972
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	15IPA1509133				\$116,892
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHS233201550076A				\$564,508
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	5294590401				\$31,924
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	12IPA1203268				\$28,948
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN2612012000181			\$1,197	-\$125
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN26100005				-\$8,362
TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES DIRECT PROGRAMS					\$22,800,648	\$192,893,557
DEPARTMENT OF HEALTH AND HUMAN SERVICES PASS THROUGH PROGRAMS						
GLOBAL AIDS	93.067					
GLOBAL AIDS	93.067				-\$666	-\$2,053
PUBLIC HEALTH EMERGENCY PREPAREDNESS	93.069					\$190,900
BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH	93.080					\$8,216
HHS PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON CONSTRUCTION	93.095					\$21,528
						-\$3,121
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103					\$13,250
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103					\$163,275
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110					\$21,741
ENVIRONMENTAL HEALTH	93.113					\$460
ENVIRONMENTAL HEALTH	93.113					\$68,087
ENVIRONMENTAL HEALTH	93.113					\$1,954
ENVIRONMENTAL HEALTH	93.113					\$2,358

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
ORAL DISEASES AND DISORDERS RESEARCH	93.121		STANFORD UNIVERSITY	5U01DE24430-2	\$52,726	\$52,726
ORAL DISEASES AND DISORDERS RESEARCH	93.121		UNIVERSITY OF PITTSBURGH	5R01DE0022055-04	\$122,903	\$122,903
ORAL DISEASES AND DISORDERS RESEARCH	93.121		JAN BIOTECH INC	1R43DE025437-01	\$19,450	\$19,450
AIDS EDUCATION AND TRAINING CENTERS	93.145		COLUMBIA UNIVERSITY	H4AHA71	\$27,845	\$27,845
AIDS EDUCATION AND TRAINING CENTERS	93.145		COLUMBIA UNIVERSITY	U10HA29291	\$194,945	\$194,945
HUMAN GENOME RESEARCH	93.172		SLOAN-KETTERING INSTITUTE	R01HG6798	\$3,380	\$3,380
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		BINGHAMTON UNIVERSITY	R01DC6914	\$18,672	\$18,672
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		UNIVERSITY OF CHICAGO	R01DC014367	\$96,889	\$96,889
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		STOWERS INSTITUTE FOR MEDICAL RESEARCH	5R01DC014701-02	\$329,131	\$329,131
DISABILITIES PREVENTION	93.184		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	2U27DD862-4	\$7,060	\$7,060
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		ARIZONA STATE UNIVERSITY	R01HS22306	\$5,474	\$5,474
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		COLUMBIA UNIVERSITY	R01HS022903	\$116,020	\$116,020
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		UNIVERSITY OF UTAH	R18HS018932	\$42,597	\$42,597
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		HOSPITAL FOR SPECIAL SURGERY	R01HS21734	-\$14,910	-\$14,910
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		MAYO CLINIC	R01HS023077	\$7,987	\$7,987
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		ALBERT EINSTEIN COLLEGE	R01HS024432	\$6,106	\$6,106
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		THE GEORGE WASHINGTON UNIVERSITY	5R01HS21734-2	\$15,031	\$15,031
POLICY RESEARCH AND EVALUATION GRANTS	93.239		UNIVERSITY OF CALIFORNIA, DAVIS	5H79AE000100-05	\$27,605	\$27,605
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R01MH54137	\$139,874	\$139,874
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R01MH85921	\$76,543	\$76,543
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R21MH103650-2	\$60,546	\$60,546
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R21MH96255	\$93,469	\$93,469
MENTAL HEALTH RESEARCH GRANTS	93.242		COLUMBIA UNIVERSITY	R01MH93637	\$6,834	\$6,834
MENTAL HEALTH RESEARCH GRANTS	93.242		WAYNE STATE UNIVERSITY	R01MH099557	\$34,393	\$34,393
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSIDAD CENTRAL DEL CARIBE	R01MH099557	-\$1,172	-\$1,172
MENTAL HEALTH RESEARCH GRANTS	93.242		NORTHWESTERN UNIVERSITY	P20MH09318	\$13,453	\$13,453
MENTAL HEALTH RESEARCH GRANTS	93.242		DARTMOUTH COLLEGE	5R01MH103148-03	\$59,646	\$59,646
MENTAL HEALTH RESEARCH GRANTS	93.242		DARTMOUTH COLLEGE	5T32MH73553	-\$21,145	-\$21,145
MENTAL HEALTH RESEARCH GRANTS	93.242		DARTMOUTH COLLEGE	T32MH73553	\$22,273	\$22,273
MENTAL HEALTH RESEARCH GRANTS	93.242		SLOAN-KETTERING INSTITUTE	R21MH95378	\$6,955	\$6,955
MENTAL HEALTH RESEARCH GRANTS	93.242		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1R01MH101479-1	\$42,458	\$42,458
MENTAL HEALTH RESEARCH GRANTS	93.242		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01MH101479-2	\$42,445	\$42,445
MENTAL HEALTH RESEARCH GRANTS	93.242		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01MH101479-3	\$2,788	\$2,788
MENTAL HEALTH RESEARCH GRANTS	93.242		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01MH95807-4	\$79,786	\$79,786

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CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
93.242		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R01MH95807		\$1,126
93.242		SCRIPPS RESEARCH INSTITUTE	R21MH96258		-\$103
93.242		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	1R01MH105506-1		\$3,811
93.242		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	5R01MH105506-2		\$3,894
93.242		THE FLORIDA STATE UNIVERSITY	1R01MH104423-1		\$144
93.242		THE FLORIDA STATE UNIVERSITY CENTRE FOR ADDICTION AND MENTAL HEALTH	5R01MH104423-2		\$202,288
93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R01MH99167		\$9,466
93.273		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	1R01AA23163-1		\$1,747
93.273		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	5R01AA23163-2		\$56,338
93.279		UNIVERSITY OF CALIFORNIA, SAN DIEGO	U24DA041123		\$8,785
93.279		TUFTS UNIVERSITY	7R03DA0366883-04		\$28,960
93.279		YALE UNIVERSITY	R21DA38048		\$21,289
93.279		COLUMBIA UNIVERSITY	5R01DA35280-4		\$46,281
93.279		COLUMBIA UNIVERSITY	R01DA35280		\$48,152
93.279		COLUMBIA UNIVERSITY	R21DA35485		-\$4,022
93.279		ROCKEFELLER UNIVERSITY	5P60DA5130-25		\$50,319
93.279		UNIVERSITY OF CALIFORNIA, LOS ANGELES	R21DA038163		\$35,981
93.279		RHODE ISLAND HOSPITAL	1R01DA034634-01		\$956
93.279		NATIONAL BUREAU OF ECONOMIC RESEARCH	R01DA0399968		\$8,568
93.279		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R21DA32858		\$15,477
93.279		VANDERBILT UNIVERSITY	R01DA35263		\$78,204
93.279		UNIVERSITY OF MIAMI	3UG1DA13720-16S3		\$30,138
93.279		ALBERT EINSTEIN COLLEGE	R01DA034086		\$46,226
93.279		BASE5 BIOSCIENCES	R41DA038990		\$58,139
93.279		BOSTON MEDICAL CENTER	R01DA31059-4		\$55,390
93.286		BAYLOR COLLEGE OF MEDICINE	R01EB13584		\$1,639
93.286		UNIVERSITY OF MEMPHIS	5U54EB020404-03		\$40,309
93.286		UNIVERSITY OF NORTH CAROLINA	1P41EB20594-1		\$265,308
93.286		TUFTS MEDICAL CENTER	R01EB016041		\$1,633
93.297		OSWEGO COUNTY	1 TP1AH000086-01-00		\$32,410
93.307		CHILDREN'S RESEARCH INSTITUTE	R01MD007702		\$43,346
93.307		GEORGIA SOUTHERN UNIVERSITY	5P20MD6901-4		\$1,997
93.310	64847	BOYCE THOMPSON INSTITUTE	-		\$144,517
93.310		ROCKEFELLER UNIVERSITY	1UH2TR933-1		\$31,581
93.310		ROCKEFELLER UNIVERSITY	4UH3TR933-351		\$184,050

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

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
93.310	TRANS-NIH RESEARCH SUPPORT	SLOAN-KETTERING INSTITUTE	DP2OD008440		\$23,970
93.310	TRANS-NIH RESEARCH SUPPORT	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1R25EB20393-1		\$5,400
93.310	TRANS-NIH RESEARCH SUPPORT	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	R01EB18659		\$126,335
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	HEALTH RESEARCH INC	3U50CK00042302S1		\$63,455
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	UNIVERSITY OF ROCHESTER	5UL1TR000042-10		\$34,583
93.351	RESEARCH INFRASTRUCTURE PROGRAMS	UNIVERSITY OF MINNESOTA	P4OOD010440		\$38,108
93.361	NURSING RESEARCH	COLUMBIA UNIVERSITY	R01NR10822		\$8,900
93.389	NATIONAL CENTER FOR RESEARCH RESOURCES	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & EDUCATION	5P41RR23953-5		-\$31,345
93.393	CANCER CAUSE AND PREVENTION RESEARCH	UNIVERSITY OF ROCHESTER	R01CA168387		\$74,685
93.393	CANCER CAUSE AND PREVENTION RESEARCH	UNIVERSITY OF UTAH	R01CA164944		\$10,016
93.393	CANCER CAUSE AND PREVENTION RESEARCH	SLOAN-KETTERING INSTITUTE	R03CA193986		\$14,268
93.393	CANCER CAUSE AND PREVENTION RESEARCH	UNIVERSITY OF ILLINOIS AT CHICAGO	5U01CA154248-5		\$19,419
93.393	CANCER CAUSE AND PREVENTION RESEARCH	UNIVERSITY OF ILLINOIS AT CHICAGO	U01CA154248		\$36,075
93.393	CANCER CAUSE AND PREVENTION RESEARCH	MAYO CLINIC	P01CA77839		\$239,519
93.393	CANCER CAUSE AND PREVENTION RESEARCH	MAYO CLINIC	U01CA195568		\$139,694
93.393	CANCER CAUSE AND PREVENTION RESEARCH	NEW YORK UNIVERSITY SCHOOL OF MEDICINE	R01CA187060		\$24,931
93.393	CANCER CAUSE AND PREVENTION RESEARCH	NYU LANGONE MEDICAL CENTER	R01AG035137		\$47,195
93.393	CANCER CAUSE AND PREVENTION RESEARCH	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	R01CA164021		\$6,553
93.393	CANCER CAUSE AND PREVENTION RESEARCH	BOSTON MEDICAL CENTER	5R01CA93772-7		\$19,520
93.393	CANCER CAUSE AND PREVENTION RESEARCH	UNIVERSITY OF TEXAS, MD ANDERSON CENTER	P01CA77837		-\$67
93.393	CANCER CAUSE AND PREVENTION RESEARCH	UNIVERSITY OF CALIFORNIA, IRVINE	5U01CA152738-5		\$7,998
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	UNIVERSITY OF MICHIGAN	U01CA11275		\$70,313
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	UNIVERSITY OF CALIFORNIA, SAN DIEGO	5U01CA199792-02		\$41,182
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	MEMORIAL SLOAN KETTERING CANCER CENTER	5R01 CA161280-04 BD516009		\$102,568
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	SLOAN-KETTERING INSTITUTE			\$132,434
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1R01CA163772-3		\$102,513
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	4R01CA163772-4		\$17,586
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	UNIVERSITY OF TEXAS, HEALTH SCIENCE CENTER	U01CA86402		\$13,413
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	EMORY UNIVERSITY	U01CA113913		\$524
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	UNIVERSITY OF COLORADO A'AS INC.	U01CA157715 1R43CA193096-1		\$34,179
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH				\$8,403

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	AMERICAN COLLEGE OF RADIOLOGY IMAGING NETWORK	U01CA80098	\$10,556	\$10,556
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	METHODIST HOSPITAL RESEARCH INSTITUTE	R33CA193382	\$6,956	\$6,956
93.395	CANCER TREATMENT RESEARCH	UNIVERSITY OF MASSACHUSETTS	R01CA164311	-\$398	-\$398
93.395	CANCER TREATMENT RESEARCH	UNIVERSITY OF CHICAGO	U10CA31946	\$47,642	\$47,642
93.395	CANCER TREATMENT RESEARCH	UNIVERSITY OF CHICAGO	U10CA37447	\$13,141	\$13,141
93.395	CANCER TREATMENT RESEARCH	UNIVERSITY OF CALIFORNIA, LOS ANGELES	2U01CA121947-5	\$285,929	\$285,929
93.395	CANCER TREATMENT RESEARCH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	P01CA108671	\$364	\$364
93.395	CANCER TREATMENT RESEARCH	CHILDREN'S HOSPITAL OF PHILADELPHIA	U10CA180886	\$20,510	\$20,510
93.395	CANCER TREATMENT RESEARCH	THE CHILDREN'S HOSPITAL OF PHILADELPHIA	5U10CA98543-6	\$41,392	\$41,392
93.395	CANCER TREATMENT RESEARCH	EMORY UNIVERSITY	P01CA116676	\$422	\$422
93.395	CANCER TREATMENT RESEARCH	CITY OF HOPE BECKMAN RESEARCH INSTITUTE	R01CA102031	\$126,337	\$126,337
93.395	CANCER TREATMENT RESEARCH	THE EMMES CORPORATION	2U01CA121947-4	\$6,870	\$6,870
93.395	CANCER TREATMENT RESEARCH	THE EMMES CORPORATION	U01CA121947	\$107,112	\$107,112
93.395	CANCER TREATMENT RESEARCH	DANA-FARBER CANCER INSTITUTE, INC.	1R01CA197329-1	\$103,190	\$103,190
93.395	CANCER TREATMENT RESEARCH	DANA-FARBER CANCER INSTITUTE, INC.	R01CA182736	\$260,054	\$260,054
93.395	CANCER TREATMENT RESEARCH	DANA-FARBER CANCER INSTITUTE, INC.	R01CA197329-2	\$3,688	\$3,688
93.395	CANCER TREATMENT RESEARCH	MONTEFIORE MEDICAL CENTER	7U01CA180827-1	\$52,274	\$52,274
93.395	CANCER TREATMENT RESEARCH	MONTEFIORE MEDICAL CENTER	U01CA180827	\$80,689	\$80,689
93.395	CANCER TREATMENT RESEARCH	TUFTS MEDICAL CENTER	R01CA164311	-\$565	-\$565
93.396	CANCER BIOLOGY RESEARCH	UNIVERSITY OF PENNSYLVANIA	R01CA198089	\$277,748	\$277,748
93.396	CANCER BIOLOGY RESEARCH	SLOAN-KETTERING INSTITUTE	5R01CA107429-10	\$109,284	\$109,284
93.396	CANCER BIOLOGY RESEARCH	SLOAN-KETTERING INSTITUTE	R01CA102774	-\$1,557	-\$1,557
93.396	CANCER BIOLOGY RESEARCH	SLOAN-KETTERING INSTITUTE	R01CA107429	-\$2,516	-\$2,516
93.396	CANCER BIOLOGY RESEARCH	SLOAN-KETTERING INSTITUTE	R01CA173636	\$48,608	\$48,608
93.396	CANCER BIOLOGY RESEARCH	SLOAN-KETTERING INSTITUTE	R01CA195787	\$143,613	\$143,613
93.396	CANCER BIOLOGY RESEARCH	BRIGHAM AND WOMEN'S HOSPITAL	P01CA120964	\$174,776	\$174,776
93.396	CANCER BIOLOGY RESEARCH	UNIVERSITY OF MONTREAL	2R01CA98571-11	\$19,250	\$19,250
93.396	CANCER BIOLOGY RESEARCH	DANA-FARBER CANCER INSTITUTE, INC.	U01CA162148	\$39,709	\$39,709
93.396	CANCER BIOLOGY RESEARCH	METHODIST HOSPITAL RESEARCH INSTITUTE	U01CA188388	\$323,228	\$323,228
93.396	CANCER BIOLOGY RESEARCH	UNIVERSITY OF TEXAS, MD ANDERSON CENTER	P01CA117969	\$68,270	\$68,270
93.397	CANCER CENTERS SUPPORT GRANTS	UNIVERSITY OF MICHIGAN	P50CA186786	\$11,817	\$11,817
93.397	CANCER CENTERS SUPPORT GRANTS	MEMORIAL SLOAN KETTERING CANCER CENTER	1U54CA199081-01	\$441,996	\$441,996
93.397	CANCER CENTERS SUPPORT GRANTS	SLOAN-KETTERING INSTITUTE	P50CA092629	\$58,039	\$58,039
93.397	CANCER CENTERS SUPPORT GRANTS	SLOAN-KETTERING INSTITUTE	P50CA172012-1	\$97,528	\$97,528

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

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
93.397		CHILDREN'S HOSPITAL LOS ANGELES	U54CA163117		\$40,497
93.397		UNIVERSITY OF NEBRASKA MEDICAL CENTER	U54CA163120		\$50,008
93.397		FRED HUCHINSON CANCER RESEARCH CENTER	5U54CA163167-4		\$1,979
93.397		FRED HUCHINSON CANCER RESEARCH CENTER	5U54CA163167-5		\$239,790
93.397		METHODIST HOSPITAL RESEARCH INSTITUTE	U54CA149196		-\$44,889
93.399		UNIVERSITY OF CHICAGO HEALTH RESEARCH INC	U10CA37447		\$13,102
93.500		NYS OFFICE OF CHILDREN AND FAMILY SERVICES	6SP1AH000025-03-02		\$151,392
93.558	C027777	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-		\$34,418
93.558	C026550	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-		\$132,052
93.558	C026767	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-		\$636,303
93.610		FUND FOR PUBLIC HEALTH IN NEW YORK INC.	1C1CMS331330-1		\$37,260
93.610		FUND FOR PUBLIC HEALTH IN NEW YORK INC.	C1CMS331330		\$125,240
93.630	C024311	NYS DEVELOPMENTAL DISABILITIES PLANNING COUNCIL	-		\$59,691
93.630	C024312	NYS DEVELOPMENTAL DISABILITIES PLANNING COUNCIL	-	\$103,500	\$266,534
93.630	76558	DEVELOPMENTAL DISABILITIES PLANNING COUNCIL	-		\$3,164
93.658	C027777	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-		\$10,198
93.659	C027777	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-		\$59,913
93.667		AGING IN NEW YORK FUND	C130065		\$445,169
93.715		MASSACHUSETTS GENERAL HOSPITAL	R01HS19371		-\$89
93.837		UNIVERSITY OF VERMONT	5P01HL095488		\$6,732
93.837		UNIVERSITY OF MICHIGAN	R01HL109118		\$16,858
93.837		UNIVERSITY OF MICHIGAN	R01HL122438-2		\$45,955
93.837		UNIVERSITY OF PENNSYLVANIA	5U54HL177789-4		\$135,482
93.837		UNIVERSITY OF PENNSYLVANIA	5U54HL177789-5		\$11,374
93.837		UNIVERSITY OF IOWA RESEARCH TRIANGLE INSTITUTE	P01HL84207		\$227,856
93.837		INTERNATIONAL	1R21HL125574-01		\$60,053
93.837		UNIVERSITY OF PITTSBURGH	5R01HL122144-02		\$71,698
93.837		COLUMBIA UNIVERSITY	5R25HL108014-2		\$67,693
93.837		NEW YORK UNIVERSITY	U01HL105907		\$292,044
93.837		MASSACHUSETTS GENERAL HOSPITAL	U01HL123336		\$134,557
93.837		WASHINGTON UNIVERSITY	P20HL113444		\$11,231

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
CARDIOVASCULAR DISEASES RESEARCH	93.837		NEW YORK BLOOD CENTER, INC.	1R01HL122788-1		\$35,877
CARDIOVASCULAR DISEASES RESEARCH	93.837		BRIGHAM AND WOMEN'S HOSPITAL	5P01HL108801-4		-\$61,128
CARDIOVASCULAR DISEASES RESEARCH	93.837		BRIGHAM AND WOMEN'S HOSPITAL UNIVERSITY OF KANSAS MEDICAL CENTER	5P01HL108801-5		\$389,016
CARDIOVASCULAR DISEASES RESEARCH	93.837		ICON CLINICAL RESEARCH, LLC	R56HL129875		\$8,393
CARDIOVASCULAR DISEASES RESEARCH	93.837		UNIVERSITY OF MARYLAND	1U01HL17006-1A1 U01HL9997		\$32,469
CARDIOVASCULAR DISEASES RESEARCH	93.837		UNIVERSITY OF MICHIGAN	R01HL114447		-\$14,336
LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF MICHIGAN	R01HL114447-4		-\$5
LUNG DISEASES RESEARCH	93.838		COLUMBIA UNIVERSITY	P01A106697		\$36,876
LUNG DISEASES RESEARCH	93.838		COLUMBIA UNIVERSITY	U01HL125218		\$457,522
LUNG DISEASES RESEARCH	93.838		BETH ISRAEL DEACONESS MEDICAL CENTER	5R01HL11430-04		\$177,106
LUNG DISEASES RESEARCH	93.838		BRIGHAM AND WOMEN'S HOSPITAL	P01HL105339		\$224,663
LUNG DISEASES RESEARCH	93.838		BRIGHAM AND WOMEN'S HOSPITAL	R01HL112747		\$81,973
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		UNIVERSITY OF WASHINGTON	5U01HL88476-3		\$3,345
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		WASHINGTON UNIVERSITY	U01HL116383		\$24,417
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		NEW YORK BLOOD CENTER, INC.	R01HL96497		\$32,156
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		FRED HUCHINSON CANCER RESEARCH CENTER	R01HL115128		\$3,714
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		COLUMBIA UNIVERSITY	5R01AR065023-03		\$115,162
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		ARTICULATE BIOMEDICAL LLC	1 R41 AR 068183 - 01		\$208,364
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		HOSPITAL FOR SPECIAL SURGERY	5R01 AR041325-24		\$18,615
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF CALIFORNIA, DAVIS	R01DK095960		\$12,129
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	1U54DK104309-1		-\$23,159
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	R01DK072507		\$99,369
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	R01DK97399		\$7,515
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	U01DK066667		\$102,873
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF UTAH	5R01DK93151-4		\$67,642
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		BETH ISRAEL DEACONESS MEDICAL CENTER	R01DK098002		\$54,389
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF WASHINGTON	5R01DK83391-2		\$148,118
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF WASHINGTON	5R01DK83391-4		-\$2
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		NEW YORK MEDICAL COLLEGE	5R01DK45462-15		\$3,878
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN RESERVE UNIVERSITY	1DP3DK101074-1		\$7
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847					\$5,740

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
93.847		CASE WESTERN RESERVE UNIVERSITY	DP3DK104438		\$54,532
93.847		CASE WESTERN RESERVE UNIVERSITY	U01DK94157		\$277,691
93.847		ALBERT EINSTEIN COLLEGE	1UC4DK101108-1		\$12,273
93.847		ST. LUKE'S ROOSEVELT INSTITUTE FOR HEALTH SCIENCE	R01DK72507		\$4,605
93.847		ST LOUIS UNIVERSITY FUSZ MEMORIAL HOSPITAL	R01DK95112		\$22,314
93.847		BRIGHTAM YOUNG UNIVERSITY	1R21DK99619-1A1		\$41,750
93.848		COLUMBIA UNIVERSITY	5U01DK66667-11		-\$46
93.853		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5R01NS70173-2		-\$212
93.853		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	R01NS70173		\$22,813
93.853		UNIVERSITY OF MINNESOTA	U54NS065768		\$85,731
93.853		YALE UNIVERSITY	7R01NS85136-3		\$24,287
93.853		BOSTON COLLEGE	R01NS082116		\$20,954
93.853		UNIVERSITY OF PITTSBURGH	5R01NS032385-19		\$24,145
93.853		COLUMBIA UNIVERSITY	R01NS85136-2		-\$4,407
93.853		COLUMBIA UNIVERSITY	U10NS086728		\$80,086
93.853		ROCKEFELLER UNIVERSITY	R01NS34389-18		\$22,284
93.853		NORTHWESTERN UNIVERSITY	U01NS80818		\$13,155
93.853		UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	R01NS067420		\$9,154
93.853		UNIVERSITY OF VIRGINIA	U01NS069498		\$19,571
93.853		MASSACHUSETTS GENERAL HOSPITAL	1U01NS84495-1A1		\$20,825
93.853		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01NS84486-2		\$190,227
93.853		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R01NS060809		\$53,656
93.853		WASHINGTON UNIVERSITY	5R01NS90934-20		\$168,173
93.853		WASHINGTON UNIVERSITY	9R01NS90934-19		\$26,945
93.853		WASHINGTON UNIVERSITY	R01NS092653		\$95,567

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Total Federal Expenditures</i>
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		JOHNS HOPKINS UNIVERSITY	5U01NS80824-3	\$26,574	\$26,574
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		UNIVERSITY OF CINCINNATI	5U01NS69763-5	\$19,919	\$19,919
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		TAUB INSTITUTE	U10NS077267	\$30,753	\$30,753
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		OHIO STATE MEDICAL CENTER	R01LM11116	\$70,198	\$70,198
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		HARVARD MEDICAL SCHOOL	1U01NS82329-1	\$33,531	\$33,531
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		PRINCETON UNIVERSITY	R21AI117213	\$85,921	\$85,921
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		MICHIGAN STATE UNIVERSITY	U19AI089683-04	\$145,666	\$145,666
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF PENNSYLVANIA	R01AI82292	\$27,947	\$27,947
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF PENNSYLVANIA	U01AI63589	\$3,816	\$3,816
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	R01AI106398	\$41,063	\$41,063
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	1R21AI11173-02	\$26,459	\$26,459
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	5R01AI056189-12	\$10,872	\$10,872
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF MIAMI SCHOOL OF MEDICINE	R01AI091521	\$203,742	\$203,742
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF CAPE TOWN	R21AI115993-01	\$52,299	\$52,299
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		COLUMBIA UNIVERSITY	5R33AI98654-4	\$21,613	\$21,613
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		COLUMBIA UNIVERSITY	R01AI119762	\$9,207	\$9,207
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		ROCKEFELLER UNIVERSITY	U01AI18536-1	\$27,440	\$27,440
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		ROCKEFELLER UNIVERSITY	U01AI18536-2	\$25,518	\$25,518
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		WAYNE STATE UNIVERSITY	R01AI119446	\$86,438	\$86,438
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		UNIVERSITY OF ROCHESTER MEDICAL CENTER	5P30AI079498-08	\$108,582	\$108,582
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		JAN BIOTECH INC	1R41AI116358-01A1	\$46,756	\$46,756
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		MASSACHUSETTS GENERAL HOSPITAL	R01AI042006	\$31,586	\$31,586
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		FAMILY HEALTH INTERNATIONAL	5UM1AI68619	\$25,036	\$25,036
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		FAMILY HEALTH INTERNATIONAL	5UM1AI68619-10	\$35,234	\$35,234
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		FAMILY HEALTH INTERNATIONAL	5UM1AI68619-10	\$110,956	\$128,331
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		FAMILY HEALTH INTERNATIONAL	UM1AI68619	\$576,307	\$593,682
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE	UM1AI68632	\$35,046	\$35,046
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		TEXAS A&M	1R21AI121689-1	\$30,405	\$30,405
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		OREGON HEALTH AND SCIENCE UNIVERSITY	U01AI095776	\$30,492	\$30,492
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		OREGON HEALTH AND SCIENCE UNIVERSITY	U01AI95776	\$20,187	\$20,187
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		VANDERBILT UNIVERSITY	U01AI69923	-\$320	-\$320
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		VANDERBILT UNIVERSITY	U01AI69923	\$96,399	\$128,378
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		FUNDAO DE APOIO A PESQUISA E A EXTENS	P50AI030639	\$35,538	\$35,538

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRIGHAM AND WOMEN'S HOSPITAL	5R37AI55357		-\$33,500
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRIGHAM AND WOMEN'S HOSPITAL	5R37AI55357-7		-\$3,770
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRIGHAM AND WOMEN'S HOSPITAL	5UM1AI68363-10		\$52,738
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRIGHAM AND WOMEN'S HOSPITAL	5UM1AI68363-9		\$46,984
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRIGHAM AND WOMEN'S HOSPITAL	5UM1AI68636-8		\$16,208
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRIGHAM AND WOMEN'S HOSPITAL	UM1AI068636		\$741,607
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		INSTITUTE FOR CLINICAL RESEARCH	M38-CO-065-0910-4		-\$7,247
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		PROGENICS PHARMACEUTICALS, INC.	P01AI82362		-\$95,144
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		ALBERT EINSTEIN COLLEGE	U01AI35004		-\$3,317
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		SCRIPPS RESEARCH INSTITUTE	5UM1AI100663-4		\$118,954
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		LES CENTRES GHESKIO	5UM1AI69421-10		\$257,515
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		LES CENTRES GHESKIO	U01AI69421		\$91,455
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		RESEARCH FDN OF SUNY UNIVERSITY OF BUFFALO	5R01AI111990-1		\$18,530
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		PRESIDENT AND FELLOWS OF HARVARD COLLEGE	5U19AI10774-3		\$986,542
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		MONTEFIORE MEDICAL CENTER	5U01AI35004-22		\$23,586
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		MONTEFIORE MEDICAL CENTER	5U01AI35004-24		\$19,964
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		BRENTWOOD BIOMEDICAL	R01AI34431		\$67
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		CHILDREN'S HOSPITAL BOSTON	1R01AI99204-1		\$238
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		CHILDREN'S HOSPITAL BOSTON	5R01AI99204-5		\$7,374
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		CHILDREN'S HOSPITAL BOSTON	R01AI99204		\$60,325
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856		UNIVERSITY OF ROCHESTER	HHSN272201400005C		\$432,032
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856		MOUNT SINAI SCHOOL OF MEDICINE VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	HHSN272201400008C		\$112,455
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	5R01GM099450-04		\$117,819
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		STATE UNIVERSITY	R01GM105245		\$98,844
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF MICHIGAN	R01GM103961		\$93,197
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF PENNSYLVANIA	5R37GM53256-21		\$74,125
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		COLD SPRING HARBOR LABORATORY UNIVERSITY OF IOWA	5R01GM102192-05		\$43,502
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		IOWA STATE UNIVERSITY	5R01GM108716-02		\$15,094
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF MINNESOTA	5R01GM098861		\$286,240
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		YALE UNIVERSITY	5R01GM059604-14		\$171,048
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		YALE UNIVERSITY	5P01GM56550-19		\$68,720
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		YALE UNIVERSITY	P01GM56550		\$8,312
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		YALE UNIVERSITY	R01GM116654		\$9,826
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF ROCHESTER	R01GM101023		\$43,581
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		TETRA GENETICS INC.	1R44GM116236-01A1		\$38,919

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

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
	Federal Grantor/Program Title				
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	UNIVERSITY OF MASSACHUSETTS	5R01GM110394-04		\$94,977
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	UNIVERSITY OF CHICAGO	5U54GM87519-5		-\$97
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	UNIVERSITY OF CHICAGO	R01GM105933		\$16,767
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	UNIVERSITY OF CHICAGO	U54GM087519		\$93,043
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	UNIVERSITY OF UTAH	R01GM064664		\$124,604
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	GLYCOBIA INC.	2R44GM093483-02		\$106,960
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	SLOAN-KETTERING INSTITUTE	R01GM52470-20		\$117,122
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	VANDERBILT UNIVERSITY	R01GM103859		\$71,906
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	UNIVERSITY OF COLORADO	5R01GM111902-2		\$27,083
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	TUFTS MEDICAL CENTER	R01GM42219		\$165,634
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	PENNSYLVANIA STATE UNIVERSITY	5R01HD074605-03		\$90,293
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	P01HD23315		-\$6
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COLUMBIA UNIVERSITY	5R01HD67287-5		\$39,218
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COLUMBIA UNIVERSITY	P01HD080642		\$157,606
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COLUMBIA UNIVERSITY	P01HD32062		\$22,613
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COLUMBIA UNIVERSITY	R01HD67287		\$6,930
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	UNIVERSITY OF TEXAS, MEDICAL BRANCH	5P2CHD065702-07		\$81,543
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	UNIVERSITY OF TEXAS, MEDICAL BRANCH	5R24HD065702-05		\$5,388
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	UNIVERSITY OF UTAH	2U01HD49934-8		\$1,499
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	UNIVERSITY OF CALIFORNIA, LOS ANGELES	R01HD73975		\$484,141
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	DUKE UNIVERSITY	R01HD081044		\$769
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	WASHINGTON UNIVERSITY	5R01HD78641-2		\$106,778
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	WASHINGTON UNIVERSITY	U01HD079065		\$137,166
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	JOHNS HOPKINS UNIVERSITY	1R01HD81929-1		-\$1,409
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	JOHNS HOPKINS UNIVERSITY	5R01HD81929-2		\$150,105
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	UNIVERSITY OF OKLAHOMA	R01HD74579		\$3,602
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	NEW YORK UNIVERSITY SCHOOL OF MEDICINE	5R01HD76914-2		\$43,285
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	NEW YORK UNIVERSITY SCHOOL OF MEDICINE	5R01HD76914-3		\$7,438
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	TAUB INSTITUTE	R01HD69178		-\$420

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
93.865		JOHN HOPKINS UNIVERSITY			\$73,534
93.866		BLOOMBERG SCHOOL OF PUBLIC HEALTH	U01HD74542-4		\$33,173
		UNIVERSITY OF MICHIGAN	R01AG047932		
		UNIVERSITY OF CALIFORNIA, SAN DIEGO	U19AG010483		\$62,583
		UNIVERSITY OF WASHINGTON	P01AG1751		\$70,942
		UNIVERSITY OF WASHINGTON	R24AG044284		\$31,822
		UNIVERSITY OF MASSACHUSETTS	5R21AG42701-2		\$82,312
		COLUMBIA UNIVERSITY	R21AG046703		\$34,740
		COLUMBIA UNIVERSITY	R21AG48408-2		\$97,071
		ROCKEFELLER UNIVERSITY	P01AG16765		\$43,364
		UNIVERSITY OF CALIFORNIA, BERKELEY	5P30AG012839-22		\$18,000
		BROWN UNIVERSITY	R01AG047180		\$75,068
		UNIVERSITY OF WASHINGTON	R21AG42637		\$1,110
		ALBERT EINSTEIN COLLEGE	R01AG052286		\$14,499
		NYU LANGONE MEDICAL CENTER	5R01AG13616-21		\$51,608
		NYU LANGONE MEDICAL CENTER	5R01AG13616-22		\$46,492
		BURKE MEDICAL RESEARCH INSTITUTE	P01AG014930		\$61,533
		BURKE MEDICAL RESEARCH INSTITUTE	R01NS77897		\$15,826
		BOSTON UNIVERSITY	R01EY18363		\$35,044
		UNIVERSITY OF VIRGINIA	R01EY024327		\$38,748
		OREGON HEALTH AND SCIENCE UNIVERSITY	R01EY19474		\$3,874
		UNIVERSITY OF ILLINOIS	PN2EY16570		-\$31,848
		LUTHERAN FAMILY HEALTH CENTERS			\$48,620
		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-10		\$49,976
		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-4		\$33,235
		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-5		\$2,724
		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-9		-\$1,976
		JOHNS HOPKINS UNIVERSITY	U2RTW6885	\$25,160	-\$36,300
		VANDERBILT UNIVERSITY	3R25TW9337-3S3		\$27,160
		VANDERBILT UNIVERSITY	5R25TW9337-2		\$3,323
		VANDERBILT UNIVERSITY	5R25TW9337-3	\$48,502	\$182,660
		VANDERBILT UNIVERSITY	5R25TW9337-4	\$36,720	\$54,246
		VANDERBILT UNIVERSITY	5R25TW9337-5		\$1,149
		LES CENTRES GHESKIO	5U2RTW6896	-\$968	\$509
		NYS DEPT OF HEALTH		\$153,432	\$1,008,099
		SLOAN-KETTERING INSTITUTE	2R01GM52470-21		\$105,687
		THE EMMES CORPORATION	1U01NS26835-1A1		\$36,903
		CARTER CONSULTING INC.	200-2009-28537		\$27,366
		CALGB FOUNDATION	5N02CM97024		\$36,873
		CHAT-MOU			\$3,079
		LUTHERAN FAMILY HEALTH CENTERS			

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

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN261201200034I	UNIVERSITY OF TEXAS, MD ANDERSON CENTER	HHSN261201200034I		\$190,192
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN268200900020C	UNIVERSITY OF NORTH CAROLINA RESEARCH TRIANGLE INSTITUTE	HHSN268200900020C		\$14,897
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN268201000048C	WAYNE STATE UNIVERSITY	HHSN268201000048C		\$146,708
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN272201000039C		HHSN272201000039C		-\$11,922
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	M38-CO-065-0910-4	INSTITUTE FOR CLINICAL RESEARCH	M38-CO-065-0910-4		\$62,675
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	M38CO650910-4	INSTITUTE FOR CLINICAL RESEARCH	M38CO650910-4		\$9,339
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	UR # 5-29686/PO# 416189-G	UNIVERSITY OF ROCHESTER WASHINGTON UNIVERSITY IN ST.	HHSN266200700008C		-\$92
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	WU-16-410	LOUIS	R01BM108811		\$9,690
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN2628200900017C	COLUMBIA UNIVERSITY	HHSN2628200900017C		\$103,767
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	5298874401	JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE	-		\$16,039
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	HHSN272201000043C	UNIVERSITY OF FLORIDA	HHSN272201000043C		\$26,341
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	5299905000	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	-		\$164
TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES PASS THROUGH PROGRAMS					\$1,149,342	\$26,345,211
TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES					\$23,949,990	\$219,238,768
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE CORPORATION FOR NATIONAL AND COMMUNITY SERVICE DIRECT PROGRAMS	94.013					\$19,919
VOLUNTEERS IN SERVICE TO AMERICA						
TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE DIRECT PROGRAMS						\$19,919
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE PASS THROUGH PROGRAMS	94.007		IOWA CAMPUS COMPACT	15MK174322		\$19,950
PROGRAM DEVELOPMENT AND INNOVATION GRANTS						
TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE PASS THROUGH PROGRAMS						\$19,950
TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE						\$39,869
SOCIAL SECURITY ADMINISTRATION						
SOCIAL SECURITY ADMINISTRATION PASS THROUGH PROGRAMS	96.007		BOSTON COLLEGE	6 RRC 08098402-07		\$45,000
SOCIAL SECURITY_RESEARCH AND DEMONSTRATION						
SOCIAL SECURITY - WORK INCENTIVES PLANNING AND ASSISTANCE PROGRAM			NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	-		\$354,460
TOTAL SOCIAL SECURITY ADMINISTRATION	96.008	C021242				\$399,460
DEPARTMENT OF HOMELAND SECURITY						
DEPARTMENT OF HOMELAND SECURITY PASS THROUGH PROGRAMS	97.039		NYS EMERGENCY MANAGEMENT OFFICE	FEMA-4031-DR-NY		\$57,001
HAZARD MITIGATION GRANT						

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART A
 AWARD EXPENDITURE DETAIL
 Year Ended 6/30/2016

Federal Grantor/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
CENTERS FOR HOMELAND SECURITY TOTAL DEPARTMENT OF HOMELAND SECURITY	97.061		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	2015-ST-061-ND00001-01	\$40,259 \$97,260	\$40,259 \$97,260
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT						
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT DIRECT PROGRAMS						
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001				\$617,659	\$777,991
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001				\$2,461,707	\$3,204,584
TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT DIRECT PROGRAMS					\$3,079,366	\$3,982,575
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT PASS THROUGH PROGRAMS						
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	RC102095-M1002	MICHIGAN STATE UNIVERSITY KANSAS STATE UNIVERSITY	-		\$2,970
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			AID-OAA-A-13-00051		\$110,172
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF CALIFORNIA, DAVIS UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	AID-OAA-A-14-00021		\$7,109
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		INTERNATIONAL PERSONNEL PROTECTION INC.	AID-OAA-L-10-00003		\$8,992
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF FLORIDA	AID-OAA-A-15-00023		\$56,097
USAID DEVELOPMENT PARTNERSHIPS FOR UNIVERSITY COOPERATION AND DEVELOPMENT	98.012			AIDCGA000700001		\$104,388
AGENCY FOR INTERNATIONAL DEVELOPMENT, OTHER THROUGH PROGRAMS	98.RD	16258	UNIVERSITY OF CALIFORNIA, DAVIS	16258		\$113,115
TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT PASS THROUGH PROGRAMS					\$3,079,366	\$4,385,418
TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT					\$61,645,740	\$642,335,658
MISCELLANEOUS						
MISCELLANEOUS DIRECT PROGRAMS	99.U00	74635				\$103,836
FEDERAL DEPOSIT INSURANCE CORPORATION						\$103,836
TOTAL MISCELLANEOUS						\$207,672
TOTAL EXPENDITURE OF FEDERAL AWARDS					\$61,645,740	\$642,335,658

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
 SUMMARY OF PROGRAM CLUSTERS
 Year Ended 6/30/2016

Cluster Name/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
CDBG - DISASTER RECOVERY GRANTS - PUB. L. NO. 113-2 CLUSTER PROGRAMS					
HURRICANE SANDY COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER RECOVERY ...	14.269		NEW YORK UNIVERSITY	B-13-DS-36-0001	\$12,100
TOTAL CDBG - DISASTER RECOVERY GRANTS - PUB. L. NO. 113-2 CLUSTER PROGRAMS					<u>\$12,100</u>
FISH AND WILDLIFE CLUSTER PROGRAMS					
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION TOTAL FISH AND WILDLIFE CLUSTER PROGRAMS	15.611	66287	SUNY COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY	-	\$30,326 <u>\$30,326</u>
FOREIGN FOOD AID DISTRIBUTION CLUSTER PROGRAMS					
FOOD FOR PROGRESS TOTAL FOREIGN FOOD AID DISTRIBUTION CLUSTER PROGRAMS	10.606				\$104,573 <u>\$104,573</u>
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER PROGRAMS					
HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION TOTAL HIGHWAY PLANNING AND CONSTRUCTION CLUSTER PROGRAMS	20.205 20.205 20.205	55606-03-25	CITY UNIVERSITY OF NEW YORK CITY UNIVERSITY OF NEW YORK CITY UNIVERSITY OF NEW YORK	- C030794 C030794 & DTRT13-G-UTC32	\$105,216 \$62,471 \$106,542 <u>\$274,229</u>
HIGHWAY SAFETY CLUSTER PROGRAMS					
STATE AND COMMUNITY HIGHWAY SAFETY STATE AND COMMUNITY HIGHWAY SAFETY TOTAL HIGHWAY SAFETY CLUSTER PROGRAMS	20.600 20.600	00166-(055) HS1-2016	NYS DEPT OF MOTOR VEHICLES NYS DEPT OF MOTOR VEHICLES	- -	\$34,523 \$20,237 <u>\$54,760</u>
RESEARCH AND DEVELOPMENT CLUSTER PROGRAMS					
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE TOTAL RESEARCH AND DEVELOPMENT CLUSTER PROGRAMS	10.001 10.025 10.025 10.025 10.025 10.025 10.025		UNIVERSITY OF FLORIDA UNIVERSITY OF FLORIDA RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	13-8212-0919-CA 14-8212-0919-CA 13-8130-0270-CA 14-8130-0270-CA 14-8130-0274-CA 14-8130-0274-CA 15-8130-0270-CA	\$3,541,515 -\$683 \$11,308 \$982 \$5,336 \$2,932 \$2,481

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	15-8130-0274-CA	\$28,931
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		AMERICAN PUBLIC GARDENS ASSOCIATION	14-8100-1519-CA	\$77,595
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		AMERICAN PUBLIC GARDENS ASSOCIATION	15-8100-1519-CA	\$59,884
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	AGM01-4272	NYS DEPT OF AG & MARKETS	-	\$37,800
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		NYS DEPT OF AG & MARKETS	14-8236-0245-CA	\$1
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		NYS DEPT OF AG & MARKETS	14-8236-0857-CA	\$21,139
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		NYS DEPT OF AG & MARKETS	15-8236-0857-CA	\$19,216
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		NYS DEPT OF AG & MARKETS	-	\$600,239
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	AGM01-4177	NYS DEPT OF AG & MARKETS	-	\$22,283
10.155	MARKETING AGREEMENTS AND ORDERS				\$76,348
10.156	FEDERAL-STATE MARKETING IMPROVEMENT PROGRAM				\$41,392
10.162	INSPECTION GRADING AND STANDARDIZATION				\$205,474
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	SCG 15 012	NEW YORK FARM VIABILITY INSTITUTE	-	\$15,311
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	SCG 15 015	NEW YORK FARM VIABILITY INSTITUTE	-	\$3,040
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		UNIVERSITY OF CALIFORNIA, DAVIS	12-25-B-1448	\$1,414
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		UNIVERSITY OF CALIFORNIA, DAVIS	SCB13063-USDA #12-25-B-1657	\$173,626
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	C200805	NYS DEPT OF AG & MARKETS	-	\$5,923
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		NYS DEPT OF AG & MARKETS	12-25-B-1478	\$37,419
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		NYS DEPT OF AG & MARKETS	12-25-B-1687	\$73,966
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		NYS DEPT OF AG & MARKETS	12-25-B-1687	\$43,429
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		NYS DEPT OF AG & MARKETS	14-SCBGP-NY-0036	\$370,244
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		NYS DEPT OF AG & MARKETS	14-SCBGP-NY-0036	\$48,948
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	C200806	NYS DEPT OF AG & MARKETS	-	\$23,829
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	C200807	NYS DEPT OF AG & MARKETS	-	\$18,304
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	SCG 15 002	NEW YORK FARM VIABILITY INSTITUTE	-	\$6,511
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	SCG 15 010	NEW YORK FARM VIABILITY INSTITUTE	-	\$10,691
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		UNIVERSITY OF VERMONT	2013-34103-21431	\$12,254
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PURDUE UNIVERSITY	2014-34383-22030	\$4,594
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		UNIVERSITY OF MAINE	2009-34141-20050	-\$19

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200		UNIVERSITY OF MAINE	2013-34141-21392	-\$745
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200		UNIVERSITY OF MAINE	2014-34141-22266	\$25,248
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200		UNIVERSITY OF MAINE	2015-34141-23964	\$16,605
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200				\$1,871,539
COOPERATIVE FORESTRY RESEARCH	10.202				\$292,965
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203				\$5,585,642
ANIMAL HEALTH AND DISEASE RESEARCH	10.207				\$42,495
HIGHER EDUCATION GRADUATE FELLOWSHIPS GRANT PROGRAM	10.210				\$145,005
SMALL BUSINESS INNOVATION RESEARCH	10.212	72938	12 AIR FLUID INNOVATIONS	-	\$23,242
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2011-38640-30418	\$10,342
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2012-38640-19543	\$6,316
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2012-38640-19543	\$47,529
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2013-38640-20895	\$43,093
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2013-38640-20895	\$101,129
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2014-38640-22161	\$79,682
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF VERMONT	2015-38640-23777	\$12,210
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MARYLAND COLLEGE PARK	2015-38640-23777	\$21,761
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217				\$90,195
BIOTECHNOLOGY RISK ASSESSMENT RESEARCH	10.219				\$179,322
HIGHER EDUCATION - MULTICULTURAL SCHOLARS GRANT PROGRAM	10.220				\$10,027
SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS	10.226				\$47,916
AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	10.250		UNIVERSITY OF DELAWARE	59-6000-4-0064	\$57,488
AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	10.250				\$25,425
CONSUMER DATA AND NUTRITION RESEARCH	10.253				\$1,240,955
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290				\$108,026
INTEGRATED PROGRAMS	10.303				\$401,560
HOMELAND SECURITY_AGRICULTURAL	10.304				\$721,166
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307		WEST VIRGINIA UNIVERSITY	2012-51300-20320	\$48,730
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307		RESEARCH CORPORATION	2009-51300-05512	\$166
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307		OHIO STATE UNIVERSITY	2014-51300-22223	\$125,163

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE				\$1,441,527
10.309	SPECIALTY CROP RESEARCH INITIATIVE		UNIVERSITY OF WISCONSIN MADISON VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	2012-51181-20001	\$97,544
10.309	SPECIALTY CROP RESEARCH INITIATIVE		MICHIGAN STATE UNIVERSITY	2010-51181-21599	\$53,962
10.309	SPECIALTY CROP RESEARCH INITIATIVE		MICHIGAN STATE UNIVERSITY	2011-51181-30860	\$24,340
10.309	SPECIALTY CROP RESEARCH INITIATIVE		MICHIGAN STATE UNIVERSITY	2014-51181-22380	\$107,155
10.309	SPECIALTY CROP RESEARCH INITIATIVE		MICHIGAN STATE UNIVERSITY	2014-51181-23378	\$47,221
10.309	SPECIALTY CROP RESEARCH INITIATIVE		MICHIGAN STATE UNIVERSITY	2015-51181-24285	\$41,800
10.309	SPECIALTY CROP RESEARCH INITIATIVE		NORTH CAROLINA STATE UNIVERSITY	2015-51181-24252	\$43,010
10.309	SPECIALTY CROP RESEARCH INITIATIVE		UNIVERSITY OF FLORIDA	2014-51181-22377	\$65,187
10.309	SPECIALTY CROP RESEARCH INITIATIVE		UNIVERSITY OF FLORIDA	2015-51181-24312	\$7,557
10.309	SPECIALTY CROP RESEARCH INITIATIVE		UNIVERSITY OF MASSACHUSETTS AMHERST	2011-51181-30673	\$43,651
10.309	SPECIALTY CROP RESEARCH INITIATIVE		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2011-51181-30646	\$8,505
10.309	SPECIALTY CROP RESEARCH INITIATIVE		WASHINGTON STATE UNIVERSITY CONNECTICUT AGRICULTURAL EXPERIMENT STATION	2014-51181-22381	\$105,122
10.309	SPECIALTY CROP RESEARCH INITIATIVE			2010-51181-21599	\$7,183
10.309	SPECIALTY CROP RESEARCH INITIATIVE				\$5,311,080
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF WISCONSIN MADISON	2013-68002-20525	\$67,938
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		MICHIGAN STATE UNIVERSITY	2016-68004-24931	\$1,446
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF CALIFORNIA, DAVIS	2011-68002-30029	\$148,004
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF CALIFORNIA, DAVIS	2012-68004-20166	\$19,523
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF CALIFORNIA, DAVIS	2016-67023-24902	\$25,590
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF MISSOURI	2011-68006-30815	\$14,110
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		NEW JERSEY INST. OF TECHNOLOGY	2012-67019-19348	\$8,997
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PENNSYLVANIA STATE UNIVERSITY	2011-68004-30057	\$37,733
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PENNSYLVANIA STATE UNIVERSITY	2012-68005-19703	\$198,197
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PENNSYLVANIA STATE UNIVERSITY	2014-67019-21636	\$39,965
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PENNSYLVANIA STATE UNIVERSITY	2015-87015-23177	\$8,202
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF BUFFALO	2016-68003-24601	\$16,291

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF NEW HAMPSHIRE	2013-67014-21318	\$95,599
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF CALIFORNIA, RIVERSIDE	2011-88004-30154	\$327,539
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF MASSACHUSETTS AMHERST	2015-68006-23110	\$9,256
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		BOYCE THOMPSON INSTITUTE	2014-67013-21659	\$88,290
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		BOYCE THOMPSON INSTITUTE	2015-67013-23281	\$4,783
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF WYOMING	2011-68004-30074	\$128,074
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF CALIFORNIA, SAN DIEGO	2015-67013-23006	\$22,114
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		OHIO STATE UNIVERSITY	2014-67013-32410	\$68,034
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF IDAHO	2015-69004-23634	\$25,904
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		TEXAS A&M UNIVERSITY	2013-68004-20361	\$22,362
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		TEXAS A&M UNIVERSITY	2016-67015-24923	\$5,306
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		COLORADO STATE UNIVERSITY	2013-68004-25322	\$15,815
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF NEBRASKA	2013-67015-21239	\$11,724
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		ROCKEFELLER UNIVERSITY	2016-67015-24765	\$3,294
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		UNIVERSITY OF NOTRE DAME	2015-67013-23289	\$2,410
10.311	BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM				\$9,541,103
	BIOMASS RESEARCH AND DEVELOPMENT INITIATIVE COMPETITIVE GRANTS PROGRAM (BRDI)		CELLANA CORPORATION	2011-10006-30361	\$184,103
10.312	FARM BUSINESS MANAGEMENT AND BENCHMARKING COMPETITIVE GRANTS PROGRAM				\$259,414
10.319	SUN GRANT PROGRAM				\$33,155
10.320	CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM		UNIVERSITY OF MARYLAND COLLEGE PARK	2015-70006-24277	\$72,461
10.329	CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2015-70006-24152	\$680
10.329	CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM				\$10,123
10.330	ALFALFA AND FORAGE RESEARCH PROGRAM		UNIVERSITY OF CALIFORNIA, DAVIS	2014-70005-22552	\$65,517
10.330	ALFALFA AND FORAGE RESEARCH PROGRAM				\$14,599
10.500	COOPERATIVE EXTENSION SERVICE		UNIVERSITY OF VERMONT	2013-47001-20896	\$22,551
10.500	COOPERATIVE EXTENSION SERVICE				\$22,606
10.652	FORESTRY RESEARCH				\$495,721
10.680	FOREST HEALTH PROTECTION		NATIONAL FISH AND WILDLIFE FOUNDATION	15-CA-11132422-241	\$52,711
10.683	NATIONAL FISH AND WILDLIFE FOUNDATION		COOPERATIVE FOR ASSISTANCE AND RELIEF EVERYWHERE	12-CA-11132762-184	\$163,764
10.684	INTERNATIONAL FORESTRY PROGRAMS				\$6,355

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777				\$25,215
RURAL ECONOMIC DEVELOPMENT LOANS AND GRANTS	10.854		SLIC NETWORK SOLUTIONS	150945334	\$14,721
SOIL AND WATER CONSERVATION	10.902		IUP RESEARCH INSTITUTE	68-7482-15-501	\$44,240
SOIL AND WATER CONSERVATION	10.902				\$25,487
SOIL SURVEY	10.903				\$26,360
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		NORTH CAROLINA STATE UNIVERSITY	69-3A75-13-231	\$117,061
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		PENNSYLVANIA STATE UNIVERSITY	68-3A75-12-226	\$116,563
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		PENNSYLVANIA STATE UNIVERSITY	69-3A75-12-243	\$19,881
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		NATIONAL FISH AND WILDLIFE FOUNDATION	69-3A75-13-219	\$3,298
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912				\$124,759
CONSERVATION STEWARDSHIP PROGRAM	10.924				\$53,723
TECHNICAL AGRICULTURAL ASSISTANCE	10.960				\$14,451
SCIENTIFIC COOPERATION AND RESEARCH DEPARTMENT OF AGRICULTURE, OTHER	10.961		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	SR-CR-13-001	\$40,000
DEPARTMENT OF AGRICULTURE, OTHER	10.RD	2015CPS10	CENTER FOR PRODUCE SAFETY	SCB15066	\$5,805
DEPARTMENT OF AGRICULTURE, OTHER	10.RD	12-25-B-1687	CORNELL COOPERATIVE EXTENSION- ESSEX COUNTY	12-25-B-1687	\$10,011
DEPARTMENT OF AGRICULTURE, OTHER	10.RD	80098	NYS DEPT OF AG & MARKETS	-	\$185,005
CENSUS INTERGOVERNMENTAL SERVICES	11.004	S/C-001-CU-112014	NEW LIGHT TECHNOLOGIES INC.	-	\$41,689
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		GREAT LAKES OBSERVING SYSTEM	NA11NOS0120041	\$80,815
SEA GRANT SUPPORT	11.417		NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA14OAR4170069	\$17,281
SEA GRANT SUPPORT	11.417		NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA14OAR4170069	\$31,795
SEA GRANT SUPPORT	11.417		WOODS HOLE OCEANOGRAPHIC INSTITUTE	NA14OAR4170074	\$62,170
CLIMATE AND ATMOSPHERIC RESEARCH	11.431		UNIVERSITY OF MICHIGAN	NA10OAR4310213	\$29,022
CLIMATE AND ATMOSPHERIC RESEARCH	11.431				\$26,362
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES	11.432		WOODS HOLE OCEANOGRAPHIC INSTITUTE	NA14OAR4320158	\$333,514
HABITAT CONSERVATION	11.463	0309.07.028515	NATIONAL FISH AND WILDLIFE FOUNDATION	-	\$9,039
NOAA PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON-CONSTRUCTION AND CONSTRUCTION	11.483		NEW YORK SEA GRANT INSTITUTE, STONY BROOK	NA13OAR4830229	\$20,061
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609				\$148,432
AQUATIC PLANT CONTROL	12.100		UNIVERSITY OF HAWAII	W912HQ-14-C-0017	\$174,374

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
12.300		PENNSYLVANIA STATE UNIVERSITY	N00014-11-1-0665	-\$13
12.300		BINGHAMTON UNIVERSITY	N00014-15-1-1270	\$36,589
12.300		STANFORD UNIVERSITY	N00014-14-1-0551	\$252,011
12.300		STANFORD UNIVERSITY	N00014-15-1-2827	\$151,059
12.300		OREGON STATE UNIVERSITY	N00014-15-1-2297	\$18,997
12.300		UNIVERSITY OF ST. ANDREWS	N00014-15-1-2142	\$19,546
12.300		DUKE UNIVERSITY	N00014-13-1-0561	\$39,956
12.300		UNIVERSITY OF CALIFORNIA, SANTA BARBARA	N00014-16-1-2233	\$224,390
12.300		GEORGIA STATE UNIVERSITY	N00014-13-1-0649	\$139,316
12.300		NEW YORK UNIVERSITY	FA8750-14-2-0236	\$50,429
12.300				\$5,037,543
12.351		UNIVERSITY SYSTEM OF MARYLAND	HDTRA1-13-1-0037	\$128,671
12.351		UNIVERSITY OF SOUTH CAROLINA	HDTRA1-15-1-0065	\$129,568
12.351		NORTHWESTERN UNIVERSITY	HDTRA1-15-1-0052	\$193,217
12.351				\$13,759
12.420		UNIVERSITY OF MICHIGAN	W81XWH-14-1-0466	\$4,415
12.420		UNIVERSITY OF CALIFORNIA, SAN DIEGO	W81XWH-12-2-0012	\$31,809
12.420		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	W81XWH-12-1-0258	-\$21,852
12.420		NEW YORK UNIVERSITY	W81XWH15-2-0036	\$98,900
12.420		SLOAN-KETTERING INSTITUTE	W81XWH-13-1-0199	\$19,606
12.420		UNIVERSITY OF ALABAMA - BIRMINGHAM	W81XWH-15-1-0705	\$64,987
12.420		MASSACHUSETTS EYE AND EAR INFIRMARY	W81XWH-12-2-0108	\$24,359
12.420		SARENTIS, INC.	W81XWH-11-2-0064	\$1
12.420		UNIVERSITY OF VERMONT & STATE AGRICULTURAL COLLEGE	W81XWH-14-1-0199	\$7,164
12.420		BRAIN TRAUMA FOUNDATION	W911QY-12-C-0005	\$38,017
12.420				\$5,300,791
12.431		UNIVERSITY OF CALIFORNIA, DAVIS	W911NF-12-1-0271	\$179,598
12.431		UNIVERSITY OF PENNSYLVANIA	W911NF-12-1-0509	\$435,227
12.431		CLEMSON UNIVERSITY	W911NF-12-1-0332	\$63,315

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
12.431	BASIC SCIENTIFIC RESEARCH		GEORGIA INSTITUTE OF TECHNOLOGY	W911NF-15-1-0609	\$126,221
12.431	BASIC SCIENTIFIC RESEARCH		UNIVERSITY OF CHICAGO	W911NF-14-1-0003	\$255,202
12.431	BASIC SCIENTIFIC RESEARCH		UNIVERSITY OF CALIFORNIA, SANTA BARBARA	W911NF-10-2-0114	\$63,478
12.431	BASIC SCIENTIFIC RESEARCH		CALIFORNIA INSTITUTE OF TECHNOLOGY	W911NF-11-2-0055	-\$4,436
12.431	BASIC SCIENTIFIC RESEARCH		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	W911NF-11-1-0202	\$30,782
12.431	BASIC SCIENTIFIC RESEARCH				\$6,032,630
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		UNIVERSITY OF ARIZONA	FA9550-10-1-0561	\$26,821
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PRINCETON UNIVERSITY	FA9550-12-1-0200	\$1,372
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PRINCETON UNIVERSITY	FA9550-16-1-0046	\$9,290
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		STANFORD UNIVERSITY	29182900-51677-B	\$587,646
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		UNIVERSITY OF PITTSBURGH	FA9550-10-1-0524	\$39,883
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		LADISH FORGING	FA8650-10-2-5219	-\$2
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	FA9550-13-1-0159	\$222,529
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	FA9550-15-1-0038	\$247,177
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		SUNY BUFFALO STATE	FA9550-12-1-0226	\$14,570
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		UNIVERSITY OF VIRGINIA	FA8750-11-C-0080	\$12,495
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM				\$3,730,666
12.901	MATHEMATICAL SCIENCES GRANTS PROGRAM				\$18,392
12.902	INFORMATION SECURITY GRANTS		CARNEGIE-MELLON UNIVERSITY	H98230-14-C-0140	\$95,289
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		AGAVE BIOSYSTEMS	FA8650-14-C-5192	\$196,962
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	2013-MA-2385	\$51,287
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		UNIVERSITY OF CALIFORNIA, SAN DIEGO	HR0011-16-C-0037	\$22,819
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		UNIVERSITY OF NOTRE DAME	2013-KJ-2480	\$15,410
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		UNIVERSITY OF NOTRE DAME	2013-MA-2383	\$754,910
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		RAYTHEON COMPANY	HR0011-14-C-0009	\$135,457
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		UNIVERSITY OF CALIFORNIA, BERKELEY	N66001-15-C-4066	\$62,905
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		SYDOR INSTRUMENTS	HDTRA 1-16-P-0019	\$14,362
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT				\$2,224,097
12.RD	DEPARTMENT OF DEFENSE, OTHER	813	BROWN UNIVERSITY	F48650-12-C-7212	\$29,137
12.RD	DEPARTMENT OF DEFENSE, OTHER	73315	APPLIED OPTRONICS	W911NF-14-C-0113	\$56,898
12.RD	DEPARTMENT OF DEFENSE, OTHER	150010	MAGEE TECHNOLOGIES LLC	SBIR N08-006, DO 0007	\$91,263

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
12.RD	DEPARTMENT OF DEFENSE, OTHER	4915013672	INTERNATIONAL BUSINESS MACHINES	W911NF-15-C-0236	\$105,701
12.RD	DEPARTMENT OF DEFENSE, OTHER	7000000073	BAYLOR COLLEGE OF MEDICINE	D16PC0000	\$107,847
12.RD	DEPARTMENT OF DEFENSE, OTHER	9500012873	RAYTHEON COMPANY	W911NF-09-2-0053	\$121,249
12.RD	DEPARTMENT OF DEFENSE, OTHER	14463-PETTT-CORNELL	ENGILITY LLC	GSO4TO9DBCOO 17	\$11,884
12.RD	DEPARTMENT OF DEFENSE, OTHER	AF112-193	COHERENT TECHNOLOGIES, INC.	FA-9302-14-C0002	\$63,583
12.RD	DEPARTMENT OF DEFENSE, OTHER	AFR 03-101-CU-01	TORC ROBOTICS LLC	FA8750-12-C-0337	\$36,980
12.RD	DEPARTMENT OF DEFENSE, OTHER	ENZ-3201-003	FLIR SYSTEMS	HDTRA1-13-C-0003	\$221,701
12.RD	DEPARTMENT OF DEFENSE, OTHER	N66001-12-C-2009			\$806,530
12.RD	DEPARTMENT OF DEFENSE, OTHER	PO 4205657534	HONEYWELL INC	FA8650-14-C-7402	\$408,524
12.RD	DEPARTMENT OF DEFENSE, OTHER	PO 9500012405	RAYTHEON COMPANY	W911NF-14-C-0089	\$244,315
12.RD	DEPARTMENT OF DEFENSE, OTHER	S-999-140-001	UES INC.	FA8650-11-D-5801	\$75,163
12.RD	DEPARTMENT OF DEFENSE, OTHER	SC15-6957-1	TOYON RESEARCH CORPORATION	W56KGU-15-C-0050	\$45,000
12.RD	DEPARTMENT OF DEFENSE, OTHER	W912HZ-10-2-0042			-\$4
12.RD	DEPARTMENT OF DEFENSE, OTHER	71881	EXELIS INC.	FA8750-14-D-0123	\$83,020
12.RD	DEPARTMENT OF DEFENSE, OTHER	79995	INVINCEA INC.	W911NF-12-C-0044	\$51,914
13.RD	CENTRAL INTELLIGENCE AGENCY, OTHER	2012-12081600004			\$33,572
15.423	BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM) ENVIRONMENTAL STUDIES PROGRAM (ESP)		UNIVERSITY SYSTEM OF MARYLAND	14-14-1916	\$642,161
15.423	BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM) ENVIRONMENTAL STUDIES PROGRAM (ESP)				\$664,078
15.619	RHINOCEROS AND TIGER CONSERVATION FUND				\$4,263
15.620	AFRICAN ELEPHANT CONSERVATION FUND				\$89,974
15.640	WILDLIFE WITHOUT BORDERS- LATIN AMERICA AND THE CARIBBEAN	72219	SOCIETY FOR THE CONSERVATION AND STUDY OF CARIBBE	-	\$6,468
15.647	MIGRATORY BIRD CONSERVATION				\$38,492
15.651	WILDLIFE WITHOUT BORDERS-AFRICA PROGRAM				\$12,578
15.652	UNDESIRABLE/NOXIOUS PLANT SPECIES				\$25,046
15.655	MIGRATORY BIRD MONITORING, ASSESSMENT AND CONSERVATION				\$19,184
15.805	ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES				\$77,749
15.807	EARTHQUAKE HAZARDS RESEARCH AND MONITORING ASSISTANCE				\$29,374
15.808	U.S. GEOLOGICAL SURVEY. RESEARCH AND DATA COLLECTION				\$30,362
15.812	COOPERATIVE RESEARCH UNITS PROGRAM				\$48,256
15.820	NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER				\$78,197
15.923	NATIONAL CENTER FOR PRESERVATION TECHNOLOGY AND TRAINING		THE WILDLIFE CONSERVATION SOCIETY	P14AC01473	\$21,820
15.944	NATURAL RESOURCE STEWARDSHIP				\$43,554
15.945	COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM		BROOKLYN COLLEGE	P14AC01445	\$25,990

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
	COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF				
	THE NATIONAL PARK SYSTEM				
15.945	DEPARTMENT OF THE INTERIOR, OTHER	F15PX02409			\$53,581
15.RD	DEPARTMENT OF JUSTICE, OTHER	2014-BJ-CX-R043			\$2,016
16.RD	PUBLIC DIPLOMACY PROGRAMS				\$70,309
19.040					\$15,600
	U.S. DEPARTMENT OF STATE, OTHER		UNITED STATES-INDIA EDUCATIONAL		
19.RD	PIPELINE SAFETY PROGRAM STATE BASE GRANT	USIEF/OSI/2012/01	FOUNDATION	-	\$89,446
20.700	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		NORTHEAST GAS ASSOCIATION	DTPH56-13-T-000013	\$197,825
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		CITY UNIVERSITY OF NEW YORK	C030794 & DTRT13-G-UTC32	\$30,929
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		CITY UNIVERSITY OF NEW YORK	DTRT07-G-0002	\$74,795
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		CITY UNIVERSITY OF NEW YORK	DTRT12-G-UTC02	\$5,000
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		CITY UNIVERSITY OF NEW YORK	DTRT13-G-UTC32	\$25,038
20.761	BIODEFENSE TRANSPORTATION RESEARCH				-\$616
	SCIENCE		UNIVERSITY SYSTEM OF MARYLAND	NNX11AK83G	\$3,390
43.001	SCIENCE		TEXAS A&M UNIVERSITY	NNX14AD52G	\$53,333
43.001	SCIENCE		DARTMOUTH COLLEGE	NNX14AH07G	\$128,622
43.001	SCIENCE		GATS INC.	NNX14AN51G	\$3,234
43.001	SCIENCE		UNIVERSITY OF VIRGINIA	NNX13AG38G	\$35,894
43.001	SCIENCE		JET PROPULSION LABORATORY	NMO0710777	-\$96
43.001	SCIENCE		JET PROPULSION LABORATORY	NMO710782	\$348
43.001	SCIENCE		JET PROPULSION LABORATORY	NMO710782	\$733,432
	SCIENCE		UNIVERSITIES SPACE RESEARCH		
43.001	SCIENCE		ASSOC	NAS2-97001	\$4,504
	SCIENCE		UNIVERSITIES SPACE RESEARCH		
43.001	SCIENCE		ASSOC	NNX13AQ46G	\$2,529
43.001	SCIENCE		APPLIED PHYSICS LABORATORY	NNX15AM57G	\$22,464
43.001	SCIENCE		MALIN SPACE SCIENCE SYSTEMS	NMO710947	\$23,407
43.001	SCIENCE		SOUTHWEST RESEARCH INSTITUTE	NNM06AA75C	\$128,827
	SCIENCE		SMITHSONIAN ASTROPHYSICAL		
43.001	SCIENCE		OBSERVATORY	NAS8-03060	\$13,844
43.001	SCIENCE		UNIVERSITY OF CENTRAL FLORIDA	NNX12AI69G	\$54,845
43.001	SCIENCE				\$3,570,369
43.002	AERONAUTICS				\$80,406
43.003	EXPLORATION				\$127,095
	SPACE OPERATIONS		CHARLES STARK DRAPER		
43.007	SPACE OPERATIONS		LABORATORY INC.	NNX14AM90G	\$2,776
43.007	SPACE OPERATIONS				\$18,732
	EDUCATION		NATIONAL SPACE GRANT		
43.008	EDUCATION		FOUNDATION	NNX13AE43A	\$6,617
43.008	EDUCATION				\$666,243
43.009	CROSS AGENCY SUPPORT				\$348,113

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
43.012	SPACE TECHNOLOGY				\$307,233
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	1530822 (JP59)	APPLIED PHYSICS LABORATORY	1530822 (JP59)	\$35,070
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NM0710846	JET PROPULSION LABORATORY	NM0710846	\$60,975
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NM0711043	JET PROPULSION LABORATORY	NM0711043	\$56,780
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NM071112312	JET PROPULSION LABORATORY	NM071112312	\$155,639
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NM0711123	JET PROPULSION LABORATORY	NM0711123	\$978,882
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NAS7-03001	JET PROPULSION LABORATORY	NAS7-03001	\$71,954
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	1525402	JET PROPULSION LABORATORY	-	\$59,571
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NNN12AA01C	JET PROPULSION LABORATORY	NNN12AA01C	\$809,323
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	1536803	JET PROPULSION LABORATORY	-	\$22,403
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	1538669	JET PROPULSION LABORATORY	-	\$32,225
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	1545834	JET PROPULSION LABORATORY	-	\$3,859
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NGG07EK00C	ARIZONA STATE UNIVERSITY	NGG07EK00C	\$9,290
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NM0710846	MALIN SPACE SCIENCE SYSTEMS UNIVERSITIES SPACE RESEARCH ASSOC	NM0710846	\$151,346
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NAS2-97001	ARIZONA STATE UNIVERSITY	NAS2-97001	\$43,394
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NNN13D496T	SPACE TELESCOPE SCIENCE INST.	NNN13D496T	\$24,724
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NAS5-26555	UNIVERSITY OF ARIZONA	NAS5-26555	\$25,010
43.RD	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION, OTHER	NNL15AA10C			\$471,776
43.RD	PROMOTION OF THE HUMANITIES_DIVISION OF PRESERVATION AND ACCESS	Y432802		1272218	\$2,791
45.149	ENGINEERING GRANTS				\$4,863
47.041	ENGINEERING GRANTS		UNIVERSITY OF DELAWARE	1331269	\$43,351
47.041	ENGINEERING GRANTS		UNIVERSITY OF PENNSYLVANIA UNIVERSITY OF MASSACHUSETTS AMHERST	EFRI-1331583	\$203,498
47.041	ENGINEERING GRANTS		TEXAS A&M UNIVERSITY	EFRI-1240441	\$93,722
47.041	ENGINEERING GRANTS		UNIVERSITY OF NOTRE DAME	EFRI-1240478	\$141,311
47.041	ENGINEERING GRANTS		UNIVERSITY OF NOTRE DAME	ECCS-1202452	\$67,173
47.041	ENGINEERING GRANTS		UNIVERSITY OF CALIFORNIA, LOS ANGELES	EFRI-1433490	\$277,444
47.041	ENGINEERING GRANTS		UNIVERSITY OF SOUTHERN CALIFORNIA	EEC-1160504	\$193,171
47.041	ENGINEERING GRANTS		UNIVERSITY OF CALIFORNIA, BERKELEY	ECCS-1411244	\$1,943
47.041	ENGINEERING GRANTS		CALIFORNIA INSTITUTE OF TECHNOLOGY	CCF-0424422	\$88,607
47.041	ENGINEERING GRANTS		NORFOLK STATE UNIVERSITY	EFRI-1137269	-\$40
47.041	ENGINEERING GRANTS		ZYMRONIX CATALYTIC SYSTEMS, INC.	DGE-0986188	\$124,910
47.041	ENGINEERING GRANTS		WASHINGTON UNIVERSITY IN ST. LOUIS	1456279	\$50,815
47.041	ENGINEERING GRANTS	WU-16-392		-	\$134,713

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
ENGINEERING GRANTS	47.041		WILLIAM ORTIZ CALIFORNIA INSTITUTE OF TECHNOLOGY	EFRI-1137269	\$57,946
ENGINEERING GRANTS	47.041				\$12,711,016
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		PRINCETON UNIVERSITY	AST-1440226	\$146,545
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		PRINCETON UNIVERSITY	PHY-1120138	\$867,818
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	DMR-1307354	\$86,327
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		PENNSYLVANIA STATE UNIVERSITY	DMR-1420620	\$115,111
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF MINNESOTA	CHE-1413862	\$1,134,203
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF NEBRASKA	PHY-1343486	\$26,386
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		HOWARD UNIVERSITY	DMR-1205608	\$83,645
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		NORFOLK STATE UNIVERSITY	DMR-1205457	\$27,582
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		SUNY STONY BROOK	DMR-1344267	\$15,001
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF WISCONSIN SYSTEM UNIVERSITIES SPACE RESEARCH ASSOC	PHY-1430284	\$395,410
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			AST-1160876	\$75,355
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		NATL RADIO ASTRONOMY OBSERV	AST-0836064	\$31,158
MATHEMATICAL AND PHYSICAL SCIENCES	47.049				\$41,708,170
GEOSCIENCES	47.050		PENNSYLVANIA STATE UNIVERSITY	GEO-1240507	\$97,200
GEOSCIENCES	47.050		STANFORD UNIVERSITY	OCE-1434325	\$5,929
GEOSCIENCES	47.050		OHIO STATE UNIVERSITY	PLR-1249631	\$10,505
GEOSCIENCES	47.050		UNIVERSITY OF MINNESOTA	1043681	\$22,587
GEOSCIENCES	47.050		UNIVERSITY OF MINNESOTA	PLR-1559691	\$16,773
GEOSCIENCES	47.050		BOSTON UNIVERSITY UNIVERSITY OF SOUTHERN CALIFORNIA	OCE-1260424	\$74,898
GEOSCIENCES	47.050			EAR-1033462	\$25,882
GEOSCIENCES	47.050				\$4,045,310
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		COMPUTING RESEARCH ASSOCIATION	1136966	\$19,541
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF CALIFORNIA, DAVIS	CNS-1321115	\$84,270
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	OCI-1053575	\$443,000
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		ARIZONA STATE UNIVERSITY	1320065	\$42,516
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF MARYLAND COLLEGE PARK UNIVERSITY OF CALIFORNIA, RIVERSIDE	1514261	\$211,224
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			1330110	\$80,958

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		STANFORD UNIVERSITY UNIVERSITY OF CALIFORNIA, SAN DIEGO	IIS-1139161	\$112,655
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	CNS-1248117	\$6,088
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		CLEMSON UNIVERSITY	CNS-1330599	\$172,924
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING			IIS-1527165	\$473
47.074	BIOLOGICAL SCIENCES		MICHIGAN STATE UNIVERSITY	IOS-0922493	\$13,136,083
47.074	BIOLOGICAL SCIENCES		KANSAS STATE UNIVERSITY	IOS-1238187	\$234,430
47.074	BIOLOGICAL SCIENCES		UNIVERSITY OF DELAWARE	1127076	\$631
47.074	BIOLOGICAL SCIENCES		UNIVERSITY OF MISSOURI	IOS-1456047	\$105,638
47.074	BIOLOGICAL SCIENCES		UNIVERSITY OF BUFFALO UNIVERSITY OF CALIFORNIA,	DBI1231306	\$290,633
47.074	BIOLOGICAL SCIENCES		RIVERSIDE	IOS-1027542	\$14,411
47.074	BIOLOGICAL SCIENCES		BOYCE THOMPSON INSTITUTE	IOS-1354421	\$22,553
47.074	BIOLOGICAL SCIENCES		UNIVERSITY OF WYOMING CARY INSTITUTE OF ECOSYSTEM STUDIES	MCB-1052051	\$7,587
47.074	BIOLOGICAL SCIENCES		UNIVERSITY OF CALIFORNIA, SAN DIEGO	1633026	\$80,284
47.074	BIOLOGICAL SCIENCES		DONALD DANFORTH PLANT SCIENCE CENTER	1444507	\$89,329
47.074	BIOLOGICAL SCIENCES	76922	DONALD DANFORTH PLANT SCIENCE CENTER	-	\$16,938
47.074	BIOLOGICAL SCIENCES		DONALD DANFORTH PLANT SCIENCE CENTER	IOS-1126950	\$19,695
47.074	BIOLOGICAL SCIENCES		IOWA STATE UNIVERSITY	IOS-1238189 (KSU #S13031)	\$84,186
47.074	BIOLOGICAL SCIENCES		IOWA STATE UNIVERSITY	IOS-1339348	\$106,779
47.074	BIOLOGICAL SCIENCES		UNIVERSITY OF ARIZONA UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	IOS-1457092	\$97,603
47.074	BIOLOGICAL SCIENCES		YALE UNIVERSITY	IOS-1343020	\$268,667
47.074	BIOLOGICAL SCIENCES		AUBURN UNIVERSITY	IOS-1127017	\$547,105
47.074	BIOLOGICAL SCIENCES			DEB-1023403	\$5,261
47.074	BIOLOGICAL SCIENCES				\$17,244,707
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		GEORGE WASHINGTON UNIVERSITY	CNS-1421373	\$70,420
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES				\$1,534,022
47.076	EDUCATION AND HUMAN RESOURCES		UNIVERSITY OF WISCONSIN MADISON	DUE-1231286	\$32,742
47.076	EDUCATION AND HUMAN RESOURCES		TWIN CITIES PUBLIC TELEVISION	DRL-1323713	\$42,914
47.076	EDUCATION AND HUMAN RESOURCES		TUSKEGEE UNIVERSITY	HRD-1137681	\$87,232
47.076	EDUCATION AND HUMAN RESOURCES		CLARK ATLANTA UNIVERSITY	HRD-1137751	\$29,957
47.076	EDUCATION AND HUMAN RESOURCES		SYRACUSE UNIVERSITY	HRD-1202480	\$42,793

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
EDUCATION AND HUMAN RESOURCES	47.076		ROCHESTER INSTITUTE OF TECHNOLOGY	HRD-1127955	\$24,210
EDUCATION AND HUMAN RESOURCES	47.076				\$11,234,564
POLAR PROGRAMS	47.078		OHIO STATE UNIVERSITY	ARC-1111882	-\$3,131
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079				\$24,251
OFFICE OF CYBERINFRASTRUCTURE	47.080		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	OCI-1053575	-\$1,526
OFFICE OF CYBERINFRASTRUCTURE	47.080		UNIVERSITY OF TEXAS, AUSTIN	OCI-1134872	\$181,586
TRANS-NSF RECOVERY ACT RESEARCH SUPPORT	47.082				\$1,485
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	1013484	BOMBYX TECHNOLOGIES	1013484	\$19
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	1257284			\$96,781
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	79605			\$8,000
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	78952	UNIVERSITY OF WISCONSIN SYSTEM	CNS-1330308	\$30,647
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	5290030501	MAYO CLINIC	-	\$75,414
NATIONAL SCIENCE FOUNDATION, OTHER	47.RD	5294830501			\$10,055
CHESAPEAKE BAY PROGRAM	66.466		TIOGA COUNTY SOIL & WATER CONSERVATION DISTRICT	0602.11.028147	\$9,235
GREAT LAKES PROGRAM	66.469		MINNESOTA DEPARTMENT OF AGRICULTURE	00E01283	\$206,311
GREAT LAKES PROGRAM	66.469				\$1,134,523
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509				\$224,576
SCIENCE TO ACHIEVE RESULTS (STAR) FELLOWSHIP PROGRAM	66.514				\$29,428
P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY	66.516				\$31,704
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		PENNSYLVANIA STATE UNIVERSITY	26487740-49105-B	\$87,890
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		CARNEGIE INSTITUTION OF WASHINGTON	DE-SC0001057	\$163,106
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		LEHIGH UNIVERSITY	DE-FG02-07ER46463	\$62,276
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		SLAC NATIONAL ACCELERATOR LABORATORY	DE-AC02-76SF00515	\$65,566
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		AERODYNE RESEARCH INC.	DE-SC0013716	\$25,456
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		KITWARE INC	DE-SC001135	\$113,114
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		FARADAY TECHNOLOGY INC.	DE-SC0011235	\$86,515
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		FARADAY TECHNOLOGY INC.	DE-SC0011342	\$97,380
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		SYDOR INSTRUMENTS	DE-SC0013234	\$62,836
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049				\$7,687,466
REGIONAL BIOMASS ENERGY PROGRAMS	81.079		SOUTH DAKOTA STATE UNIVERSITY	DE-FC36-05G085041	\$2,847
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087				\$1,207,075
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112				\$2,939,994

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
81.122	ELECTRICITY DELIVERY AND ENERGY RELIABILITY, RESEARCH, DEVELOPMENT AND ANALYSIS		ARIZONA STATE UNIVERSITY UNIVERSITY OF ILLINOIS AT URBANA- CHAMPAIGN	DOE-OE0000670	\$49,984
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY				\$116,175
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY			DE-AR00000598	\$1,837,361
81.RD	DEPARTMENT OF ENERGY, OTHER	59612	SLAC NATIONAL ACCELERATOR		\$2,718
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC02-76SF00515	LABORATORY	DE-AC02-76SF00515	\$290,550
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AR0000445	UNIVERSITY OF NOTRE DAME LOS ALAMOS NATIONAL	DE-AR0000445	\$211,096
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC52-06NA25396	LABORATORY	DE-AC52-06NA25396	\$39,593
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC05-76RL01830	BATTELLE-PACIFIC NORTHWEST BROOKHAVEN NATIONAL	DE-AC05-76RL01830	\$50,756
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC02-98CH10886	LABORATORY	DE-AC02-98CH10886	\$2,025,501
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC02-07CH11359	FERMI NATIONAL ACCELERATOR LABORATORY	DE-AC02-07CH11359	\$11,607
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC04-94AL85000	SANDIA LABORATORIES	DE-AC04-94AL85000	\$141,218
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC02-05CH11231	LAWRENCE BERKELEY NATIONAL LABORATORY	DE-AC02-05CH11231	\$332,896
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC05-00OR22725	UT-BATTELLE LLC	DE-AC05-00OR22725	\$197,680
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AR0000454	UNIVERSITY OF NOTRE DAME	DE-AR0000454	\$28,428
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC07-05ID14517	SOUTH DAKOTA STATE UNIVERSITY RADIABEAM TECHNOLOGIES	DE-AC07-05ID14517	\$27,208
81.RD	DEPARTMENT OF ENERGY, OTHER	68946_CLW	FERMI NATIONAL ACCELERATOR LABORATORY	-	\$24,007
81.RD	DEPARTMENT OF ENERGY, OTHER	PO 604463; PO 615223			\$439,889
81.RD	DEPARTMENT OF ENERGY, OTHER	DE-AC36-08GO28308	NATL RENEWABLE ENERGY LAB	DE-AC36-08GO28308	\$11,018
81.RD	DEPARTMENT OF ENERGY, OTHER	74829	ADVANCED ENERGY SYSTEMS	DE-SC0013276	\$59,366
81.RD	DEPARTMENT OF ENERGY, OTHER	65603	ARIZONA STATE UNIVERSITY	-	\$56,288
81.RD	DEPARTMENT OF ENERGY, OTHER	75480	DUKE UNIVERSITY	-	\$31,647
84.022	OVERSEAS PROGRAMS - DOCTORAL DISSERTATION RESEARCH ABROAD REHABILITATION SERVICES_ VOCATIONAL REHABILITATION GRANTS TO STATES		NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-	\$57,558
84.126		T011802			\$32,727
84.133	NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH		UNIVERSITY OF NEW HAMPSHIRE	H133B100030	\$30,042
84.133	NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH		HENRY H. KESSLER FOUNDATION	H133B120005	\$11,636
84.133	NATIONAL INSTITUTE ON DISABILITY AND REHABILITATION RESEARCH				\$31,307
84.200	GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED				\$246,065

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		UNIVERSITY OF WISCONSIN MADISON	R305D120005	\$2,689
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION				\$85,795
	PROMOTING READINESS OF MINORS IN SUPPLEMENTAL SECURITY		RESEARCH FOUNDATION FOR		
	INCOME		MENTAL HYGIENE INC.	H418P130011	\$3,902,484
84.418	GLOBAL AIDS		LES CENTRES GHESKIO	5U2GGH54-2	-\$2,053
93.067	GLOBAL AIDS		LES CENTRES GHESKIO	5U2GGH54-5	\$190,900
93.068	CHRONIC DISEASES: RESEARCH, CONTROL, AND PREVENTION				\$119,436
93.069	PUBLIC HEALTH EMERGENCY PREPAREDNESS	5294400000	DARTMOUTH COLLEGE	-	\$8,216
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH				\$1,386,497
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1U27DD1155-1	\$21,528
93.095	HHS PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON CONSTRUCTION		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	3R01NS11862-3051	-\$3,121
93.095	HHS PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON CONSTRUCTION				-\$5,422
93.103	FOOD AND DRUG ADMINISTRATION_RESEARCH		PENNSYLVANIA STATE UNIVERSITY	1R01FD3410-1A1	\$13,250
93.103	FOOD AND DRUG ADMINISTRATION_RESEARCH		DUKE UNIVERSITY	U01FD4964	\$163,275
93.103	FOOD AND DRUG ADMINISTRATION_RESEARCH				\$1,007,564
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5H3MC24048-4	\$21,741
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS				\$103,269
93.113	ENVIRONMENTAL HEALTH		BINGHAMTON UNIVERSITY	1R15ES022828-01	\$460
93.113	ENVIRONMENTAL HEALTH		STANFORD UNIVERSITY	1R21ES023371-01	\$68,087
93.113	ENVIRONMENTAL HEALTH		UNIVERSITY OF CALIFORNIA, SANTA CRUZ	1R01ES018990-01	\$1,954
93.113	ENVIRONMENTAL HEALTH		UNIVERSITY OF TEXAS, AUSTIN	R01ES21006	\$2,358
93.113	ENVIRONMENTAL HEALTH				\$403,858
93.121	ORAL DISEASES AND DISORDERS RESEARCH		STANFORD UNIVERSITY	5U01IDE24430-2	\$52,726
93.121	ORAL DISEASES AND DISORDERS RESEARCH		UNIVERSITY OF PITTSBURGH	5R01DE0022055-04	\$122,903
93.121	ORAL DISEASES AND DISORDERS RESEARCH		JAN BIOTECH INC	1R43DE025437-01	\$19,450
93.121	ORAL DISEASES AND DISORDERS RESEARCH				\$1,027,509
93.145	AIDS EDUCATION AND TRAINING CENTERS		COLUMBIA UNIVERSITY	H4AHA71	\$27,845
93.145	AIDS EDUCATION AND TRAINING CENTERS		COLUMBIA UNIVERSITY	U10HA29291	\$194,945
93.172	HUMAN GENOME RESEARCH		SLOAN-KETTERING INSTITUTE	R01HG6798	\$3,380
93.172	HUMAN GENOME RESEARCH				\$720,333
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		BINGHAMTON UNIVERSITY	R01DC6914	\$18,672

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		UNIVERSITY OF CHICAGO	R01DC014367	\$96,889
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		STOWERS INSTITUTE FOR MEDICAL RESEARCH	5R01DC014701-02	\$329,131
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	2U27DD862-4	\$337,709
DISABILITIES PREVENTION	93.184				\$7,060
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213				\$289,172
NATIONAL RESEARCH SERVICE AWARDS_ HEALTH SERVICES RESEARCH TRAINING	93.225				\$332,883
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		ARIZONA STATE UNIVERSITY	R01HS22306	\$5,474
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		COLUMBIA UNIVERSITY	R01HS022903	\$116,020
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		UNIVERSITY OF UTAH	R18HS018932	\$42,597
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		HOSPITAL FOR SPECIAL SURGERY	R01HS21734	-\$14,910
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		MAYO CLINIC	R01HS023077	\$7,987
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		ALBERT EINSTEIN COLLEGE	R01HS024432	\$6,106
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		THE GEORGE WASHINGTON UNIVERSITY	5R01HS21734-2	\$15,031
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226				\$413,610
NATIONAL CENTER ON SLEEP DISORDERS RESEARCH	93.233				-\$149
POLICY RESEARCH AND EVALUATION GRANTS	93.239		UNIVERSITY OF CALIFORNIA, DAVIS RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	5H79AE000100-05	\$27,605
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R01MH54137	\$139,874
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R01MH85921	\$76,543
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R21MH103650-2	\$60,546
MENTAL HEALTH RESEARCH GRANTS	93.242		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R21MH96255	\$93,469
MENTAL HEALTH RESEARCH GRANTS	93.242		COLUMBIA UNIVERSITY	R01MH93637	\$6,834
MENTAL HEALTH RESEARCH GRANTS	93.242		WAYNE STATE UNIVERSITY	R01MH099557	\$34,393
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSIDAD CENTRAL DEL CARIBE	R01MH099557	-\$1,172
MENTAL HEALTH RESEARCH GRANTS	93.242		NORTHWESTERN UNIVERSITY	P20MH09318	\$13,453
MENTAL HEALTH RESEARCH GRANTS	93.242		DARTMOUTH COLLEGE	5R01MH103148-03	\$59,646
MENTAL HEALTH RESEARCH GRANTS	93.242		DARTMOUTH COLLEGE	5T32MH73553	-\$21,145
MENTAL HEALTH RESEARCH GRANTS	93.242		DARTMOUTH COLLEGE	T32MH73553	\$22,273
MENTAL HEALTH RESEARCH GRANTS	93.242		SLOAN-KETTERING INSTITUTE	R21MH95378	\$6,955

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Federal CFDA Number</i>	<i>Cluster Name/Program Title</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
93.242	MENTAL HEALTH RESEARCH GRANTS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1R01MH101479-1	\$42,458
93.242	MENTAL HEALTH RESEARCH GRANTS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01MH101479-2	\$42,445
93.242	MENTAL HEALTH RESEARCH GRANTS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01MH101479-3	\$2,788
93.242	MENTAL HEALTH RESEARCH GRANTS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01MH95807-4	\$79,786
93.242	MENTAL HEALTH RESEARCH GRANTS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R01MH95807	\$1,126
93.242	MENTAL HEALTH RESEARCH GRANTS		SCRIPPS RESEARCH INSTITUTE	R21MH96258	-\$103
93.242	MENTAL HEALTH RESEARCH GRANTS		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	1R01MH105506-1	\$3,811
93.242	MENTAL HEALTH RESEARCH GRANTS		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	5R01MH105506-2	\$3,894
93.242	MENTAL HEALTH RESEARCH GRANTS		THE FLORIDA STATE UNIVERSITY	1R01MH104423-1	\$144
93.242	MENTAL HEALTH RESEARCH GRANTS		THE FLORIDA STATE UNIVERSITY CENTRE FOR ADDICTION AND MENTAL HEALTH	5R01MH104423-2	\$202,288
93.242	MENTAL HEALTH RESEARCH GRANTS		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	R01MH99167	\$9,466
93.250	MENTAL HEALTH RESEARCH GRANTS		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.		\$7,106,616
93.250	MENTAL HEALTH RESEARCH GRANTS		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.		\$30,605
93.273	ALCOHOL RESEARCH PROGRAMS		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	1R01AA23163-1	\$1,747
93.273	ALCOHOL RESEARCH PROGRAMS		RESEARCH FOUNDATION FOR MENTAL HYGIENE INC.	5R01AA23163-2	\$56,338
93.273	ALCOHOL RESEARCH PROGRAMS		UNIVERSITY OF CALIFORNIA, SAN DIEGO		\$517,199
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		UNIVERSITY OF CALIFORNIA, SAN DIEGO	U24DA041123	\$8,785
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		TUFTS UNIVERSITY	7R03DA0366883-04	\$28,960
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		YALE UNIVERSITY	R21DA38048	\$21,289
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		COLUMBIA UNIVERSITY	5R01DA35280-4	\$46,281
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		COLUMBIA UNIVERSITY	R01DA35280	\$48,152
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		COLUMBIA UNIVERSITY	R21DA35485	-\$4,022
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		ROCKEFELLER UNIVERSITY	5P60DA5130-25	\$50,319
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		UNIVERSITY OF CALIFORNIA, LOS ANGELES	R21DA038163	\$35,981
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		RHODE ISLAND HOSPITAL	1R01DA034634-01	\$956
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		NATIONAL BUREAU OF ECONOMIC RESEARCH	R01DA039968	\$8,568
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R21DA32858	\$15,477
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		VANDEBILT UNIVERSITY	R01DA35263	\$78,204

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.279		UNIVERSITY OF MIAMI	3UG1DA13720-16S3	\$30,138
93.279		ALBERT EINSTEIN COLLEGE	R01DA034086	\$46,226
93.279		BASE5 BIOSCIENCES	R41DA038990	\$58,139
93.279		BOSTON MEDICAL CENTER	R01DA31059-4	\$55,390
93.279				\$5,611,089
93.282				-\$13,641
93.286		BAYLOR COLLEGE OF MEDICINE	R01EB13584	\$1,639
93.286		UNIVERSITY OF MEMPHIS	5U54EB020404-03	\$40,309
93.286		UNIVERSITY OF NORTH CAROLINA	1P41EB20594-1	\$265,308
93.286		TUFTS MEDICAL CENTER	R01EB016041	\$1,633
93.286				\$2,933,032
93.297		OSWEGO COUNTY	1 TP1AH000086-01-00	\$32,410
93.307		CHILDREN'S RESEARCH INSTITUTE	R01MD007702	\$43,346
93.307		GEORGIA SOUTHERN UNIVERSITY	5P20MD6901-4	\$1,997
93.307	64847	BOYCE THOMPSON INSTITUTE	-	\$415,348
93.310		ROCKEFELLER UNIVERSITY	1UH2TR933-1	\$144,517
93.310		ROCKEFELLER UNIVERSITY	4UH3TR933-3S1	\$31,581
93.310		SLOAN-KETTERING INSTITUTE	DP2OD008440	\$184,050
93.310		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1R25EB20393-1	\$23,970
93.310		PRESIDENT AND FELLOWS OF HARVARD COLLEGE	R01EB18659	\$5,400
93.310				\$126,335
93.310				\$6,221,040
93.323		HEALTH RESEARCH INC	3U50CK00042302S1	\$63,455
93.350		UNIVERSITY OF ROCHESTER	5UL1TRO00042-10	\$34,583
93.350				\$9,063,342
93.351		UNIVERSITY OF MINNESOTA	P40OD010440	\$38,108
93.351				\$1,958,477
93.361		COLUMBIA UNIVERSITY	R01NR10822	\$8,900
93.361				\$321,478
93.389		NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & EDUCATION	5P41RR23953-5	-\$31,345
93.389				-\$433

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.393		UNIVERSITY OF ROCHESTER	R01CA168387	\$74,685
93.393		UNIVERSITY OF UTAH	R01CA164944	\$10,016
93.393		SLOAN-KETTERING INSTITUTE	R03CA193986	\$14,268
93.393		UNIVERSITY OF ILLINOIS AT CHICAGO	5U01CA154248-5	\$19,419
93.393		UNIVERSITY OF ILLINOIS AT CHICAGO	U01CA154248	\$36,075
93.393		MAYO CLINIC	P01CA77839	\$239,519
93.393		MAYO CLINIC	U01CA195568	\$139,694
93.393		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	R01CA187060	\$24,931
93.393		NYU LANGONE MEDICAL CENTER PRESIDENT AND FELLOWS OF	R01AG035137	\$47,195
93.393		HARVARD COLLEGE	R01CA164021	\$6,553
93.393		BOSTON MEDICAL CENTER UNIVERSITY OF TEXAS, MD	5R01CA93772-7	\$19,520
93.393		ANDERSON CENTER	P01CA77837	-\$67
93.393		UNIVERSITY OF CALIFORNIA, IRVINE	5U01CA152738-5	\$7,998
93.393				\$2,082,229
93.394		UNIVERSITY OF MICHIGAN	U01CA111275	\$70,313
93.394		UNIVERSITY OF CALIFORNIA, SAN DIEGO	5U01CA199792-02	\$41,182
93.394		MEMORIAL SLOAN KETTERING CANCER CENTER	5R01 CA161280-04 BD516009	\$102,568
93.394		SLOAN-KETTERING INSTITUTE		\$132,434
93.394		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1R01CA163772-3	\$102,513
93.394		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	4R01CA163772-4	\$17,586
93.394		UNIVERSITY OF TEXAS, HEALTH SCIENCE CENTER	U01CA86402	\$13,413
93.394		EMORY UNIVERSITY	U01CA113913	\$524
93.394		UNIVERSITY OF COLORADO A/AS INC.	U01CA157715	\$34,179
93.394		AMERICAN COLLEGE OF RADIOLOGY IMAGING NETWORK	1R43CA193096-1	\$8,403
93.394		METHODIST HOSPITAL RESEARCH INSTITUTE	U01CA80098	\$10,556
93.394			R33CA193382	\$6,956
93.394		UNIVERSITY OF MASSACHUSETTS UNIVERSITY OF CHICAGO	R01CA164311	\$2,649,098
93.395			U10CA31946	-\$398
93.395				\$47,642

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.395	CANCER TREATMENT RESEARCH		UNIVERSITY OF CHICAGO	U10CA37447	\$13,141
93.395	CANCER TREATMENT RESEARCH		UNIVERSITY OF CALIFORNIA, LOS ANGELES	2U01CA121947-5	\$285,929
93.395	CANCER TREATMENT RESEARCH		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	P01CA108671	\$364
93.395	CANCER TREATMENT RESEARCH		CHILDREN'S HOSPITAL OF PHILADELPHIA	U10CA180886	\$20,510
93.395	CANCER TREATMENT RESEARCH		THE CHILDREN'S HOSPITAL OF PHILADELPHIA	5U10CA98543-6	\$41,392
93.395	CANCER TREATMENT RESEARCH		EMORY UNIVERSITY	P01CA116676	\$422
93.395	CANCER TREATMENT RESEARCH		CITY OF HOPE BECKMAN RESEARCH INSTITUTE	R01CA102031	\$126,337
93.395	CANCER TREATMENT RESEARCH		THE EMMES CORPORATION	2U01CA121947-4	\$6,870
93.395	CANCER TREATMENT RESEARCH		THE EMMES CORPORATION	U01CA121947	\$107,112
93.395	CANCER TREATMENT RESEARCH		DANA-FARBER CANCER INSTITUTE, INC.	1R01CA197329-1	\$103,190
93.395	CANCER TREATMENT RESEARCH		DANA-FARBER CANCER INSTITUTE, INC.	R01CA182736	\$260,054
93.395	CANCER TREATMENT RESEARCH		DANA-FARBER CANCER INSTITUTE, INC.	R01CA197329-2	\$3,688
93.395	CANCER TREATMENT RESEARCH		MONTEFIORE MEDICAL CENTER	7U01CA180827-1	\$52,274
93.395	CANCER TREATMENT RESEARCH		MONTEFIORE MEDICAL CENTER	U01CA180827	\$80,689
93.395	CANCER TREATMENT RESEARCH		TUFTS MEDICAL CENTER	R01CA164311	-\$565
93.396	CANCER BIOLOGY RESEARCH		UNIVERSITY OF PENNSYLVANIA	R01CA198089	\$4,379,786
93.396	CANCER BIOLOGY RESEARCH		SLOAN-KETTERING INSTITUTE	5R01CA107429-10	\$277,748
93.396	CANCER BIOLOGY RESEARCH		SLOAN-KETTERING INSTITUTE	R01CA102774	\$109,284
93.396	CANCER BIOLOGY RESEARCH		SLOAN-KETTERING INSTITUTE	R01CA107429	-\$1,557
93.396	CANCER BIOLOGY RESEARCH		SLOAN-KETTERING INSTITUTE	R01CA173636	-\$2,516
93.396	CANCER BIOLOGY RESEARCH		SLOAN-KETTERING INSTITUTE	R01CA195787	\$48,608
93.396	CANCER BIOLOGY RESEARCH		SLOAN-KETTERING INSTITUTE	R01CA195787	\$143,613
93.396	CANCER BIOLOGY RESEARCH		BRIGHAM AND WOMEN'S HOSPITAL	P01CA120964	\$174,776
93.396	CANCER BIOLOGY RESEARCH		UNIVERSITY OF MONTREAL	2R01CA98571-11	\$19,250
93.396	CANCER BIOLOGY RESEARCH		DANA-FARBER CANCER INSTITUTE, INC.	U01CA162148	\$39,709
93.396	CANCER BIOLOGY RESEARCH		METHODIST HOSPITAL RESEARCH INSTITUTE	U01CA188388	\$323,228
93.396	CANCER BIOLOGY RESEARCH		UNIVERSITY OF TEXAS, MD ANDERSON CENTER	P01CA117969	\$68,270
93.396	CANCER BIOLOGY RESEARCH		UNIVERSITY OF TEXAS, MD ANDERSON CENTER	P01CA117969	\$4,343,903
93.397	CANCER CENTERS SUPPORT GRANTS		UNIVERSITY OF MICHIGAN	P50CA186786	\$11,817

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.397	CANCER CENTERS SUPPORT GRANTS		MEMORIAL SLOAN KETTERING CANCER CENTER	1U54CA199081-01	\$441,996
93.397	CANCER CENTERS SUPPORT GRANTS		SLOAN-KETTERING INSTITUTE	P50CA092629	\$58,039
93.397	CANCER CENTERS SUPPORT GRANTS		SLOAN-KETTERING INSTITUTE	P50CA172012-1	\$97,528
93.397	CANCER CENTERS SUPPORT GRANTS		CHILDREN'S HOSPITAL LOS ANGELES UNIVERSITY OF NEBRASKA MEDICAL CENTER	U54CA163117	\$40,497
93.397	CANCER CENTERS SUPPORT GRANTS		FRED HUCHINSON CANCER RESEARCH CENTER	U54CA163120	\$50,008
93.397	CANCER CENTERS SUPPORT GRANTS		FRED HUCHINSON CANCER RESEARCH CENTER	5U54CA163167-4	\$1,979
93.397	CANCER CENTERS SUPPORT GRANTS		FRED HUCHINSON CANCER RESEARCH CENTER	5U54CA163167-5	\$239,790
93.397	CANCER CENTERS SUPPORT GRANTS		METHODIST HOSPITAL RESEARCH INSTITUTE	U54CA149196	-\$44,889
93.397	CANCER CENTERS SUPPORT GRANTS				\$140,569
93.398	CANCER RESEARCH MANPOWER				\$1,544,929
93.399	CANCER CONTROL		UNIVERSITY OF CHICAGO	U10CA37447	\$13,102
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH				\$1,019,234
93.600	HEAD START				\$16,785
93.610	HEALTH CARE INNOVATION AWARDS (HCIA)		FUND FOR PUBLIC HEALTH IN NEW YORK INC.	1C1CMS331330-1	\$37,260
93.610	HEALTH CARE INNOVATION AWARDS (HCIA)		FUND FOR PUBLIC HEALTH IN NEW YORK INC.	C1CMS331330	\$125,240
93.647	SOCIAL SERVICES RESEARCH AND DEMONSTRATION				\$8,703
93.667	SOCIAL SERVICES BLOCK GRANT		AGING IN NEW YORK FUND	C130065	\$445,169
93.670	CHILD ABUSE AND NEGLECT DISCRETIONARY ACTIVITIES				\$203,317
93.701	TRANS-NIH RECOVERY ACT RESEARCH SUPPORT				-\$71,763
93.715	RECOVERY ACT COMPARATIVE EFFECTIVENESS RESEARCH - AHRQ		MASSACHUSETTS GENERAL HOSPITAL	R01HS19371	-\$89
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF VERMONT	5P01HL095488	\$6,732
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF MICHIGAN	R01HL109118	\$16,858
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF MICHIGAN	R01HL122438-2	\$45,955
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF PENNSYLVANIA	5U54HL177789-4	\$135,482
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF PENNSYLVANIA	5U54HL177789-5	\$11,374
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF IOWA RESEARCH TRIANGLE INSTITUTE	P01HL84207	\$227,856
93.837	CARDIOVASCULAR DISEASES RESEARCH		INTERNATIONAL	1R21HL125574-01	\$60,053
93.837	CARDIOVASCULAR DISEASES RESEARCH		UNIVERSITY OF PITTSBURGH	5R01HL122144-02	\$71,698
93.837	CARDIOVASCULAR DISEASES RESEARCH		COLUMBIA UNIVERSITY	5R25HL108014-2	\$67,693
93.837	CARDIOVASCULAR DISEASES RESEARCH		NEW YORK UNIVERSITY	U01HL1105907	\$292,044

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.837		MASSACHUSETTS GENERAL HOSPITAL	U01HL123336	\$134,557
93.837		WASHINGTON UNIVERSITY	P20HL113444	\$11,231
93.837		NEW YORK BLOOD CENTER, INC.	1R01HL122788-1	\$35,877
93.837		BRIGHAM AND WOMEN'S HOSPITAL	5P01HL108801-4	-\$61,128
93.837		BRIGHAM AND WOMEN'S HOSPITAL UNIVERSITY OF KANSAS MEDICAL CENTER	5P01HL108801-5	\$389,016
93.837		ICON CLINICAL RESEARCH, LLC	R56HL129875	\$8,393
93.837		UNIVERSITY OF MARYLAND	1U01HL117006-1A1	\$32,469
93.837		UNIVERSITY OF MICHIGAN	U01HL19997	-\$14,336
93.838		UNIVERSITY OF MICHIGAN	R01HL114447	\$11,490,949
93.838		UNIVERSITY OF MICHIGAN	R01HL114447-4	-\$5
93.838		COLUMBIA UNIVERSITY	P01AI106697	\$36,876
93.838		COLUMBIA UNIVERSITY	U01HL125218	\$457,522
93.838		BETH ISRAEL DEACONESS MEDICAL CENTER	5R01HL111430-04	\$177,106
93.838		BRIGHAM AND WOMEN'S HOSPITAL	P01HL105339	\$224,663
93.838		BRIGHAM AND WOMEN'S HOSPITAL	R01HL112747	\$81,973
93.838		UNIVERSITY OF WASHINGTON	5U01HL88476-3	\$3,345
93.839		WASHINGTON UNIVERSITY	U01HL116383	\$9,830,158
93.839		NEW YORK BLOOD CENTER, INC.	R01HL96497	\$24,417
93.839		FRED HUCHINSON CANCER RESEARCH CENTER	R01HL115128	\$32,156
93.839		COLUMBIA UNIVERSITY	5R01AR065023-03	\$3,714
93.846		ARTICULATE BIOMEDICAL LLC	1 R41 AR 068183 - 01	\$115,162
93.846		HOSPITAL FOR SPECIAL SURGERY	5R01 AR041325-24	\$1,711,131
93.846		UNIVERSITY OF CALIFORNIA, DAVIS	R01DK095960	\$208,364
93.847		COLUMBIA UNIVERSITY	1U54DK104309-1	\$18,615
93.847		COLUMBIA UNIVERSITY	R01DK072507	\$12,129
93.847		COLUMBIA UNIVERSITY	R01DK97399	\$1,675,078
93.847		COLUMBIA UNIVERSITY	R01DK97399	-\$23,159
93.847		COLUMBIA UNIVERSITY	R01DK97399	\$99,369
93.847		COLUMBIA UNIVERSITY	R01DK97399	\$7,515
93.847		COLUMBIA UNIVERSITY	R01DK97399	\$102,873

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	U01DK066667	\$67,642
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF UTAH	5R01DK93151-4	\$54,389
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		BETH ISRAEL DEACONESS MEDICAL CENTER	R01DK098002	\$148,118
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF WASHINGTON	5R01DK833391-2	-\$2
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF WASHINGTON	5R01DK833391-4	\$3,878
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		NEW YORK MEDICAL COLLEGE	5R01DK45462-15	\$7
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN RESERVE UNIVERSITY	1DP3DK101074-1	\$5,740
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN RESERVE UNIVERSITY	DP3DK104438	\$54,532
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN RESERVE UNIVERSITY	U01DK94157	\$277,691
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		ALBERT EINSTEIN COLLEGE	1UC4DK101108-1	\$12,273
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		ST. LUKE'S ROOSEVELT INSTITUTE FOR HEALTH SCIENCE	R01DK72507	\$4,605
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		ST LOUIS UNIVERSITY FUSZ MEMORIAL HOSPITAL	R01DK95112	\$22,314
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		BRIGHAM YOUNG UNIVERSITY	1R21DK99619-1A1	\$41,750
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	5U01DK66667-11	\$7,930,387
DEPARTMENT OF HEALTH & HUMAN SERVICES, MISC EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.848		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY		-\$46
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	5R01NS70173-2	-\$212
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		UNIVERSITY OF MINNESOTA	R01NS70173	\$22,813
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		YALE UNIVERSITY	7R01NS85136-3	\$24,287
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		BOSTON COLLEGE	R01NS082116	\$20,954
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		UNIVERSITY OF PITTSBURGH	5R01NS032385-19	\$24,145

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		COLUMBIA UNIVERSITY	R01NS85136-2	-\$4,407
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		COLUMBIA UNIVERSITY	U10NS086728	\$80,086
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		ROCKEFELLER UNIVERSITY	R01NS34389-18	\$22,284
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		NORTHWESTERN UNIVERSITY UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	U01NS80818	\$13,155
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		UNIVERSITY OF VIRGINIA	R01NS067420	\$9,154
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		UNIVERSITY OF VIRGINIA	U01NS069498	\$19,571
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		MASSACHUSETTS GENERAL HOSPITAL ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	1U01NS84495-1A1	\$20,825
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	5R01NS84486-2	\$190,227
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R01NS060809	\$53,656
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		WASHINGTON UNIVERSITY	5R01NS90934-20	\$168,173
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		WASHINGTON UNIVERSITY	9R01NS90934-19	\$26,945
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		WASHINGTON UNIVERSITY	R01NS092653	\$95,567
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		JOHNS HOPKINS UNIVERSITY	5U01NS80824-3	\$26,574
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		UNIVERSITY OF CINCINNATI	5U01NS69763-5	\$19,919
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		TAUB INSTITUTE	U10NS077267	\$30,753
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		OHIO STATE MEDICAL CENTER	R01LM11116	\$70,198
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		HARVARD MEDICAL SCHOOL	1U01NS82329-1	\$33,531
93.853	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PRINCETON UNIVERSITY	R21AI117213	\$15,201,564
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		MICHIGAN STATE UNIVERSITY	U19AI089683-04	\$85,921
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		UNIVERSITY OF PENNSYLVANIA	R01AI82292	\$145,666
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		UNIVERSITY OF PENNSYLVANIA	U01AI63589	\$27,947
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	U01AI106398	\$3,816
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	R01AI106398	\$41,063

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CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.855		UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	1R21AI111173-02	\$26,459
93.855		UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL	5R01AI056189-12	\$10,872
93.855		UNIVERSITY OF MIAMI SCHOOL OF MEDICINE	R01AI091521	\$203,742
93.855		UNIVERSITY OF CAPE TOWN	R21AI115993-01	\$52,299
93.855		COLUMBIA UNIVERSITY	5R33AI98654-4	\$21,613
93.855		COLUMBIA UNIVERSITY	R01AI119762	\$9,207
93.855		ROCKEFELLER UNIVERSITY	U01AI18536-1	\$27,440
93.855		ROCKEFELLER UNIVERSITY	U01AI18536-2	\$25,518
93.855		WAYNE STATE UNIVERSITY	R01AI119446	\$86,438
93.855		UNIVERSITY OF ROCHESTER MEDICAL CENTER	5P30AI079498-08	\$108,582
93.855		JAN BIOTECH INC	1R41AI116358-01A1	\$46,756
93.855		MASSACHUSETTS GENERAL HOSPITAL	R01AI042006	\$31,586
93.855		FAMILY HEALTH INTERNATIONAL	5UM1AI68619	\$25,036
93.855		FAMILY HEALTH INTERNATIONAL	5UM1AI68619-10	\$35,234
93.855		FAMILY HEALTH INTERNATIONAL	5UM1AI68619-10	\$128,331
93.855		FAMILY HEALTH INTERNATIONAL	UM1AI68619	\$593,682
93.855		JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE	UM1AI68632	\$35,046
93.855		TEXAS A&M	1R21AI121689-1	\$30,405
93.855		OREGON HEALTH AND SCIENCE UNIVERSITY	U01AI095776	\$30,492
93.855		OREGON HEALTH AND SCIENCE UNIVERSITY	U01AI95776	\$20,187
93.855		VANDERBILT UNIVERSITY	U01AI69923	-\$320
93.855		VANDERBILT UNIVERSITY	U01AI69923	\$128,378
93.855		FUNDACAO DE APOIO A PESQUISA E A EXTENS	P50AI030639	\$35,538
93.855		BRIGHAM AND WOMEN'S HOSPITAL	5R37AI55357	-\$33,500
93.855		BRIGHAM AND WOMEN'S HOSPITAL	5R37AI55357-7	-\$3,770
93.855		BRIGHAM AND WOMEN'S HOSPITAL	5UM1AI68363-10	\$52,738
93.855		BRIGHAM AND WOMEN'S HOSPITAL	5UM1AI68363-9	\$46,984
93.855		BRIGHAM AND WOMEN'S HOSPITAL	5UM1AI68363-8	\$16,208

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.855		BRIGHAM AND WOMEN'S HOSPITAL	UM1A1068636	\$741,607
93.855		INSTITUTE FOR CLINICAL RESEARCH	M38-CO-065-0910-4	-\$7,247
93.855		PROGENICS PHARMACEUTICALS, INC.	P01A182362	-\$95,144
93.855		ALBERT EINSTEIN COLLEGE	U01A135004	-\$3,317
93.855		SCRIPPS RESEARCH INSTITUTE	5UM1A1100663-4	\$118,954
93.855		LES CENTRES GHESKIO	5UM1A169421-10	\$257,515
93.855		LES CENTRES GHESKIO	U01A169421	\$91,455
93.855		RESEARCH FDN OF SUNY UNIVERSITY OF BUFFALO	5R01A111990-1	\$18,530
93.855		PRESIDENT AND FELLOWS OF HARVARD COLLEGE	5U19A1107774-3	\$986,542
93.855		MONTEFIORE MEDICAL CENTER	5U01A135004-22	\$23,586
93.855		MONTEFIORE MEDICAL CENTER	5U01A135004-24	\$19,964
93.855		BRENTWOOD BIOMEDICAL	R01A134431	\$67
93.855		CHILDREN'S HOSPITAL BOSTON	1R01A199204-1	\$238
93.855		CHILDREN'S HOSPITAL BOSTON	5R01A199204-5	\$7,374
93.855		CHILDREN'S HOSPITAL BOSTON	R01A199204	\$60,325
93.855		UNIVERSITY OF ROCHESTER	HHSN272201400005C	\$30,931,686
93.856		MOUNT SINAI SCHOOL OF MEDICINE	HHSN272201400008C	\$432,032
93.856		VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	5R01GM099450-04	\$112,455
93.859		VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY	R01GM105245	\$129,781
93.859		UNIVERSITY OF MICHIGAN	R01GM103961	\$117,819
93.859		UNIVERSITY OF PENNSYLVANIA	5R37GM53256-21	\$98,844
93.859		COLD SPRING HARBOR LABORATORY UNIVERSITY OF IOWA	5R01GM102192-05	\$93,197
93.859		IOWA STATE UNIVERSITY	5R01GM108716-02	\$74,125
93.859		UNIVERSITY OF MINNESOTA	5R01GM059604-14	\$43,502
93.859		YALE UNIVERSITY	5P01GM56550-19	\$15,094
93.859		YALE UNIVERSITY	P01GM56550	\$286,240
93.859		YALE UNIVERSITY	R01GM116654	\$171,048
93.859		UNIVERSITY OF ROCHESTER	R01GM101023	\$68,720
93.859		TETRA GENETICS INC.	1R44GM116236-01A1	\$8,312
93.859		UNIVERSITY OF MASSACHUSETTS	5R01GM110394-04	\$9,826
93.859		UNIVERSITY OF MASSACHUSETTS	5R01GM110394-04	\$43,581
93.859		UNIVERSITY OF MASSACHUSETTS	5R01GM110394-04	\$38,919
93.859		UNIVERSITY OF MASSACHUSETTS	5R01GM110394-04	\$94,977

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		UNIVERSITY OF CHICAGO	5U54GM87519-5	-\$97
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		UNIVERSITY OF CHICAGO	R01GM105933	\$16,767
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		UNIVERSITY OF CHICAGO	U54GM087519	\$93,043
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		UNIVERSITY OF UTAH	R01GM064664	\$124,604
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		GLYCOBIA INC.	2R44GM093483-02	\$106,960
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		SLOAN-KETTERING INSTITUTE	R01GM52470-20	\$117,122
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		VANDERBILT UNIVERSITY	R01GM103859	\$71,906
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		UNIVERSITY OF COLORADO	5R01GM111902-2	\$27,083
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		TUFTS MEDICAL CENTER	R01GM42219	\$165,634
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING				\$33,234,609
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PENNSYLVANIA STATE UNIVERSITY	5R01HD074605-03	\$90,293
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	P01HD23315	-\$6
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		COLUMBIA UNIVERSITY	5R01HD67287-5	\$39,218
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		COLUMBIA UNIVERSITY	P01HD080642	\$157,606
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		COLUMBIA UNIVERSITY	P01HD32062	\$22,613
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		COLUMBIA UNIVERSITY	R01HD67287	\$6,930
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		UNIVERSITY OF TEXAS, MEDICAL BRANCH	5P2CHD065702-07	\$81,543
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		UNIVERSITY OF TEXAS, MEDICAL BRANCH	5R24HD065702-05	\$5,388
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		UNIVERSITY OF UTAH	2U01HD49934-8	\$1,499
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		UNIVERSITY OF CALIFORNIA, LOS ANGELES	R01HD73975	\$484,141
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		DUKE UNIVERSITY	R01HD081044	\$769
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		WASHINGTON UNIVERSITY	5R01HD78641-2	\$106,778
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		WASHINGTON UNIVERSITY	U01HD079065	\$137,166
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		JOHNS HOPKINS UNIVERSITY	1R01HD81929-1	-\$1,409
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		JOHNS HOPKINS UNIVERSITY	5R01HD81929-2	\$150,105
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		UNIVERSITY OF OKLAHOMA	R01HD74579	\$3,602

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	5R01HD76914-2	\$43,285
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		NEW YORK UNIVERSITY SCHOOL OF MEDICINE	5R01HD76914-3	\$7,438
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		TAUB INSTITUTE JOHN HOPKINS UNIVERSITY	R01HD69178	-\$420
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		BLOOMBERG SCHOOL OF PUBLIC HEALTH	U01HD74542-4	\$73,534
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF MICHIGAN	R01AG047932	\$7,324,855
AGING RESEARCH	93.866		UNIVERSITY OF CALIFORNIA, SAN DIEGO		\$33,173
AGING RESEARCH	93.866		UNIVERSITY OF WASHINGTON	U19AG010483	\$62,583
AGING RESEARCH	93.866		UNIVERSITY OF WASHINGTON	P01AG1751	\$70,942
AGING RESEARCH	93.866		UNIVERSITY OF MASSACHUSETTS	R24AG044284	\$31,822
AGING RESEARCH	93.866		COLUMBIA UNIVERSITY	5R21AG42701-2	\$82,312
AGING RESEARCH	93.866		COLUMBIA UNIVERSITY	R21AG046703	\$34,740
AGING RESEARCH	93.866		ROCKEFELLER UNIVERSITY	R21AG48408-2	\$97,071
AGING RESEARCH	93.866		UNIVERSITY OF CALIFORNIA, BERKELEY	P01AG16765	\$43,364
AGING RESEARCH	93.866		BROWN UNIVERSITY	5P30AG012839-22	\$18,000
AGING RESEARCH	93.866		UNIVERSITY OF WASHINGTON	R01AG047180	\$75,068
AGING RESEARCH	93.866		ALBERT EINSTEIN COLLEGE	R21AG42637	\$1,110
AGING RESEARCH	93.866		NYU LANGONE MEDICAL CENTER	R01AG052286	\$14,499
AGING RESEARCH	93.866		NYU LANGONE MEDICAL CENTER	5R01AG13616-21	\$51,608
AGING RESEARCH	93.866		BURKE MEDICAL RESEARCH INSTITUTE	5R01AG13616-22	\$46,492
AGING RESEARCH	93.866		BURKE MEDICAL RESEARCH INSTITUTE	P01AG014930	\$61,533
AGING RESEARCH	93.866		BURKE MEDICAL RESEARCH INSTITUTE	R01NS77897	\$15,826
VISION RESEARCH	93.866		BOSTON UNIVERSITY		\$3,979,799
VISION RESEARCH	93.867		UNIVERSITY OF VIRGINIA	R01EY18363	\$35,044
VISION RESEARCH	93.867		OREGON HEALTH AND SCIENCE UNIVERSITY	R01EY024327	\$38,748
VISION RESEARCH	93.867		UNIVERSITY OF ILLINOIS	R01EY19474	\$3,874
VISION RESEARCH	93.867		UNIVERSITY OF ILLINOIS	PNZEY16570	-\$31,848
VISION RESEARCH	93.867		UNIVERSITY OF ILLINOIS		\$3,337,986
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910		LUTHERAN FAMILY HEALTH CENTERS	-	\$48,620
INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-10	\$49,976
INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-4	\$33,235

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

Federal CFDA Number	Cluster Name/Program Title	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-5	\$2,724
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		JOHNS HOPKINS UNIVERSITY	5U2RTW6885-9	-\$1,976
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		JOHNS HOPKINS UNIVERSITY	U2RTW6885	-\$36,300
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		VANDERBILT UNIVERSITY	3R25TW9337-3S3	\$27,160
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		VANDERBILT UNIVERSITY	5R25TW9337-2	\$3,323
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		VANDERBILT UNIVERSITY	5R25TW9337-3	\$182,660
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		VANDERBILT UNIVERSITY	5R25TW9337-4	\$54,246
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		VANDERBILT UNIVERSITY	5R25TW9337-5	\$1,149
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		LES CENTRES GHESKIO	5U2RTW6896	\$509
93.999	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER		SLOAN-KETTERING INSTITUTE	2R01GM52470-21	\$666,713
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	14-1908			\$105,687
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	14EJIPA001			\$54,535
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	15IPA1509133			\$92,972
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	1U0INS26835-1A1	THE EMMES CORPORATION	1U0INS26835-1A1	\$116,892
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	200-2009-28537	CARTER CONSULTING INC.	200-2009-28537	\$36,903
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	5N02CM97024	CALGB FOUNDATION	5N02CM97024	\$27,366
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	CHAT-MOU	LUTHERAN FAMILY HEALTH CENTERS UNIVERSITY OF TEXAS, MD	-	\$3,079
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN261201200034I	ANDERSON CENTER	HHSN261201200034I	\$190,192
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN268200900020C	UNIVERSITY OF NORTH CAROLINA	HHSN268200900020C	\$14,897
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN268201000048C	RESEARCH TRIANGLE INSTITUTE	HHSN268201000048C	\$146,708
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN272201000039C	WAYNE STATE UNIVERSITY	HHSN272201000039C	-\$11,922
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSP233201550076A			\$564,508
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	M38-CO-065-0910-4	INSTITUTE FOR CLINICAL RESEARCH	M38-CO-065-0910-4	\$62,675
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	M38CO650910-4	INSTITUTE FOR CLINICAL RESEARCH	M38CO650910-4	\$9,339
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	UR # 5-29686/PO# 416189-G	UNIVERSITY OF ROCHESTER WASHINGTON UNIVERSITY IN ST. LOUIS	HHSN266200700008C	-\$92
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	WU-16-410		R01BM108811	\$9,690
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	5294590401			\$31,924
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	5295795001			\$28,948
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	12IPA1203268			-\$125
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN2628200900017C	COLUMBIA UNIVERSITY	HHSN2628200900017C	\$103,767
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	5298874401	JOHN HOPKINS UNIVERSITY SCHOOL OF MEDICINE		\$16,039
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN261201200018I			-\$8,362
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN26100005			\$89,266
93.RD	DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	HHSN272201000043C	UNIVERSITY OF FLORIDA	HHSN272201000043C	\$26,341

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

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2016

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity Identifying Number</i>	<i>Total Federal Expenditures</i>
DEPARTMENT OF HEALTH AND HUMAN SERVICES, OTHER	93.RD	5299905000	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	-	\$164
SOCIAL SECURITY_RESEARCH AND DEMONSTRATION	96.007		BOSTON COLLEGE	6 RRC 08098402.07	\$45,000
CENTERS FOR HOMELAND SECURITY	97.061		UNIVERSITY OF NORTH CAROLINA	2015-ST-061-ND0001-01	\$40,259
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	RC102095-M1002	MICHIGAN STATE UNIVERSITY	-	\$2,970
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		KANSAS STATE UNIVERSITY	AID-OAA-A-13-00051	\$110,172
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF CALIFORNIA, DAVIS	AID-OAA-A-14-00021	\$7,109
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	AID-OAA-L-10-00003	\$8,992
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		INTERNATIONAL PERSONNEL PROTECTION INC.	AID-OAA-A-15-00023	\$56,097
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001				\$3,204,584
USAID DEVELOPMENT PARTNERSHIPS FOR UNIVERSITY COOPERATION AND DEVELOPMENT	98.012		UNIVERSITY OF FLORIDA	AIDCGA000700001	\$104,388
AGENCY FOR INTERNATIONAL DEVELOPMENT, OTHER	98.RD	16258	UNIVERSITY OF CALIFORNIA, DAVIS	16258	\$113,115
TOTAL RESEARCH AND DEVELOPMENT CLUSTER PROGRAMS					\$428,286,257
SNAP CLUSTER PROGRAMS					
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	C021243	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	-	\$53,736
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ...	10.561	C021243	NYS OFFICE OF TEMPORARY AND DISABILITY ASSISTANCE	-	\$45,297
TOTAL SNAP CLUSTER PROGRAMS					\$99,033
STUDENT FINANCIAL AID CLUSTER PROGRAMS					
FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANTS (SEOG)	84.007				\$2,686,733
FEDERAL WORK-STUDY PROGRAM	84.033				\$2,478,488
FEDERAL PERKINS LOAN-NEW LOANS ISSUED 2016	84.038				\$12,397,966
FEDERAL PERKINS LOAN-ADMINISTRATIVE COST ALLOWANCE	84.038				\$693,742
FEDERAL PERKINS LOAN-OUTSTANDING LOANS AS OF JULY 1, 2015	84.038				\$43,678,755
FEDERAL PELL GRANT	84.063				\$9,964,132
FEDERAL DIRECT STUDENT LOANS	84.268				\$105,019,894
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS-NEW LOANS ISSUED 2016	93.342				\$362,633

CORNELL UNIVERSITY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS PART B
 SUMMARY OF PROGRAM CLUSTERS
 Year Ended 6/30/2016

Cluster Name/Program Title	Federal CFDA Number	Additional Award Identification	Pass-Through Entity Name	Pass-Through Entity Identifying Number	Total Federal Expenditures
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS-OUTSTANDING LOANS AS OF JULY 1, 2015	93.342				\$6,191,332 \$183,473,675
TOTAL STUDENT FINANCIAL AID CLUSTER PROGRAMS					
TANF CLUSTER PROGRAMS					
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	C027777	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-	\$34,418
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	C026550	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-	\$132,052
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	C026767	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	-	\$636,303 \$802,773
TOTAL TANF CLUSTER PROGRAMS					
TRIO CLUSTER PROGRAMS					
TRIO_UPWARD BOUND	84.047				\$280,590
TRIO_MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217				\$279,369 \$559,959
TOTAL TRIO CLUSTER PROGRAMS					

CORNELL UNIVERSITY
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS, PART C
FEDERAL LOAN PROGRAMS YEAR END BALANCES
Year Ended 6/30/2016

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification</i>	<i>Outstanding Balance at 6/30/2016</i>
DEPARTMENT OF EDUCATION LOAN PROGRAMS			
FEDERAL PERKINS LOAN	84.038		\$48,189,329
DEPARTMENT OF HEALTH AND HUMAN SERVICES LOAN PROGRAMS			
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342		\$5,657,647

CORNELL UNIVERSITY
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year Ended 6/30/2016

1: Significant Accounting Policies Used in Preparing the SEFA

The accompanying schedule of expenditures of federal awards includes the federal grant 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 Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance). Therefore, some amounts presented in this schedule may differ from amounts presented in, or used in the preparation of, the basic consolidated financial statements.

2: Facilities and Administrative Costs

The University applies its predetermined approved facilities and administrative rate 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 January 20, 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 DHHS rate agreement dated June 16, 2016. 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 Part A are the loan beginning balances, new loans and administrative cost allowance from the Perkins Loan Program and Health Professions Student Loans. Included within the Schedule Part C are the loan balances for the year ended June 30, 2016.

4: DATA Act Section 5 Pilot Single Audit Test Model

Cornell University is participating in the DATA Act Pilot Single Audit Test Model program ("the Pilot") and that has affected the accompanying Schedule of Expenditures of Federal Awards Part A, Award Expenditure Detail, Part B, Summary of Program Clusters, Part C, Federal Loan Program Year End Balances (the "Schedule") for the year ended June 30, 2016. The Schedule's format is based upon the output of the Pilot program process and templates.



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 the 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, ("University"), which comprise the consolidated statement of financial position as of June 30, 2016, and the related consolidated statements of activities and of cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated October 27, 2016.

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 entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

Compliance and Other Matters

As part of obtaining reasonable assurance about whether 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

October 27, 2016



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

To the Board of Trustees
Cornell University

Report on Compliance for Each Major Federal Program

We have audited Cornell University's ("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, 2016. 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 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 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, 2016.

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 2016-001 to 2016-003. 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. 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 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. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

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

A handwritten signature in blue ink that reads "PricewaterhouseCoopers LLP".

February 10, 2017

Cornell University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2016

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? _____ Yes X 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	Student Financial Aid Cluster
66.950	U.S. Environmental Protection Agency – National Environmental Education Training Program

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, 2016

Section II – Financial Statement Findings

None noted in the current year

Cornell University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2016

Section III – Federal Award Findings and Questioned Costs

2016 – 001 Non - Compliance with Requirements prior to Disbursement

U.S. Department of Education Student Financial Aid Cluster
CFDA 84.268 Federal Direct Loan Program

Criteria:

In accordance with 34 CFR section 685.304, a school must ensure that entrance counseling is conducted with each Federal Direct Loan student borrower prior to making the first disbursement.

Condition:

We reviewed a sample of 60 students who were disbursed Federal Direct Loans. One student of the 60 did not have evidence of completed entrance counseling prior to disbursement. This is a repeat of prior year finding, 2015-001.

Questioned Costs:

None

Cause:

Disbursements from the U.S. Department of Education's Common Origination and Disbursements (COD) system are processed based on a checklist within the student's electronic file. In this instance, the checklist was manually updated to note that entrance counseling was completed, however, there was no entrance counseling form. In response to the prior year finding, 2015-001, in May 2016, the Office of Financial Aid developed a query to identify entrance counseling checklists that were updated inappropriately by staff by comparing those that had been noted as complete on the checklist with no record in COD. However, the query only looked as far back as 2013 and did not capture this instance.

Effect:

The Federal Direct Loan disbursements to a student without completion of the entrance counseling may have resulted in that student not having sufficient loan program information.

Recommendation:

We recommend the University ensure individuals involved in the process receive additional training to help ensure there is a better understanding of the process to manually document entrance counseling status. In addition, the University should develop a level of review over all manual changes to the checklist within the student's electronic file to ensure they are appropriately updated based on the existence of supporting documentation.

Management's Response:

See Management Views and Corrective Action Plan

Cornell University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2016

2016 – 002 Non - Compliance with Requirements for Verification

U.S. Department of Education Student Financial Aid Cluster
CFDA 84.007 Federal Supplemental Education Opportunity Grants

CFDA 84.033 Federal Work-Study Program

CFDA 84.038 Federal Perkins Loan Program

CFDA 84.063 Federal Pell Grant Program

CFDA 84.268 Federal Direct Loan Program

Criteria:

In accordance with 34 CFR sections 668.56 and 668.57, for each award year, the Secretary of Education publishes in the Federal Register notice the FAFSA information that the University and a student may be required to verify. If a student is selected for verification, a school must obtain the specified documentation.

Condition:

We reviewed a sample of 25 students who were selected for verification at the Ithaca campus. Of the 25 students, two student files did not include the required documentation for verification. One student file was missing the parent's IRS transcript and one student file was missing the student's non-filing statement or IRS transcript.

Questioned Costs:

None

Cause:

The University has written policies and procedures in place that incorporate the provisions of 34 CFR sections 668.51 through 668.61. Once the required documentation is obtained and reviewed by the Office of Financial Aid, the student file is updated to reflect that verification documents have been reviewed and verification is complete. In both instances, the student file was updated noting verification was complete, however, the required documentation was not included. It is noted that there is no secondary review of the verification process to ensure that all required documentation is obtained and that the appropriate verification conclusions were reached.

Effect:

Inadequately verifying student aid applications may have resulted in providing financial aid to ineligible students.

Recommendation:

We recommend the University implement a level of review over verifications that have been completed to ensure all required documentation has been obtained, any discrepancies have been appropriately resolved, and an appropriate verification conclusion is reached. Also, those performing verification procedures should be reminded of the need for and importance of maintaining all relevant documentation in the student's file.

Cornell University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2016

Management's Response:

See Management Views and Corrective Action Plan

Cornell University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2016

2016 - 003 Non – Compliance with Timely and Accurate Student Enrollment Change Submissions to the National Student Loan Data System (NSLDS)

U.S. Department of Education Student Financial Aid Cluster
CFDA 84.007 Federal Supplemental Educational Opportunity Grants

CFDA 84.038 Federal Perkins Loan Program

CFDA 84.063 Federal Pell Grant Program

CFDA 84.268 Federal Direct Loan Program

Criteria:

In accordance with 2 CFR 685.309, schools are required to confirm and report to the NSLDS the enrollment status of students who receive Federal student loans. Enrollment reporting in a timely and accurate manner is critical for effective management of the programs. Enrollment information must be reported within 30 days whenever attendance changes for a student, unless an Enrollment reporting roster will be submitted within 60 days. These changes include reductions or increases in attendance levels, withdrawals, graduations, or approved leaves-of-absence.

Condition:

We reviewed a sample of 60 students from the Ithaca campus who graduated or withdrew from the University either prior to or after the student began attendance. Of the 60 students requiring notification of the enrollment change to NSLDS, seven students were reported to NSLDS either inaccurately or untimely. Of the seven students, four students were input using incorrect effective dates of withdrawal which resulted in students not being reported to NSLDS within the required timeframe. One student was reported using an incorrect effective date and status as withdrawn when the student had graduated. In addition, two students which had accurate effective dates were not reported to NSLDS within the required timeframe. The reporting occurred from 65 to 66 days after the effective date. This is a repeat of prior year finding, 2015-004.

Questioned Costs:

None

Cause:

The University has implemented a formal policy and level of review over determining effective dates for NSLDS for all in-term withdrawals through the Office of the University Registrar. However, the review does not include students who withdraw between terms.

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 negatively impacted by inaccurate and late reporting.

Cornell University
Schedule of Findings and Questioned Costs
Year Ended June 30, 2016

Recommendation:

We recommend the University amend its formal policy to include withdrawal of students between school terms. In addition, those who process status changes should be offered additional training over the timeliness and accuracy of reporting status changes. Further, for all students who withdrew between terms, management should ensure remaining reporting was completed properly and updates are made if necessary for each student.

Management's Response:

See Management Views and Corrective Action Plan

Cornell University
Schedule of Status of Prior Audit Findings
Year Ended June 30, 2016

2015 – 001 Non - Compliance with Requirements prior to Disbursement

U.S. Department of Education Student Financial Aid Cluster
CFDA 84.268 Federal Direct Loan Program

Condition:

We reviewed sample size of 60 students who were awarded Title IV aid. Of the 60 students, all of which were disbursed Federal Direct Loans, 2 (Ithaca students) of the 60 did not have evidence of completed entrance counseling prior to disbursement.

Status:

A query was developed to identify entrance counseling checklists that were updated inappropriately by staff. However, this is a repeat finding in 2016 because current year testing included a student that initially began attendance in 2010 and the query did not go back that far to capture this instance. See current year finding 2016-001.

2015 – 002 Non - Compliance with Disbursements to Ineligible Students

U.S. Department of Education Student Financial Aid Cluster
CFDA 84.038 Federal Perkins Loan Program

CFDA 84.268 Federal Direct Loan Program

Condition:

One student within the Graduate School out of 60 students tested was disbursed funds in the spring semester in the amount of \$36,668, however the student was not enrolled for the spring semester.

Status:

The \$36,668 was paid to the U. S. Department of Education in March 2015. Effective Spring 2016, all graduate students require credit hour enrollment in the financial aid system. Disbursement to all students not enrolled will be held by the system until the student file is reviewed and updated by the Office of Financial Aid and Student Employment. Based on the results of procedures performed, no reportable findings were noted during the current audit year.

2015 - 003 Non - Compliance with Calculation of Return of Title IV Funds

U.S. Department of Education Student Financial Aid Cluster
CFDA 84.007 Federal Supplemental Educational Opportunity Grants

CFDA 84.038 Federal Perkins Loan Program

CFDA 84.063 Federal Pell Grant Program

CFDA 84.268 Federal Direct Loan Program

Condition:

Out of a total population of 341 students who withdrew from the University and received Title IV funding, a sample of 61 students were reviewed.

Cornell University
Schedule of Status of Prior Audit Findings
Year Ended June 30, 2016

Twelve instances (3 in Law School, 7 in Veterinary School, and 2 in Johnson School of Management) were identified in which the dates included within the calculation of the unearned funds to be returned were incorrect which resulted in 7 errors in the amounts to be returned. In addition, these funds were not returned within the 45-day requirement per 34 CFR section 668.173(b).

In addition, there were 3 instances (2 in Undergraduate, 1 in Weill Cornell Medicine) in which funds were not returned timely, one not within the 30-day requirement per 34 CFR section 668.21(b) and two not within the 45-day requirement per 34 CFR section 668.173(b).

Funds were returned within 35 days for the 30-day requirement, and 83 days to 393 days for the 45-day requirement.

Status:

A withdrawal date approval policy has been implemented whereby the Office of the University Registrar reviews and approves the withdrawal dates inclusive of the class start and end dates. Further, all Return of Title IV calculations are performed by the Office of Financial Aid and Student Employment with multiple levels of review, including the University Audit Office. Based on results of procedures performed, no reportable findings were noted in the current year.

2015 - 004 Non – Compliance with Timely and Accurate Student Enrollment Change Submissions to the National Student Loan Data System (NSLDS)

Department of Education Student Financial Aid Cluster
CFDA 84.007 Federal Supplemental Educational Opportunity Grants

CFDA 84.038 Federal Perkins Loan Program

CFDA 84.063 Federal Pell Grant Program

CFDA 84.268 Federal Direct Loan Program

Condition:

A sample size of 60 students who withdrew from the University either prior to or after the student began attendance, or graduated were reviewed. Of the 60 students requiring notification of the enrollment change to NSLDS, 19 students were input using incorrect effective dates of withdrawal which resulted in 2 students not being reported to NSLDS within the required timeframe. In addition, 2 students which had accurate effective dates were not reported to NSLDS within the required timeframe. The reporting occurred from 66 to 96 days after the effective date.

Status:

A formal policy has been implemented and level of review over determining effective dates for NSLDS for all in-term withdrawals through the Office of the University Registrar. However, this is a repeat finding in 2016 because current year testing identified that between-term withdrawals were not being reviewed. See current year finding 2016-003.



Management Views and Corrective Action Plan Year Ended June 30, 2016

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 Plan:

Finding Number 2016-001: 001 Non - Compliance with Requirements Prior to Disbursement

Summary of Finding:

In accordance with 34 CFR section 685.304, a school must ensure that entrance counseling is conducted with each Federal Direct Loan student borrower prior to making the first disbursement.

Pricewaterhouse Coopers (PwC) reviewed a sample of 60 students who were disbursed Federal Direct Loans. One student of the 60 did not have evidence of completed entrance counseling prior to disbursement. There were no questioned costs.

PwC recommends that the University ensure that individuals involved in the process receive additional training to help enable a better understanding of the process of manually documenting entrance counseling status. In addition, the University should develop a level of review over all manual changes to the checklist within the student's electronic file, to ensure that the student is appropriately updated based on the existence of supporting documentation.

Corrective Action Plan:

Management agrees with the importance of ensuring that entrance counseling is completed prior to disbursing federal loan funds. After the audit identifying Finding Number 2015-001, staff worked to identify and address any additional cases. Unfortunately, the query used for this review went back only to those who initially enrolled since 2013, and in the case identified in this audit the original enrollment was in 2010. A subsequent query was run and data reviewed on students back to 2010. This manager also found that we needed to expand our checklist status review.

Management will continue to ensure that entrance counseling is completed prior to disbursement of federal loans and has undertaken the following actions:

- In September 2016, the Office of Financial Aid and Student Employment implemented additional entrance counseling functionality in PeopleSoft, eliminating the reliance on potentially old and incorrect data previously reflected on the entrance counseling checklist item.

- The Office of Financial Aid and Student Employment has provided updated training to staff.
- Management will develop a protocol for the Associate Director to discuss the proposed criteria/limits being used to select the data population for review.

Responsible individuals: Director of Financial Aid and Student Employment
 Associate Vice Provost for Enrollment

2016 – 002 Non - Compliance with Requirements for Verification

Summary of Finding:

In accordance with 34 CFR sections 668.56 and 668.57, for each award year, the Secretary publishes in the Federal Registrar notice the FAFSA information, which the University and a student may be required to verify. If a student is selected for verification, a school must obtain the specified documentation.

PwC reviewed a sample of 25 students selected for verification at the Ithaca campus. Of the 25 students, two student files did not include the required documentation for verification. One student file was missing the parent's IRS transcript and one student file was missing the student's non-filing statement or IRS transcript. There were no questioned costs.

PwC recommends that the University implement a level of review over completed verifications to ensure that all required documentation has been obtained, any discrepancies have been appropriately resolved, and an appropriate verification conclusion is reached. Also, those performing verification procedures should be reminded of the need for and importance of maintaining all relevant documentation in the student's file.

Corrective Action Plan:

Management agrees with the importance of collecting and reviewing all required verification documents for students who have been selected for verification. Management has undertaken the following actions:

- In September 2016, the Office of Financial Aid hired a staff person to oversee all aspects of the federal verification process, including performing a secondary review of a random selection of files that require federal verification. This review confirms that all required documentation was received and is accurately reflected in the student's file.
- Additional verification training has been provided to all staff members who perform verification reviews.
- Procedures used during file reviews have been updated to better identify the areas impacted by federal verification requirements.

Responsible individuals: Director of Financial Aid and Student Employment
Associate Vice Provost for Enrollment

2016 - 003 Non – Compliance with Timely and Accurate Student Enrollment Change Submissions to the National Student Loan Data System (NSLDS)

Summary of Finding:

In accordance with 2 CFR 685.309, schools are required to confirm and report to the NSLDS the enrollment status of students who receive Federal student loans. Enrollment reporting in a timely and accurate manner is critical for effective management of the programs. Enrollment information must be reported within 30 days whenever attendance changes for a student, unless an Enrollment reporting roster will be submitted within 60 days. These changes include reductions or increases in attendance levels, withdrawals, graduations, or approved leaves of absence.

PwC reviewed a sample of 60 students from the Ithaca campus who graduated or withdrew from the University either prior to or after the student began attendance. Of the 60 students requiring notification of the enrollment change to NSLDS, seven students were reported to NSLDS either inaccurately or untimely. Of the seven students, four students were input using incorrect effective dates of withdrawal, which resulted in students not being reported to NSLDS within the required timeframe. One student was reported using an incorrect effective date and status as withdrawn when the student had graduated. In addition, two students with accurate effective dates were not reported to NSLDS within the required timeframe. The reporting occurred from 65 to 66 days after the effective date. This is a repeat of prior year finding, 2015-004.

PwC recommends that the University amend its formal policy to include withdrawal of students between school terms. In addition, those who process status changes should be offered additional training over the timeliness and accuracy of reporting status changes. In addition, for all students who withdrew between terms, management should ensure that remaining reporting was completed properly and updates were made if necessary for each student.

Corrective Action Plan:

Management agrees with the recommendations for additional training and for greater oversight of withdrawal dates for students who withdraw between terms. We have established the following action plan:

- The Office of the University Registrar will increase the number of training opportunities for college registrars and staff in their offices. This will be achieved by conducting required training sessions each semester, in addition to updates at the monthly college registrar meetings.

The Associate Registrar for Compliance will conduct the sessions, which will begin in January 2017.

- The Withdrawal Date Approval Policy and Process document includes information for the processing of between-term withdrawals. This document will be reviewed during the ongoing training sessions.
- The Associate Registrar for Compliance will review withdrawal dates entered in the student information system (PeopleSoft) for all students, including those who withdraw between terms. The review will occur weekly throughout the year. When incorrect or unapproved dates are identified, college registrars will be notified and students' records will be corrected.

Responsible Individual: University Registrar

Signed,

A handwritten signature in black ink, appearing to read 'C. Kim Yeoh', with a long horizontal stroke extending to the right.

C. Kim Yeoh
Interim University Controller