

Independent Auditors' Reports as Required by Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, and Government Auditing Standards, and Related Information

Year ended June 30, 2019

Independent Auditors' Reports as Required by Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, and Government Auditing Standards, and Related Information

Year ended June 30, 2019

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Independent Auditors' Report

The Board of Directors
The Research Foundation for The State University of New York:

Report on the Financial Statements

We have audited the accompanying financial statements of The Research Foundation for The State University of New York, which comprise the balance sheet as of June 30, 2019, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

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

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our 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 financial statements are free from material misstatement.

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

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

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The Research Foundation for The State University of New York as of June 30, 2019, and the changes in its net assets and its cash flows for the year then ended in accordance with U.S. generally accepted accounting principles.



Emphasis of Matter

As discussed in note 2(o) to the financial statements, in 2019, The Research Foundation for The State University of New York adopted Accounting Standards Update (ASU) No. 2016-14, Not-for-Profit Entities (Topic 958): Presentation of Financial Statements of Not-for-Profit Entities. Our opinion is not modified with respect to this matter.

Report on Summarized Comparative Information

We have previously audited The Research Foundation for the State University of New York's 2018 financial statements, and we expressed an unmodified opinion on those audited financial statements in our report dated October 23, 2018. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30, 2018 is consistent, in all material respects, with the audited financial statements from which it has been derived before the adjustments to adopt ASU 2016-14. As part of our audit of the 2019 financial statements, we also audited the adjustments described in note 2(o) that were applied to adopt ASU 2016-14 retrospectively in the 2018 financial statements. In our opinion, such adjustments are appropriate and have been properly applied.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated October 7, 2019 on our consideration of The Research Foundation for The State University of New York'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. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of The Research Foundation for The State University of New York's 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 Research Foundation for The State University of New York's internal control over financial reporting and compliance.



October 7, 2019

Balance Sheets June 30, 2019 and June 30, 2018

Assets		2019	2018
Current Assets:			
Cash and cash equivalents	\$	5,548,735	432,536
Accounts receivable, net		230,357,565	209,871,576
Advances to others		14,208,454	10,937,904
Investments		380,428,084	340,255,543
Due from broker for securities sold		4,000,000	14,400,029
Other current assets		912,200	1,737,941
Total current assets		635,455,038	577,635,529
Noncurrent Assets:			
Investments		33,556,671	26,799,124
Fixed assets, net		496,053,812	343,657,395
Intangible assets, net		16,076,728	28,614,864
Other noncurrent assets		7,592,355	7,191,234
Total noncurrent assets		553,279,566	406,262,617
Total assets	\$	1,188,734,604	983,898,146
Liabilities and Net Assets		_	
Current Liabilities:			
Accounts payable and accrued expenses	\$	109,150,920	83,971,739
Accrued compensation	•	17,342,617	15,415,924
Accrued leave		29,574,780	29,757,428
Deferred revenue		268,657,394	281,153,813
Deposits held for others		26,498,267	27,343,861
Current portion of capital lease obligations		17,052,981	15,711,800
Current portion of long-term debt		1,005,714	1,000,714
Line of credit		17,800,000	31,780,000
Total current liabilities		487,082,673	486,135,279
Noncurrent Liabilities:			
Post-retirement benefit obligation		137,322,551	98,510,093
Other deferred revenue		264,776,926	88,676,935
Capital lease obligations, net of current portion		218,179,132	235,232,113
Long-term debt, net of current portion		7,362,143	8,367,857
Other liabilities	,	8,184,254	7,645,333
Total noncurrent liabilities		635,825,006	438,432,331
Total liabilities		1,122,907,679	924,567,610
Net assets:			
Without donor restrictions		53,423,193	51,351,383
With donor restrictions		12,403,732	7,979,153
Total net assets		65,826,925	59,330,536
Total liabilities and net assets	\$	1,188,734,604	983,898,146

See accompanying notes to financial statements.

Statement of Activities

Year ended June 30, 2019 (with summarized comparative information for the year ended June 30, 2018)

	_	Without Donor Restrictions	With Donor Restrictions	2019 Total	2018 Total
Revenue:					
Grants for research and other sponsored activities:					
Federal	\$	319,927,227	4,200,000	324,127,227	315,011,268
Federal flow through New York State		106,275,794 127,024,167	-	106,275,794 127,024,167	116,144,835 122,753,297
Private and other		227,402,111	- -	227,402,111	208,483,429
Total grants for research and other sponsored activities		780,629,299	4,200,000	784,829,299	762,392,829
Indirect cost recoveries:					
Federal		95,270,565	-	95,270,565	90,980,184
Federal flow through		24,323,921	-	24,323,921	25,515,430
New York State		9,068,532	-	9,068,532	10,298,100
Private and other	_	17,517,137		17,517,137	13,144,789
Total indirect cost recoveries		146,180,155	-	146,180,155	139,938,503
Other research-related income:					
Inventions and licenses income		8,353,202	-	8,353,202	7,854,836
Third party service center		10,430,654	-	10,430,654	10,510,748
Agency fees Fixed price awards		7,029,653 7,493,907	-	7,029,653 7,493,907	8,054,785 6,055,515
Institutional support funding		38,591,172	<u>-</u>	38,591,172	61,939,953
Other		831,296		831,296	1,179,501
Total other research-related income		72,729,884	-	72,729,884	95,595,338
Investment income, net		20,634,550	424,579	21,059,129	15,660,556
Net assets released from restrictions	_	200,000	(200,000)		
Total revenue	_	1,020,373,888	4,424,579	1,024,798,467	1,013,587,226
Expenses:					
Sponsored programs and other activities		779,552,065	-	779,552,065	770,564,300
Indirect administrative and support expenses		140,780,682	-	140,780,682	155,972,593
Other research-related expenses	_	42,071,482		42,071,482	22,764,399
Total expenses	_	962,404,229		962,404,229	949,301,292
Change in net assets from revenue and expenses		57,969,659	4,424,579	62,394,238	64,285,934
Changes in net assets related to postretirement		(55,897,849)	-	(55,897,849)	20,611,668
Change in net assets		2,071,810	4,424,579	6,496,389	84,897,602
Net assets (deficit) at beginning of year	_	51,351,383	7,979,153	59,330,536	(25,567,066)
Net assets at end of year	\$ _	53,423,193	12,403,732	65,826,925	59,330,536

See accompanying notes to financial statements.

Statements of Cash Flows

Years ended June 30, 2019 and 2018

	2019	2018
Cash flows from operating activities:		
Federal grants and contracts	\$ 533,546,769	547,097,929
State and local grants and contracts	310,177,858	266,207,661
Private gifts and grants	223,237,674	232,937,012
Other receipts	249,686,610	274,970,561
Salaries and wages payments	(408,923,617)	(408,027,926)
Employee benefits payments	(142,880,392)	(142,795,293)
Payments to suppliers and vendors	(433,821,474)	(460,924,950)
Operating interest and dividends	4,973,362	3,676,861
Distribution from BSA partnership	2,426,210	2,370,000
Interest payments on capital debt and notes	(20,653,811)	(21,758,536)
Other payments	 (89,348,614)	(83,170,185)
Net cash provided by operating activities	228,420,575	210,583,134
Cash flows from investing activities:		
Proceeds from sales of investments	349,889,559	247,542,913
Purchases of investments	(373,172,214)	(392,246,455)
Proceeds from sales of fixed assets	313,500	3,070,365
Cash paid for purchases of fixed and intangible assets	 (169,642,706)	(62,365,048)
Net cash used in investing activities	 (192,611,861)	(203,998,225)
Cash flows from financing activities:		
Principal payments on long-term debt and capital lease obligations	(16,712,514)	(14,877,529)
Proceeds from new long-term debt borrowings	-	5,500,000
Proceeds from line of credit	71,873,593	106,596,994
Payments on line of credit	 (85,853,594)	(103,522,438)
Net cash used in financing activities	(30,692,515)	(6,302,973)
Net increase in cash and cash equivalents	5,116,199	281,936
Cash and cash equivalents, beginning of year	 432,536	150,600
Cash and cash equivalents, end of year	\$ 5,548,735	432,536

See accompanying notes to financial statements.

Notes to Financial Statements June 30, 2019 and 2018

(1) Organization

The Research Foundation for The State University of New York (RF) is the largest comprehensive university-connected research foundation in the country. It serves The State University of New York (SUNY) by providing an infrastructure of talent, services, and technology that empower SUNY to research, innovate, and transfer discoveries that transform the world's knowledge economy.

The RF works with the academic and business leadership of SUNY to support research and discovery through administration of sponsored projects and technology transfer and management of intellectual property for public benefit and economic growth. It enables faculty to write and submit grant proposals; establish contracts and manage funding awarded to run campus-based research projects; and protect and commercialize intellectual property created within those projects.

The RF comprises a central office and operating units at 30 state-operated campuses across New York State and is governed by an independent board of directors. The RF was chartered in 1951 by the New York State Board of Regents as a nonprofit education corporation.

(2) Summary of Significant Accounting Polices

(a) Basis of Presentation

The accompanying financial statements of the RF are presented consistent with Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) Topic 958, *Not-for-Profit Entities*.

The financial statements include certain prior-year summarized comparative information in total but not by net asset class. Accordingly, such information should be read in conjunction with the RF's financial statements for the year ended June 30, 2018, from which the summarized information was derived.

(b) Use of Estimates

The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make significant estimates and assumptions that affect the reported amounts of liabilities and net assets and disclosures of contingencies as of the dates of the financial statements and the reported amounts of change in net assets during the reporting periods. The most significant areas which are affected by the use of estimates include allowances for doubtful receivables, valuation of certain investments measured at net asset value, commitments and contingencies, useful lives and valuation of long-lived assets, and certain actuarial assumptions that affect the postretirement benefit obligation. Actual results could differ from those estimates and the differences between estimates and actual results could be significant.

(c) Net Asset Classes

The accompanying financial statements present information regarding the RF's balance sheet and activities according to two classes of net assets: without donor restrictions and with donor restrictions.

Without donor restrictions: net assets are not subject to donor stipulations restricting their use but may be designated for specific purposes by the RF or may be limited by contractual agreements with outside parties.

Notes to Financial Statements June 30, 2019 and 2018

With donor restrictions: net assets are subject to donor stipulations that expire with the passage of time, can be fulfilled by actions pursuant to the stipulations, or which may be perpetual.

The RF has two \$10 million endowment grants from the National Institute on Minority Health and Health Disparities (NIMHD), which are to be paid to the RF over the first five-year periods of each grant. The endowments are invested on behalf of the RF by the University at Albany Foundation (UAF) and the Health Science Center at Brooklyn Foundation, Inc. (HSCBF) under long-term service agreements. As of June 30, 2019 and 2018, the fair value of the funds was \$12.4 million and \$8.0 million, respectively. Under these grants, the endowment returns are to be used to facilitate minority health and health disparities research.

Aside from the NIHMD endowment balances, the RFs net assets have no other donor-imposed restrictions.

(d) Revenue Recognition

Grants awarded for research and other sponsored activities represent funding derived from grants, cost reimbursement contracts, and cooperative agreements that provide for the recovery of direct and indirect costs, and are subject to sponsor audit. Revenue from grants and contracts awarded for research and other sponsored activities is recognized as the activities required under the grants or contracts are performed, with performance generally measured based on direct costs incurred. Amounts received in excess of revenue recognized are recorded as deferred revenue. Recoveries of indirect costs provided from grants and contracts are recorded as revenue in the year in which the costs are eligible for reimbursement.

Investment income or loss includes dividends and interest, realized and unrealized gains and losses, and earnings from the RF's share in the Brookhaven Science Associates partnership (see note 3c). Purchases and sales of securities are recorded on a trade-date basis. Dividend income is recorded on the ex-dividend date. Interest income is recorded on the accrual basis of accounting. The average original purchase price of securities is used to determine the basis for computing realized and unrealized gains or losses.

Inventions and licenses income consists of royalties received from licenses and is recognized on the accrual basis. The income is distributed based on SUNY's Patents and Inventions Policy which governs the apportionment of income to inventors and campuses. Campus expenditures of their shares of the income (which fall under the provisions of the Bayh-Dole Act), and inventors' shares are reflected in the RF's inventions and licenses expenses.

Other research-related income is recognized on the accrual basis and primarily consists of third-party service center revenue, nonsponsored income from activities such as proceeds from the sale of equipment, and fees earned for administering human resources, payroll, purchasing and payables services to university-related organizations, such as foundations or clinical practice plans.

Notes to Financial Statements June 30, 2019 and 2018

(e) Cash Equivalents

Cash equivalents include short-term, highly liquid investments with an original maturity of three months or less at the time of purchase, exclusive of amounts classified as investments. Cash equivalents are stated at fair value and are considered a Level 1 financial asset as defined in note 5.

(f) Accounts Receivable

Accounts receivable includes:

- Deficit balances from sponsored program activity that result when spending occurs in advance of when funds are received;
- (2) Deficit balances from service centers that are established and maintained to provide a specific service to sponsored programs and other users, recognized as rates are periodically adjusted to reflect actual expenses of those centers; and
- (3) Amounts billed and due from external sources of funding for other research-related income.

Accounts receivable is reported net of an allowance for doubtful accounts. The RF's allowance for doubtful accounts as of June 30, 2019 and 2018 was \$28.1 million and \$29.3 million, respectively.

Accounts receivable, net of the allowance for doubtful accounts, is summarized as follows as of June 30:

	-	2019	2018
Accounts receivable:			
Federal	\$	46,609,039	51,973,386
Federal flow through		65,480,405	50,866,614
New York State		89,445,556	72,726,150
Private and other	<u>-</u>	28,822,565	34,305,426
	\$	230,357,565	209,871,576

(g) Investments

Investments are reported at fair value, which is generally the price that would be received from selling an asset in an orderly transaction between market participants at the measurement date. Certain investments in limited liability partnerships and corporations are measured at net asset value or its equivalent as a practical expedient to estimating fair value.

Notes to Financial Statements June 30, 2019 and 2018

(h) Fixed and Intangible Assets

Fixed and intangible assets are stated at cost, net of accumulated depreciation and amortization, and are depreciated on a straight-line basis over the estimated useful lives of the assets. Using historical and industry experience, estimated useful lives, with the exception of land, range from five to 50 years. The RF monitors its long-lived assets for impairment. If an indication of impairment is identified, the RF would perform the required analysis and, if applicable, it would record impairment charges.

Upon sale or retirement of capitalized assets, both the cost and the related accumulated depreciation and amortization are removed from the accounts and a gain or loss is recorded. Depreciation and amortization expense for the years ended June 30, 2019 and 2018 was \$56.8 million and \$60.5 million, respectively.

The title to equipment purchased using sponsored funds is generally retained by the grantor institution until such time final disposition is determined. Accordingly, purchases of equipment charged to the respective grant or contract are not capitalized, except for equipment or infrastructure purchased under a sponsored program for the purpose of economic development and for which title is retained by the RF.

(i) Deferred Revenue

Deferred revenue includes:

- (1) Surplus balances from sponsored program activity that result when funds are received in advance of spending, recognized into revenue under the terms of the sponsored program;
- (2) Purchases of capitalized equipment or intangible assets under sponsored programs related to economic development, recognized into revenue over the life of the asset;
- (3) Surplus balances from service centers that are established and maintained to provide a specific service to sponsored programs and other users, recognized as rates are periodically adjusted to reflect actual expenses of those centers.

Amounts estimated to be realized over a period greater than one year are reflected in noncurrent deferred revenue on the balance sheets and primarily stem from capitalized equipment and intangible assets purchased under sponsored programs related to economic development.

(j) Accrued Leave

RF employees are granted vacation and sick leave in varying amounts. In the event of termination or retirement, an employee is reimbursed for accumulated vacation up to a maximum of 30 days. Employees are not reimbursed for accumulated sick leave at termination; however, upon retirement up to 200 days of accumulated sick leave is considered in the computation of retirement benefits. Included in the leave accrual is an accrual for the net obligation under the sick leave benefit amounting to \$2.8 million and \$2.6 million as of June 30, 2019 and 2018, respectively.

Notes to Financial Statements
June 30, 2019 and 2018

(k) Postretirement Benefit Obligation

The RF has a defined medical benefit postretirement plan covering substantially all of its nonstudent eligible employees upon their retirement. The RF's postretirement obligations are based on calculations that incorporate various actuarial and other assumptions, including discount rates, mortality, assumed rates of return on plan assets, compensation increases, turnover rates, and healthcare cost trend rates. The RF reviews its assumptions on an annual basis and makes modifications to the assumptions based on current rates and trends when it is appropriate to do so. The effect of modifications to those assumptions is recorded in other changes to net assets and amortized to net periodic cost over future periods using the 10% corridor method. The net periodic costs are recognized as employees render the services necessary to earn the postretirement benefits.

The RF maintains a Voluntary Employee Benefit Association (VEBA) trust for the postretirement benefit plan. The assets held in the VEBA trust reduce the accumulated postretirement benefit obligation, as reported on the accompanying balance sheets.

(I) Fair Value of Financial Instruments

The carrying amounts of accounts receivable, other current assets, accounts payable and accrued expenses, and deposits held for others approximate fair value due to the short duration of these financial instruments. See notes 5 and 6 for additional information regarding fair value considerations with respect to investments, deferred compensation assets and interest rate swap on outstanding bonds.

(m) Tax Status

The RF is a not-for-profit corporation and has been determined by the Internal Revenue Service to be an organization described in Internal Revenue Code (IRC) Section 501(c)(3) and, therefore, is exempt from federal income taxes on related income pursuant to Section 501(a) of the Code.

The RF recognizes the effects of income tax positions only if those positions are more likely than not to be sustained.

Management has determined there are no uncertain tax positions as of June 30, 2019 and 2018. The RF is subject to routine audits by taxing jurisdictions, and believes that it is no longer subject to income tax examinations for years prior to the year ended June 30, 2016.

(n) Other Information

Advances to others and deposits held for others represent amounts related to agency activity at the campus and affiliated organization locations.

Various SUNY employees perform work on RF sponsored grants. SUNY pays these employees directly, and is reimbursed by the RF monthly. The related amounts due to SUNY are included in accrued compensation and consist of both a known and estimated component. The total liability to SUNY at June 30, 2019 and 2018 is approximately \$7.3 million and \$6.0 million, respectively.

Notes to Financial Statements
June 30, 2019 and 2018

(o) Recent Accounting Pronouncements

During the year ended June 30, 2019, the RF adopted ASU No. 2016-14 – *Not-for-Profit Entities (Topic 958): Presentation of Financial Statements of Not-for-Profit Entities.* This guidance is intended to improve the net asset classification requirements and the information presented in the financial statements and notes about a not-for-profit entity's liquidity, financial performance, and cash flows. The main provisions of this guidance applicable to the RF include disclosure of liquidity and availability, presentation of net assets as with and without donor restriction, and disclosure of expenses by both their natural and functional classification. The presentation of net assets, as explained in note 2(c), provides a breakout between net assets with and without donor restrictions. Net assets were previously presented as available for operations and reserved for future post retirement benefits. Endowment funds have been reclassified to net assets with donor restrictions; see note 2(c) for additional information.

(p) Reclassifications

Certain 2018 amounts have been reclassified to conform to the 2019 presentation.

(3) Liquidity and Availability

As of June 30, 2019, financial assets and liquidity resources available within one year for general expenditure, such as operating expenses, and scheduled principal payments on debt, were as follows:

Cash and cash equivalents	\$ 5,548,735
Accounts receivable, net	230,357,565
Investments	380,428,084
Due from broker for securities sold	4,000,000
Total financial assets available within one year	\$ 620,334,384

The RF's annual cash flows are dependent on spending, billing and collections on thousands of individual sponsored awards across 30 campus locations. Cash-basis direct sponsored program spending, including capital equipment purchases, aggregated \$911.0 million during the year ended June 30, 2019.

To help manage liquidity, the RF's investment policy ensures the RF has access to funds, as needed, during the year through allocations to readily redeemable cash equivalent funds, mutual funds, and exchange traded funds (see note 5). Additionally, the RF maintains lines of credit of \$65.0 million (see note 11) that is drawn upon as needed during the year to manage cash flow.

Notes to Financial Statements June 30, 2019 and 2018

(4) Affiliated Organizations

The RF has established partnerships to accelerate the growth of sponsored program and applied research opportunities at SUNY. Unless otherwise noted, these organizations are not controlled by or significantly influenced by the RF and do not impact the RF's financial statements. The affiliated organizations are as follows:

(a) BioBAT, Inc.

BioBAT, Inc. is a private, not-for-profit corporation formed by the RF (acting on behalf of SUNY Downstate Medical Center) and the New York City Economic Development Corporation (on behalf of the City of New York) to develop the Brooklyn Army Terminal into a site for biotechnology and biopharmaceutical manufacturing, and research.

(b) Broad Hollow Bioscience Park, Inc.

Broad Hollow Bioscience Park, Inc. is a not-for-profit corporation formed by the RF (acting on behalf of Farmingdale State College) and Cold Spring Harbor Laboratory to operate an incubator facility on the Farmingdale State campus. Its purpose is to assist in the economic development of the region by attracting public and private funds to further biotechnology development through the commercialization of new technologies and the creation of new companies and jobs.

(c) Brookhaven Science Associates, LLC

Brookhaven Science Associates, LLC (BSA) is a limited liability company formed by the RF (acting on behalf of Stony Brook University) and Battelle Memorial Institute (Battelle). In 1998, the U.S. Department of Energy selected BSA to operate Brookhaven National Laboratory. BSA net earnings are allocated 50% each to Battelle and the RF.

The accompanying financial statements of the RF include its share of the net earnings of BSA based on the operating results for its years ended September 30, 2018 and 2017. The RF records distributions received as a reduction of the investment balance.

(d) Buffalo 2020 Development Corporation

Buffalo 2020 Development Corporation was formed by the RF (acting on behalf of University at Buffalo) and FNUB, Inc., a subsidiary of the University at Buffalo Foundation, to enable the purchase, development, and construction of research-based facilities and infrastructure on University at Buffalo property on the downtown Buffalo, New York campus. These facilities will support the research, academic and economic development mission of the SUNY campus at Buffalo.

(e) CUBRC, Inc.

CUBRC, Inc. is a private, not-for-profit corporation formed by the RF (acting on behalf of the University at Buffalo) and other foundations. CUBRC, Inc.'s mission is to leverage the capabilities of scientists from academia and industry to provide economic opportunities in Western New York. CUBRC, Inc. competes for research programs that would not otherwise be available to the University at Buffalo.

Notes to Financial Statements June 30, 2019 and 2018

(f) Downstate Technology Center, Inc.

Downstate Technology Center, Inc. is a private, not-for-profit corporation formed by the RF (acting on behalf of SUNY Downstate Medical Center) and the Health Science Center at Brooklyn Foundation, Inc. to provide for the construction of an advanced biotechnology incubator adjacent to the SUNY Downstate Medical Center. The facility seeks to advance medical research, provide incubator space and assist in the economic development of the Borough of Brooklyn.

(g) Empire Discovery Institute

Empire Discovery Institute (EDI) is a private, not-for-profit corporation, formed by the RF (acting on behalf of the University at Buffalo), along with the University of Rochester, and Roswell Park Comprehensive Cancer Center. EDI was established to provide infrastructure, funding and cross-institutional support for science research and education as well as scientific business ventures.

(h) Fort Schuyler Management Corporation

Fort Schuyler Management Corporation (FSMC) is a private, not-for-profit corporation, formed by the RF and the SUNY Polytechnic Institute Foundation. FSMC's objectives are to facilitate research and economic development activities of SUNY by purchasing, constructing, developing and managing research focused facilities on behalf of SUNY Poly at locations in Utica, Buffalo and various locations in New York State.

(i) Fuller Road Management Corporation

Fuller Road Management Corporation (FRMC) is a private, not-for-profit corporation formed by the RF and the SUNY Polytechnic Institute Foundation. FRMC provides for the construction of research facilities at SUNY Poly to promote research and development of early and late stage companies, and the creation of jobs, and the development of the region's economy.

(j) Long Island High Technology Incubator

Long Island High Technology Incubator (LIHTI) is a private, not-for-profit corporation formed by the RF (acting on behalf of Stony Brook University) and the Stony Brook Foundation, Inc. LIHTI's mission is the development of new high-technology companies.

(k) New York Genome Center

New York Genome Center (NYGC) is a private, not-for-profit corporation formed by the RF (acting on behalf of Stony Brook University) and other New York-based universities and academic medical centers. The RF participates in NYGC as an Institutional Founding Member. The mission of NYGC is to transform medical research and clinical care in and around New York City through the creation of what will become one of the largest genomics and bioinformatics facilities in North America.

Notes to Financial Statements
June 30, 2019 and 2018

(I) U.S. Photovoltaic Manufacturing Consortium, Inc.

The Photovoltaic Manufacturing Consortium (PVMC) is a private, not-for-profit corporation, formed by the RF (acting on behalf of SUNY Poly) and Sematech, Inc. to facilitate an industry-led consortium for cooperative research and development among industry, university, and government partners to accelerate the development, commercialization, and manufacturing of next-generation solar photovoltaic systems.

(5) Fair Value Measurements

Except for investments reported at net asset value (NAV) or its equivalent as a practical expedient to estimate fair value, fair value is measured using three levels as described below:

Level 1: Inputs are unadjusted quoted market prices in active markets for identical assets or liabilities that are assessable at the measurement date.

Level 2: Inputs are other than quoted prices in active markets that are observable either directly or indirectly and fair value is determined through the use of models or other valuation methodologies.

Level 3: Inputs used in valuation are unobservable.

The following is a description of the valuation methodologies used for investments measured at fair value:

Mutual funds and exchange traded funds are reported at current quoted fair values as of the balance sheet date.

Investments in limited liability partnerships and corporations represent investments measured at NAV or its equivalent and consist of a diversified portfolio of hedge funds of funds, real estate, domestic and foreign equity funds, fixed income securities and private equity funds in various investment vehicles. These investments, which are not exchange traded, do not have readily determinable fair values. These investments are typically redeemable at NAV under the terms of the investment agreements. Estimates of fair value that are made using NAV per share or its equivalent as a practical expedient are not categorized in the fair value hierarchy.

Investments in pooled endowment portfolios are reported at the NAV of the RF's interest in the portfolios as a practical expedient to estimate fair value. The pooled endowments use diversified investment approaches incorporating multiple asset classes, strategies and managers, including alternative investment funds involving hedged and private equity strategies.

The preceding methods may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the RF believes its valuation methodologies are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine fair value of certain financial instruments could result in a materially different fair value measurement at the reporting dates.

Notes to Financial Statements June 30, 2019 and 2018

The following tables summarize, as of June 30, 2019 and 2018, the RF's investments as well as the liquidity redemption and notification provisions:

	2019						
	Total	Level 1	Level 2	Level 3	Redemption frequency	Days notice	
Investments:							
Cash equivalents	\$ 116,517,230	116,517,230	_	_	Daily	1	
Mutual and exchange traded funds:							
U.S. government fixed income	43,813,804	43,813,804	_	_	Daily	1	
U.S. equities	32,138,137	32,138,137	_	_	Daily	1	
Foreign equities	17,547,889	17,547,889	_	_	Daily	1-15	
Real estate	19,086,560	19,086,560	_	_	Daily	1	
U.S. equities	116,168	116,168	_	_	Daily	4	
Investments measured at NAV or its equivalent:							
Absolute multistrategy return	39,567,828	_	_	_	Monthly/Quarterly	45 to 95	
Credit securities	8,206,403	_	_	_	Monthly/Quarterly	30 to 45	
Global equities	45,701,825	_	_	_	Mthly/Qtrly/Annly	30 to 90	
Hedged equities	57,732,240	_	_	_	Quarterly	90	
Private equity	17,839,924	_	_	_	See (a) below	N/A	
Pooled endow ments	12,403,732				See (b) below	N/A	
Total investments at fair							
value	410,671,740	229,219,788	_	_			
Investment in BSA partnership	3,313,015				. NA	N/A	
Total investments	\$ 413,984,755	229,219,788		_			

Notes to Financial Statements
June 30, 2019 and 2018

	2018					
	Total	Level 1	Level 2	Level 3	Redemption frequency	Days notice
Investments:						
Cash equivalents	\$ 130,179,440	130,179,440	_	_	Daily	1
Mutual and exchange traded funds:						
U.S. government fixed income	43,838,504	43,838,504	_	_	Daily	1
U.S. equities	22,660,997	22,660,997	_	_	Daily	1
Absolute multistrategy return	1,105,483	1,105,483	_	_	Daily	1
Foreign equities	17,858,201	17,858,201	_	_	Daily	1-15
Real estate	12,922,289	12,922,289	_	_	Daily	1
U.S. equities	213,848	213,848	_	_	Daily	4
Investments measured at NAV or its equivalent:						
Absolute multistrategy return	27,184,338	_	_	_	Monthly/Quarterly	45 to 95
Credit securities	14,760,829	_	_	_	Monthly/Quarterly	30 to 45
Global equities	29,117,560	_	_	_	Mthly/Qtrly/Annly	30 to 90
Hedged equities	40,414,054	_	_	_	Quarterly	90
Private equity	15,559,184	_	_	_	See (a) below	N/A
Pooled endow ments	7,979,153			_	See (b) below	N/A
Total investments at fair						
value	363,793,880	228,778,762	_	_		
Investment in BSA partnership	3,260,787				. NA	N/A
Total investments	\$ 367,054,667	228,778,762			•	

- (a) Private equity fund investments include noncontrolling shares or interests in funds where the controlling general partner serves as the investment's manager. Such investments are generally not eligible for redemption from the fund or general partner, but can potentially be sold to third-party buyers in private transactions. It is the intent of the RF to hold these investments until the fund has fully distributed all proceeds to the investors.
- (b) Under the service agreements with UAF and HSCBF, investment accounts were established at UAF and HSCBF with the funds received by the RF under the NIMHD grants, as described in note 2(c). These investment accounts are treated as term endowments with the corpus not to be expended for at least 20 years and with an annual distribution of fund income for programmatic spending by the RF. The terms of the UAF and HSCBF agreements are through March 31, 2046 and December 31, 2042, respectively, with further extension possible at the discretion of the parties.

There has been no transfer activity among levels for investments during fiscal years 2019 and 2018. The RF has unfunded commitments to private equity investments as of June 30, 2019 of approximately \$22.9 million.

Notes to Financial Statements June 30, 2019 and 2018

(6) Other Assets and Other Liabilities

Other assets and liabilities consist of the following at June 30:

		2019	2018
Other assets:			
Current:			
Royalties receivable	\$	710,000	1,660,000
Miscellaneous		202,200	77,941
Total other current assets	_	912,200	1,737,941
Noncurrent:			
Deferred compensation assets		7,592,355	7,191,234
Total other noncurrent assets	_	7,592,355	7,191,234
Total other assets	\$	8,504,555	8,929,175
Other liabilities – noncurrent:			
Deferred compensation obligation	\$	7,592,355	7,191,234
Interest rate swap agreement	_	591,899	454,099
Total other liabilities	\$	8,184,254	7,645,333

The RF maintains a deferred compensation plan established in accordance with Section 457(b) of the IRC. Plan assets are a part of the general assets of the RF, which are subject to claims of creditors of the RF. For the years ended June 30, 2019 and 2018, respectively, the assets consist of mutual funds of approximately \$3.5 million and \$3.3 million, which involve Level 1 inputs under the fair value hierarchy, variable annuities of approximately \$3.0 million and \$2.7 million, which are recorded at NAV, and fully benefit-responsive annuity contracts of approximately \$1.1 million and \$1.2 million, which are recorded at contract value.

As indicated in note 11(b), the RF currently has an interest rate swap on its outstanding bonds. The value of the swap is adjusted, through net assets without donor restrictions, to fair value involving Level 2 inputs under the fair value hierarchy.

Notes to Financial Statements June 30, 2019 and 2018

(7) Fixed Assets

Fixed asset classification	Fixed assets June 30, 2018	Additions	Dispositions/ retirements	Placed in service	Fixed assets June 30, 2019
Building	\$ 6,500,000	_	_	_	6,500,000
Building – capital lease	317,704,048	_	_	_	317,704,048
Research and office equipment	180,393,192	50,260,439	(3,306,807)	43,710,948	271,057,772
Information systems	25,462,324	· · · —		_	25,462,324
Construction in progress	45,674,482	147,721,867	(327,185)	(43,710,948)	149,358,216
Total fixed assets	575,734,046	197,982,306	(3,633,992)		770,082,360
Less accumulated depreciation:					
Building	2,080,000	130,000	_	_	2,210,000
Building – capital lease	109,210,766	19,856,503	_	_	129,067,269
Research and office equipment	95,332,176	25,100,167	(3,143,388)	_	117,288,955
Information systems	25,453,709	8,615			25,462,324
Total accumulated					
depreciation	232,076,651	45,095,285	(3,143,388)		274,028,548
Fixed assets, net	\$ 343,657,395	152,887,021	(490,604)		496,053,812

There is no depreciation expense associated with construction in progress assets as they have not yet been placed in service. Upon being placed in service, the assets, primarily consisting of research equipment, are classified in the appropriate categories above and depreciated over their useful lives.

Notes to Financial Statements June 30, 2019 and 2018

(8) Intangible Assets

Intangible	Intangible assets June 30,		Dispositions/	Intangible assets June 30,
asset classification	2018	Additions	retirements	2019
Technology licenses	\$ 89,200,000	_	_	89,200,000
Capitalized software	18,029,825			18,029,825
Total intangible				
assets	107,229,825			107,229,825
Less accumulated amortization:				
Technology licenses	72,063,000	9,637,000	_	81,700,000
Capitalized software	6,551,961	2,901,136		9,453,097
Total accumulated				
amortization	78,614,961	12,538,136		91,153,097
Intangible assets,				
•	\$28,614,864_	(12,538,136)		16,076,728

The approximate annual amortization of the intangible assets over the next five years is as follows:

Fiscal year ending:	
2020	\$ 7,547,000
2021	4,422,000
2022	1,966,000
2023	1,429,000
2024	713,000

(9) Postretirement Benefit Obligation

(a) Plan Information

The RF sponsors a defined benefit postretirement plan that covers substantially all nonstudent employees. The plan provides postretirement medical benefits and is contributory for employees hired after 1985. Retirees who were hired after 1985 are subject to cost sharing requirements with respect to medical coverage. With respect to dental coverage, retirees must pay the full premium cost of the coverage selected.

Notes to Financial Statements June 30, 2019 and 2018

(b) Plan Funded Status and Related Assumptions

Annual contributions to fund the plan are made by the RF pursuant to a funding policy established by the RF's board of directors. For payment of benefits under the plan, the RF established a VEBA trust with Bank of New York Mellon as the trustee. The VEBA trust held assets of \$248.3 million and \$234.9 million as of June 30, 2019 and 2018, respectively. Current obligations are assumed to be paid out of the trust assets, with the remaining unfunded obligation reflected as a noncurrent liability of the RF. There were approximately 6,800 participants in the plan as of July 1, 2018 and 2017.

The following table sets forth the plan's funded status reconciled with the amount shown in the accompanying financial statements at June 30:

	•	2019	2018
Change in benefit obligation:			
Benefit obligation at beginning of year	\$	333,388,589	351,049,609
Service cost		9,346,090	10,373,062
Interest cost		13,580,235	12,330,180
Plan participants' contributions		1,308,704	1,460,622
Actuarial loss (gain)		39,221,733	(32,416,371)
Benefits paid		(11,268,640)	(9,408,513)
Benefit obligation at end of year		385,576,711	333,388,589
Change in plan assets:			
Fair value of plan assets at beginning of year		234,878,496	217,425,462
Return on plan assets		17,354,429	19,908,336
Employer contributions		5,981,171	5,492,589
Plan participants' contributions		1,308,704	1,460,622
Benefits paid		(11,268,640)	(9,408,513)
Fair value of plan assets at end of year	-	248,254,160	234,878,496
Funded status and amount recognized in balance sheet	\$	(137,322,551)	(98,510,093)
Reserve for future postretirement benefit costs:			
Prior service credit	\$	172,956,304	205,191,027
Net actuarial loss		(183,539,351)	(159,876,225)
Total	\$	(10,583,047)	45,314,802
Weighted average assumptions used to determine	•		
benefit obligation:			
Discount rate at end of year		3.35%	4.05%

Notes to Financial Statements June 30, 2019 and 2018

	_	2019	2018
Components of net periodic benefit cost:	_	_	
Service cost	\$	9,346,090	10,373,062
Interest cost		13,580,235	12,330,180
Expected return on plan assets		(15,976,528)	(14,809,703)
Amortization of:			
Prior service credit		(32,234,723)	(34,475,691)
Actuarial loss	_	14,180,706	17,572,355
Net periodic benefit gain	\$ _	(11,104,220)	(9,009,797)
Weighted average assumptions used to determine net periodic benefit cost:			
Discount rate for the year		4.05%	3.71%
Expected long-term rate of return		7.00	7.00
		2040	2040
		2019	2018
Other changes in plan assets and benefit obligations recognized in net assets without donor restriction:			
Net actuarial (loss) gain Amortization of:	\$	(37,843,832)	37,515,004
Prior service credit		(32, 234, 723)	(34,475,691)
Actuarial loss		14,180,706	17,572,355
Total recognized as (decrease) increase in			
net assets without donor restriction	\$	(55,897,849)	20,611,668

Expected amounts to be amortized from net assets into net periodic benefit cost for fiscal year ending 2020 include prior service credit of \$32.1 million and actuarial loss of \$15.3 million.

Estimated net benefit payments over future years are as follows:

Fiscal year ending:	
2020	\$ 14,611,000
2021	15,611,000
2022	16,842,000
2023	18,024,000
2024	18,931,000
2025–2029	104,687,000

Notes to Financial Statements June 30, 2019 and 2018

For measurement purposes, the initial trend rates vary by coverage. The health maintenance organization rate is 6.50%, the preferred provider organization (PPO) rate is 6.50%, the PPO prescription rate is 9.00%, and administrative fees are 5.00%. Trend rates grade down to an ultimate rate between 4.60% and 5.30% in 2026 and later.

Assumed healthcare cost trend rates have a significant effect on the amounts reported for the healthcare plans. A one-percentage point change in assumed healthcare cost trend rates would have the following effects:

		One-percentage point			
	_	increase	decrease		
Effect on total service and interest cost components	\$	4,273,624	(3,380,819)		
Effect on postretirement benefit obligation		64,331,495	(51,887,694)		

(c) Fair Value of Plan Assets

The following tables summarize as of June 30, 2019 and 2018, the RF's defined benefit postretirement plan's investments held in the VEBA trust, including the redemption and notification provisions. The hierarchy and inputs to valuation techniques used to measure fair value of the plan's investments are outlined above in note 5.

	2019					
-	Total	Level 1	Level 2	Level 3	Redemption frequency	Days' notice
\$	1,501,149	1,501,149	_	_	Daily	1
	25,445,567	25,445,567	_	_	Daily	1
	18,980,303	18,980,303	_	_	Daily	1
	10,776,011	10,776,011	_	_	Daily	1-15
	13,677,953	13,677,953	_	_	Daily	1
	1,077,253	1,077,253	_	_	Daily	1
3						
	24,965,984	_	_	_	Monthly/Quarterly	45 to 95
	59,708,267	_	_	_	Mthly/Qtrly/Annly	30 to 90
	52,304,174	_	_	_	Quarterly	90
_	39,817,499				See note 6(a)	N/A
\$	248,254,160	71,458,236	_	_		
	S -	\$ 1,501,149 25,445,567 18,980,303 10,776,011 13,677,953 1,077,253 \$ \$ 24,965,984 59,708,267 52,304,174 39,817,499	\$ 1,501,149	Total Level 1 Level 2 \$ 1,501,149 1,501,149 — 25,445,567 25,445,567 — 18,980,303 18,980,303 — 10,776,011 10,776,011 — 13,677,953 13,677,953 — 1,077,253 1,077,253 — 24,965,984 — — 59,708,267 — — 52,304,174 — — 39,817,499 — —	Total Level 1 Level 2 Level 3 \$ 1,501,149 1,501,149 — — 25,445,567 25,445,567 — — 18,980,303 18,980,303 — — 10,776,011 10,776,011 — — 13,677,953 13,677,953 — — 1,077,253 1,077,253 — — 24,965,984 — — — 59,708,267 — — — 52,304,174 — — — 39,817,499 — — —	Total Level 1 Level 2 Level 3 Redemption frequency \$ 1,501,149 - - Daily 25,445,567 25,445,567 - - Daily 18,980,303 18,980,303 - - Daily 10,776,011 10,776,011 - - Daily 13,677,953 13,677,953 - - Daily 1,077,253 1,077,253 - - Daily 24,965,984 - - - Mthly/Quarterly 59,708,267 - - - Mthly/Qtrly/Annly 52,304,174 - - - Quarterly 39,817,499 - - - See note 6(a)

Notes to Financial Statements
June 30, 2019 and 2018

		2018					
	_	Total	Level 1	Level 2	Level 3	Redemption frequency	Days' notice
Investments:							
Cash equivalents	\$	7,498,949	7,498,949	_	_	Daily	1
Mutual and exchange traded funds:						-	
U.S. government fixed income		22,220,962	22,220,962	_	_	Daily	1
U.S. equities		14,883,626	14,883,626	_	_	Daily	1
Absolute multistrategy return		3,620,821	3,620,821	_	_	Daily	1
Foreign equities		16,184,310	16,184,310	_	_	Daily	1-15
Real estate		10,949,769	10,949,769	_	_	Daily	1
Hedged equities		2,890,496	2,890,496	_	_	Daily	1
Investments measured at NAV or its equivalent:							
Absolute multistrategy return		20,403,378	_	_	_	Monthly/Quarterly	45 to 95
Global equities		47,751,381	_	_	_	Mthly/Qtrly/Annly	30 to 90
Hedged equities		54,381,937	_	_	_	Quarterly	90
Private equity	_	34,092,867			_	See note 6(a)	N/A
	\$	234,878,496	78,248,933		_		

There has been no transfer activity among levels for investments during fiscal years 2019 and 2018. The RF has unfunded commitments to the plan's private equity investments at June 30, 2019 of approximately \$34.0 million.

(d) Investment Policies and Strategies

The plan's primary investment goal is to meet the ongoing obligations while minimizing contributions and controlling risks. This would result in funding short-term liabilities with lower volatility short-term assets, intermediate-term liabilities with moderate-volatility assets and longer-term liabilities with long-term assets.

By use of this structure, and by the diversification of assets, the total portfolio risk exposure and risk adjusted returns meet the plan's long-term total return goal.

The RF's investment managers, under agreement to manage the plan assets kept in the VEBA trust, exercise full investment discretion within the investment policy approved by the RF board of directors, and guidelines as described in the respective investment agreements. Assets must be managed with the care, skill, prudence, and diligence that a prudent investment professional in similar circumstances would exercise, in compliance with applicable laws and regulations.

(e) Basis Used to Determine the Overall Expected Long-Term Rate of Return on Assets Assumption

The RF works with a consultant to develop long-term rate of return assumptions used to model and determine the overall asset allocation. The return assumptions used in the asset allocation analysis are based on a building block approach in which risk premium is calculated for each asset class and adjusted for current market conditions including, but not limited to, current market valuations, yield, inflation, and various economic indicators.

Notes to Financial Statements June 30, 2019 and 2018

The plan's asset allocation, utilizing various investment vehicles, as of June 30, 2019, as shown in the table below, is expected to meet the plan's expected return:

Asset class	Long-term target	Short-term target	Ranges	Actual
Cash	1.0%	1.0%	0%–10%	0.6%
Fixed income:				
Government bonds	8.0%	5.0%	0%–30%	4.6%
Credit	4.0%	4.0%	0%-20%	4.0%
Private debt	9.0%	2.5%	0%–20%	4.8%
Equities:				
Global equities	35.0%	38.0%	20%-50%	38.0%
Hedged equities	15.0%	19.0%	0%-25%	19.4%
Private equity	10.0%	7.0%	0%–25%	8.9%
Absolute return	5.0%	7.5%	0%–20%	6.0%
Real assets:				
Inflation-protected	3.0%	6.0%	0%-10%	5.6%
Commodities	—%	—%	0%-10%	—%
Global real estate	10.0%	10.0%	5%-20%	8.1%

(10) Retirement Plan

The RF maintains a noncontributory Section 401(a) retirement plan for substantially all nonstudent employees. Contributions are based on a percentage of earnings and range from 7% to 15%, depending on date of hire. In addition, the RF provides an additional pension contribution if an employee retires and meets the age and service requirements for retiree health insurance. This additional contribution is calculated by multiplying the value of the employee's accrued sick leave, up to a maximum of 200 days, by the employee's contribution rate at the time of retirement. Employees become eligible to participate after completing one year of service (a one-year waiting period from their date of hire). At that time, contributions begin and they gain ownership of all future contributions made to their retirement accounts while employed by the RF.

Contributions are allocated to individual employee accounts. Vested participants have the option of having contributions to their accounts deposited in either, a guaranteed income account, an assortment of mutual funds, stocks, bonds, real estate, and money market investments, or a selection of nonproprietary funds that are offered by the Teachers Insurance and Annuity Association (TIAA). The payroll for RF employees covered by TIAA for the years ended June 30, 2019 and 2018 was approximately \$359.4 million and \$363.5 million, respectively. The RF retirement plan contributions were approximately \$30.4 million and \$31.3 million for the years ended June 30, 2019 and 2018, respectively. These contributions are equal to 100% of the required contributions for the year.

Notes to Financial Statements June 30, 2019 and 2018

(11) Long-Term Obligations

	Balance			
	_	June 30, 2019	June 30, 2018	
Long-term obligations:				
Capital lease obligation; see note (a) below	\$	235,232,113	250,943,913	
Bonds payable to Albany Industrial Development Agency				
(AIDA); see note (b) below		3,850,000	4,065,000	
Note payable to Citizens Bank; see note (c) below	_	4,517,857	5,303,571	
Total long-term obligations	\$_	243,599,970	260,312,484	

- (a) The RF is party to a capital lease for the NanoFabXtension (NFX) facility with FRMC. The lease commenced on January 1, 2013 and expires on December 31, 2028. During the lease term, the RF's payments under the capital lease will be an annual amount equal to the greater of (a) \$36 million or (b) all scheduled payments of principal and interest and related payments due under a credit agreement that FRMC has with a financial institution for financing of the NFX facility.
- (b) The RF has an interest rate swap agreement, on the variable-rate AIDA bonds payable, with the Bank of New York to pay a fixed rate of interest of 3.615%. The bonds payable mature in 2032.
- (c) The RF has a fixed rate term loan with Citizens Bank with an interest rate of 3.68%, which commenced on February 2, 2018 and expires on February 1, 2025 and is fully collateralized by certain of the RF's marketable securities.

Future scheduled payments as of June 30, 2019 are as follows:

	_	Capital leas	e obligation	Bonds and no	tes payable
	_	Principal Interest Principal		Interest	
Fiscal year:					
2020	\$	17,052,981	18,947,019	1,005,714	167,964
2021		18,508,646	17,491,354	1,015,714	137,733
2022		20,088,570	15,911,430	1,020,714	107,879
2023		21,803,357	14,196,643	1,030,714	77,985
2024		23,664,522	12,335,478	1,035,714	48,150
Thereafter	_	134,114,037	27,885,963	3,259,287	54,150
Total	\$_	235,232,113	106,767,887	8,367,857	593,861

Notes to Financial Statements June 30, 2019 and 2018

The RF was in compliance with all loan covenant provisions in effect as of the issuance date of these financial statements.

Lines of Credit

The RF maintains unsecured lines of credit, with no fixed maturity date, in the amount of \$65.0 million of which \$17.8 million and \$31.8 million were outstanding as of June 30, 2019 and 2018, respectively. During the year ended June 30, 2019, the borrowing rates ranged between 2.85 – 3.68%. The terms of the lines include the specification that each draw must be repaid within one year, and that the bank has the right to demand full repayment of these lines of credit at any time. There has been no indication by the bank of its intent to exercise this right.

(12) Commitments and Contingencies

(a) Commitments

The RF has commitments under its NFX capital lease as well as agreements with industry partners to support the mission of the SUNY Poly campus, some of which are pending sponsorship or other funding. As of the issuance date of these financial statements, the RF does not anticipate any shortfalls of funding under these commitments to be material in nature.

(b) Operating Lease Obligations

The RF contracts with FRMC and various other entities to lease space as part of its mission to support SUNY research and partnerships. Future minimum payments, as of June 30, 2019, for lease terms in excess of one year are as follows:

Fiscal year		FRMC	Other	Total		
2020	\$	9,714,458	5,059,945	14,774,403		
2021		7,464,458	4,852,781	12,317,239		
2022		7,014,458	2,067,444	9,081,902		
2023		7,014,458	1,274,484	8,288,942		
2024		7,014,458	627,674	7,642,132		
Thereafter		78,912,653	2,819,732	81,732,385		
Total	\$	117,134,943	16,702,060	133,837,003		

In May 2005, the RF, as tenant, and FRMC, as landlord, executed an agreement for the lease of clean room facilities, which are used for nanotechnology-related research and development at SUNY Poly. Rent payments made by the RF pursuant to the agreement for each of the years ended June 30, 2019 and 2018 were approximately \$7.0 million. The annual rental payments may escalate annually at a rate not to exceed one percent. The term of the lease is from May 20, 2005 through September 30, 2035.

Notes to Financial Statements June 30, 2019 and 2018

(c) Contingencies

During the ordinary course of business, the RF is exposed to risks associated with legal proceedings and claims. A liability is recognized with respect to legal proceedings and claims if incurrence of a loss is probable and the amount of loss is reasonably estimable. It is not anticipated that potential liability from any matters as yet unresolved as of the issuance date will have a material effect on the RF's financial condition and/or cash flows.

(13) Functional Expenses

The statement of activities presents expenses by program classification. The RF also summarizes its expenses by functional and natural classifications. The RF's primary program service is research. Depreciation expense is assigned based on the functional classification of the contract or agreement for which an individual asset was acquired. Post retirement and other benefit expenses are allocated based on the functional classifications of salaries.

Expenses, categorized based on functional and natural classifications for the year ended June 30, 2019, with comparative totals based on natural classification for the year ended June 30, 2018, are as follows (in thousands):

		Institutional	Public		Academic			
	Research	Support	Service	Instruction	Support	Other	Total	2018
Salaries	\$ 176,363	57,537	53,779	38,838	11,208	1,643	339,368	332,430
Other employee benefits	59,932	22,722	21,621	14,429	4,326	564	123,594	118,293
Post retirement benefit expense	(8,879)	(2,897)	(2,707)	(1,955)	(564)	(83)	(17,085)	(14,502)
Subcontracts	73,507	10	12,582	7,896	326	-	94,321	95,595
Office expense	51,343	12,063	8,049	5,476	3,162	1,599	81,692	83,070
Fees for services	25,557	15,404	19,273	4,845	4,232	2,243	71,554	69,067
Depreciation and amortization	51,732	4,385	-	421	-	254	56,792	60,501
Occupancy	1,971	14,317	6,049	656	266	5,693	28,952	33,980
Equipment	22,965	1,655	309	1,364	1,384	609	28,286	24,097
Interest	20,288	2,675	-	15	-	-	22,978	23,694
Travel	10,307	2,468	5,280	2,934	1,013	99	22,101	21,332
Fellowship stipends	3,038	650	1,261	11,706	566	1,872	19,093	19,252
Tuition and fees	6,810	202	181	10,640	297	171	18,301	22,953
Information technology	2,604	6,656	422	423	508	485	11,098	11,699
Other expenses	14,652	24,396	4,654	3,643	3,835	10,179	61,359	47,839
Total expenses	\$ 512,190	162,243	130,753	101,331	30,559	25,328	962,404	949,301

(14) Subsequent Events

The RF considers events or transactions that occur after the balance sheet date, but before the financial statements are issued, to provide additional evidence relative to certain estimates or to identify matters that require additional disclosure. These financial statements covering the year ended June 30, 2019 were available to be issued on October 7, 2019 and subsequent events have been evaluated through that date.

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Agriculture: DEPARTMENT OF AGRICULTURE DEPARTMENT OF AGRICULTURE	10.000 10.000			\$1,530 \$877	=	=	
DEPARTMENT OF AGRICULTURE	10.000	CHRISTMAS TREE FARMERS		\$17,312	-	Ξ	
DEPARTMENT OF AGRICULTURE AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH PLANT AND ANIMAL DISEASE	10.000 10.001 10.025	ASSOCIATION OF NEW YORK MISSISSIPPI STATE UNIVERSITY	N/A 030200.363368.01		\$7,212 \$1,104	=	\$26,931 \$1,104
PLANT AND ANIMAL DISEASE PLANT AND ANIMAL DISEASE	10.025 10.025			\$13,025 \$10,603	Ξ	=	
PLANT AND ANIMAL DISEASE PLANT AND ANIMAL DISEASE	10.025 10.025	REGENTS OF THE UNIVERSITY OF CALIFORNIA RIVERSIDE	S000928	\$42,972	\$26,226	_	
PLANT AND ANIMAL DISEASE	10.025	REGENTS OF THE UNIVERSITY OF CALIFORNIA RIVERSIDE	S001078	_ =	\$3,869	_	\$117,370
WILDLIFE SERVICES GRANTS FOR AGRICULTURAL RESEARCH COOPERATIVE FORESTRY RESEARCH	10.028 10.200 10.202			\$74,185 \$115.741 \$83.850	=	\$13.539 —	\$74,185 \$115.741
COOPERATIVE FORESTRY RESEARCH HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.202 10.217 10.217			\$379.188 \$106.597	=	=	\$463,038
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM BIOTECHNOLOGY RISK ASSESSMENT RESEARCH	10.217 10.217 10.219			 \$21,566	=	 \$125	\$106,597 \$21,566
CONSUMER DATA AND NUTRITION RESEARCH AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH	10.253 10.290 10.307	DUKE UNIVERSITY UNIVERSITY OF IDAHO PENNSYLVANIA STATE UNIVERSITY	3430734 GTK737SB003 5808ASUNIFA5862	=	\$16,245 \$18,000		\$16,245 \$18,000 \$5,416
ORGANIC AGRICULTURE AND EXTENSION INITIATIVE AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310	PENNSTEVANIA STATE UNIVERSITY	3000A3UNIFA3002	\$126,091 \$70,021	\$5,416 — —	\$118,135 —	\$5,410
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310 10.310			\$134,120 \$4,490 \$3,659	Ξ	Ξ	
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310	IOWA STATE UNIVERSITY	4162017A	\$90.831	\$12,398	\$66.078	
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) BIOMASS RESEARCH AND DEVELOPMENT INITIATIVE COMPETITIVE GRANTS	10.310 10.310	IOWA STATE UNIVERSITY CORNELL UNIVERSITY	4164197A 84041 11059	=	\$36.914 \$68,116	=	\$546,640
PROGRAM (BRDI) BIOMASS RESEARCH AND DEVELOPMENT INITIATIVE COMPETITIVE GRANTS	10.312			\$228,458	-	-	
PROGRAM (BRDI) FOOD INSECURITY NUTRITION INCENTIVE GRANTS PROGRAM	10.312	FOOD INSECURITY NUTRITION INCENTIVE GRANTS PROGRAM	20167002525248	\$47,300 	 \$5,379	_	\$275,758 \$5,379
FORESTRY RESEARCH FORESTRY RESEARCH	10.652 10.652			\$5,912 \$450	=		
FORESTRY RESEARCH FORESTRY RESEARCH FORESTRY RESEARCH	10.652 10.652 10.652			\$17.243 \$54,845 \$1.186	=	\$12.606 —	
FORESTRY RESEARCH FORESTRY RESEARCH	10.652 10.652			\$54,536 \$11.299	=	_	
FORESTRY RESEARCH FORESTRY RESEARCH	10.652 10.652			\$5,708 \$68.954	Ξ	=	
FORESTRY RESEARCH	10.652	WATERSHED AGRICULTURAL COUNCIL UNITED STATES ENDOWMENT FOR FORESTRY AND COMMUNITIES	442	_	\$46,532	-	
FORESTRY RESEARCH	10.652	INCORPORATED NYS DEPARTMENT OF	E16-67	_	\$1,392	_	\$268,057
COOPERATIVE FORESTRY ASSISTANCE URBAN AND COMMUNITY FORESTRY PROGRAM URBAN AND COMMUNITY FORESTRY PROGRAM	10.664 10.675 10.675	ENVIRONMENTAL CONSERVATION	AM09871	\$70,404 \$101,445	\$41,043 —	 \$7,200	\$41,043
URBAN AND COMMUNITY FORESTRY PROGRAM	10.675	NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION	AM10293	-	\$19,373	- J7,200	\$191,222
FOREST HEALTH PROTECTION SOIL AND WATER CONSERVATION	10.680 10.902	SLOW THE SPREAD FOUNDATION INCORPORATED	N/A	 (\$6.440)	\$6,248	-	\$6,248 (\$6.440)
Total U.S. Department of Agriculture: U.S. Department of Commerce:				\$1,978,633	\$315,467	\$217,683	\$2,294,100
OCEAN EXPLORATION INTEGRATED OCEAN OBSERVING SYSTEM (IOOS) STATISTICAL	11.011 11.012 11.016	UNIVERSITY OF RHODE ISLAND GREAT LAKES OBSERVING SYSTEM SYNOPTIC DATA	0006189/03202018 IOOS/NBN-04 S20170122		\$13,181 \$30.288 \$207,444	=	\$13,181 \$30.288 \$207.444
ECONOMIC ADJUSTMENT ASSISTANCE SEA GRANT SUPPORT	11.307 11.417	STNOPTIC DATA	520170122	\$215,674 \$2,330,764	_	\$1,382,069	\$215,674
SEA GRANT SUPPORT SEA GRANT SUPPORT SEA GRANT SUPPORT	11.417 11.417 11.417	TRUSTEES OF BOSTON UNIVERSITY	4500002681	\$874,551 \$17,165	 \$3,402	\$549,094 \$13,623	
SEA GRANT SUPPORT SEA GRANT SUPPORT	11.417 11.417	UNIVERSITY OF VERMONT UNIVERSITY OF VERMONT	28155 SUNY GARNEAU 28155 SUNY LEIBENSPERGER		\$15,745 \$11,304	=	
SEA GRANT SUPPORT SEA GRANT SUPPORT SEA GRANT SUPPORT	11.417 11.417 11.417	UNIVERSITY OF VERMONT UNIVERSITY OF VERMONT UNIVERSITY OF VERMONT	N/A 32817SUB52595 32817SUB52595	_ = =	\$4,574 \$113,354 \$45,207	=	
SEA GRANT SUPPORT SEA GRANT SUPPORT FISHERIES DEVELOPMENT AND UTILIZATION RESEARCH AND	11.417 11.417	UNIVERSITY OF VERMONT UNIVERSITY OF VERMONT	32817SUB52963 PO 174278 32817SUB53045 PO# 175766	Ξ	\$13,039 \$29,363	=	\$3,458,468
DEVELOPMENT GRANTS AND COOPERATIVE AGREEMENTS PROGRAM	11.427 11.431			\$40,308 \$3,527	_	_	\$40,308
CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH	11.431 11.431 11.431			\$22,904 \$42,066 \$81,619	=	=	
CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH	11.431 11.431			\$69,512 \$8,496	_	=	
CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH	11.431 11.431 11.431			\$97.171 \$126.828 \$172.773	=	Ξ	
CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH	11.431 11.431	UNIVERSITY OF HAWAII	Z10129407	\$50,049 —	- \$21,605	\$546	
CLIMATE AND ATMOSPHERIC RESEARCH CLIMATE AND ATMOSPHERIC RESEARCH	11.431 11.431	UNIVERSITY OF HAWAII WOODS HOLE OCEANOGRAPHIC INST ATLANTIC STATES MARINE FISHERIES	N/A 24171100/ A101361	=	\$1.931 \$3,646	_	\$702,127
REGIONAL FISHERY MANAGEMENT COUNCILS APPLIED METEOROLOGICAL RESEARCH	11.441 11.468	COMMISSION	160404	 \$10.169	\$1,479 —	=	\$1,479
APPLIED METEOROLOGICAL RESEARCH APPLIED METEOROLOGICAL RESEARCH APPLIED METEOROLOGICAL RESEARCH	11.468 11.468 11.468			\$37,596 \$63.827 \$73,275	=	=	
APPLIED METEOROLOGICAL RESEARCH APPLIED METEOROLOGICAL RESEARCH APPLIED METEOROLOGICAL RESEARCH	11.468 11.468 11.468			\$91,964 \$126,336 \$1,456	=	=	
APPLIED METEOROLOGICAL RESEARCH APPLIED METEOROLOGICAL RESEARCH	11.468 11.468			\$52,563 \$30,454	=	\$55,414	
APPLIED METEOROLOGICAL RESEARCH	11.468 11.468	UNIVERSITY OF WISCONSIN MILWAUKEE	173405025AAB5883	\$2,886	\$69,224	_	\$559,750
APPLIED METEOROLOGICAL RESEARCH UNALLIED SCIENCE PROGRAM CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN	11.472	NORTH PACIFIC RESEARCH BOARD	1501A 1501B	Ξ	\$21,944	=	\$21,944
PROGRAM CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM	11.478	VIRGINIA INSTITUTE OF MARINE SCIENCE	720912-712683	\$114,124	 \$109	_	\$114.233
EDUCATIONAL PARTNERSHIP PROGRAM MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.481 11.609	HOWARD UNIVERSITY	00089711000067101	\$7,173	\$59,246 —	Ξ	\$59,246
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS SCIENCE	11.609 11.609 11.620			\$25,122 \$66,609	(\$493)	(\$493)	\$31,802 \$66,609
Total U.S. Department of Commerce: U.S. Department of Defense:				\$4,856,961	\$665,592	\$2,000,253	\$66,609 \$5,522,553
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000 12.000			(\$257) (\$3,229) \$42,530	=	=	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000			\$328,667 \$327,093	_	_	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000 12.000	NANOHMICS INCORPORATED	W81XWH18C0183	\$259,994 \$18,215 —	 \$10,357	\$101,524 — —	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000	WESSON GROUP LLC BRAINSCOPE COMPANY INCORPORATED	W912P416C0001 N/A	_	\$61,124 \$875	_	
DEPARTMENT OF DEFENSE	12.000	MIT LINCOLN LABORATORY GOVERNMENT OF ISRAEL MINISTRY OF	7000451264	=	\$17,904	=	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000	DEFENSE ALION SCIENCE AND TECHNOLOGY CORPORATION	4440751480 SFP1146047	=	\$49,079 \$3.509	_	
DEPARTMENT OF DEFENSE	12.000	CHARLES RIVER ANALYTICS INC UNIVERSITY OF DAYTON RESEARCH	SC1723101	Ξ	\$9,096	Ξ	
DEPARTMENT OF DEFENSE	12.000	INSTITUTE	RSC18051	=	\$108,484	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
DEPARTMENT OF DEFENSE	12.000	UES INC	S111044002	_	\$42,734	_	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000	REACTION ENGINEERING INTERNATIONAL UNIVERSITY OF MARYLAND	N/A 53167Z9062203	=	\$18,654 \$89,050	Ξ	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000 12.000	CFD RESEARCH CORPORATION IS4S	20180363 2831215001	=	\$1,751 \$135,701	Ξ	
DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE DEPARTMENT OF DEFENSE	12.000 12.000 12.000	GRAPHENE DEVICES LIMITED KITWARE INCORPORATED	W15QKN-11-C-0041 K00209300S04	=	(\$5,940) \$68.685	=	\$1.584.076
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114	GENERAL ELECTRIC GLOBAL RESEARCH	401074061	_	\$4.658	_	\$1,004,070
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114	UNIVERSITY OF SOUTHERN CALIFORNIA	103859059/PO10709409 &10709410	=	\$69,082	_	\$73,740
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$132,161 \$62,411	=	=	******
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$33,157 \$218,671	_	_	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$70,541 \$88,495	=	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$574,770 \$271,572	=	_ =	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$336,277 \$27,636	Ξ	\$101,372 —	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300 12.300			\$4,098 \$21.086 \$97.471	=	Ξ	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300 12.300			\$51.969 \$419.084	Ξ	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$119.221 \$167,383	=	_	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$141,525 \$19,398	=	_	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$11,870 \$284,308	=	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$187,438 \$286,563	=	_ =	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$144,111 \$107,477	=	\$30,859 \$20,766	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300 12.300			\$392,816 \$1,674 (\$322)	=	Ξ	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300 12.300			\$76,825 \$267,312	Ξ	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300 12.300			\$306.676 \$239.512	=	\$87.842	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300 12.300			\$86.397 \$23.552	Ξ	Ξ	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$387.156 \$37,380	=	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$12.503 \$952	=	_	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$60,024 \$102,998	=	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$5,978 \$8,093	=	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300			\$103,817 \$21,901	=	\$12,500 —	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	CHARLES RIVER ANALYTICS INC	SC1803501	\$7,333 —	\$31,933	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	APIC CORPORATION ROCHESTER INSTITUTE OF	Y10046918 SOW2	=	\$89,079 (\$659,503)	Ξ	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	TECHNOLOGY CUBRC INCORPORATED	31641-01 08003S2	=	\$58,380 \$23,267	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	DUKE UNIVERSITY UNIVERSAL TECHNOLOGY	3130659	-	\$60,546	-	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	CORPORATION MICHIGAN STATE UNIVERSITY	18S840113C1 RC108018SUNY	= =	\$66,347 \$100,978	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	SPACE DYNAMICS LABORATORY IBM CORPORATION	CP0053769 5004630250	_	\$5,723 \$80,329	=======================================	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	CARNEGIE MELLON UNIVERSITY ARIZONA STATE UNIVERSITY	1150141-358366 17-207	=	\$114,672 \$106,662	_	
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	REGENTS OF THE UNIVERSITY OF CALIFORNIA	0160 G VA527	_	\$216,424	_	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	HYPRES INCORPORATED NORTHEASTERN UNIVERSITY	W911NF-17-1-0120 503378-78050	=	\$55,372 \$73,150	=	
BASIC AND APPLIED SCIENTIFIC RESEARCH BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300 12.300	PHYSICAL SCIENCES INC GOVERNMENT OF ISRAEL MINISTRY OF DEFENSE	SC84056-4109-46 4440869466	_	\$10,000	_	\$6,553,759
SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.300	UNIVERSITY OF MARYLAND	63350Z9206202	_	\$99,130 \$45.888	_	\$6,553,759
SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV	450378-19245	_	\$125,773	_	\$171,661
DEPARTMENT OF HEALTH AND HUMAN SERVICES MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$101,430 \$2,348	_	=	******
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$222,712 \$51,421	=	_	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$199,145 \$448,023	=	\$55,010 \$64,416	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$71,164 \$89,393	=	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$173,060 \$148.710	_	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420 12.420			\$355,860 \$13,815 \$12,083	=	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420 12.420			\$3.322 \$137.349	Ξ	Ξ	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$250,248 \$30,082	=	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$181,627 \$74,757	=	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$91,049 \$186,872	_	_	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$485,865 (\$58,993)	=	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$1,090 \$21,343	=	_	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420			\$9,490 (\$11,337)	Ξ	Ξ	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420 12.420			\$11,160 \$191,290 \$702,844	=	\$37.009	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420 12.420	LIVEONNY	W81XWH-17-1-0646	\$128.704	\$68.851	=	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	WAKE FOREST UNIVERSITY HEALTH SCIENCES	WFUHS441020SR-10	=	\$127,149	_	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420 12.420	UNIVERSITY OF ILLINOIS AT CHICAGO TRUSTEES OF INDIANA UNIVERSITY	W81XWH140281 PO 1951529 IN4379810SBU	=	(\$349) \$11.657	Ξ	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	CORNELL UNIVERSITY CHEROKEE NATION TECHNOLOGY	80914-10934	-	\$13,009	-	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	SOLUTIONS LLC ADVANCED TECHNOLOGY	W81XH12D00440020	=	(\$135)	-	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT BASIC SCIENTIFIC RESEARCH	12.420 12.431	INTERNATIONAL	MTEC1701DHIM01	\$59,965	\$260,066 —	\$209,993 \$22,250	\$4,806,174
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431			\$201,600 \$78,790	Ξ	Ξ	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431			\$48.362 \$273.647	=	\$78,024	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431 12.431			\$56,579 \$250,422 (\$276)	Ξ	\$149,706	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431 12.431			\$12.409 \$38.886	Ξ	Ξ	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431 12.431			\$211.088 \$18,905	Ξ	\$4,036	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431			\$73.938 \$26,828	_	_	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431			\$104.608 \$16	=	=	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431			\$45,092 \$105,016	Ξ	Ξ	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431			\$154,998 \$137,740	=	=	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
BASIC SCIENTIFIC RESEARCH	12.431	RENSSELAER POLYTECHNIC INSTITUTE	A12843	_	\$49,848	_	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431	MAGNOLIA OPTICAL TECHNOLOGIES INCORPORATED GENERAL TECHNICAL SERVICES LLC	W911QX16C0029 0000074	Ξ	\$19,071 \$3,389	=	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431	POLARIS ALPHA LLC MAGNOLIA OPTICAL TECHNOLOGIES INCORPORATED	S18-06139 W31P4Q10C0008	_	\$29,137 \$26,379	_	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431	LEIDOS UNIVERSITY OF MARYLAND	P010182175 52675Z8028201	= =	\$6.166 \$29,697	=	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431	NORTHEASTERN UNIVERSITY STAIB INSTRUMENTS INCORPORATED	50410878057 A25781	_	\$27,049 \$73	=	
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF TEXAS AT AUSTIN REGENTS OF THE UNIVERSITY OF	UTA16000993	=	(\$163)	-	
BASIC SCIENTIFIC RESEARCH	12.431	CALIFORNIA UNIVERSITY OF CALIFORNIA AT SANTA	2017-3497	_	\$11,568	-	
BASIC SCIENTIFIC RESEARCH BASIC SCIENTIFIC RESEARCH	12.431 12.431	BARBARA SPECTRAL ENERGETICS INCORPORATED	KK1655 N/A	=	\$46,595 (\$75,350)	_	\$2,072,072
BASIC BASIC	12.630 12.630	UNIVERSITY OF MARYLAND	69918Z8149201	(\$389)	\$69.084	Ξ	92,072,072
BASIC	12.630	UTAH STATE UNIVERSITY RESEARCH FOUNDATION	CP0039811	_	\$10,347	_	
BASIC	12.630	UTAH STATE UNIVERSITY RESEARCH FOUNDATION	CP0047449	_	\$9,115	_	
BASIC BASIC	12.630 12.630	PRAIRIE VIEW A&M UNIVERSITY JAN BIOTECH INCORPORATED UNIVERSITY OF CALIFORNIA AT SANTA	S160502 JBISC12182018	=	\$179,837 \$20,845	=	
BASIC AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.630 12.800	BARBARA	KK1919	 \$765.851	\$33,693	 \$424.238	\$322,532
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$29,776,149 \$160,015	=	\$14,362,467 \$74,631	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$108,463 \$46,071	_	\$46,071	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$1,160 \$199,330	=	\$36,435	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$222,481 \$60,680	=	\$218,133	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$283,670 \$33,738	= =	\$140,124 —	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800 12.800			\$2,894 \$26.761 \$172,993	=	_	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$177,200 \$79,783	Ξ	\$78.555	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800 12.800			\$38.865 \$78,778	=	=	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800			\$43,354 \$39,570	=	=	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800	KITWARE INCORPORATED	K00189200S04	\$18,283 —	\$152,416	=	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	107759	_	\$532,940	_	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	REGENTS OF THE UNIVERSITY OF CALIFORNIA RIVERSIDE	S-000748	-	\$36,799	-	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	MINERVA SYSTEMS AND TECHNOLOGIES LLC	AGREEMENT 16093746	-	\$79,398	-	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800 12.800	GEORGIA INSTITUTE OF TECHNOLOGY GRIFFISS INSTITUTE	RJ287-G1 SA2018-UP-023 19-17	Ξ	\$308.252 \$33,110 \$24,176	=	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800 12.800	FLEX TECH ALLIANCE GRIFFISS INSTITUTE LOCKHEED MARTIN CORPORATION	SA2019-UP-0233 4104009231	Ξ	\$2,802 \$2,802	Ξ	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF MASSACHUSETTS AMHERST	18010078A00	_	\$87,217	_	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800	SYRACUSE UNIVERSITY CUBRC INCORPORATED	2919304590S01 08061S01	=	\$80.954 \$172,873	=	
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800 12.800	KANSAS STATE UNIVERSITY GRIFFISS INSTITUTE	S18149 SA2018UP022	=	\$99.098 \$39,400	=	\$34,014,650
MATHEMATICAL SCIENCES GRANTS RESEARCH AND TECHNOLOGY DEVELOPMENT	12.901 12.910			\$5.900 \$158,039	=	=	\$5.900
RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910 12.910			\$39,545 \$35,849 \$129,119	=	=	
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910	UNIVERSITY OF CENTRAL FLORIDA MASSACHUSETTS INSTITUTE OF	6401640601	\$129,119	\$438,248	=	
RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910	TECHNOLOGY BOEING COMPANY	5700019141 1238722	=	\$574 \$15,345	=	
RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910	ANALOG PHOTONICS LLC FLEX TECH ALLIANCE	SUB-2-HR011-16-C-0108 N/A	=	\$1,402,763 \$29,191	\$27,336	
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910	FLEX TECH ALLIANCE UNIVERSAL INSTRUMENTS	P2.8	-	\$775,022	\$633,726	
RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910	CORPORATION LOCKHEED MARTIN CORPORATION	342873 2.3		\$11,798 \$233.185	\$227.748	
RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910 12.910	GEORGIA INSTITUTE OF TECHNOLOGY FLEX TECH ALLIANCE LOCKHEED MARTIN CORPORATION	2.5 ADP#9 4103493872	Ξ	\$90,024 \$104,251 \$534,452	=	
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910 12.910	NEXTFLEX	3.7	<u> </u>	\$468,340 \$404,219	\$367,227 \$303,457	
RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910 12.910	LOCKHEED MARTIN CORPORATION FLEX TECH ALLIANCE NEW YORK UNIVERSITY	ASSET MONITORING F731501	= =	\$180,382 \$111,671	\$162,900	
RESEARCH AND TECHNOLOGY DEVELOPMENT Total U.S. Department of Defense:	12.910	IBM CORPORATION	5005026260	\$45,922,974	\$200,956 \$9,044,563	\$18,078,355	\$5,362,973 \$54,967,537
Central Intelligence Agency: Central Intelligence Agency	13.000	LEIDOS	P010182175		\$10,116		\$10,116
Total Central Intelligence Agency: U.S. Department of Housing and Urban Development:		HOME INNOVATION RESEARCH LABS			\$10,116		\$10,116
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT HURRICANE SANDY COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER	14.000	INCORPORATED	NA	-	\$17,508	-	\$17,508
RECOVERY GRANTS (CDBG-DR) HURRICANE SANDY COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER	14.269	HOUSING TRUST FUND CORPORATION	NYRISE	_	(\$14,390)	(\$14,390)	
RECOVERY GRANTS (CDBG-DR) Total U.S. Department of Housing and Urban Development:	14.269	RESEARCH FOUNDATION OF CUNY	58580-01-E		\$79,591 \$82,709	(\$14,390)	\$65,201 \$82,709
U.S. Department of the Interior: DEPARTMENT OF THE INTERIOR DEPARTMENT OF THE INTERIOR	15.000 15.000			(\$15,387)	-	-	
DEPARTMENT OF THE INTERIOR DEPARTMENT OF THE INTERIOR	15.000	UNIVERSITY OF NEW HAMPSHIRE NYS DEPARTMENT OF	17-019	\$5.943 —	\$62,503	_	
DEPARTMENT OF THE INTERIOR	15.000	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM10165	=	\$324,864	_	
DEPARTMENT OF THE INTERIOR	15.000	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM10518	_	\$28,299	-	
DEPARTMENT OF THE INTERIOR	15.000	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM11043	-	\$975,456	\$1,508	\$1,381,678
FISH BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM) ENVIRONMENTAL	15.231 15.423	ENVIRONMENTAL CONSERVATION	AM11059	-	\$781,842	-	\$781,842
STUDIES (ES) DEPARTMENT OF THE INTERIOR	15.423 15.506	NYS DEPARTMENT OF		\$42,106 \$93,298	=	\$31,225 —	\$42,106 \$93,298
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	ENVIRONMENTAL CONSERVATION MICHIGAN DEPARTMENT OF NATURAL	AMO8649	-	\$210,542	\$35,000	
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	RESOURCES MICHIGAN DEPARTMENT OF NATURAL	WLD1815	-	\$199,236	-	
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	RESOURCES ALASKA DEPARTMENT OF FISH AND	WLD1814	=	\$83,713	-	
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	GAME MISSOURI DEPARTMENT OF	COOP 19 051	-	\$62,707	-	
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	CONSERVATION TIOGA COUNTY SOIL AND WATER	76 B	-	\$88,145	-	\$644,343
PARTNERS FOR FISH AND WILDLIFE STATE WILDLIFE GRANTS	15.631 15.634	CONSERVATION DISTRICT ANTIOCH UNIVERSITY	2018 66 F17AP00046	= -	\$8,880 \$34.953	_	\$8,880
STATE WILDLIFE GRANTS RESEARCH GRANTS (GENERIC)	15.634 15.650	PENNSYLVANIA FISH AND BOAT COMMISSION	2016 0428 01 4100072898	 \$371	\$24,545	-	\$59,498
RESEARCH GRANTS (GENERIC) MIGRATORY RIPD MONITORING	15.650 15.655			\$3/1 — \$5.563	=	Ξ	\$371 \$5.563
ENDANGERED SPECIES CONSERVATION RECOVERY IMPLEMENTATION FUNDS	15.657			\$24,133	_	 \$12,150	30.003
ENDANGERED SPECIES CONSERVATION RECOVERY IMPLEMENTATION FUNDS	15.657			\$68,316	_	\$68,316	
ENDANGERED SPECIES CONSERVATION RECOVERY IMPLEMENTATION FUNDS	15.657			\$51,850	_	_	\$144,299

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
NATURAL RESOURCE DAMAGE ASSESSMENT AND RESTORATION GREAT LAKES RESTORATION	15.658 15.662			\$1,924 \$22,323	=	Ξ	\$1,924
GREAT LAKES RESTORATION GREAT LAKES RESTORATION GREAT LAKES RESTORATION	15.662 15.662			\$12.058 \$326	Ξ	Ξ	
GREAT LAKES RESTORATION GREAT LAKES RESTORATION	15.662 15.662			\$23.408 \$34	=	\$10.758	
GREAT LAKES RESTORATION GREAT LAKES RESTORATION	15.662 15.662			\$114.019 \$18,916	=	=	
GREAT LAKES RESTORATION	15.662	NATIONAL FISH AND WILDLIFE FOUNDATION	050115048886	_	\$18.304	_	\$209.388
HURRICANE SANDY DISASTER RELIEF ACTIVITIES-FWS COOPERATIVE ECOSYSTEM STUDIES UNITS	15.677 15.678	UNIVERSITY OF DELAWARE	49164	 \$10.796	\$664	_	\$664
COOPERATIVE ECOSYSTEM STUDIES UNITS ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.678 15.805			\$8,447 \$10.466	_	_	\$19,243
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805	CORNELL UNIVERSITY NYS WATER RESOURCES INSTITUTE AT	7896311099	-	\$10,197	-	
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805 15.805	CORNELL UNIV CORNELL UNIVERSITY	398287166 7491010998	=	\$8,257	=	
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805	CORNELL UNIVERSITY UNIVERSITY OF SOUTHERN	78963 10873	-	\$5.713	_	\$34.633
EARTHQUAKE HAZARDS PROGRAM ASSISTANCE U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.807 15.808	CALIFORNIA	104714012	\$23,430	\$46,500 —		\$46,500
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808 15.808			\$147,265 \$4.095	=	\$90,000	
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808 15.808			\$13,179 \$17,269	_	=	
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808 15.808			\$275 \$24.728	_	=	
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808 15.808 15.808	CENTRAL MICHIGAN UNIVERSITY	F63741	\$47,056 \$108,083	 \$14,401	_	
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION NATIONAL AND REGIONAL CLIMATE ADAPTION SCIENCE CENTERS	15.808 15.820	AMERICAVIEW UNIVERSITY OF HAWAII	AV18 NY 01 MA1375	=	\$18,178 \$33,462	=	\$417,959
NATIONAL AND REGIONAL CLIMATE ADAPTION SCIENCE CENTERS NATIONAL AND REGIONAL CLIMATE ADAPTION SCIENCE CENTERS	15.820	UNIVERSITY OF HAWAII NYS OFFICE OF PARKS REC & HISTORIC	N/A	=	\$24,442	=	\$57,904
NATIONAL MARITIME HERITAGE GRANTS AMERICAN BATTLEFIELD PROTECTION	15.925 15.926	PRESERVATION	TMG16NY2	 \$6.890	\$26,187	-	\$26,187
AMERICAN BATTLEFIELD PROTECTION AMERICAN BATTLEFIELD PROTECTION AMERICAN BATTLEFIELD PROTECTION	15.926 15.926	CIVIL WAR TRUST	NPS AGREEMENT GA228714001	\$1,587	\$135,822	Ξ	\$144.299
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945	ONE WAT HOOF	THE OFFICE MEETING OF THE OFFI	\$5,884	_	_	\$144,E55
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$30,211	_	_	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$4,818	_	_	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$84,935	_	_	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$53.892	_	_	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$31,383	_	_	\$211,123
Total U.S. Department of the Interior: U.S. Department of Justice:				\$1,103,890	\$3,227,812	\$248,957	\$4,331,702
DEPARTMENT OF JUSTICE DEPARTMENT OF JUSTICE	16.000 16.000			\$180,882 \$970,443	=	_	\$1,151,325
NATIONAL INSTITUTE OF JUSTICE RESEARCH NATIONAL INSTITUTE OF JUSTICE RESEARCH	16.560 16.560			\$5,803 \$113,556	=	Ξ	
NATIONAL INSTITUTE OF JUSTICE RESEARCH NATIONAL INSTITUTE OF JUSTICE RESEARCH	16.560 16.560			\$188,556 \$75,023	=	Ξ	
NATIONAL INSTITUTE OF JUSTICE RESEARCH NATIONAL INSTITUTE OF JUSTICE RESEARCH	16.560 16.560			\$263,019 \$184,519	=	=	
NATIONAL INSTITUTE OF JUSTICE RESEARCH NATIONAL INSTITUTE OF JUSTICE RESEARCH	16.560 16.560			\$144,669 \$30.500	_	_	
NATIONAL INSTITUTE OF JUSTICE RESEARCH NATIONAL INSTITUTE OF JUSTICE RESEARCH	16.560 16.560			\$120,222 \$236.366		_	
NATIONAL INSTITUTE OF JUSTICE RESEARCH CRIME VICTIM ASSISTANCE/DISCRETIONARY GRANTS	16.560 16.582	UNIVERSITY OF MARYLAND OFFICE OF VICTIM SERVICES AND	49447Z9246103	\$14.977	\$21,864 —	=	\$1,384,097
CRIME VICTIM ASSISTANCE/DISCRETIONARY GRANTS	16.582	JUSTICE GRANTS ERIE COUNTY DEPARTMENT OF	2019SMSV01	=	\$40,490	-	\$55,467
HAROLD ROGERS PRESCRIPTION DRUG MONITORING PROGRAM Total U.S. Department of Justice:	16.754	HEALTH	TBD	\$2.528.535	\$39,107 \$101,461		\$39,107 \$2,629,996
U.S. Department of Labor: TRANSITION ASSISTANCE PROGRAM TOtal U.S. Department of Labor:	17.807	AVAR CONSULTING, INCORPORATED	DOL-OPS-15-C-0060		\$12,186		\$12,186 \$12,186
U.S. Department of State: GLOBAL THREAT REDUCTION	19.033			\$35,018	\$12,186		
GLOBAL THREAT REDUCTION PUBLIC DIPLOMACY PROGRAMS	19.033 19.040	MIDDLEBURY COLLEGE	26671901	\$2,736	\$23,712 —	=	\$58,730
PUBLIC DIPLOMACY PROGRAMS REGIONAL DEMOCRACY PROGRAM	19.040 19.221			\$4,402 \$450,728	=	=	\$7,138 \$450,728
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			\$31,499 \$90.924	_	=	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			(\$6,051) \$10.506	_ _ _	_ _ _	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901 19.901			\$72,575 \$30.131 \$6,846	=	=	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			\$69,097 \$31,605	=	=	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			\$56,938 \$93,592	=	Ξ	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			\$134,475 \$386,334	=	\$40,186 \$32,122	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			\$78,781 \$46,789	=	932,122	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901			\$40,085 \$115,047	=	=	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.901	SAFERWORLD	N/A	\$90,969	 \$4.106	=	
EXPORT CONTROL AND RELATED BORDER SECURITY EXPORT CONTROL AND RELATED BORDER SECURITY	19.901 19.999	CRDF GLOBAL CRDF GLOBAL	FSCX17633390 FSCX17633390	=	\$43,649 \$20.325	=	\$1,427,897 \$20,325
Total U.S. Department of State: U.S. Department of Transportation:				\$1,873,026	\$91,792	\$72,308	\$20.325 \$1,964,818
DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION	20.000 20.000			\$675,620 \$10,285	_	\$216,438	
DEPARTMENT OF TRANSPORTATION	20.000	STANTEC CONSULTING SERVICES INC WISCONSIN DEPARTMENT OF	NA	_	\$3,005	-	
DEPARTMENT OF TRANSPORTATION DEPARTMENT OF TRANSPORTATION	20.000 20.000	TRANSPORATION LEIDOS	00921605 P010209208	=	(\$53)	_	\$688,857
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200 20.200	RESEARCH FOUNDATION OF CUNY CUBRC INCORPORATED	751440128 08010S1		\$22,944 \$4,344	\$4,550 —	
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	NATIONAL ACADEMY OF SCIENCES RESEARCH FOUNDATION OF CITY	NCHRP215POSUB0001334	-	\$4.028	_	\$31.316
HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION	20.205 20.205	UNIVERSITY OF NEW YORK NYS EDUCATION DEPARTMENT	CM0000249100 C012872	=	\$103,904 \$1,868	=	
HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION	20.205 20.205	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C012872 C012872	=	\$626,452 \$135,421	=	
HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION	20.205 20.205	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C012872 C012872	=	\$35,571 \$98.698	_	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	NYS ENERGY RESEARCH AND DEVELOPMENT AUTHORITY UNIVERSITY TRANSPORTATION	PO0000117232	_	\$112,231	\$19,882	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	UNIVERSITY TRANSPORTATION RESEARCH CENTER RESEARCH FOUNDATION OF CUNY	CM00002037 C-17-11 C030793 555130329	_	\$123,094 \$14,593	-	
HIGHWAY PLANNING AND CONSTRUCTION HIGHWAY PLANNING AND CONSTRUCTION	20.205	RESEARCH FOUNDATION OF CUTY RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK	555130329 CM00002578 55513-02-29	_	\$14,593 \$8.079	_	\$1,259,911
MOTOR CARRIER SAFETY ASSISTANCE	20.205	NYS DEPARTMENT OF TRANSPORTATION	C003101	_	\$119,012	_	ψ.,ε.υσ,σ.ι
MOTOR CARRIER SAFETY ASSISTANCE MOTOR CARRIER SAFETY ASSISTANCE	20.218	NYS DEPARTMENT OF TRANSPORTATION	C003101	_	\$119,012	_	\$156,941
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	HS12018RF - C002366	_	\$77,736	_	\$77,736
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	RUTGERS UNIVERSITY UNIVERSITY TRANSPORTATION	0617	Ξ	\$93,062	-	Ţ,roo
UNIVERSITY TRANSPORTATION CENTERS PROGRAM UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701 20.701	RESEARCH CENTER RUTGERS UNIVERSITY	49198-35-28 0825 PO1050667	<u>_</u>	\$6 \$7,797		\$100,865
Total U.S. Department of Transportation: U.S. Postal Service:				\$685,905	\$1,629,721	\$240,870	\$2,315,626
US POSTAL SERVICE US POSTAL SERVICE	22.000 22.000			\$6.712 \$139	=	_	
US POSTAL SERVICE	22.000			\$48.911	_	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
US POSTAL SERVICE US POSTAL SERVICE	22.000 22.000	LOCKHEED MARTIN	DW461522	\$51,454	_ \$80,961	=	\$188,177
Total U.S. Postal Service: Office of Personnel Management:		EGGINIEED III. WET IN	SHACIGEE	\$107,216	\$80,961	===	\$188,177
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$25,926 \$29,399 \$37,681	=	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011			\$12,942 \$34,256	= =	Ξ	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$30,053 \$316,335 \$30,648	=	= = =	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011			\$41,470 \$88.685	_	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$48,210 \$44.188 \$24,590	=======================================	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$24,590 \$23,100 \$9,831	=	Ξ	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011			\$37,068 \$29,143	=	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$34,869 \$27,322 \$1,836	=	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011			\$26,591 \$93,644	= =	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$15,007 \$1,596 \$1,654	=	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011			\$7,471 \$23.772	_	_	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$5,040 \$9,542 \$44,423	=	=	
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011 27.011 27.011			\$30.445 \$73,635		<u>=</u>	\$1,260,372
Total Office of Personnel Management: National Aeronautics and Space Administration:				\$1,260,372			\$1,260,372
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION NATIONAL AERONAUTICS AND SPACE ADMINISTRATION SCIENCE	43.000 43.000 43.001	JET PROPULSION LABORATORY	1533939	\$12,264 — (\$484)	\$2.684	=	\$14.948
SCIENCE SCIENCE	43.001 43.001			\$171.536 \$110,284	=	=	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$89.380 \$42,661 \$9,779	Ξ	=	
SCIENCE SCIENCE	43.001 43.001			\$17,091 \$62,791	=	\$12,730 —	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$43,871 \$26,271 \$146,567	= =	=	
SCIENCE SCIENCE	43.001 43.001			\$53,437 \$10,602	_	=	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$124,976 \$895 (\$438)	_ _ _	(\$438)	
SCIENCE SCIENCE SCIENCE	43.001 43.001			\$22,214 \$1,042,107	_	\$322,035	
SCIENCE SCIENCE	43.001 43.001			\$32.728 \$137,158		\$925 \$31,740	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$25.082 \$32,237 \$60.217	Ξ	\$25.082 \$11,942	
SCIENCE SCIENCE	43.001 43.001			\$159,806 \$50.479	_ _ _	\$26,663 —	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$68,610 \$74,153 \$43,034	=	=	
SCIENCE SCIENCE	43.001 43.001			\$22,304 \$12,009	=	=	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$188,801 \$47,154 \$86,850	_ _ _ _	\$32,405	
SCIENCE SCIENCE	43.001 43.001			\$91,687 \$59,561	=	=	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$27,385 \$45,862 \$50	_ _ _	=	
SCIENCE SCIENCE	43.001 43.001			\$23,082 \$129.842	= =	=	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001			\$49,023 \$59,424 \$162,976	=	\$22.483	
SCIENCE SCIENCE	43.001 43.001	DUKE UNIVERSITY	3430542	\$187.398	\$1,121	=	
SCIENCE SCIENCE	43.001 43.001	JET PROPULSION LABORATORY CALIFORNIA INSTITUTE OF TECHNOLOGY	1550022 1519738	=	\$37,344 \$36,073	-	
SCIENCE SCIENCE SCIENCE	43.001 43.001 43.001	YALE UNIVERSITY YALE UNIVERSITY	GR101550CON80001036 GR102117CON80001155	=	\$45.970 \$12,047	=	
SCIENCE	43.001	UNIVERSITIES SPACE RESEARCH ASSOCIATION CALIFORNIA INSTITUTE OF	04555034	_	\$33,300	_	
SCIENCE	43.001	TECHNOLOGY REGENTS OF THE UNIVERSITY OF	1616830	-	\$5,662	-	
SCIENCE SCIENCE SCIENCE	43.001 43.001	CALIFORNIA ARIZONA STATE UNIVERSITY	0995SNB140 1228404 12893	Ξ	\$40,785 \$39,126	=	
SCIENCE	43.001 43.001	JET PROPULSION LABORATORY JET PROPULSION LABORATORY JOHNS HOPKINS UNIVERSITY APPLIED	1457128 1472792	=	\$126,611 \$1,695	Ξ	
SCIENCE SCIENCE	43.001 43.001	PHYSICS LABORATORY JET PROPULSION LABORATORY	123733 RSA 1533692	Ξ	\$11,850 \$62,508	=	
SCIENCE SCIENCE	43.001 43.001	JET PROPULSION LABORATORY JET PROPULSION LABORATORY SPACE TELESCOPE SCIENCE	1536860 1546528	Ξ	\$6,540 \$1,870	=	
SCIENCE	43.001	INSTITUTE SMITHSONIAN ASTROPHYSICAL	HSTG014177002A	_	\$1,958	_	
SCIENCE SCIENCE	43.001 43.001	OBSERVATORY SMITHSONIAN ASTROPHYSICAL OBSERVATORY	SV686017 GO7-18049X	_	\$41,490 \$25,100	_	
SCIENCE	43.001	REGENTS OF THE UNIVERSITY OF COLORADO	1555786/PO1000895714	_	\$86,269	_	
SCIENCE SCIENCE EXPLORATION	43.001 43.001 43.003	JET PROPULSION LABORATORY ARIZONA BOARD OF REGENTS	1595630 1003795-1	(\$3)	\$26,873 \$22,574	=	\$4,517,218
EXPLORATION EXPLORATION	43.003 43.003			\$174,765 \$76,271	_	=	
EXPLORATION SPACE OPERATIONS SPACE OPERATIONS	43.003 43.007 43.007			\$18,311 \$26,652 \$193	=	=	\$269,344 \$26,845
EDUCATION EDUCATION	43.008 43.008	CORNELL UNIVERSITY	7615610492	\$2,532	\$29.335	\$2,532 —	.====
EDUCATION EDUCATION CROSS AGENCY SUPPORT	43.008 43.008 43.009	CORNELL UNIVERSITY CORNELL UNIVERSITY	76156-10482 7615610479	 \$12,905	\$17,748 \$19.005	=	\$68.620
CROSS AGENCY SUPPORT CROSS AGENCY SUPPORT	43.009 43.009			\$8.251 \$41,775	_ =	Ξ	\$62,931
SPACE TECHNOLOGY Total National Aeronautics and Space Administration: National Endowment for the Arts:	43.012	JET PROPULSION LABORATORY	1529702	\$4,224,368	\$47.272 \$782,810	\$488,099	\$47.272 \$5,007,178
PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024			\$19,456	_	_	\$19,456
PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.149 45.162			\$1,126 \$22,739	_	_	\$1,126 \$22,739
PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS	45.163 45.164			\$10,781 \$232,881	=	\$215,372	\$10,781 \$12,881
PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITITES PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITITES NATIONAL LEADERSHIP GRANTS	45.169 45.169 45.312	UNIVERSITY OF NOTRE DAME	203283SUNY	\$12,591 — \$190,812	\$35,164		\$47,755
NATIONAL LEADERSHIP GRANTS NATIONAL LEADERSHIP GRANTS	45.312 45.312			\$479 \$12,955	=	 \$9,131	\$204,246
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.313			\$10,574	_	_	

		Supplementary Schedule of Expenditur Year ended June 30, 2					
Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM Total National Endowment for the Arts:	45.313			\$140,083 \$654,477	\$35,164	\$27,500 \$252,003	\$150,657 \$689,641
National Science Foundation: NATIONAL SCIENCE FOUNDATION	47.000			\$44,675	\$33,104	9232,003	\$005,041
NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	47.000 47.000			\$180,925 \$285,605	=	_	
NATIONAL SCIENCE FOUNDATION NATIONAL SCIENCE FOUNDATION	47.000 47.000			\$143,733 \$142,227	=	_	
NATIONAL SCIENCE FOUNDATION	47.000	JACOBS TECHNOLOGY INCORPORATED	PO# SN71748FMS	_ =	\$37,129	_	\$834,294
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$2,252 \$242,436	=	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$198,240 \$57,791	=	_ _ _ _	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$29,969 \$19,558 \$17,118	Ξ	=	
ENGINEERING GRANTS	47.041			\$26,942	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$5,176 \$223 \$3,795	=	Ξ	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$3,795 \$98,655 \$90,811	=	Ξ	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$74,071 \$127,124	Ξ	\$103,190	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$71,485 \$169,463	_	-	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$66,124 \$6,551	Ξ	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$116,112 \$73,086	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$100,336 \$172,132	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$100,732 \$86,348	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$27,714 \$768	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$2,625 \$27,931	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$25,901 \$16,252	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$2,479 \$2,777	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$1,667 (\$761)	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$19,721 \$9,916	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$43,355 \$33,697	_	 \$9,000	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$1,846 \$11,246	_ _ _	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$139,561 \$8,268	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$26,211 \$68,680	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$82,569 \$78,482	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$27,368 \$8,893	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$42,440 \$108,560	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$124,828 \$4,986 \$887	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$887 \$39,776 \$85,526	_ _ _	\$20,839	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$117,162 \$159,852	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$9,930 \$21,360	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$65,573 \$64,311	_	Ξ	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$127,627 \$23,873	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$25,450 \$77,492	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$20,096 \$128,897	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$61,050 \$123,966	_ _ _	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$58,654 \$35,537	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$78,298 \$64,449	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$205,447 \$28,416	_	\$76,749 —	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$48,038 \$67,531	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$364,540 \$53,954	_	\$91,363 —	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$35,041 \$143,393	=	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$21,090 \$94,015	=	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$5,396 \$142,948	=	Ξ	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$46,302 \$11,155	_ _ _	_	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING OR ANTS	47.041 47.041			\$41,445 \$23,499 \$27,476	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING OR ANTS	47.041 47.041			\$37,476 \$83,845 \$42,462		_ _ _	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$43,462 \$19,278 \$35,335	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$35,335 \$237,500 \$7,067	Ξ	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$3,153 \$19,403	Ξ	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$31,500 \$40,378	Ξ	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$6,710 \$404	=	_ _ _	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$46,219 \$147,825	_ _ _	Ξ	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$5,085 \$75,192	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041 47.041			\$1,933 \$51,263	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$99,767 \$141	_	_	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$9.068 \$13,713	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$68,639 \$103,737	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$67,141 \$166,499	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$86,661 \$45,810	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$114,315 \$1,463	=	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$15,991 \$24,775	_	=	
ENGINEERING GRANTS ENGINEERING GRANTS	47.041 47.041			\$140,010 \$69,104	_	 \$42,728	
ENGINEERING GRANTS	47.041			(\$405)			

Column		Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
## 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965 1965							-	_	
Section Sect	ENGI	NEERING GRANTS	47.041			\$37,098			
Section 1997 Sect									
1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	ENGI	NEERING GRANTS	47.041			\$9,004	_	-	
Section 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960 1960								_	
Company Comp									
Column	ENGI	NEERING GRANTS	47.041			\$16,118		_	
March Marc				BOSTON LINIVERSITY	4500002061	\$79,103	\$26 296	_	
Mathematical Control C	ENGI	NEERING GRANTS	47.041		1574719SUNY	_		_	
Description Company	ENGI	NEERING GRANTS	47.041	LUX SEMICONDUCTORS LLC	IIP-1819961	_	\$14,389	-	
Marchell Control 1	ENGI	NEERING GRANTS	47.041		IIP1842736	_	\$9,793	_	
Content Cont	ENGI	NEERING GRANTS	47.041	UNIVERSITY OF NEBRASKA	25-1123-0047-02	_		_	
Company Comp				VILLANOVA UNIVERSITY		_		=	
Commerce	ENGI	NEERING GRANTS	47 041	REGENTS OF THE UNIVERSITY OF	3004155742	_	\$70.715	_	
California George				BOARD OF REGENTS OF THE					
March Marc	ENGI ENGI	NEERING GRANTS NEERING GRANTS		UNIVERSITY OF NEBRASKA SUNNY CLEAN WATER LLC	2505210210002 1745846	_		_	
Description Company				NEUROVASCULAR DIAGNOSTICS					
DEMERTING GROWTH COLOR OF THE PROPERTY OF THE	ENGI	NEERING GRANTS	47.041	FERRIC CONTRAST	NA	_	\$58,756	_	
Company	ENGI ENGI	NEERING GRANTS NEERING GRANTS	47.041 47.041		7954611071 S19048			_	
Part	ENGI	NEERING GRANTS	47.041	UNIVERSITY OF MASSACHUSETTS	19010647C00		\$3,626	-	
EMPERIOR GRAPH 10 00 00 00 14 EMPERIOR 10 00 00 00 14 EMPERIOR 10 00 00 00 14 EMPERIOR 10 00 00 00 00 00 00 00 00 00 00 00 00				HEALTH ESENSE INCORPORATED	SBIR PHASE 1	_		_	
Company				UNIVERSITY OF WASHINGTON OHIO STATE LINIVERSITY		_			
Description (1997) Company Com	ENGI	NEERING GRANTS	47.041	MECHANISMIC INCORPORATED	SBIR 1843476	_	\$14,354	_	
SAME				SYRACUSE UNIVERSITY					\$9.083.990
MATERIANCA AND APPEAL EXCERTS	SCIE	NTIFIC RESEARCH PROJECT SUPPORT	47.047			_		_	
MOTERATION, AND PRINTED, SERVICES 10 10 10 10 10 10 10 1	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$5,172		_	
MOTERATION, AND PRINTED, SERVICES 10 10 10 10 10 10 10 1								=	
MOTERANDE, AND PRIVING, SIGNEDIES 47.60 15.20	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$40,318	_		
MATERIANCE, AND PRINCE, SERIES 6 88 52.77	MATH MATH	HEMATICAL AND PHYSICAL SCIENCES HEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$66,934 \$131,262	_		
MATHEMENICA AND PROPERLA SERVICES A 1949 A 1940 A 1	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$32,712		_	
MATERIALIA, AND PRINCIA, ESCRICTOR MATERIALIA, AND PRINCIA, ESCRI	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$37,117	_	Ξ	
MATHEMENDA MA PROPERLA SERVES	MATH	HEMATICAL AND PHYSICAL SCIENCES							
Micharlich Meiner Professor (1998) Micharlich Meiner Professor (1998) Micharlich Meiner Meiner (1998) Micharlich Meiner (1998) M	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$37,196	_	_	
MATRIANCA AND PRIVIDAL EDITIONS MATRIANCA AND PRIVILLA EDITIONS	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$87,536	_	_	
MATHEMENCA AND PHYSICAL GENERALS ### AND PHYSIC	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$13,419		_	
MATERIANCA AND PROTOCOL SERVICES (Fig. 1)	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$31,943	_	Ξ	
MATHAMER, AND PHYSICAL SERVICES								_	
MATHEMENTAL AND POYNERS - 201605 210400	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$61,725		_	
MATHEMENTAL AND PHYSICAL SCIENCES 4 0.89 MATHEMENTAL AND DHYSICAL									
MATHEMENTOL AND PHYSIAL SERVICES 47 646 48 1832.28								_	
MATHEMENTOL AND PHYSIAL SERVICES 47 646 48 1832.28	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$17,167	_	=	
MATHEMETICAL ROB PROTECTIC SECRETS 47 069 48 1800 MATHEMETICAL ROB PROTECTIC SECRETS 47 069 48 1800 MATHEMETICAL ROB PROTECTIC SECRETS 47 069 48 18.030								=	
MATHEMENTAL AND PHYSIALS, ESENCES 47 049 48 12,079 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11,000 49 11	MATH	HEMATICAL AND PHYSICAL SCIENCES						_	
MATHEMENTAL AND PRIVATES SERVICES 47 July MATHEMENTAL AND PRIVAT	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$820	_	_	
MATHEMATICAL AND PRIVICAL SIGNATORS ### AND PRIVICAL SIGN	MATH	HEMATICAL AND PHYSICAL SCIENCES HEMATICAL AND PHYSICAL SCIENCES	47.049 47.049					_	
MATHEMATICAL MICHAELOS SIGNAS	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$1,320	_	_	
MATHEMATICAL MICHAEL SCENCES 47.00 MATHEMATICAL MICHAEL SCENCES 4								_	
MATHEMATICAL AND PRYSTICAL SCIENCES 47 049 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47 1949 47	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$60,327	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.669 MATHEMATICAL AND PHYSICAL	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$91,401	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47 049 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47 114-123 47	MATH MATH	HEMATICAL AND PHYSICAL SCIENCES HEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$62,200 \$216.012		=	
MATHEMATICAL AND PHYSICAL SCIENCES AT MATHEMATICAL AND P	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$53,362	-	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 59.000 - \$11.577 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 59.000 - \$11.000 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 59.000 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 59.	MATH	HEMATICAL AND PHYSICAL SCIENCES						_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 47.040 47.040 47.040 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47.041 47								=	
MTHEMTICAL AND PHYSICAL SCENCES 47.049 47.049 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.040 47.04	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$99,903	_	\$11,577	
MITHEMATICAL NO PHYSICAL SCIENCES 47.049 346.816 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 352.047 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 353.047 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 353.047 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 353.141 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 353.222 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 353.226 —— MITHEMATICAL NO PHYSICAL SCIENCES 47.049 353.227 —— MITHEMATICAL NO PH								=	
MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$57,072 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$57,072 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$21,141 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$21,141 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$17,055 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$17,055 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$10,200 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$10,300 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$13,742 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$10,000 — — MATHEMATICAL AND PHYSICAL SCIENCES 47,049 \$10,00	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$141,594			
MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$15.591 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$51.591 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$52.141 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$51.020 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.200 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.200 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.200 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.400 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.400 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.400 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$10.400 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$82.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$83.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$83.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$83.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$81.600 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$86.101 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$86.101 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$86.101 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$86.101 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$80.000 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$80.000 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$80.000 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$80.000 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$80.00	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$25,467			
MATHEMATICAL AND PHYSICAL SCENNEES 47049 \$15,591 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$22,141 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$110,200 — \$12,202 MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$131,202 — \$12,202 MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$131,202 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$104,398 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$104,398 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$104,398 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$105,300 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$138,485 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$138,485 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$136,687 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$130,687 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$100,68 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$10,048 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$10,049 — MATHEMATICAL AND PHYSICAL SCENNESS 47049 \$10,049 — MATHEMATICAL AND PHYSIC							_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$17,0250 — \$12,202 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$131,022 — \$12,202 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$131,022 — \$12,202 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$131,022 — \$12,002 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$10,000 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$20,000 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$20,000 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$30,000 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$310,000 MATHEMATICAL AND PHYSICAL SCIENCES 47049 \$30,000 MATHEMATICAL AND PHYSICAL SCIENCES 47	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$15,591	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$13,202 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$104,398 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$104,398 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$106,398 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,827 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,827 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,827 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,827 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$13,848 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$13,848 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$13,848 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$13,848 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$11,857 1 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$11,857 1 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,482 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,482 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,482 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,482 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,482 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,482 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$140,048 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$140,048 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$140,048 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$140,048 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$126,483 — — MATHEMATICAL A	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$170,635	=	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$104,398 — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$01 — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$125,827 — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$22,609 — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$22,609 — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$173,622 — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$9,0887 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$9,0164 — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$11,0671 — — — MATHEMATICAL AND PHYSICAL SCIENCES 47 049 \$11,0671 — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — <td>MATH</td> <td>HEMATICAL AND PHYSICAL SCIENCES</td> <td>47.049</td> <td></td> <td></td> <td>\$102,990</td> <td>_</td> <td>\$12,292</td> <td></td>	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$102,990	_	\$12,292	
MATHEMATICAL ROP PHYSICAL SCIENCES 47.049 \$125,827 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$25,009 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$32,609 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$32,609 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.040 \$373,627 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.040 \$713,627 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.040 \$113,571 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$119,571 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$119,571 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$110,571 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$170,672 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$140,048 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$140,048 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$150,000 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$38,700 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$32,179 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$32,179 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$30,272 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$30,274 — — MATHEMATICAL NOP PHYSICAL SCIENCES 47.049 \$30,274 —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$104,398	=		
MATHEMATICAL SIGENCES 47.049 \$125,827 — MATHEMATICAL SIGENCES 47.049 \$32,609 — MATHEMATICAL ROLL SIGENCES 47.049 \$38,485 — MATHEMATICAL ROLL SIGENCES 47.049 \$39,687 — MATHEMATICAL ROLL SIGENCES 47.049 \$39,687 — MATHEMATICAL ROLL SIGENCES 47.049 \$30,667 — MATHEMATICAL ROLL SIGENCES 47.049 \$31,26,482 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$1,26,482 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$140,048 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$140,048 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$140,048 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$3140,048 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$3140,048 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$324,433 — MATHEMATICAL AND PHYSICAL SIGENCES 47.049 \$324,739 —	MATH	HEMATICAL AND PHYSICAL SCIENCES HEMATICAL AND PHYSICAL SCIENCES	47.049 47.049				_	_	
MATHEMATICAL RID PHYSICAL SCIENCES 47.049 \$38,465 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,687 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,687 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$310,672 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$119,571 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$140,048 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$88,191 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$324,279 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$324,779 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$324,779 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 <t< td=""><td>MATH</td><td>HEMATICAL AND PHYSICAL SCIENCES</td><td>47.049</td><td></td><td></td><td>\$125,827</td><td>_</td><td>_</td><td></td></t<>	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$125,827	_	_	
MATHEMATICAL SIGNECES 47.049 \$47.028 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.22 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.216 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.727 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.763 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.004 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049	MATE	HEMATICAL AND PHYSICAL SCIENCES HEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$52,609 \$38,485	_	_	
MATHEMATICAL SIGNECES 47.049 \$47.028 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.22 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.216 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.727 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.763 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.004 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$173,622	_	_	
MATHEMATICAL SIGNECES 47.049 \$47.028 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.22 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.216 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.727 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.763 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.004 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$60,164	_	=	
MATHEMATICAL SIGNECES 47.049 \$47.028 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.700 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.433 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$32.22 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.216 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.727 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$39.763 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049 \$30.004 — MATHEMATICAL NOI-PHYSICAL SIGNECES 47.049								_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$47,028	_		
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240								Ξ	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240			47.049			\$86,191	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$24,179	=	Ξ	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240								=	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$39,272	_		
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$39,763 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51,007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.222 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$5,224 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.036 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.7,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$20,893	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$51.007 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$20.004 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$1 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$0.20 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.05 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$7.05 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.200 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.240 —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$39,763	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$50,2241 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$27,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$1,985,393 \$1,369,430 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$51,007	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$9 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$50,2241 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$27,362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$1,985,393 \$1,369,430 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 —	MATH MATH	HEMATICAL AND PHYSICAL SCIENCES HEMATICAL AND PHYSICAL SCIENCES	47.049 47.049				_	=	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$50.241 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$77.380 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$70.380 — — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$1,985,933 — \$1,369,430 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,240 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$1,985,933 — —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$2,222	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$27.362 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$70.360 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$50,241	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.209 — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$1,985,933 — \$1,389,430 MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2,840 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 (\$1,478) — —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$27,362		_	
MATHEMATICAL AND PHYSICAL SCIENCES 47.049 \$2.940 — — MATHEMATICAL AND PHYSICAL SCIENCES 47.049 (51.478) — — —	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$2,209	_	_	
	MATH	HEMATICAL AND PHYSICAL SCIENCES	47.049			\$2,840		\$1,369,430 —	
\$500,000 = = =							_	_	
						4,500			

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$39,276 \$95,790	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$6,941	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$56,064 \$13,977	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$39,158 \$27,394	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$156,672 \$95,684	=	 \$25.064	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$28,411	_		
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$111,536 \$4,964	=	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$335,583 \$123,528	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$140,666 \$81,433	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$56,405 \$96,455	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$74,946	_	Ξ	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$69,328 \$112,514	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$65,678 \$127,174	=	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$84,835 \$50,933	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$709,059 \$185,562	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$196,291	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$20,996 \$67,025	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$64,241 \$113.510	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$38,424 \$31,360	=	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$174,327	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$82,190 \$9,169,222	_	\$7,915,206	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$94,773 \$96,591	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$135,496 \$135,485	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$460,660 \$48,584	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$84,473	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$699 \$71,463	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$167,431 \$116,448	_	\$47,872	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$114,699 \$993	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$49,805 \$280.143	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$40,220 \$28,287	=	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$35,278 \$52,732	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$37,771 \$35,217	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$30,562	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$125,279 \$4,672	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$111,646 \$99,723	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$35,330 \$50,631	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$31,176 \$4,157	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$938 \$1,420	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$126 \$63,460	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$53,560 \$31,936	_	\$25,099	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$146,943	=	\$88,477	
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			\$773 \$1,352	_	=	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$9,560 \$1,231	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049			\$8,999 \$23,979	_	_	
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049	UNIVERSITY OF VERMONT WESLEYAN UNIVERSITY	29648 SUB51861 SUNY WESU5011093137	_	\$76,908 \$8,132	=	\$24,541,399
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$43,866 \$109.558	=	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$59,810 \$7,411	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$59,243 \$53,982	_	 \$27,468	
GEOSCIENCES GEOSCIENCES	47.050			\$12,806	=	-	
GEOSCIENCES	47.050 47.050			\$107,772 \$94,775	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$115,200 \$121,182	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$49,081 \$80,145	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$67,976 \$149,266	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$131,636 \$264,978	=	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$110,399 \$128,032	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050 47.050			\$64,231 \$86,850	_	=	
GEOSCIENCES	47.050			\$66,667	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$110,834 \$135,984	_	\$39,408	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$3,583 \$29,747	- - - - - - - - - - - - - - - - - - -	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$64,013 \$46,134	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$29,031 \$5,213	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$5,069 \$322,772	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$524,394 \$56,705	= = =	\$491,495	
GEOSCIENCES GEOSCIENCES	47.050 47.050 47.050			\$62,547 \$92,149	=	=	
GEOSCIENCES GEOSCIENCES GEOSCIENCES	47.050 47.050 47.050			\$92,149 (\$3,545) \$1,935	=	=	
GEOSCIENCES GEOSCIENCES GEOSCIENCES	47.050			\$15,688	_	-	
GEOSCIENCES	47.050 47.050			\$72,493 \$71,579	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$12,596 \$54,684	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$7,712 \$3,525	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$542 \$103,051	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$1,288 \$28,318	- - - - - -	 \$27,892	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$27,940 \$91,124		=-	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$1,582 \$85	_	_	
GEOSCIENCES	47.050			\$48,784	-	_	

		Supplementary Schedule of Expendity Year ended June 30,					
Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
GEOSCIENCES GEOSCIENCES	47.050 47.050		· · · · · · · · · · · · · · · · · · ·	\$1,176 \$42,693		_	and distinct
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$20,761 \$146,069	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$54,722 \$15,362	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$16,439 \$97,734	_	 \$22,405	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$42,467 \$63,195	_ _ _ _ _	— —	
GEOSCIENCES	47.050			\$158,396	=	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$104,885 \$669		_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$129,259 \$26,933	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$120,458 \$53,539	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$65,077 \$76,370	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$193,382 \$122,179	_	_	
GEOSCIENCES	47.050			\$263,872	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$42,639 \$222,598	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$178,509 \$33,227	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$7,326 \$114,368		_	
GEOSCIENCES	47.050			\$27,596	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$162,190 \$6,901	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$60,417 \$20,903	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$7,185 \$2,348	_ _ _ _ _	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$15,917 \$22,974	=	=	
GEOSCIENCES	47.050			\$105,472	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$728 \$15,700	_	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$17,429 \$21,228	=	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$9,615 \$108,801	_	_	
GEOSCIENCES GEOSCIENCES	47.050 47.050			\$117,400 \$5,539	=	_	
GEOSCIENCES	47.050	HEALTH RESEARCH INC ARIZONA BOARD OF REGENTS	559901		\$34,409	_	
GEOSCIENCES	47.050	ROCHESTER INSTITUTE OF	124740	_	\$5,326	-	
GEOSCIENCES GEOSCIENCES	47.050 47.050	TECHNOLOGY COLUMBIA UNIVERSITY	31631-01 76 (GG009393) PO#G12614	_	\$4,905 \$22,527	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050	TRUSTEES OF BOSTON UNIVERSITY UNIVERSITY OF NEW MEXICO	4500002406 13362387Y4	=	\$8,605 \$2,735	=	
GEOSCIENCES	47.050	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	56GG009393	_	\$1,414		
GEOSCIENCES	47.050	UNIVERSITY OF NEW MEXICO	133660-87Y4	_	\$423,393	=	
GEOSCIENCES GEOSCIENCES	47.050 47.050	WASHINGTON UNIVERSITY UNIVERSITY OF NEW HAMPSHIRE	WU-19-15/PO# 2934000G 14068	=	\$25,010 \$30,675	_	
GEOSCIENCES COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.050 47.070	BOWLING GREEN STATE UNIVERSITY	10010192 SUNY04	 \$79,282	\$8,864	 \$6,582	\$7,722,932
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$18,386 \$39,351	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$52,224	-	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$803 \$108,548	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$19,166 \$10,307	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$4,970 \$18,114	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$12,847 \$192,038	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$77,714	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$19,284 \$55,115	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$47,163 \$10,752	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$67,372 \$5,623	=	\$24,172	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$171,805 \$144.805	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$95,691 \$22,426	- - - - - - - -	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$44,000	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$41,246 \$117,918	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$69,882 \$111,943	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$160,757 \$48,879	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$86,583 \$259,290	_	 \$177,454	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$58,421 \$42,196	=	-	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$126,726	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$26,685 \$27,487	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$19,741 \$4,381	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$61,544 (\$373)	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$1,536 \$38,082	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$24,458	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$114,262 \$72,303	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$40,657 \$4,760	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$12,569 \$179,751	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$46,785 \$57,535	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$23,843 \$1,704,272	=	 \$177,185	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070 47.070			\$36,818 \$42,140	=	\$177,165	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$57,500	_	\$2,492	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$124,483 \$85,795	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$41,418 \$73,286	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$104,627 \$45.083	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$85,708	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$107,457 \$10,785	- - - -	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$191,456 \$115,973	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$21,583 \$168,089	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$99,921	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$602,944 \$395	_	\$296,870 —	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$99,906 \$70,855	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$8,668 \$547,552	=	_	

		Supplementary Schedule of Expenditu Year ended June 30,					
					Pass-	Passed-	Total expenditures
Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	through expenditures	through to Subrecipients	by CFDA and federal grantor
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$174,040	_	\$45,758	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$71,141 \$54,775	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$54,095 \$196,330	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$48,835 \$69,148	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$81,590 \$250,245	Ξ	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$133,781 \$148,173	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$15,896 \$115,364	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$103,492	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$86,686 \$58,814	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$47,467 \$999,670	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$22,050 \$53,217	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$84,575 \$120,271	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$53,949 \$29,453	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$36,225 \$15,000	_	\$14,303	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$86,631 \$4,729	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$13,022	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$27,532 \$6,325	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$6,986 \$5,852	_ _ _ _ _	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$2,813 \$5,239	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$298,075 \$45,607	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$31,204 \$30,507	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$115,487 \$136,314	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$9,742	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$6,046 \$93,947	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$206,697 \$104,310	_	\$69,402	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$315,674 \$4,216		=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$52,591 \$98.030	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$120,006 \$20,344	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$74,938 \$140,956	_ _ _	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$260,157	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$196,567 \$15,924	_	\$35,162 —	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$86,331 \$142,105	=	\$15,113	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$103,037 \$219,569	- - - - - - - - - - -	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$123,804 \$46,449	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$127,192 \$116,719	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$312,507 \$70,373	-	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$74,310	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$83,278 \$24,617	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$66,712 \$133,683	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$219,086 \$5,094	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$110,473 \$96,729	=	\$13,303	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$113,269 \$65,323	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$163,487 \$77,021	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$116,428 \$72,207	= = = = = =	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$57,081	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$169,905 \$358,935	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$36,060 \$56,463	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$8,193 \$10,945	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$9,784 \$20,483	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$4,026 \$108,145	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$152,145 \$197,228	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$58,113 \$73,160	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$55,281	=	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$162,174 \$174,119	_		
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$150,335 \$13,714	_ _ _ _	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$66,673 \$23,500		_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$16,042 \$42,084	- - - - - -	- - - - - -	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			(\$22,327) \$3,618	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			\$11,411	=	Ξ	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$196,850 \$141,881	=	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$41,747 \$98,119	_	_ _ _	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$8,513 \$116,514	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$18,435 \$36,389	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$35,257 \$6,292	_	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070			\$1,161 \$12,000	_	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	ILLINOIS INSTITUTE OF TECHNOLOGY UNIVERSITY OF SOUTHERN	SA180028S001	\$12,000 —	\$43,926	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	CALIFORNIA REGENTS OF THE UNIVERSITY OF	97931040	=	\$38,797	-	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	MINNESOTA	A004843001	-	\$60,085	-	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070	CORNELL UNIVERSITY ARIZONA BOARD OF REGENTS	7622110548 18314	_	\$231,773 \$16,732	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070	OHIO STATE UNIVERSITY ARIZONA BOARD OF REGENTS	60067828 ASUB00000214	=	\$92,985 \$2,485	=	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	TRUSTEES OF INDIANA UNIVERSITY VIRGINIA POLYTECHNIC INSTITUTE AND	PO1661434 BL-4848800-SUNY	_	\$172,936	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070	STATE UNIV AKAI KAERU LLC	479589-19245 NA		\$95,591 \$32,937	_	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	UNIVERSITY CORPORATION FOR ADVANCED INTERNET DEVELOPMENT	1042C	_	\$10,528	_	\$19,604,123

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$732 \$160.174	_	_	
BIOLOGICAL SCIENCES	47.074			\$193,810	=	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$124,437 \$246,264	_	\$1,712	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$2,664 \$162,222	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$3,452 \$170,011	_	\$46,133	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$38,581 \$3,668	=	-	
BIOLOGICAL SCIENCES	47.074			\$4,616	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$4,979,634 \$1,592	_	\$4,073,555	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$22,070 \$24,593	=	=	
BIOLOGICAL SCIENCES	47.074 47.074			\$15,578 \$34,518	-	-	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074			\$48,519	=	Ξ	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$226,993 \$87,231	=	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$95,138 \$77,050	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$149,310 \$86,357	=	_	
BIOLOGICAL SCIENCES	47.074 47.074			\$61,021	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074			\$10,183 \$61,433	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$44,637 \$102,885	=	\$905	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$959 \$109,491	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$245,792 \$8.904	=	\$8,904	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$68,777 \$18.392	=	-	
BIOLOGICAL SCIENCES	47.074			\$85,290	=	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$9,478 \$54,940	_	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$78,572 \$8,572	=	\$9,771 —	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$196,526 \$1,311	=	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$110,631 \$76,257	=	\$6,120 —	
BIOLOGICAL SCIENCES	47.074			\$39,773	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$84,080 \$1,251	=	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$35,350 \$14,355	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$103,898 \$17,737	_	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$123,299 \$80,704	=	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$41,818 \$41,042	_	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$13,406 \$2,035	=	=	
BIOLOGICAL SCIENCES	47.074			\$11,566	_	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$146,006 \$23,874	=	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$69,305 \$85,292	=	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$34,909 \$10,790	_	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074			\$18,893 \$1,301	_	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	HEALTH RESEARCH INC	586001	\$381,592 —	\$29,845	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	HEALTH RESEARCH INC HEALTH RESEARCH INC	586201 609001	=	\$30,992 \$1,756	=	
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3189/200201783	_	\$6,615	_	
BIOLOGICAL SCIENCES	47.074	FLORIDA ATLANTIC UNIVERSITY	XR-K14	=	\$23,806	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	UNIVERSITY OF FLORIDA PENNSYLVANIA STATE UNIVERSITY	P0016611 UFDSP00011384 4192-RFSUNY-NSF-2742		\$111,602 \$18,648	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	UNIVERSITY OF WYOMING UNIVERSITY OF WYOMING	1002790ASUNYB 1003260ASUNYB	=	\$39,734 \$65,281	=	
BIOLOGICAL SCIENCES	47.074	HAUPTMAN WOODWARD MEDICAL RESEARCH INSTITUTE INC	62181	_	\$40,577	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	ARIZONA BOARD OF REGENTS WASHINGTON STATE UNIVERSITY	467856 118996 G003356	=	\$11,477 \$322.807	=	
BIOLOGICAL SCIENCES	47.074	TRUSTEES OF BOSTON UNIVERSITY UNIVERSITY OF MASSACHUSETTS	4500002091	_	\$129,092	_	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074	AMHERST STANFORD UNIVERSITY	18-009956 A	_	\$16,819	-	
BIOLOGICAL SCIENCES	47.074 47.074	BOYCE THOMPSON INSTITUTE BOYCE THOMPSON INSTITUTE	61230239118374 17-01	= =	\$14,261 \$22,281	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	RUTGERS UNIVERSITY	17-01 821911 PO# 680075	= =	\$9,159 \$7,733	=	
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	RUTGERS UNIVERSITY NEW YORK BOTANICAL GARDEN	0216PO#953280 NYBG15026991SUNY ESF	=	\$25,369 \$100	_	
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3298 200201809	_	\$21,595	_	
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3340 200201859	_	\$15,158	_	\$10,660,248
SOCIAL SOCIAL	47.075 47.075			\$4,542 \$23,931		\$4,542 —	
SOCIAL SOCIAL	47.075 47.075			\$4,989 \$144,650	=	\$47,391	
SOCIAL SOCIAL	47.075 47.075			\$67 \$23,445	_	_	
SOCIAL	47.075			\$99,633	_	_	
SOCIAL SOCIAL	47.075 47.075			\$7,041 \$1,912	=	=	
SOCIAL SOCIAL	47.075 47.075			\$47,951 \$109,481	=	=	
SOCIAL SOCIAL	47.075 47.075			\$1,912 \$115.430	_	_	
SOCIAL SOCIAL	47.075 47.075			\$31,191 \$18,385	=	\$10,362 —	
SOCIAL SOCIAL SOCIAL	47.075 47.075			\$11,995 \$16,620	=	Ē	
SOCIAL SOCIAL SOCIAL	47.075			\$24,531	Ξ	_	
SOCIAL	47.075 47.075			\$4,743 \$17,342	_	_ _ _	
SOCIAL SOCIAL	47.075 47.075			\$5,268	_	_	
SOCIAL SOCIAL	47.075 47.075			\$22,101 \$4,175	_	_	
SOCIAL SOCIAL	47.075 47.075			\$16,538 \$12,953	=	=	
SOCIAL SOCIAL	47.075 47.075			\$66,971 \$11,606	_	\$3,348	
SOCIAL SOCIAL	47.075 47.075			\$39,794 \$56,644	_	_	
SOCIAL SOCIAL	47.075 47.075			\$27,887 \$18,918	=	_	
SOCIAL SOCIAL	47.075 47.075			\$5,954 \$78,459	=	_	
SOCIAL SOCIAL	47.075 47.075			\$62,719 \$127,857	=	_ _ _	
SOCIAL SOCIAL SOCIAL	47.075 47.075 47.075			\$127,857 \$68,003 \$24,632	_	Ξ	
SOCIAL SOCIAL SOCIAL	47.075 47.075 47.075			\$24,632 \$2,987 \$124,179	_	_	
SOCIAL	47.075			\$124,179 \$112,451	_	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
SOCIAL SOCIAL	47.075 47.075			\$50,932 \$8.669	_	_	
SOCIAL SOCIAL	47.075 47.075 47.075			\$15,551 \$12,373	Ξ	=	
SOCIAL SOCIAL	47.075 47.075			\$77,796 \$25,437	=	=	
SOCIAL SOCIAI	47.075 47.075			\$8,602 \$246	Ξ	=	
SOCIAL SOCIAL	47.075 47.075 47.075			\$49.179 \$109.648	Ξ	Ξ	
SOCIAL SOCIAL	47.075 47.075 47.075			\$186,997 \$119,347	Ξ	Ξ	
SOCIAL SOCIAL	47.075 47.075			\$88,866 \$908	Ξ	=	
SOCIAL SOCIAL	47.075 47.075			\$72,565 \$20,256	=	=	
SOCIAL SOCIAL	47.075 47.075			\$17,154 \$52,015	=	=	
SOCIAL SOCIAL	47.075 47.075			\$1,623 \$1,850	Ξ	=	
SOCIAL SOCIAL	47.075 47.075			\$4,439 \$150,644	=	=	
SOCIAL SOCIAL	47.075 47.075			\$97,159 \$23,002	=	=	
SOCIAL SOCIAL	47.075 47.075			\$49,492 \$15.151	_	_	
SOCIAL SOCIAL	47.075 47.075			\$305 \$95.847	=	 \$49.614	
SOCIAL SOCIAL BEHAVIORAL SCIENCES	47.075 47.075			\$80,238 \$9,488	=	-	
SOCIAL BEHAVIORAL SCIENCES SOCIAL BEHAVIORAL SCIENCES	47.075 47.075			\$133 \$4,742	_	_	
SOCIAL BEHAVIORAL SCIENCES SOCIAL BEHAVIORAL SCIENCES	47.075 47.075			\$8,233 \$49,681	=	Ξ	
SOCIAL BEHAVIORAL SCIENCES SOCIAL BEHAVIORAL SCIENCES	47.075 47.075			\$6,316 \$6,413	Ξ	Ξ	
SOCIAL	47.075	SYRACUSE UNIVERSITY UNIVERSITY OF NORTH CAROLINA AT	2821404124S03		\$5,930	=	
SOCIAL SOCIAL	47.075 47.075	CHARLOTTE UNIVERSITY OF FLORIDA	2017008703SUN UFDSP00011551	_ _	\$44,578 \$18,745	_	
SOCIAL	47.075	ARIZONA STATE UNIVERSITY UNIVERSITY OF WISCONSIN AT	ASUB00000069	=	\$18,745 \$31,250	=	
SOCIAL SOCIAL	47.075 47.075	MADISON UNIVERSITY OF TEXAS AT SAN	808K850 1000001666	=	\$52,134 \$2,406	=	
SOCIAL	47.075	UNIVERSITY OF CALIFORNIA AT SANTA BARBARA	1000001666 КК1636	=	\$2,406	_	\$3,288,245
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076		1411000	\$72,051 \$82,405	-	 \$30,065	ψ0,E00,E40
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$932,424 \$318,606	_	\$47,747 \$26,568	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$4,047 \$20,183	=	920,300 —	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$39,675 \$4,837	=	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$27,100 \$41.839	Ξ	\$220	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076 47.076			\$3,993 \$16,745	=	- -	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$335,870 \$405.921	=	\$28,257	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$120,989 \$112,521	=	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$1,407 \$952	Ξ	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$128,190 \$36,513	=	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$2,738 \$48.664	_	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$580,768 \$177.261	=	\$70,870 \$130.616	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$90,971 \$39.806	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$5,592 \$180.376	=	\$30.697	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076 47.076			\$3,675 \$177,109 \$87,395	=======================================	Ξ	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076 47.076			\$81,048 \$13,051	=	Ξ	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$4,065 \$6,515	=	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$43,732 \$75,040	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$133,892 \$54,871	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$86,151 \$82,977	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$132,304 \$3,073	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$59,062 \$127,708	_	\$109,957	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$27,983 \$410,176	=	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$640,069 \$119,069	_	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$96,690 \$804,981	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$10,394 \$258,976		_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$124,131 \$139,721	- - - - - - - - -	\$28,948	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$43,918 \$13,564	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$101,159 \$47,452	_	=	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$320,177 \$46,253	_ _ _	_ _ _	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$14,824 \$117,605	_	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076			\$27,462 \$7,349	=	_	
EDUCATION AND HUMAN RESOURCES	47.076	CALIFORNIA STATE UNIVERSITY SAN BERNARDINO	GT14159	_	\$37,079	_	
EDUCATION AND HUMAN RESOURCES	47.076	COUNCIL OF GRADUATE SCHOOLS ROCHESTER INSTITUTE OF	NA	_	\$16,336	_	
EDUCATION AND HUMAN RESOURCES	47.076	TECHNOLOGY MIDDLE TENNESSEE STATE	3171901	=	\$7,276	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076	UNIVERSITY PRESIDENT AND FELLOWS OF	537225-77774-01/P0071007 1360135101128	_	\$32,388	_	
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES		HARVARD COLLEGE REGENTS OF THE UNIVERSITY OF		_	(\$14,584)	_	en 470 occ
POLAR PROGRAMS	47.076 47.078	CALIFORNIA	00009880	\$42,089 \$062.896	\$22,095 —	- \$07.025	\$8,476,655 \$42,089
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079 47.079 47.079			\$953,885 \$709,293 \$16,756	=	\$97,935 \$299,681	
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV	47947719B88	\$10,756	\$73,318	_	
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079	MICHIGAN TECHNOLOGICAL UNIVERSITY	1110090Z5 PO# P0090504		\$73,316	_	\$1,760,578
Total National Science Foundation: U.S. Department of Veterans Affairs:				\$82,235,739	\$3,795,352	\$16,489,268	\$86,031,091
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			(\$87) \$53,846	_	_	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$14,807 \$55,052	=	_	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$35,285 \$89,285	_	=	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
VETERANS BENEFITS ADMINISTRATION	64.000			\$58,856	-	-	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$5,001 \$21,385	_	_	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$35,357 \$12,606	_	_	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$37,910 \$50,845	=	=	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$154,568 \$24,713	=	Ξ	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$24,740 \$67,846 \$65.800		=	
VETERANS BENEFITS ADMINISTRATION	64.000			\$8,723	=	=	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$2,219 \$3,574	_	=	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$18,432 \$1,252 \$2,711	=	=	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000			\$40,465	_	=	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$1,948 \$11,727 \$28,667	_ _ _	=	
VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION VETERANS BENEFITS ADMINISTRATION	64.000 64.000			\$26,667 \$15,375 \$9,181	Ξ	=	
VETERANS BENEFITS ADMINISTRATION	64.00			\$18,863 \$18,952			\$970,952 \$970,952
Total U.S. Department of Veterans Affairs: Environmental Protection Agency: ENVIRONMENTAL PROTECTION AGENCY	66.000			\$970,952			\$970,952
ENVIRONMENTAL PROTECTION AGENCY ENVIRONMENTAL PROTECTION AGENCY ENVIRONMENTAL PROTECTION AGENCY	66.000 66.000			(\$3,154) \$129,216	Ξ	Ξ	
ENVIRONMENTAL PROTECTION AGENCY	66.000	AMEC FOSTER WHEELER WOOD ENVIRONMENT &	EPW16015	-	\$1.686	_	
ENVIRONMENTAL PROTECTION AGENCY	66.000	INFRASTRUCTURE SOLUTIONS INC NYS DEPARTMENT OF	C012506277	_	\$3,374	_	
ENVIRONMENTAL PROTECTION AGENCY	66.000	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM10700	=	\$57,140	_	
ENVIRONMENTAL PROTECTION AGENCY	66.000	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM10700	=	\$172,833	_	
ENVIRONMENTAL PROTECTION AGENCY LONG ISLAND SOUND PROGRAM	66.000 66.437	ENVIRONMENTAL CONSERVATION	AM10700		\$53,317	 \$91.310	\$430,739
LONG ISLAND SOUND PROGRAM	66.437	NATIONAL FISH AND WILDLIFE		\$2,552	-	_	
LONG ISLAND SOUND PROGRAM NATIONAL ESTUARY PROGRAM	66.437 66.456	FOUNDATION	1401 18 061462	\$204,794	\$2,985 —	\$183,923	\$137,244 \$204,794
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461 66.461			\$184 \$92,361	_	_	
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS GREAT LAKES PROGRAM	66.461 66.469			\$75.375 \$190,658	=	\$17,107	\$167.920
GREAT LAKES PROGRAM GREAT LAKES PROGRAM	66.469 66.469	STATE UNIVERSITY OF NEW YORK	C001263	\$117.871 —	\$9,540	=	
GREAT LAKES PROGRAM GREAT LAKES PROGRAM	66.469 66.469	CENTRAL MICHIGAN UNIVERSITY NYS DEPARTMENT OF	F62951 AM10871	-	\$239.219 \$34,519	-	
GREAT LAKES PROGRAM GREAT LAKES PROGRAM GREAT LAKES PROGRAM	66.469 66.469	ENVIRONMENTAL CONSERVATION INDIANA UNIVERSITY CORNELL UNIVERSITY	BL4339905SU GL00E02259	Ξ	\$1.444 \$425,365	=	
GREAT LAKES PROGRAM GREAT LAKES PROGRAM	66.469 66.469	CLARKSON UNIVERSITY CLARKSON UNIVERSITY	100621-3 PO89900 100621-2 PO# CLKSN-0000089722	Ξ	\$67.325 \$261,664	Ξ	\$1.347.605
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509	WATER ENVIRONMENT RESEARCH		\$245.063	_	\$39.441	***************************************
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM ENVIRONMENTAL PROTECTION CONSOLIDATED GRANTS FOR THE INSULAR	66.509	FOUNDATION NYS DEPARTMENT OF	STARWR3SG16	_	\$16,838	-	\$261,901
AREAS - PROGRAM SUPPORT ENVIRONMENTAL PROTECTION CONSOLIDATED GRANTS FOR THE INSULAR	66.600	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM09757	-	_	_	
AREAS - PROGRAM SUPPORT ENVIRONMENTAL PROTECTION CONSOLIDATED GRANTS FOR THE INSULAR	66.600	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM09757	_	\$61,647	_	
AREAS - PROGRAM SUPPORT	66.600	ENVIRONMENTAL CONSERVATION NYS DEPARTMENT OF	AM09757	_	\$134,975	-	\$196,622
PERFORMANCE PARTNERSHIP GRANTS Total Environmental Protection Agency:	66.605	ENVIRONMENTAL CONSERVATION	AM09358		\$4,177		\$4,177
				\$1,202,954	\$1,548,048	\$331,781	\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY	81.000			\$315,284			\$2,751,002
U.S. Department of Energy:	81.000 81.000	REGENTS OF THE UNIVERSITY OF			\$1,548,048 	\$331,781 	\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY		CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORATORY	7412488	\$315,284			\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000 81.000	CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LLC	353810	\$315,284	\$9,177 \$45,873		\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000	CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES		\$315,284	\$9,177		\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000	CALIFORNIA, LAWRENCE BERKELEY NATIONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LLC FLUOR MARINE PROPULSION LLC PACIFIC NORTHWEST NATIONAL	353810 125579	\$315,284	\$9,177 \$45,873 \$16,966		\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALIFORNIA, LAWRENCE BERKELEY NATONAL JABORATORY BROOKHAVEN SCIENCE ASSOCIATES LLC FLUOR MARINE PROPULSION LLC FLUOR MARINE PROPULSION LLC LAGGRATORY LAGGRATORY PACIFIC NORTHWEST NATIONAL LABORATORY LAGGRATORY AGGE ENGINEERING ASSOCIATES AGGE ENGINEERING ASSOCIATES	353810 125579 325820 4000160786 397747 TOA-344 FILE 3174.02	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085		\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALIFORNIA LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LLC FLUOR MARINE PROPULSION LLC FLUOR MARINE PROPULSION LL LABORATORY LABORATORY LABORATORY LABORATORY LABORATORY SAGE ENGINEERING ASSOCIATES	353810 125579 325820 4000160786 397747 170A-344 FILE 3174.02 TOA-324 FILE 3104.01	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404		\$2,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA, LAWFENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LUDOR MARNIE PROPULSION LLC PACIFIC NORTHWEST NATIONAL LABORATORY UT BATTELLE LLC PACIFIC NORTHWEST NATIONAL LABORATORY LABORATORY UT BATTELLE LLC SACRE TON STEPPIN SASSOCIATES SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES	353810 125579 325820 4000160786 397747 TOA-344 FILE 3174.02	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085		\$2,791,002
U.S. Department of Energy: DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LLC FLUOR MARINE PROPULSION LLC FLUOR MARINE PROPULSION LLC LABORATORY UT BATTELLE LLC PACIFIC NORTHWEST NATIONAL LABORATORY SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES PACIFIC NORTHWEST NATIONAL LABORATORY BATTELLE ENERGY ALLIANCE LLC LOS ALAMOS NATIONAL SECURITY LLC	353810 125579 325820 4000160786 397747 TOA-344 FILE 3174.02 TOA-324 FILE 3104.01 424398 171087 421987	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$28,548 \$71,854		\$2,791,002
U.S. Department of Energy: DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA, LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LUCR MARNIE PROPULSION LLC PACIFIC NORTHWEST NATIONAL LABORATORY UT BATTELLE LLC PACIFIC NORTHWEST NATIONAL LABORATORY LABORATORY EN AND ASSOCIATES SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES PACIFIC NORTHWEST NATIONAL LABORATORY BATTELLE ENERGY ALLIANCE LLC UT BATTELLE SHORN ASSOCIATES LOS ALAMOS NATIONAL SECURITY LLC UT BATTELLE SHORN ASSOCIATES LOS ALAMOS ON ATIONAL SECURITY LLC UT BATTELLE LLC BATELLE SHORN ALIANCE LLC BATTELLE SHORN ASSOCIATES LOS ALAMOS ON ATIONAL SECURITY LLC UT BATTELLE SHORN ASSOCIATES LOS ALAMOS ON ATIONAL SECURITY LLC BATTELLE SHORN ASSOCIATES LOS ALAMOS ENGINEERING ASSOCIATES LOS ALAMOS ON ATIONAL SECURITY LLC BATTELLE SHORN ASSOCIATES LOS ALAMOS ENGINEERING AS	353810 125579 325820 4000160786 3977.7 TOA-344 FILE 3174.02 TOA-324 FILE 3104.01 424938 171087 421987 4000152739	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$28,548 \$71,854 \$16,255 \$11,557 \$113,960		32,751,002
U.S. Department of Energy: DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA, LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LUCR MARNIE PROPULSION LLC PACIFIC NORTHWEST NATIONAL LABORATORY UT BATTELLE LLC PACIFIC NORTHWEST NATIONAL LABORATORY AND STELL STREET NATIONAL LABORATORY UT BATTELLE STREET NATIONAL LABORATORY UT BATTELLE STREET NATIONAL LABORATORY LABORATORY BATTELLE STREET NATIONAL LABORATORY LABOR	353810 128579 325820 4000160786 397747 10A-344 FILE 3174.02 10A-324 FILE 3104.01 424938 171087 421987 4000152739 4000152739 4400158883	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$28,548 \$71,854 \$16,255 \$11,557 \$113,960 \$88,702 \$75,182		32.791.002
U.S. Department of Energy: DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA, LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LUC MARKINE PROPULSION LLC PACIFIC NORTHWEST NATIONAL LABORATORY UT BATTELLE LLC PACIFIC NORTHWEST NATIONAL LABORATORY ANGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES AGE ENGINEERING ASSOCIATES AGE ENGINEERING ASSOCIATES CALE ENGINEERING ASSOCIATES CAL	353810 125579 325820 4000180786 397747 70A-344 FILE 3174.02 TOA-324 FILE 3104.01 424938 1171087 421987 421987 4400152739 185509 4000156883	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$28,548 \$71,854 \$11,557 \$113,960 \$86,702		32.791.002
U.S. Department of Energy: DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALIFORNIA LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LLC FLUOR MARINE PROPULSION LLC FLUOR MARINE PROPULSION LLC LABORATORY LABORATORY LABORATORY LABORATORY LABORATORY SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES PACIFIC NORTHWEST NATIONAL LABORATORY AGRIC HORTHWEST NATIONAL LABORATORY BATTELLE ENERGY ALLIANCE LLC LOS ALAMIOS NATIONAL SECURITY LLC BRITTELLE ENERGY ALLIANCE LLC US ALAMIOS NATIONAL SECURITY LLC BRITTELLE ENERGY ALLIANCE LLC US BATTELLE LLC BRITTELLE LLC BRITTELLE LLC BRITTELLE LLC BRITTELLE LLC BRITTELLE ENERGY ALLIANCE LLC UCHCAGO AGROONE LLC UCHCAGO AGROONE LLC UCHCAGO AGROONE LLC	353810 125579 325820 4000160786 397747 10A-344 FILE 3174.02 TOA-324 FILE 3104.01 424938 1171087 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937 421937	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$28,548 \$11,257 \$113,980 \$86,702 \$75,182 \$51,022		32.791.002
U.S. Department of Energy: DEPARTMENT OF ENERGY	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA, LAWRENCE BERKELEY NATONAL LABORATORY BROOKHAVEN SCIENCE ASSOCIATES LUC MARRINE PROPULSION LLC PACIFIC NORTHWEST NATIONAL LABORATORY UT BATTELLE LLC PACIFIC NORTHWEST NATIONAL LABORATORY ANGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES CALE OF THE STATE OF THE STATE OF THE SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES SAGE ENGINEERING ASSOCIATES CALE HORNOR WEST INTONAL LABORATORY BATTELLE ENERGY ALLIANCE LLC UCHCAGO ARGONNE LLC BATTELLE ENERGY ALLIANCE LLC UCHCAGO ARGONNE LLC BATTELLE ENERGY ALLIANCE LLC UCHCAGO ARGONNE LLC BATTELLE ENERGY ALLIANCE LLC MEMBRANE TECHNOLOGY AND RESEARCH INCORPORATED RES	353810 125579 325820 4000160786 397747 10A-324 FILE 3174.02 TOA-324 FILE 3104.01 424938 1171087 421987 4000152739 188509 404033 404033 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 40403 404	\$315,284	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$28,546 \$71,854 \$11,557 \$11,3690 \$86,702 \$75,132 \$13,913 \$13,913		32.791.002
U.S. Department of Energy	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALFORNIA, LAWRENCE BERKELEY NATIONAL LABORATORY PRODICTION OF ASSOCIATES LICE OF ASSOCIATES LICE OF ASSOCIATES LICE OF ASSOCIATES LICE OF ASSOCIATES ASSO	353810 125579 325820 4000160786 387747 10A-344 FILE 3174.02 TOA-324 FILE 3104.01 424938 171087 421987 421987 421987 4200152739 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 188509 1	\$315.284 \$203.237	\$9,177 \$45,873 \$16,986 \$10,153 \$20,085 \$17,918 \$5,046 \$5,040 \$28,848 \$71,884 \$16,555 \$11,557 \$18,6702 \$75,182 \$51,022 \$10,683 \$77,801		32.791.002
U.S. Department of Energy	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALIFORNIA, LAWRENCE BERKELEY NATIONAL ASDRATORY BROOKHAVEN SOENCE ASSOCIATES LUC MEMBER PROPULSION ILLC FLORENCE PROPULS ON THE PROPULSION ILLC FLORENCE PROPULS ON THE PROPULSION ILLC FLORENCE PROPULS ON THE PROPULS	353810 125579 325820 4000160786 397747 10A-344 FILE 3174.02 TOA-324 FILE 3104.01 424938 171087 421987 421987 19400156883 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053	\$315.284 \$203.237	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,93 \$1,085 \$71,884 \$16,255 \$11,557 \$113,560 \$1,510 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801 \$1,7,801		
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\$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$31,227 \$3	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$1,085 \$5,404 \$28,548 \$71,854 \$11,557 \$11,560 \$68,702 \$75,182 \$51,023 \$77,801 \$17,160 \$53,780 \$68,702 \$77,1854	\$1,258,033 \$1,258,033 \$1,258,033 \$1,258,033	\$1.490.981
U.S. Department of Energy DEPA	81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000 81.000	CALIFORNIA, LAWRENCE BERKELEY NATIONAL ASDRATORY BROOKHAVEN SOENCE ASSOCIATES LUC MEMBER PROPULSION ILLC FLORENCE PROPULS ON THE PROPULSION ILLC FLORENCE PROPULS ON THE PROPULSION ILLC FLORENCE PROPULS ON THE PROPULS	353810 125579 325820 4000160786 397747 10A-344 FILE 3174.02 TOA-324 FILE 3104.01 424938 171087 421987 421987 19400156883 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 194053 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\$310.227 \$310.227 \$310.227 \$310.227 \$310.227 \$310.227 \$310.227 \$310.227 \$31	\$9,177 \$45,873 \$16,966 \$10,153 \$20,085 \$17,913 \$1,085 \$5,404 \$2,8,546 \$71,854 \$115,57 \$113,695 \$35,022 \$106,833 \$77,801 \$17,160 \$53,799 \$64,398 \$63,399 \$64,398 \$63,399 \$64,398	\$70.776 \$11.310	\$1.490.981

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	expenditures by CFDA and federal grantor
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049			\$396,344	_	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$26,149 \$165.679	=	\$46.434	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$107,475 \$129.402	_	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$121,079 \$117,312	_	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$179,194 \$92,301	=	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049			\$125,199	_	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$180,251 \$322,287	=	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$94,049 \$659,962	_	\$177,398	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049			\$76,714 \$516,104	=	Ξ	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	ECOLONG LIMITED LIABILITY CORPORATION	N/A		\$28.413		
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	PHYSICAL OPTICS CORPORATION INTELLISENSE SYSTEMS	DE-SC0015190	Ξ	\$15,616	Ξ	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	INCORPORATED	DE-SC0015190	_	\$80,135	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	CENTRAL MICHIGAN UNIVERSITY CORNELL UNIVERSITY	F62988 85989-11161		\$111,009 \$68,253	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	KITWARE INCORPORATED HELIOS-NRG LLC	K00248900S02 DESC0018956001	=	\$25,029 \$74,976	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	FLORIDA STATE UNIVERSITY HELIOS-NRG LLC	R02007 DESC0017077SUNYAB2	=	\$87,590 \$56.864	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	278191		\$40,777		
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	SANDIA NATIONAL LABORATORIES	1577660	=	(\$16)	Ξ	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF WASHINGTON AERODYNE RESEARCH	BPO10955	_	\$105,319	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	INCORPORATED LOS ALAMOS NATIONAL SECURITY LLC	ARI111251 367958	_	\$144,852 \$310,376	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81 049	BROOKHAVEN SCIENCE ASSOCIATES	308451	_	(\$15.003)	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	UT BATTELLE LLC UT BATTELLE LLC	4000148410 4000148409	_	\$8.889 \$50.396	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF CALIFORNIA AT DAVIS	201603457-03	=	\$132,232	Ξ	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	001035-16153	_	\$183,596	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	319443	=-	\$4,856	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	REGENTS OF THE UNIVERSITY OF CALIFORNIA	2095 G VA116	_	\$82,617	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	PENNSYLVANIA STATE UNIVERSITY DELAWARE DIAMOND KNIVES	5490SUNYSBDOE1090	-	\$25,121	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	INCORPORATED	SBIR 1 22672	_	\$85,079	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	TRUSTEES OF PRINCETON UNIVERSITY TRUSTEES OF PRINCETON UNIVERSITY	S015776-P S015775	=	\$51.772 \$85.886	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	1(GG008598-02)	_	\$19,966	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	339931	_	\$171,611	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	341921		\$229.122		
		BROOKHAVEN SCIENCE ASSOCIATES		_		_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	LLC MICHIGAN STATE UNIVERSITY	341762 RC107788 SBU	=	\$18,164 \$136,070	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	346417	_	\$48,008	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	347232	_	\$20,464	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	349444		\$21,145		
		BROOKHAVEN SCIENCE ASSOCIATES		_		_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC LAWRENCE BERKELEY NATIONAL	349035	_	\$21,732	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	LABORATORY TELLURIC LABS LLC	7418390 NA	= =	\$45,407 \$54,043	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	SANDIA NATIONAL LABORATORIES UNIVERSITY OF DELAWARE	PO 1955692 51426	_	\$49,509 \$4,008	=	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	1(GG008598-03)	_	\$25,674	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	RUTGERS UNIVERSITY UNIVERSITY OF MINNESOTA	PO 939747 SUB 0670 A004527505	=	\$95.151 \$17,771	_	
		PRESIDENT AND FELLOWS OF		_		_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	HARVARD COLLEGE BROOKHAVEN SCIENCE ASSOCIATES	130298-5111350	_	\$85,110	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	355864	_	\$44,198	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	357640	-	\$47,099	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC ALLIANCE FOR SUSTAINABLE ENERGY	357700	-	\$35,071	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC	XCE-9-92036-01	_	\$14,702	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LAWRENCE BERKELEY NATIONAL LABORATORY	7443957	_	\$16,562	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	SKYRE INCORPORATED PURDUE UNIVERSITY	DE-EE0008423-SBU 14000380-008	= =	\$28,157 \$10,078	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	358980	_	\$29.070	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	360682	_	\$5,595	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	RADIATION MONITORING DEVICES INCORPORATED	C19-27		\$5,536		
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	TELLURIC LABS LLC	DE-SC0017156	=	\$68,245	Ξ	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	362085	_	\$6,000	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	TELLURIC LABS LLC MASSACHUSETTS INSTITUTE OF	DE-SC0017156	_	\$2,035	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	TECHNOLOGY MASSACHUSETTS INSTITUTE OF	S4565 PO 176253	-	\$30,006	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	TECHNOLOGY BROOKHAVEN SCIENCE ASSOCIATES	S4803 PO 303782	_	\$15,319	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	243787	_	(\$2,752)	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC	249024	_	\$42,236	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	252993	=.	\$34,724	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	279312	_	\$8,216	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	267465		\$47,361		
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	267077		\$8.216		
		LLC BROOKHAVEN SCIENCE ASSOCIATES		_		_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	279307	_	\$8,370	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	267472	_	\$22,660	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	278008	-	\$6	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	285034	-	\$473	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC	288447	_	\$49,758	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	289986	-	\$11,262	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	294250	_	\$42,928	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	295283		\$6,341	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	295885	_	\$46,148		
		BROOKHAVEN SCIENCE ASSOCIATES		_		_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	296120	_	\$43,902	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	299418	=	(\$11,013)	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	299425	-	\$48,024	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LTC	309944	-	\$48,510	-	

		Supplementary Schedule of Expendit Year ended June 30					
Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
		BROOKHAVEN SCIENCE ASSOCIATES					
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	BROOKHAVEN SCIENCE ASSOCIATES	313056 314480	_	\$7,364 \$48,471	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	312631	_	\$21,415	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	315223	_	\$45,689	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES	315617	-	\$50,051	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	317196	_	\$46,296	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	315845	-	\$43,667	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	319267	_	\$1,002,931	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	321431	-	\$14,228	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	322325	_	\$22,856	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	327976 329688	_	\$49,246 \$62,610	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	329810	_	\$8,216	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	330943	_	\$37,910	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	332593	-	\$49,622	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES	332991	_	\$48,490	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	332867	-	\$49,446	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	330063	-	\$48,754	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	331990	_	\$49,090	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	329690	-	\$125	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	329687	-	\$54,589	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	337357	_	\$12,538	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES LLC	335324 336875	_	\$2,571 \$50,845	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	337120	_	\$42,676	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	340812	_	\$25,164	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	341133	_	\$14,022	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	341815	_	\$3,796	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	340946	_	\$45,652	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES	341808	-	\$5,488	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	341702	-	\$45,796	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	341627	_	\$31,946	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	340949	-	\$41,979	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	342311	_	\$787	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	341816	-	\$46,199	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	342355	_	\$46,863	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	BROOKHAVEN SCIENCE ASSOCIATES	343575 344873	_	\$49,915 \$29,439	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	346901	_	\$29,439	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	346833	_	\$50,132	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	347169	_	\$51,467	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	347159	-	\$48,959	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES	347173	_	\$44,087	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	347222	=	\$50,132	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	347603	_	\$77,435	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	349368	=	\$8,095	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	349816	-	\$13,601	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	350075	-	\$11,799	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	337357	_	\$5,207	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	BROOKHAVEN SCIENCE ASSOCIATES	352162 351171	_	\$51,818 \$35,047	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	348643	_	\$35,047	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	352609	_	\$52,610	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	352784	_	\$39,023	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	353381	_	\$42,400	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	354411	=	\$34,363	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	355423	_	\$21,703	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC BROOKHAVEN SCIENCE ASSOCIATES	355535	_	\$37,404	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	355892	_	\$26,065	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	355728	_	\$21,963	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	359707	=	\$21,432	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	359365	_	\$18,850	-	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES	359167	_	\$19,213	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES	360189	=	\$17,247	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	LLC BROOKHAVEN SCIENCE ASSOCIATES LLC	361633 365376	_	\$12,693 \$1,309	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	365376 365472	_	\$1,309 \$961	_	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	BROOKHAVEN SCIENCE ASSOCIATES LLC	365069	_	\$664	_	\$20,770,726
CONSERVATION RESEARCH AND DEVELOPMENT CONSERVATION RESEARCH AND DEVELOPMENT	81.086 81.086			\$2,444 \$2,389	=	=	
CONSERVATION RESEARCH AND DEVELOPMENT CONSERVATION RESEARCH AND DEVELOPMENT	81.086 81.086			\$446,101 \$2,038	=	=	
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			\$138,884	_	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			\$232,667	_	-	
CONSERVATION RESEARCH AND DEVELOPMENT CONSERVATION RESEARCH AND DEVELOPMENT	81.086 81.086			\$194,889 \$107.869	=	=	
CONSERVATION RESEARCH AND DEVELOPMENT CONSERVATION RESEARCH AND DEVELOPMENT	81.086 81.086	NORTH CAROLINA STATE UNIVERSITY	2014-0654-69	\$29,228 —	\$82,318	=	
CONSERVATION RESEARCH AND DEVELOPMENT RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.086 81.087	CARNEGIE MELLON UNIVERSITY	1070228-377286	(\$22.680)	\$54,085	=	\$1,292,912
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087 81.087			\$1,217,816 \$586,794	=	 \$247.427	
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	BATTELLE ENERGY ALLIANCE LLC AMERICAN SUPERCONDUCTOR	219439	-	\$5,353	-	
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	CORPORATION	59926	_	(\$8,559)	_	
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087 81.087	GINER INC CARNEGIE MELLON UNIVERSITY	DEEE0008075 1070234390205		\$139,144 \$181,529	=	
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INCORPORATED	FY2019079	_	\$6,555	_	
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087 81.087	GINER INC TRUSTEES OF INDIANA UNIVERSITY	402550 IN4395531SUNY	_	\$12,625 \$38,158	_	
NEILEWISE ENERGY RESERVOITING DEVELOR MENT	01.007	CONSORTIUM FOR RESEARCH ON RENEWABLE INDUSTRIAL MATERIALS	11403030100111		450,150		
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	(CORRIM)	1018		\$10,810		\$2,167,545
FOSSIL ENERGY RESEARCH AND DEVELOPMENT FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089 81.089			\$49,991 \$6.055	_	\$788 —	
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	GENERAL ELECTRIC GLOBAL RESEARCH	401071968	_	\$3,170	_	
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81 089	GENERAL ELECTRIC GLOBAL RESEARCH	401112125	_	\$47,327	_	\$106.543
STEWARDSHIP SCIENCE GRANT PROGRAM STEWARDSHIP SCIENCE GRANT PROGRAM	81.112 81.112	NEOE/WO!	401112120	\$135,779 \$28.635	-	=	¥100,040
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112	UNIVERSITY OF ROCHESTER	417190G		\$21,614	Ξ	
STEWARDSHIP SCIENCE GRANT PROGRAM STEWARDSHIP SCIENCE GRANT PROGRAM	81.112 81.112	UNIVERSITY OF ROCHESTER UNIVERSITY OF ROCHESTER	417541G/UR FAO GR510912 416231G	_	\$1,850 \$240,685	_	
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112	UNIVERSITY OF ROCHESTER LAWRENCE LIVERMORE NATIONAL	417530G / UR FAO GR510906	_	\$162.158	_	\$590.721
NUCLEAR ENERGY RESEARCH DEVELOPMENT AND DEMONSTRATION	81.121	LABORATORY LAWRENCE LIVERMORE NATIONAL	B626462	_	\$29,721	_	
NUCLEAR ENERGY RESEARCH DEVELOPMENT AND DEMONSTRATION	81.121	LABORATORY HONEYWELL FEDERAL	B632032	_	\$53,763	_	\$83,484
NATIONAL NUCLEAR SECURITY ADMINISTRATION(NNSA) MINORITY SERVING		MANUFACTURING & TECHNOLOGIES					
INSITUTIONS (MSI) PROGRAM	81.123	LLC BOARD OF TRUSTEES OF THE LELAND	N000291030	_	\$15,166	_	\$15,166
PREDICTIVE SCIENCE ACADEMIC ALLIANCE PROGRAM ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.124 81.135	STANFORD JUNIOR UNIVERSITY	60541887-107908	 \$260.097	\$25,133	 \$65.369	\$25,133
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135 81.135 81.135			\$84,297	Ξ	\$1,872	
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135			\$236,990 \$439,282	=	\$178,748 \$224,020	
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135 81.135	COLUMBIA UNIVERSITY	3 GG008711	\$566,156 —	\$437,479	\$282,417	
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135 81.135	BETTERGY CORPORATION GINER INC	DEAR0000817 DEAR0000814	=	\$23,133 \$148,874	Ξ	\$2.196.308
Total U.S. Department of Energy:	01.100	ONE NO	BE7410000014	\$19,204,953	\$9,539,966	\$3,441,843	\$28,744,919
U.S. Department of Education: FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION	84.116	EXCELSIOR COLLEGE	P116F150077	_	\$67,277	_	\$67,277
REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C026892	_	\$467	_	\$467
EDUCATION RESEARCH DEVELOPMENT AND DISSEMINATION EDUCATION RESEARCH DEVELOPMENT AND DISSEMINATION	84.305 84.305			\$29,304 \$342.296	-	S170.397	****
EDUCATION RESEARCH DEVELOPMENT AND DISSEMINATION	84.305	KATHOLIEKE UNIVERSITEIT LEUVEN	R305D15000703	3342.296	\$16,944	3170.397	
EDUCATION RESEARCH DEVELOPMENT AND DISSEMINATION	84.305	OREGON STATE UNIVERSITY	ED162AB	_	\$45,217	_	
EDUCATION RESEARCH DEVELOPMENT AND DISSEMINATION	84.305	FLORIDA INTERNATIONAL UNIVERSITY MIDDLE TENNESSEE STATE	80000760301UG	_	\$275,520	_	
EDUCATION RESEARCH DEVELOPMENT AND DISSEMINATION RESEARCH IN SPECIAL EDUCATION	84.305 84.324	UNIVERSITY	537207-77774 / P0068457	 \$221.091	\$61,768	 \$150.940	\$771,049
RESEARCH IN SPECIAL EDUCATION	84.324			\$409.576		\$176.672	
RESEARCH IN SPECIAL EDUCATION TEACHER QUALITY PARTNERSHIP GRANTS	84.324 84.336	CANISIUS COLLEGE	N/A	\$74.626	\$2,467	_	\$633,134 \$74.626
PERFORMANCE PARTNERSHIP PILOTS FOR DISCONNECTED YOUTH Total U.S. Department of Education:	84.420	NYS EDUCATION DEPARTMENT	018009	\$1,076,893	\$54,759 \$524,419	\$498,009	\$54,759 \$1,601,312
National Archives and Records Administration: NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS	89.003			\$88.392	_	\$23.386	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS	89.003 89.003			\$88,392 \$36,622		\$23,386	\$125,014
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL National Archives and Records Administration: U.S. Department of Health and Human Services:	89.003			\$36,622 \$125,014		\$23,386	\$125,014 \$125,014
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000			\$36,622 \$125,014 \$1,444,243 \$1,471,375	<u>=</u> =		
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOtal National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH NAD HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000			\$36,622 \$125,014 \$1,444,243	<u>=</u> 	\$23,386 \$193,823	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000	HEALTH RESEARCH INC	N/A P00000232764	\$36,622 \$125,014 \$1,444,243 \$1,471,375	 \$33,097	\$23,386 \$193,823	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE	N/A P00000232754	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	=	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION	PO0000232754 3101070577502	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOX BIO LIMITED BOARD OF TRUSTEES OF THE	PO000232754 3101070577502 ATB202	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOX BIO LIMITED BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM SILAND PEER REVIEW ORGANIZATION	PO0000232754 3101070577502	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONIVEALTH SYSTEM OF HIGHER EDUCATION ATOX BIO LMITED BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY OF TRUSTEES OF TRUSTEES OF TRUSTEES OF	PO0000232754 3101070577502 ATB202 20070AND19980 NA	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33.097 \$30.835 \$6,213 \$19,407 \$520 \$103,601	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOLIA Mational Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOX BO LIMITED SOUTH THE UNIVERSITY OF ALBEMMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION NEUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY	PO0000232754 3101070577502 ATB202 200702AND19980 NA R01HL117832/COLUM-0000112270	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOX BIO LIMITED BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BRIMINGHAM STRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOLIA Mational Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION THE DUCATION OF THE BOARD OF TRUSTEES OF THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY AND THE CITY OF THE WORD OF NEW YORK.	PO0000232754 3101070577502 ATB202 200702AND19980 NA R01HL117832/COLUM-0000112270	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION OF TRUSTEES OF THE LOW THE COMMONWEALTH SYSTEM OF ALBAMM BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS Total National Archives and Records Administration: U.S. Department of Health and Human Services: DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AT AN EXPENSIVE OF HIGHER EDUCATION ATOM SOLIMITED ATOM SOLIMITED ATOM SOLIMITED ATOM SOLIMITED ATOM SOLIMITED ATOM SOLIMITED ATOM SOLIMINES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/COLUM14793	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33.097 \$30.835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND ADMINISTRATION: U.S. Department of Health AND HUMAN SERVICES	89.003 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOM SO IMMED AT A SOUTH OF	PO0000232754 3101070577502 ATB202 20070AND1980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/COLUM14793 R01HL128497/PO COLUM0000112259	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATIONS AND	89.003 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOX BO LIMITED BOARD STORM THE B	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/ COLUM14793 R01HL12849/PO COLUM0000112259 R01HL132347 COLUM00000112328	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$56,594	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES	89.003 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION UNITED BOARD OF TRUSTEES OF THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IT RUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PO CDLUM0000109951 R01HL128310/ CDLUM114793 R01HL128497/PO CDLUM0000112259 R01HL132347 CDLUM0000112328 R01HL134885/CDLUM-0000088534 CMLUM 0000110495 NA	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATIONS AND	89.003 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOM SO IMMED AT A STEM OF HIGHER EDUCATION ATOM SO IMMED ATOM SO IMMED ATOM SO IMMED AT A STEM OF A LABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION INTUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK LIC	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/ COLUM114793 R01HL128497/PO COLUM0000112259 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 COLUM 0000110495	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$56,594	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND ADMINISTRATION: U.S. Department of Health and Human Services	89.003 83.000 83.000 83.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000 93.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATOX BO I MINED A	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PO CDLUM0000109951 R01HL128310/ CDLUM114793 R01HL128497/PO CDLUM0000112259 R01HL132347 CDLUM0000112328 R01HL134885/CDLUM-0000088534 CMLUM 0000110495 NA	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$30,835 \$6,213 \$6,213 \$19,407 \$520 \$103,801 \$1,498 \$31,415 \$26,474 \$37,000 \$30,686 \$41,388	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION THE DUCATION THE	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/ COLUM114793 R01HL128497/PO COLUM0000112259 R01HL132347 COLUM0000112328 R01HL132347 COLUM-000018534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL14609 COLUM-0000130105	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,499 \$31,415 \$26,474 \$31,454 \$37,000 \$30,6694 \$11,388 \$14,234 \$15,662 \$9,005	\$23,396 \$193,823 \$340,904	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND	88.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION INTED BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION INTUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANHATTAN BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANHATTAN BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANHATTAN BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANHATTAN BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK WANHATTAN BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK WANHATTAN FOR THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	PO0000232754 3101070577502 ATB302 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/COLUM14793 R01HL128310/COLUM14793 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL134985/COLUM-0000088534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL141609	\$36.622 \$125.014 \$1,444.243 \$1,471,375 \$46,171	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,562 \$31,656 \$11,234 \$15,562	\$23,386 \$193,823 \$348,904 —	
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN	88.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND THE STATE OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND THE STATE OF THE	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PO CDLUM0000109951 R01HL128310/CDLUM1140793 R01HL128310/CDLUM14793 R01HL128497/PO CDLUM0000112259 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132387 CDLUM-0000088534 CDLUM 0000110495 NA R01HL137818 CDLUM-0000127733 R01HL141609 CDLUM-0000130105 NA	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$42,234 \$11,284 \$15,562 \$90,005 \$56,590	\$23,366 \$193,823 \$346,904	\$125,014
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEALTH	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION ATON BO I MITED ATON ATON ATON ATON ATON ATON ATON ATON	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/ COLUM14793 R01HL128497/PO COLUM0000112259 R01HL13247 COLUM0000112258 R01HL13247 COLUM0000112328 R01HL134786S/COLUM-0000088534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL1441609 COLUM-0000130105 N/A N/A 183438PO2000037059	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$10,3601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,086 \$56,594 \$11,388 \$14,234 \$15,562 \$59,005 \$66,359 \$1,081 \$33,446	\$23,366 \$193,823 \$346,904	\$125,014
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATIONS AND RECORDS GRANTS TOTAL MATIONAL PUBLICATIONS AND	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION BUILDING	PO0000232754 3101070577502 ATB202 20070AND19890 NA R01HL117832/COLUM-0000112270 UZ4AG052175/PO COLUM0000109951 R01HL128310/ COLUM14793 R01HL128310/ COLUM14793 R01HL132847/PO COLUM0000112259 R01HL132347 COLUM0000112328 R01HL134985/COLUM-0000088534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL137818 COLUM-0000127733 R01HL141609 COLUM-0000130105 NA	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,801 \$1,498 \$31,415 \$26,474 \$31,454 \$37,0086 \$65,594 \$11,389 \$14,234 \$15,565 \$9,005 \$56,594 \$15,665	\$23,366 \$193,823 \$346,904	\$125,014
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL MISTORICAL PUBLICATIONS AND	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION BUILDING	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/ COLUM14793 R01HL128497/PO COLUM0000112259 R01HL132347 COLUM0000112258 R01HL132347 COLUM0000112328 R01HL13489S/COLUM-0000088534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL137818 COLUM-0000127733 R01HL1414609 COLUM-0000130105 N/A N/A 183438PO2000037059	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$10,3601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,086 \$56,594 \$11,388 \$14,234 \$15,562 \$59,005 \$66,359 \$1,081 \$33,446	\$23,366 \$193,823 \$346,904	\$125,014
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEA	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION INTED BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION INTUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATATION BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATATION BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATATION BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK IN THE WORK IN THE YORK IN THE Y	PO0000232754 3101070577502 ATB202 20070AND19890 NA R01HL117832/COLUM-0000112270 UZ4AGG52175/PO COLUM0000109951 R01HL128310/ COLUM14783 R01HL128310/ COLUM0000112259 R01HL132347 COLUM0000112258 R01HL132347 COLUM0000112328 R01HL134985/COLUM-0000088534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL141609 COLUM-0000130105 N/A N/A 183438PO2000037059 19193758PO2000043075	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$5201 \$1,498 \$31,415 \$26,474 \$31,454 \$37,006 \$40,006 \$56,594 \$11,388 \$14,224 \$15,562 \$9,006 \$56,593 \$1,061 \$33,446 \$95,700	\$23,366 \$193,823 \$346,904	\$125,014 \$3,478,192 \$119,146
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH	88.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION INTED AND AND THE STATEMENT OF T	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PD COLUM0000109951 R01HL128310/COLUM14793 R01HL128310/COLUM14793 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132985/COLUM-000018534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL141609 COLUM-0000130105 N/A N/A 183438PO2000037059 19193738PO2000043075 566402 FFSDA0381017 025893354609	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$103,601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$65,694 \$11,264 \$15,562 \$65,599 \$1,061 \$33,446 \$85,700 \$13,045 \$15,562 \$15,562 \$15,562 \$15,562 \$15,563 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562 \$15,562	\$23,366 \$193,823 \$346,904	\$125,014 \$3,478,192 \$119,146 \$136,202
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK IN	PO0000232754 3101070577502 ATB202 ATB202 20070AND19980 NA R01HL17832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/COLUM114793 R01HL128310/COLUM114793 R01HL128497/PO COLUM0000112259 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL134895/COLUM-000008534 COLUM-000010495 NA R01HL137818 COLUM-0000127733 R01HL137818 COLUM-0000127733 R01HL137818 COLUM-0000127733 R01HL137818 COLUM-0000127735 NA 183438PO2000037059 19193758PO2000043075 566402 RFSDA0381017	\$38.622 \$125.014 \$1.44.243 \$1.47.253 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,086 \$56,594 \$11,388 \$14,234 \$15,562 \$9,005 \$56,359 \$1,081 \$33,446 \$85,700 \$136,202 \$15,935	\$23,366 \$193,823 \$346,904	\$3,478,192 \$119,146 \$136,202 \$15,935
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS US. Department of Health and Human Services DEPARTMENT OF HEALTH A	88.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF SOUTH CAROLINA UNIVERSITY OR SOUTH CAROLINA	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/COLUM-0000112270 U24AG0852175/PO COLUM0000109951 R01HL128497/PO COLUM0000112259 R01HL128497/PO COLUM0000112328 R01HL132347 COLUM0000112328 R01HL134985/COLUM-0000088534 COLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL141609 COLUM-0000130105 NA N/A N/A 183438PO2000037059 19193758PO2000043075 566402 RFSDA0381017 025983354609 NA	\$38,622 \$125,014 \$1,444,243 \$1,771,775 \$46,171 	\$33,097 \$30,835 \$6,213 \$19,407 \$103,601 \$1,498 \$31,415 \$26,474 \$31,562 \$103,686 \$11,234 \$15,562 \$9,005 \$56,594 \$11,888 \$14,234 \$15,662 \$9,005 \$103,686 \$15,562 \$10,055 \$10,456 \$10,253 \$10,456 \$10,253	\$23,386 \$193,823 \$346,904	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH SOURD HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEAL	88.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR ANY STEM OF HIGHER EDUCATION FUNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER FEVER VORK IN TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK I	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000109951 R01HL128310/ COLUM14793 R01HL128310/ COLUM14793 R01HL138310/ COLUM14793 R01HL138347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132818 COLUM-0000127733 R01HL141609 COLUM-0000130105 N/A N/A 183438PO2000037059 19193758PO2000043075 566402 RFSDA0381017 025893354609 N/A A035221 380985-CPR	\$38,622 \$125,014 \$1,444,243 \$1,771,775 \$46,171 	\$33,097 \$30,835 \$6,213 \$19,407 \$103,801 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$56,594 \$11,234 \$15,562 \$9,005 \$56,539 \$1,061 \$33,446 \$85,700 \$136,202 \$15,035 \$10,458 \$102,230 \$228,410 \$15,057	\$23,386 \$193,823 \$346,904	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEA	89.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND CONTROL OF TRUSTEES OF THE UNIVERSITY OF TALMANM BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ITRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ITRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK IN THE CITY OF NEW YOR	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PO CDLUM0000109951 R01HL128310/CDLUM114793 R01HL128310/CDLUM114793 R01HL128310/CDLUM10000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132987 CDLUM0000112328 R01HL132985/CDLUM-0000123733 R01HL141609 CDLUM-0000130105 NA NIA 183438PO2000037059 19193738PO2000043075 566402 RFSDA0361017 025893354609 NA A035221 360985-CPR 90FK0104-03-00	\$38,622 \$125,014 \$1,444,243 \$1,771,775 \$46,171 	\$33,097 \$30,035 \$6,213 \$19,407 \$520,001 \$1,498 \$31,415 \$26,474 \$31,454 \$31,454 \$31,454 \$31,454 \$31,454 \$31,454 \$31,456 \$30,686 \$56,594 \$11,288 \$14,224 \$15,562 \$1,061 \$33,446 \$85,700 \$15,662 \$15,065 \$10,458 \$10,230 \$228,410 \$15,057 \$44,047	\$23,386 \$193,823 \$346,904	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,488 \$330,640
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR ANY STEM OF HIGHER EDUCATION FUNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER FEVER VORK IN TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTESS OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK I	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000109951 R01HL128310/ COLUM14793 R01HL128310/ COLUM14793 R01HL138310/ COLUM14793 R01HL138347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132818 COLUM-0000127733 R01HL141609 COLUM-0000130105 N/A N/A 183438PO2000037059 19193758PO2000043075 566402 RFSDA0381017 025893354609 N/A A035221 380985-CPR	\$38,622 \$125,014 \$1,444,243 \$1,771,775 \$46,171 	\$33,097 \$30,835 \$6,213 \$19,407 \$103,801 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$56,594 \$11,234 \$15,562 \$9,005 \$56,539 \$1,061 \$33,446 \$85,700 \$136,202 \$15,035 \$10,458 \$102,230 \$228,410 \$15,057	\$23,366 \$193,823 \$348,904	\$125,014 \$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH	88.003 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION AND CONTROL OF TRUSTEES OF THE UNIVERSITY OF TALMANM BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ITRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK ITRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK IN THE CITY OF NEW YOR	PO0000232754 3101070577502 ATB3202 20870AND19980 NA R01HL117832/COLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/ COLUM114793 R01HL128310/ COLUM114793 R01HL132347 COLUM0000112328 R01HL132347 COLUM0000112328 R01HL132347 COLUM-0000112328 R01HL134985/COLUM-0000123733 R01HL141609 COLUM-0000130105 NA R01HL137818 COLUM-0000127733 R01HL141609 COLUM-0000130105 NA NA R0183438PO2000037059 19193758PO2000043075 566402 RFSDA0381017 025893354609 NA A036221 360985-CPR 90FK0104-03-00 90FK0104-04-00	\$38.622 \$125.014 \$1.44.243 \$1.47.257 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$41,234 \$15,562 \$9,005 \$56,599 \$1,061 \$33,446 \$85,700 \$10,61 \$33,446 \$35,700 \$10,61 \$35,700 \$10,61 \$35,700 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61 \$10,61	\$23,386 \$193,823 \$346,904	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEA	89.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR THE STEEL OF THE EDUCATION FUNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION FUNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION FUNIVERSITY OF THE STEEL OF THE S	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000119951 R01HL128310/CDLUM10000112259 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112338 R01HL134985/CDLUM-0000127733 R01HL141609 CDLUM-0000130105 N/A N/A 183438PO2000037059 19193738PO2000043075 566402 FFSDA0381017 025893354609 N/A A035221 360985-CPR 90FK0104-03-00 90FK0104-04-00	\$38.622 \$125.014 \$1.444.243 \$1.771.375 \$46.771 	\$33,097 \$30,835 \$6,213 \$19,407 \$103,801 \$1,498 \$31,415 \$26,474 \$31,454 \$37,000 \$30,686 \$56,594 \$11,234 \$15,562 \$9,005 \$16,681 \$33,446 \$85,700 \$136,202 \$15,057 \$44,047 \$67,156 \$15,967	\$23,366 \$193,823 \$346,904 	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640 \$126,262 \$76,816 \$65,618
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEALTH	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OR SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL17832/CDLUM-0000112270 U24AG052175/PO COLUM0000109951 R01HL128310/CDLUM114793 R01HL128310/CDLUM114793 R01HL128497/PO COLUM0000112328 R01HL132347 COLUM0000112328 R01HL134985/CDLUM-0000088534 CDLUM 0000110495 NA R01HL137818 COLUM-0000127733 R01HL141609 COLUM-0000130105 N/A 183438PO2000037059 19193758PO2000043075 566402 RFSDA0361017 02589334609 N/A A035221 360985-CPR 90FK0104-03-00 90FK0104-03-00 90FK0104-00-00 025365464609	\$36,622 \$125,014 \$1,444,243 \$1,771,377 \$46,171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520,835 \$103,801 \$1,498 \$31,415 \$26,474 \$31,454 \$37,006 \$30,686 \$56,594 \$11,388 \$14,234 \$15,562 \$9,005 \$56,599 \$1,061 \$33,446 \$85,700 \$15,062 \$1,061 \$33,446 \$85,700 \$15,067 \$44,047 \$67,158 \$15,057	\$23,366 \$193,823 \$346,904	\$125,014 \$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS US. Department of Health and Human Services DEPARTMENT OF HEALTH A	89.003 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000 83.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR ANY OF TRUSTEES OF THE UNIVERSITY OF THE ROAD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF ALEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA HEALTH RESEARCH INC PENNSYLVANIA STATE UNIVERSITY ICAH'N SCHOOL OF MEDICINE AT MOUNT SINAI SCHOOL OF MEDICINE	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000119951 R01HL128310/CDLUM10000112259 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112338 R01HL134985/CDLUM-0000127733 R01HL141609 CDLUM-0000130105 N/A N/A 183438PO2000037059 19193738PO2000043075 566402 FFSDA0381017 025893354609 N/A A035221 360985-CPR 90FK0104-03-00 90FK0104-04-00	\$36.622 \$125.014 \$1.444.243 \$1.771.375 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520,835 \$103,801 \$1,498 \$31,415 \$26,474 \$31,454 \$37,006 \$40,006 \$40,006 \$40,006 \$40,006 \$16,202 \$15,056 \$10,458 \$10,230 \$228,410,47 \$41,047 \$57,158 \$15,067 \$44,047 \$55,862 \$20,006 \$15,057	\$23,366 \$193,823 \$346,904 	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640 \$126,262 \$76,816 \$65,618
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL PUBLICATION AND HUMAN SERVICES DEPARTMENT OF HEALTH	89.003 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR ANY OF TRUSTEES OF THE UNIVERSITY OF THE ROAD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF ALEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA HEALTH RESEARCH INC PENNSYLVANIA STATE UNIVERSITY ICAH'N SCHOOL OF MEDICINE AT MOUNT SINAI SCHOOL OF MEDICINE	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000119951 R01HL128310/CDLUM10000112259 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112338 R01HL134985/CDLUM-0000127733 R01HL141609 CDLUM-0000130105 N/A N/A 183438PO2000037059 19193738PO2000043075 566402 FFSDA0381017 025893354609 N/A A035221 360985-CPR 90FK0104-03-00 90FK0104-04-00	\$38.622 \$125.014 \$1.44.243 \$1.47.1375 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,562 \$30,886 \$41,234 \$11,388 \$14,234 \$15,562 \$9,005 \$10,458 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,465 \$56,599 \$1,061 \$33,465 \$56,599 \$1,061 \$33,465 \$56,599 \$10,230 \$228,410 \$15,057 \$44,077 \$67,158 \$77,158 \$77,158 \$77,158	\$23,366 \$193,823 \$346,904 	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640 \$126,262 \$76,816 \$65,618
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEA	89.003 3.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.000 33.	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR ANY OF TRUSTEES OF THE UNIVERSITY OF THE ROAD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF ALEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA HEALTH RESEARCH INC PENNSYLVANIA STATE UNIVERSITY ICAH'N SCHOOL OF MEDICINE AT MOUNT SINAI SCHOOL OF MEDICINE	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000119951 R01HL128310/CDLUM10000112259 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112338 R01HL134985/CDLUM-0000127733 R01HL141609 CDLUM-0000130105 N/A N/A 183438PO2000037059 19193738PO2000043075 566402 FFSDA0381017 025893354609 N/A A035221 360985-CPR 90FK0104-03-00 90FK0104-04-00	\$38.622 \$125.014 \$1.444.243 \$1.77.35 \$46.171 	\$33,075 \$30,035 \$6,213 \$19,407 \$502,001 \$1,498 \$31,415 \$26,474 \$31,454 \$31,454 \$31,454 \$31,454 \$31,454 \$31,454 \$31,454 \$31,454 \$31,456 \$310,066 \$56,594 \$11,061 \$33,446 \$85,700 \$136,202 \$15,505 \$10,458 \$102,230 \$228,410 \$15,567 \$44,047 \$67,158 \$15,567 \$44,047	\$23,366 \$193,823 \$346,904 	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640 \$126,262 \$76,616 \$65,618
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS TOTAL NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS U.S. Department of Health and Human Services DEPARTMENT OF HEALTH	89.003 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000 30.000	UNIVERSITY OF SOUTH FLORIDA TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION FOR ANY OF TRUSTEES OF THE UNIVERSITY OF THE ROAD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM ISLAND PEER REVIEW ORGANIZATION TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF ALEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK MANIATTAM BOSOLUTIONS LLC TRUSTEES OF COLUMBIA UNIVERSITY UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA UNIVERSITY OF SOUTH CAROLINA HEALTH RESEARCH INC PENNSYLVANIA STATE UNIVERSITY ICAH'N SCHOOL OF MEDICINE AT MOUNT SINAI SCHOOL OF MEDICINE	PO0000232754 3101070577502 ATB202 20070AND19980 NA R01HL117832/CDLUM-0000112270 U24AG052175/PD COLUM0000119951 R01HL128310/CDLUM10000112259 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM10000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112328 R01HL132347 CDLUM0000112338 R01HL134985/CDLUM-0000127733 R01HL141609 CDLUM-0000130105 N/A N/A 183438PO2000037059 19193738PO2000043075 566402 FFSDA0381017 025893354609 N/A A035221 360985-CPR 90FK0104-03-00 90FK0104-04-00	\$38.622 \$125.014 \$1.44.243 \$1.47.1375 \$46.171 	\$33,097 \$30,835 \$6,213 \$19,407 \$520 \$103,601 \$1,498 \$31,415 \$26,474 \$31,562 \$30,886 \$41,234 \$11,388 \$14,234 \$15,562 \$9,005 \$10,458 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,446 \$56,599 \$1,061 \$33,465 \$56,599 \$1,061 \$33,465 \$56,599 \$1,061 \$33,465 \$56,599 \$10,230 \$228,410 \$15,057 \$44,077 \$67,158 \$77,158 \$77,158 \$77,158	\$23,366 \$193,823 \$346,904 	\$3,478,192 \$119,146 \$136,202 \$15,935 \$10,458 \$330,640 \$126,262 \$76,616 \$65,618

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH	93.113 93.113			\$3,465 \$163,056	-	-	
ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH	93.113 93.113 93.113			\$163,056 \$251.180 \$56,290	=	\$213.876	
ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH	93.113 93.113 93.113			\$7.019 \$482,217	Ξ	\$194,452	
ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH	93.113 93.113 93.113	UNIVERSITY OF ARIZONA	444022	\$198.401	\$63.513	\$194,452	
ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH	93.113 93.113	UNIVERSITY OF IOWA CORNELL UNIVERSITY	1001555362 7309410899	<u> </u>	\$35,697 \$22,408	Ξ	
ENVIRONMENTAL HEALTH ENVIRONMENTAL HEALTH	93.113 93.113	CIRCULOMICS INCORPORATED UNIVERSITY OF IOWA	SC10009 S0071201	=	\$4,178 \$18,084	=	
ENVIRONMENTAL HEALTH	93.113	REGENTS OF THE UNIVERSITY OF MINNESOTA	P005170802	_	\$78,565	_	
ENVIRONMENTAL HEALTH ORAL DISEASES AND DISORDERS RESEARCH	93.113 93.121	BOWLING GREEN STATE UNIVERSITY	10009736 SUNY04	 \$140,088	\$1,070	=	\$2,098,232
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$223,907 \$33,463	=	\$24,835 —	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$50,641 (\$807)	_	_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$360,861 \$786,991	=	\$43,842	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$393,730 \$34	=		
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121 93.121			\$2,151 \$22,218 \$1,003	Ξ	\$2,044 — —	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$247.354 \$75,849	=	Ξ	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$208,879 \$114,414	=	\$61,631 \$8,099	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$166,365 \$247,958	_	\$70,289 \$26,732	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$99,023 \$225,851	_ _ _	=	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$90,812 \$14,724	_	=	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$299,190 \$133,515	=	_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$184,210 \$125,051		_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$30,350 \$57.497	=	_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$163,130 \$186.277	_	_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$57,691 \$20.990	_	\$6,459 —	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$58,392 \$8,284	_	=	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$36,404 \$175,255	_	_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121			\$46,461 \$13,903	_	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5105424	_	\$56,164	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5105286	_	\$620	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	CURATORS OF THE UNIVERSITY OF MISSOURI	C000543201	_	\$271,740	_	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121	UNIVERSITY OF UTAH NEW YORK UNIVERSITY	10041969 F057201	=	\$116,517 \$8,078	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC180288D188	_	\$60,014	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5110955	_	\$62,266	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	ADVANCED CYTOMETRY INSTRUMENTATION SYSTEMS	NA	_	\$46,823	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	UNIVERSITY OF ROCHESTER MARSHFIELD CLINIC RESEARCH	417355GURFAOGR510794	_	\$17,479	-	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121	INSTITUTE LUMITEX INCORPORATED	47300100 NA	=	\$26,867 \$156,057	=	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	VIRGINIA COMMONWEALTH UNIVERSITY NEW YORK UNIVERSITY SCHOOL OF	TBD	_	\$4,346	-	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	MEDICINE TRAVERSE BIOSCIENCES	19A0001002152	=	\$944	-	
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121	INCORPORATED NUSHORES BIOSCIENCES LLC	TRB-N0224 1R44DE028213-01	=	\$235,221 \$21,290	_	
ORAL DISEASES AND DISORDERS RESEARCH	93.121	REGENTS OF THE UNIVERSITY OF CALIFORNIA	11151SC	_	\$19,801	_	
ORAL DISEASES AND DISORDERS RESEARCH INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.121	GEORGE WASHINGTON UNIVERSITY RESEARCH INSTITUTE AT NATIONWIDE	18M44	_	\$68.307	_	\$6.274.643
COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.136	CHILDRENS HOSPITAL RESEARCH INSTITUTE AT NATIONWIDE	71005071806 710005071906	_	\$26,140	_	
COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136 93.136	CHILDRENS HOSPITAL HEALTH RESEARCH INC	710005071906 598101	_	\$29,536 \$13.306	_	\$68.982
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.136	DARTMOUTH COLLEGE	R155	_	\$71,584	_	\$71,584
HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE	93.145 93.145	COLUMBIA UNIVERSITY COLUMBIA UNIVERSITY	3GG01189703 PO: G12258 3GG01189704 SAPO #G13003	Ξ	\$8,329 \$223,941	=	\$232,270
COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN	93.153 93.153	WESTAT CORPORATION WESTAT CORPORATION	HHSN275201300003C 6579-S10 HHSN275201800001I	Ξ	(\$4,090) \$50,600	=	\$46,510
HUMAN GENOME RESEARCH HUMAN GENOME RESEARCH	93.172 93.172	WESTAN COM COMMON	00/0 01011110112/02010000011	\$251,222 \$6,968	-	=	940,010
HUMAN GENOME RESEARCH RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.172 93.173			\$71.575 \$64.464	=	\$51.561	\$329.765
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$369.552 \$11,076	Ξ	\$54.484 \$1,949	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$293.733 \$346,762	=	\$132,316	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$492.346 \$127,436	=	_	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$115,191 \$533,847	_	Ξ	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$363,251 \$10,665	=	\$56,619 —	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$26 \$342,803	=	\$71,958	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$365,450 \$347,345	=	\$26,929 \$117,459	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$36,103 \$39,054		=	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$336,663 \$477,315	_	=	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$18,512 \$130.167	_	_	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$37,961 \$175.895	_	_	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$89.513 \$165.474	_	_	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$31,793 \$23,071	=	=	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$44,108 \$15,074	Ξ	\$45,048	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$5,083 \$176,998 \$40,244	=	\$19,488	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173			\$49,244 \$1,070	_	_	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173	INING DOTAY CT TOTAL	DD000 440 D0	\$29,876 \$5,508	-	_	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173 93.173	UNIVERSITY OF GEORGIA UNIVERSITY OF FLORIDA	RR209-110/S000709/ SUB00000709 UFDSP00010788		\$283,122 \$79.926	=	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	GATEWAY BIOTECHNOLOGY INCORPORATED THERAPEUTIC VISION INCORPORATED	NA NA	_	\$59,550	-	
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS DISABILITIES PREVENTION	93.173 93.173 93.184	JOHNS HOPKINS UNIVERSITY MOUNT SINAI SCHOOL OF MEDICINE	NA 2003988996 025893354609	=	\$50,000 \$35.900 \$12.388	=	\$6.180.927 \$12,388
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.184	GOINT GIRAL GOLIOUL OF MEDICINE	02000004000	 \$7,085	φ12,300 —	_	φ12,300
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213			\$173,616	_	_	
	-0.210			9173,010	_	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213	MEDSTAR HEALTH RESEARCH INSTITUTE	GM005150	_	\$147,639	_	\$328,340
RESEARCH ON HEALTHCARE COSTS NATIONAL CENTER ON SLEEP DISORDERS RESEARCH	93.226 93.233	RAND CORPORATION	9920150086	\$224,993	\$147,639	\$30,520	\$224,993
NATIONAL CENTER ON SLEEP DISORDERS RESEARCH	93.233	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	R01HL141494/COLUM127730	_	\$21,799	_	\$37,522
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$42,291 \$346,167	=	Ξ	***,****
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$69,439 \$650,197	=	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$687,914 \$464,481	_	\$23,961 \$338,256	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$26,841 —	=	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$16,704 \$77,279	=	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$27.137 \$519.487	=	=	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$870.404 \$839,648	=	\$354,477	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$212.373 \$12,806	=	\$31.432 —	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$251,321 \$708,580	=	\$39,533	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$410,195 \$604,632	=	\$69,106 —	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$63,733 \$33,799	Ξ	-	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$1,820,413 \$35,145	=	\$547,524 —	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242 93.242			\$269,921 \$448,738 \$288,970	Ξ	\$217,453	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242			\$128,980	_	\$259,185 —	
MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$172,546 \$543.173	_	-	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$739,638 \$205.347	=	\$389,768 \$64.157	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$391,295 \$351.475	_	\$53.393	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$768,858 \$371,650	=	\$182,006 \$20.704	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$47,379 \$29,401	_	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$54,693 \$50,516	=	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$62,904 \$36,058	_	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$5,587 \$516	=	=	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$32,621 \$34,473	_	=	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242			\$195,259 \$34,522	=	=	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF CONNECTICUT	040004	\$24,299	_	=	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242 93.242	HEALTH RESEARCH INC HEALTH RESEARCH INC	318201 596901 596902	Ξ	\$55,762 \$8,660 \$9,115	Ξ	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242 93.242	UNIVERSITY OF GEORGIA SIMMERSION	596902 RR274-463/S001440/ SUB00001440 5065-BU	=	\$9,115 \$37,089 \$63,580	Ξ	
		MASSACHUSETTS INSTITUTE OF		_	\$382.674	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242	TECHNOLOGY TETRA DISCOVERY PARTNERS	5710004178 R44MH091791	=	\$152,953	=	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242	ASDDR LLC RTI INTERNATIONAL	R41MH11223701A1 1340021596665003L	=	\$85,834 \$236,865	=	
MENTAL HEALTH RESEARCH GRANTS	93.242	CYTOCYBERNETICS VANDERBILT UNIVERSITY MEDICAL	NA	_	\$34,573	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242	CENTER UNIVERSITY OF MASSACHUSETTS	4018066223 - VUMC64356 OSP2018098/WA00733044	_	\$162,670 \$66,733	_	
		WORCESTER RESEARCH FOUNDATION FOR MENTAL HYGIENE		_		_	
MENTAL HEALTH RESEARCH GRANTS	93.242	RESEARCH FOUNDATION FOR MENTAL	PO139393	_	\$14,525	_	
MENTAL HEALTH RESEARCH GRANTS	93.242	HYGIENE UNIVERSITY OF MASSACHUSETTS	140831	_	\$10,997	_	
MENTAL HEALTH RESEARCH GRANTS	93.242	WORCESTER RESEARCH FOUNDATION FOR MENTAL	OSP2018098	_	\$11,720	_	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242	HYGIENE YALE UNIVERSITY	142316 GR105701 CON-80001708	=	\$48,008 \$10,350	_	
MENTAL HEALTH RESEARCH GRANTS	93.242	OREGON HEALTH & SCIENCE UNIVERSITY	1002908RFSUNY	_	\$13,628	_	
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF ROCHESTER QUADRANT BIOSCIENCES	416983FAOGR510547	_	\$15,714	_	
MENTAL HEALTH RESEARCH GRANTS	93.242	INCORPORATED ICAHN SCHOOL OF MEDICINE AT	N/A	_	(\$1)	_	
MENTAL HEALTH RESEARCH GRANTS	93.242	MOUNT SINAI ICAHN SCHOOL OF MEDICINE AT	025500914609	_	(\$552)	-	
MENTAL HEALTH RESEARCH GRANTS	93.242	MOUNT SINAI ICAHN SCHOOL OF MEDICINE AT	025500914609	_	\$93,104	-	
MENTAL HEALTH RESEARCH GRANTS MENTAL HEALTH RESEARCH GRANTS	93.242 93.242	MOUNT SINAI UNIVERSITY OF CHICAGO	025514434609 FP06760501PR	=	\$41,051 \$35,541	=	
MENTAL HEALTH RESEARCH GRANTS	93.242	QUADRANT BIOSCIENCES INCORPORATED	UPSTRF111347	_	\$96,489	_	\$15,766,887
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	ADDICTIONS CARE CENTER OF ALBANY INCORPORATED	N/A	_	\$14,271	_	
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	BESTSELF BEHAVIORAL HEALTH INCORPORATED	SM062404	_	\$75,089	_	
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	ERIE COUNTY DEPARTMENT OF HEALTH	TBD	_	\$36,978	_	
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	RESEARCH FOUNDATION FOR MENTAL HYGIENE	N/A	_	\$5,011	_	\$131,349
ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.247 93.262			\$505,629 \$52,378	=	_	\$505,629
OCCUPATIONAL SAFETY AND HEALTH PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262 93.262			\$584,489 (\$664)	_	_	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262 93.262			\$101,350 \$6,572	_	\$16,060 —	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262 93.262			\$429,133 \$430,020	_	\$2,393	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	ICAHN SCHOOL OF MEDICINE AT		\$104,680	-	_	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	MOUNT SINAI ICAHN SCHOOL OF MEDICINE AT	025365384609	=	\$3,601	-	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	MOUNT SINAI ICAHN SCHOOL OF MEDICINE AT	025365384609	=	\$11,456	-	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	MOUNT SINAI ICAHN SCHOOL OF MEDICINE AT	025459224609	=	\$70,847	-	
OCCUPATIONAL SAFETY AND HEALTH PROGRAM ALCOHOL RESEARCH PROGRAMS	93.262 93.273	MOUNT SINAI	0254-5923-4609	 \$286,819	\$135,201	=	\$1,929,063
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$38,079 \$41,824	=	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$566,442 \$113,569	Ξ	\$150,003	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$104,600 \$1,201,931	Ξ	\$35,547 \$218,996	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273 93.273			\$227,550 \$89,261	=	\$210,996 —	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273 93.273			\$213,497 \$498,532	=	Ξ	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273 93.273			\$498,532 \$351,427 \$882,070	_	\$16,309	
ALCOHOL RESEARCH PROGRAMS	93.273			\$381,641	=	\$6,965	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$43.223 \$485,276	_	\$177,328	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$253.761 \$337,219	=	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$90.835 \$244,000	Ξ	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273 93.273			\$97.816 \$137.081 \$116.358	Ξ	Ξ	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273			\$382,723	=	\$136,222	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
ALCOHOL RESEARCH PROGRAMS	93.273			\$3,268,216	_	\$2,937,434	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$4,675,153 (\$38)	=	\$3,407,850 (\$38)	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$7,781 \$220,494	=	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$323,579 \$57,641	_	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273			\$28,275 \$127,894	_	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273	BROWN UNIVERSITY	00000995	\$24,445	 \$14.659	_	
ALCOHOL RESEARCH PROGRAMS	93.273	BROWN UNIVERSITY PACIFIC INSTITUTE FOR RESEARCH	00001112	Ξ	\$131,991	Ξ	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273	AND EVALUATION	0743 NYRFAA024990	Ξ	\$165,287 \$6,774	=	
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273	PENNSYLVANIA STATE UNIVERSITY RTI INTERNATIONAL GEORGIA STATE UNIVERSITY	1340021446452988L SP0001332901	Ξ	\$11.961	=	
ALCOHOL RESEARCH PROGRAMS	93.273 93.273 93.279	SYRACUSE UNIVERSITY	2839704395S02	_	\$29,601 \$29.380	=	\$16.308.627
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279			\$52,001 \$24,285	=	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$329,513 \$352.560	=	\$21.710	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$372,538 \$800,497	=	\$13,770	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$88,491 \$44,568	= = = = = = = = = = = = = = = = = = = =	\$44,652	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$114,212 \$17,326	_	\$6,098	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$95 \$35,676	_	_ =	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$105,564 \$218,402	=	\$67,138	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$91,955 \$225,343	_	_	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$159.648 \$299,270	=	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$84.831 \$36,268	= = = = = = = = = = = = = = = = = = = =	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$23.079 \$15,270	_	Ξ	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$173.409 \$3,401	_	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$147,559 \$49,312	=	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$248,450 \$182,479	=	\$42,300 —	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$28,892 \$724,368	=	\$153.625	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$109,453 \$215,271	=	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279			\$323,413 \$86,808	=	\$26,771	
DROG ABUSE AND ADDICITIOM RESEARCH PROGRAMS DROG ABUSE AND ADDICITIOM RESEARCH PROGRAMS	93.279 93.279			\$3,876 \$148,698	-	 \$16,824	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	UNIVERSITY OF WASHINGTON	UWSC8834	_	\$129,027	-	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279	YALE UNIVERSITY COLORADO STATE UNIVERSITY	GK000511CON80000571 G849911	=	\$5,361 \$365,235	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279	EMORY UNIVERSITY NEW YORK UNIVERSITY	T886570 IB00041344 SUBAWARD F862101	Ξ	\$36,023 \$52,845	Ξ	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	FORDHAM UNIVERSITY BOARD OF TRUSTEES OF THE LELAND	FORD0025	=	\$918	_	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	STANFORD JUNIOR UNIVERSITY REGENTS OF THE UNIVERSITY OF	61608838-124841	_	\$88,536	_	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279	CALIFORNIA LOS ANGELES JACKSON LABORATORY REGENTS OF THE UNIVERSITY OF	1490 G VB272 210242-0-SERV	Ξ	\$49,435 \$122.997	Ξ	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279 93.279	CALIFORNIA LOS ANGELES JACKSON LABORATORY UNIVERSITY OF ALABAMA	1490 G VB272 AMEND 1 AT RISK UA15042	=	\$476,456 \$11,577 \$117,775	Ξ	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	UNIVERSITY OF CALIFORNIA AT SAN DIEGO	72448663		\$275,986	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279	RTI INTERNATIONAL UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	1340021529752559L 5108329	=	\$60,540 \$107,826	_	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279 93.279	ALA SCIENTIFIC INSTRUMENTS INC YALE UNIVERSITY HENRY M JACKSON FDN FOR ADV OF	1R44DA043277-01 M16A12338 (CON80000449)	=	\$137,979 \$140,008	=	
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND	93.279	MILITARY MED INC	470595522365680	_	\$120,303	_	\$8,235,608
TECHNICAL ASSISTANCE CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND	93.283			\$4,070	_	_	
TECHNICAL ASSISTANCE CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND	93.283			\$33,880	-	\$26,889	
TECHNICAL ASSISTANCE CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND	93.283	CERNER CORPORATION	200201563931	-	\$104,254	_	
TECHNICAL ASSISTANCE DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.283	UNIVERSITY OF SOUTH CAROLINA	173170PO2000029193	-	\$10.000	_	\$152.204
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$265,298	_	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$42,324	_	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$288,724	-	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			_	-	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$40,387	-	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$20,853	-	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$424,169	_	\$9,012	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$164,228	-	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$151,900	_	\$7,605	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$456,461	_	\$131,538	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$81,860	_	\$18,010	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$206,250	_	\$2,254	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$42,748	_	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$120,739	_	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$63,532	-	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$391,747	_	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$322,748	-	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$572,457	-	\$51,834	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$78,152	-	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$50,277	-	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$450,579	-	\$295,891	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$147,185	-	\$34,620	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGIC INNOVATIONS TO	93.286			\$104,340	-	-	
IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286			\$648	-	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	HEALTH RESEARCH INC	559801	_	\$87,746	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	COLORADO STATE UNIVERSITY	G8795103	_	\$28.219	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	KITWARE INCORPORATED NEW YORK UNIVERSITY SCHOOL OF	K00139600S01	_	\$3,746	_	
TO IMPROVE HUMAN HEALTH	93.286	MEDICINE	17A00000786201	-	\$134,044	=	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK CHRONUS PHARMACEUTICALS	1(GG014205) PO# G12662	_	\$27,989	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	INCORPORATED	NA	-	\$18,478	-	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	BROWN UNIVERSITY	00001220	_	\$78,009	_	
TO IMPROVE HUMAN HEALTH DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS	93.286	CORNELL UNIVERSITY	7577710738	_	\$19,205	-	
TO IMPROVE HUMAN HEALTH MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.286 93.307	HEALTH RESEARCH INC	57151001	 \$115.500	\$16,646 —	 \$76.636	\$4,901,688
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307 93.307			\$2,200,000 (\$4,263)	_	_	
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307 93.307	DUKE UNIVERSITY	2035370/1R01MD010354-01	\$2,000,000	 \$45,746	_	
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307	MEMORIAL SLOAN KETTERING CANCER CENTER	BD521191 PO:BD521191A	=	\$64,812	_	
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307 93.307	UNIVERSITY OF PENNSYLVANIA COLUMBIA UNIVERSITY	575095 9(GG01183404)	_ =	\$19,508 \$22,117	_ =	\$4,463,420
TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT	93.310 93.310 93.310			\$115,736 \$331,610 \$620,462	=	\$95,842 — \$407.087	
TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT TRANS-NIH RESEARCH SUPPORT	93.310 93.310 93.310			\$598,320 (\$196,492)	=	\$345,208	
TRANS-NIH RESEARCH SUPPORT	93.310	MEDICAL UNIVERSITY OF SOUTH CAROLINA	MUSC160858C267	(\$130,482)	\$34.590	_	
TRANS-NIH RESEARCH SUPPORT	93.310	NEW YORK UNIVERSITY ALBERT EINSTEIN COLLEGE OF	F041501 PO IB00292822	-	\$79,839	_	
TRANS-NIH RESEARCH SUPPORT	93.310	MEDICINE ALBERT EINSTEIN COLLEGE OF	311117 PO 637121	-	\$41,481	_	
TRANS-NIH RESEARCH SUPPORT	93.310	MEDICINE ALBERT EINSTEIN COLLEGE OF	311196 PO 638150	_	\$64,048	-	
TRANS-NIH RESEARCH SUPPORT	93.310	MEDICINE ALBERT EINSTEIN COLLEGE OF	311397PO689758	_	\$1,540	_	
TRANS-NIH RESEARCH SUPPORT CHILD DEVELOPMENT AND CHILD DEVELOPMENT AND	93.310 93.312 93.312	MEDICINE	311397POP0690352	(\$17,685) \$976,465	\$54,161 —	\$134,956	\$1,745,295
CHILD DEVELOPMENT AND CHILD DEVELOPMENT AND NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.312 93.312 93.350			\$263,032 \$2,966,673	=	\$134,956 — \$116.620	\$1,221,812
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350 93.350	UNIVERSITY OF PITTSBURGH	005535313091041	\$406,971	\$114,088	3110,020 —	\$3.487.732
RESEARCH INFRASTRUCTURE PROGRAMS RESEARCH INFRASTRUCTURE PROGRAMS	93.351 93.351			\$8,980 \$257,979	=	 \$119,296	***********
RESEARCH INFRASTRUCTURE PROGRAMS RESEARCH INFRASTRUCTURE PROGRAMS	93.351 93.351			\$263,863 \$1,124,861	_		
RESEARCH INFRASTRUCTURE PROGRAMS RESEARCH INFRASTRUCTURE PROGRAMS	93.351 93.351	ANGIOGRAFT LLC OREGON STATE UNIVERSITY	N/A P0441A-A	=	\$31,834 \$98.628	_	\$1.786.145
NURSE EDUCATION BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY	93.559			\$363,570	-	_	\$363,570
(BARDA) NURSING RESEARCH	93.360 93.361			\$76,428 \$255,391	=	=	\$76,428
NURSING RESEARCH NURSING RESEARCH NURSING RESEARCH	93.361 93.361 93.361	LINING DOOL DOOL COTTED	416554G	\$264,929 \$105,968	\$17.740	Ξ	
HORONG RESEARCH	83.301	UNIVERSITY OF ROCHESTER UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	4103343	_	\$17,740	_	
NURSING RESEARCH NURSING RESEARCH	93.361 93.361	INCORPORATED UNIVERSITY OF ROCHESTER	ZAD00070 417065G/UR FAOGR510645	=	\$17,110 \$2,316	=	
NURSING RESEARCH	93.361	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV	43208419B88	_	\$8,991	_	
NURSING RESEARCH	93.361	REGENTS OF THE UNIVERSITY OF CALIFORNIA	00009941	_	\$32,893	_	\$705,338
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393			\$430.782 \$339,693	=	\$201,859	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393			\$919.117 \$126,025	_	\$84.542	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393			\$145,222 \$108,087	=	\$45,883	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393 93.393			\$98,449 \$529,407 \$5,339	=	\$4,291 —	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393			\$101,527 (\$3,246)	=	\$24,620	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393			\$7,543 \$326,779	=	=	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393			\$362,170 \$16,923	_	\$231,796	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	KAISER FOUNDATION RESEARCH INSTITUTE	1159289UB	_	\$10,501	_	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	BOARD OF TRUSTEES OF THE UNIVERSITY OF ALABAMA BIRMINGHAM	000511565002	_	\$17,863	_	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393	HEALTH RESEARCH INC VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIV	7504 45911719B88	_	\$1,623 \$9,197	_	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393	HEALTH RESEARCH INC HEALTH RESEARCH INC	26801 292-01	Ξ	\$40,114 \$30,688	=	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393	HEALTH RESEARCH INC HEALTH RESEARCH INC	29101 31601	=	\$34,384 \$5,970	=	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	EASTERN COOPERATIVE ONCOLOGY GROUP	PSASBUAK00	_	\$3,862	_	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393	BAYLOR COLLEGE OF MEDICINE RUTGERS UNIVERSITY	102057318 PO 5601152348 6019/PO# 635822	=	\$32,832 \$69,342	=	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	RIVERSIDE RESEARCH INSTITUTE BOARD OF REGENTS OF THE UNIVERSITY OF WISCONSIN SYSTEM	PO#00032 NYOG01275P.013328.01	_	\$26,197	_	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393 93.393 93.393	UNIVERSITY OF WISCONSIN SYSTEM UNIVERSITY OF NEW MEXICO RIVERSIDE RESEARCH INSTITUTE	786K984/PTE #0000918871 3RCQ4 PO00032 NYOG01275P.013328.01	Ξ	\$22,884 \$7,894 \$44,478	=	
CANCER CAUSE AND PREVENTION RESEARCH CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF WISCONSIN AT MADISON	851K701	_	\$21,637	_	\$3.893.283
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394	WADISON	65110701	\$141,569 \$11,583	921,037 —	Ξ	\$3,083,203
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394			\$247,021 \$545,150	_	\$55,698 \$33,080	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394			\$5,319 \$395,474	=	\$163,977	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394			\$111,082 \$536,561	_	\$53,565 —	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394 93.394			\$220,507 \$57,571 \$307,095	=	\$133,333 — \$55,553	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394	CHILDRENS HOSPITAL OF BOSTON CHILDRENS HOSPITAL OF BOSTON	GENFD0001429270 GENFD0001608947		\$104,611 \$1.165	-	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394	PENNSYLVANIA STATE UNIVERSITY CASE WESTERN RESERVE UNIVERSITY	5988-SUNY-NCI-0339 RES511173	=	\$6,987 \$35,984	=	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394	CASE WESTERN RESERVE UNIVERSITY CASE WESTERN RESERVE UNIVERSITY	RES512434 RES513625	_	\$2,456 \$11,409	=	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394	FOR ROBIN INCORPORATED VITATEX INC	NA HHSN261201500011C	=	\$8,808 \$100.710	_	
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	REGENTS OF THE UNIVERSITY OF MINNESOTA	P006155601	=	\$212,723	_	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394 93.394	UNIVERSITY OF ARKANSAS UNIVERSITY OF ARKANSAS	51599/ POG180120696/G190121060 51599 PO G190120984	=	\$104.939 \$361,426		\$3,530,150
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395 93.395			\$378.378 \$448,037 \$176.793	=	\$47.137 \$29,050 \$4.094	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395 93.395			\$176.793 \$24,460 \$334.531	Ξ	_	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395			(\$834) \$233	=	=	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395			\$483,522 \$183,137	_	=	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395			\$232,388 \$1,058,285	_	\$65,657 —	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395	FOR ROBIN INCORPORATED	NA	\$394,894 —	\$29,430	=	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395	CHILDREN'S HOSPITAL OF PHILADELPHIA HEALTH RESEARCH INC	9500080217XX 24901	-	\$29,788 \$3.590	=-	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395 93.395	PHOTOLITEC LLC IMMUNE MODULATORY THERAPIES LLC	24901 N/A NA	=	\$3,590 \$48,107 \$54,506	=	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395	POP BIOTECHNOLOGIES LLC GYNECOLOGIC ONCOLOGY GROUP	NA NA 27469070	Ξ	\$39,078 \$20,624	=	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
CANCER TREATMENT RESEARCH	93.395 93.395	EMORY UNIVERSITY	T782872/T908116	-	\$115,080	-	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395	TARGAGENIX INCORPORATED UNIVERSITY OF TEXAS MD ANDERSON CANCER CENTER	HHSN261201500018C /PO#3000932567	_	(\$2,421) \$7,607	_	
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200000551-16-241	_	\$27,165	_	
CANCER TREATMENT RESEARCH	93.395	AMERICAN COLLEGE OF SURGEONS ONCOLOGY GROUP	309	_	(\$16,801)	_	
CANCER TREATMENT RESEARCH	93.395	BRIGHAM AND WOMENS HOSPITAL CHILDREN'S HOSPITAL OF	CALGB ID 323 SITE NY141	_	\$116.810	_	
CANCER TREATMENT RESEARCH	93.395	PHILADELPHIA CHILDREN'S HOSPITAL OF	N/A	=	\$1,365	_	
CANCER TREATMENT RESEARCH	93.395	PHILADELPHIA CHILDREN'S HOSPITAL OF	U10CA180886	_	\$15,972	_	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395	PHILADELPHIA CHILDREN'S HOSPITAL OF PHILADELPHIA	U10CA180886 UG1CA18995501	_	\$16,299 \$1,266	_	
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395	RUTGERS UNIVERSITY CHILDREN'S HOSPITAL OF PHILADELPHIA	8269 APEC14B1	Ξ	\$62.726 \$90	Ξ	
CANCER TREATMENT RESEARCH CANCER BIOLOGY RESEARCH	93.395 93.396	RUTGERS UNIVERSITY	8269	\$143.196	\$14.252	Ξ	\$4.298.357
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396			\$2.509 \$78,885	=	=	
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396			\$139.728 \$156,218	=	=	
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396			\$2,733 \$120,500	=	_ _ _ _ _	
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396 93.396			\$101 \$528,004 \$298,623	=	=	
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396			\$177.154 \$364,535	=	=	
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396			\$225,819 \$415,149	_	=	
CANCER BIOLOGY RESEARCH	93.396	ALBERT EINSTEIN COLLEGE OF		\$47,834	_	\$27,205	
CANCER BIOLOGY RESEARCH	93.396	MEDICINE	310245	_	\$124,625	_	
CANCER BIOLOGY RESEARCH	93.396	RENSSELAER POLYTECHNIC INSTITUTE BOARD OF TRUSTEES OF THE		_	\$103,534	_	
CANCER BIOLOGY RESEARCH CANCER BIOLOGY RESEARCH	93.396 93.396	UNIVERSITY OF ILLINOIS HEALTH RESEARCH INC UNIVERSITY OF LOUISVILLE RESEARCH	6763500001 28701	=	\$85,419 \$8,028	=	
CANCER BIOLOGY RESEARCH	93.396	FOUNDATION INCORPORATED WAKE FOREST UNIVERSITY HEALTH	ULRF18002701	_	\$21,094	-	
CANCER BIOLOGY RESEARCH	93.396	SCIENCES WEILL MEDICAL COLLEGE OF CORNELL	WFUHS116599	-	\$8,146	-	
CANCER BIOLOGY RESEARCH	93.396	UNIVERSITY WEILL MEDICAL COLLEGE OF CORNELL	170527	=	\$12,128	_	
CANCER BIOLOGY RESEARCH CANCER CENTERS SUPPORT GRANTS	93.396 93.397	UNIVERSITY	184038	 \$85,958	\$10,109 —	=	\$3,074,071
CANCER CENTERS SUPPORT GRANTS CANCER RESEARCH MANPOWER	93.397 93.398			\$322,487 \$109,121	_	_	\$408,445
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398 93.398			\$165,958 \$4,629 \$37	=	_	
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398			\$34,192 \$120,859	=	= = =	
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398			\$57,145 \$61,274	_	_	
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398			\$40,456 \$33,218	_	_	
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398			\$24,537 (\$12,155)	_	_	
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398			\$27,626 \$75,804	_	_	
CANCER RESEARCH MANPOWER CANCER RESEARCH MANPOWER	93.398 93.398			\$43,891 \$31,826	=	=	
CANCER RESEARCH MANPOWER CENTERS For DISEASE CONTROL AND PREVENTION - RESIDENT	93.398			\$62,009	-	_	\$880,427
POSTDOCTORAL PROGRAM IN MICROBIOLOGY ACL NATIONAL INSTITUTE ON DISABILITY	93.425 93.433			\$11,807 \$501,147	_	\$77,020	\$11,807
ACL NATIONAL INSTITUTE ON DISABILITY ACL NATIONAL INSTITUTE ON DISABILITY ACL NATIONAL INSTITUTE ON DISABILITY	93.433 93.433 93.433			\$532,681 \$70,210 \$104,073	=	\$258,364 —	
ACL NATIONAL INSTITUTE ON DISABILITY ACL NATIONAL INSTITUTE ON DISABILITY	93.433 93.433			\$487,891 \$25,362	Ξ	\$3,677	
ACL NATIONAL INSTITUTE ON DISABILITY ACL NATIONAL INSTITUTE ON DISABILITY	93.433 93.433	CARNEGIE MELLON UNIVERSITY	1090519370588	\$96,971	\$434,090	 \$64,492	
ACL NATIONAL INSTITUTE ON DISABILITY ACL NATIONAL INSTITUTE ON DISABILITY	93.433 93.433	TOUCH GRAPHICS INCORPORATED CARNEGIE MELLON UNIVERSITY NYS OFFICE OF CHILDREN AND FAMILY	17115 1090568408868	Ξ	\$71,059 \$47,413	=	\$2,370,897
COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS	93.590	SERVICES NYS OFFICE OF CHILDREN AND FAMILY NYS OFFICE OF CHILDREN AND FAMILY	C005357	=	\$58,898	-	
COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS ASSISTANCE FOR TORTURE VICTIMS	93.590 93.604	SERVICES JEWISH FAMILY SERVICES	C005356 NA	=	\$448,516 \$13,923	_	\$507,414 \$13,923
ACA - STATE INNOVATION MODELS: FUNDING FOR MODEL DESIGN AND MODEL TESTING ASSISTNANCE	93.624	P2 COLLABORATIVE OF WNY INCORPORATED	NA .	_	\$19,701	_	\$10,020
ACA - STATE INNOVATION MODELS: FUNDING FOR MODEL DESIGN AND MODEL TESTING ASSISTNANCE	93.624	P2 COLLABORATIVE OF WNY INCORPORATED	NA	_	\$33,576	_	\$53,277
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	INBIOS INTERNATIONAL INCORPORATED	ZIKAMAC2	=	\$11,452	_	
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	INBIOS INTERNATIONAL INCORPORATED	ZIKAMAC2	=	\$18,522	-	\$29,974
SOCIAL SERVICES RESEARCH AND DEMONSTRATION CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION	93.647 93.648 93.648			\$18,622 \$329,069 \$203,325	Ξ	\$282,804 \$167,583	\$18,622 \$532,394
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT	93.701	EMMES CORPORATION CHILDREN'S HOSPITAL OF	P0083A	- 4203,323 -	\$14,662	-	\$332,354
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH	93.701 93.779	PHILADELPHIA HEALTH RESEARCH INC	N/A N/A	=	\$25,880 \$130,362	=	\$40,542
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH ORGANIZED APPROACHES TO INCREASE COLORECTAL CANCER	93.779	HEALTH RESEARCH INC UNIVERSITY OF NORTH CAROLINA AT	N/A	_	\$60,375	_	\$190,737
SCREENING SECTION 223 DEMONSTRATION PROGRAMS TO IMPROVE COMMUNITY	93.800	CHAPEL HILL BESTSELF BEHAVIORAL HEALTH	5110488	_	\$26,745	_	\$26,745
MENTAL HEALTH SERVICES CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.829 93.837 93.837	INCORPORATED	NA	\$217.085 (\$448)	\$20,012 —	=	\$20,012
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$91,178 \$383,334	=	=	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$2,544 \$339.068	Ξ	Ξ	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$2,120,021 \$376,722	_	\$1,463,762 —	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$200,654 \$43,346	=	=	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837 93.837			\$60,610 \$97,342 \$793,950	=	=	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837 93.837			\$793,950 \$117,098 \$304,024	=	=	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837 93.837			\$304,024 (\$760) \$327,188	_	- - - - - -	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$869,860 \$359,475	=	_	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$50,238 \$29,411	_	_	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837			\$19,720 \$46,854	_	_	
CARDIOVARCULI AD DISEASES SECURIOS	00.00=	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT	CNOME AND DO DOCCOORD		go 10 :		
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837 93.837	DALLAS ANGIOGRAFT LLC CYTOCYBERNETICS	GMO161105 PO RGC0000000733 NA N/A	Ξ	\$346,574 \$411 \$234,355	=	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837 93.837	CYTOCYBERNETICS CHILDRENS HOSPITAL OF BOSTON COLUMBIA UNIVERSITY	N/A GENFD0001523093 R01HL077612 COLUM0000128930	=	\$234,355 \$35.977 \$15,389	=	
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837 93.837	COLUMBIA UNIVERSITY WASHINGTON UNIVERSITY ST LOUIS	R01HL123368 POCOLUM-0000112268 WU1640 PO#2928298A	=	\$15,369 \$15,923 \$175,955	_ _ _	
CARDIOVASCULAR DISEASES RESEARCH	93.837	POLYNOVA CARDIOVASCULAR INCORPORATED	1R41HL134418	_	\$50,596	_	

_	Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
	CARDIOVASCULAR DISEASES RESEARCH	93.837	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK PROVID PHARMACEUTICALS	R21HL145970 COLUM-0000127309	_	\$2,552	=	
	CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837	INCORPORATED BRIGHAM AND WOMENS HOSPITAL	GRANT NUMBER:1R43HL103037-01 5U01HL101422	Ξ	(\$4,549) \$3,136	_	
	CARDIOVASCULAR DISEASES RESEARCH	93.837	ALBERT EINSTEIN COLLEGE OF MEDICINE	311297 PO655079	_	\$32,482	_	
	CARDIOVASCULAR DISEASES RESEARCH	93.837	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	N/A	_	\$82,081	_	
	CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837	NEW ENGLAND RESEARCH INSTITUTE UNIVERSITY OF ROCHESTER	N/A 416825	=	\$9,198 \$377,961	=	
	CARDIOVASCULAR DISEASES RESEARCH LUNG DISEASES RESEARCH	93.837 93.838	FLORIDA ATLANTIC UNIVERSITY	TRK77	\$104,195	\$24,841	Ξ	\$8,251,396
	LUNG DISEASES RESEARCH LUNG DISEASES RESEARCH	93.838 93.838			\$134,733 \$310,741	_	=	
	LUNG DISEASES RESEARCH LUNG DISEASES RESEARCH	93.838 93.838			\$336,515 \$8,315	_	\$4,333 —	
	LUNG DISEASES RESEARCH LUNG DISEASES RESEARCH	93.838 93.838	CORD FOLINDATION INCORPORATED	001	\$31.730	- \$7 142	_	
	LUNG DISEASES RESEARCH	93.838	COPD FOUNDATION INCORPORATED DUKE UNIVERSITY RESEARCH INSTITUTE AT NATIONWIDE	PO4550568793	Ξ	\$3,428	Ξ	
	LUNG DISEASES RESEARCH	93.838	CHILDRENS HOSPITAL HEKTOEN INSTITUTE FOR MEDICAL	7001571219004603112046	_	\$26,121	_	
	LUNG DISEASES RESEARCH	93.838	RESEARCH HEKTOEN INSTITUTE FOR MEDICAL	50636R01SUNY01	=	\$22,628	_	
	LUNG DISEASES RESEARCH LUNG DISEASES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	93.838 93.838 93.839	RESEARCH UNIVERSITY OF VERMONT	N/A 32773SUB52552	 	\$8,085 \$23,932	=	\$1,017,565
	BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	93.839 93.839			\$802,246 \$67,465	=	=	
	BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	93.839 93.839			\$160,384 \$610.191	_	 \$92.588	
	BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	93.839 93.839 93.839	BRIGHAM AND WOMENS HOSPITAL	114147	\$91,746 \$578.265	=	\$139.728	
	BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	93.839	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5111803	_	\$86,209	_	
	BLOOD DISEASES AND RESOURCES RESEARCH	93.839	CINCINNATI CHILDRENS HOSPITAL MEDICAL CENTER	132981 PO3100342084	_	\$80	_	
	BLOOD DISEASES AND RESOURCES RESEARCH	93.839	CINCINNATI CHILDRENS HOSPITAL MEDICAL CENTER	132981	_	\$1,716	_	
	BLOOD DISEASES AND RESOURCES RESEARCH BLOOD DISEASES AND RESOURCES RESEARCH	93.839 93.839	CINCINNATI CHILDRENS HOSPITAL MEDICAL CENTER INVENUX LLC	136444 PO: 3100431371 1R43HL13758901	-	\$4,950 \$2,800	=	\$2,951,482
	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART ARTHRITIS	93.840 93.846	INVENOXEE	1144311213730301	\$339.511 \$33,154	92,000 —	=	\$339.511
	ARTHRITIS ARTHRITIS	93.846 93.846			\$154.903 \$338,078	=	\$21.928 \$18,036	
	ARTHRITIS ARTHRITIS	93.846 93.846			\$320,916 \$120,615	=	\$5,870	
	ARTHRITIS ARTHRITIS ARTHRITIS	93.846 93.846 93.846			\$41,280 \$436,652 \$146,966	=	\$39,087	
	ARTHRITIS ARTHRITIS	93.846 93.846			\$258,187 \$317,934	=======================================	\$98,766	
	ARTHRITIS ARTHRITIS	93.846 93.846			\$136,868 \$30,184	_	\$17,481	
	ARTHRITIS ARTHRITIS ARTHRITIS MUSCULOSKELETAL AND SKIN DISEASES	93.846 93.846 93.846			\$357,853 \$229,804 \$2.847	=	=	
	ARTHRITIS MUSCULOSKELETAL AND SKIN DISEASES ARTHRITIS	93.846 93.846	CHILDRENS RESEARCH INSTITUTE	30004210-01	\$40,558	\$2.622	=	
	ARTHRITIS	93.846	CHILDRENS RESEARCH INSTITUTE NEW YORK UNIVERSITY SCHOOL OF	30004210-01	_	\$22,247	_	
	ARTHRITIS ARTHRITIS	93.846 93.846	MEDICINE BRIGHAM AND WOMENS HOSPITAL	M160055526 117004	<u>_</u>	\$1,883 \$233,961	=	\$3,227,512
	DIABETES DIABETES DIABETES	93.847 93.847 93.847			\$410,754 \$366,948 \$49,024	=	=	
	DIABETES DIABETES	93.847 93.847			\$80,714 \$267,225	Ξ	=	
	DIABETES DIABETES	93.847 93.847			\$186,578 \$167,222	=	\$20,408	
	DIABETES DIABETES DIABETES	93.847 93.847 93.847			\$365,271 \$166,826 \$442.669	_	_	
	DIABETES DIABETES DIABETES	93.847 93.847			\$8,318 \$493,259	=======================================	=	
	DIABETES DIABETES	93.847 93.847			\$402,265 \$692	_	\$50,850 —	
	DIABETES DIABETES DIABETES	93.847 93.847 93.847			\$143,124 \$572.290 \$777,843	=	\$31.633 \$208,831	
	DIABETES DIABETES DIABETES	93.847 93.847 93.847			\$777,043 \$377,925 \$25,863	=	\$200,031 —	
	DIABETES	93.847	PRESIDENT AND FELLOWS OF		\$123,208	_	_	
	DIABETES	93.847	HARVARD COLLEGE NEW YORK UNIVERSITY SCHOOL OF	1111845093435		\$50,057	_	
	DIABETES DIABETES	93.847 93.847	MEDICINE RENSSELAER POLYTECHNIC INSTITUTE	14A00000248901 A180024S001	_	\$32,825 \$53.556	_	
	DIABETES	93.847	NEW YORK UNIVERSITY SCHOOL OF MEDICINE	14A00000248901	_	\$60.149	_	
	DIABETES DIABETES	93.847 93.847	UNIVERSITY OF FLORIDA SWEDISH HEALTH SERVICES	UFDSP00011363 600103 B.04	=	\$92,666 \$5.626	_	
	DUDETER	00.047	BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GEORGIA ON	000075		****	*****	
	DIABETES DIABETES	93.847 93.847	BEHALF OF AUGUSTA UNIVERSITY PENNSYLVANIA STATE UNIVERSITY TRUSTEES OF THE UNIVERSITY OF	323075 SUNYDK088244	=	\$60,453 \$82.775	\$2,912 —	
	DIABETES	93.847	PENNSYLVANIA SALK INSTITUTE FOR BIOLOGICAL	574485	_	\$13,741	_	
	DIABETES	93.847	STUDIES BOARD OF TRUSTEES OF THE	P0209012		(\$1,849)	_	
	DIABETES DIABETES DIABETES	93.847 93.847 93.847	UNIVERSITY OF ALABAMA BIRMINGHAM GEORGE WASHINGTON UNIVERSITY UNIVERSITY OF WASHINGTON	000518751-SP005-001 SGRD1718MD21 UWSC10304 BPO#29573	=	\$25,959 \$192,365 \$51,116	\$38,377	
	DIABETES	93.847	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	TIE198003	_	\$4,415	_	
	DIABETES DIABETES	93.847 93.847	GEORGE WASHINGTON UNIVERSITY BAYLOR COLLEGE OF MEDICINE	SGRD1819LU21 7000000735	=	\$637,451 \$18,109	=	
	DIABETES	93.847 93.847	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	TIE198003B	_	\$722	_	
	DIABETES DIABETES DIABETES	93.847 93.847 93.847	JOSLIN DIABETES CENTER UNIVERSITY OF SOUTH FLORIDA JOSLIN DIABETES CENTER	N/A 1U01DK61055 1UC4DK10110802	=	\$16,375 \$15.858 \$11,412	=	
	DIABETES DIABETES	93.847 93.847	GEORGE WASHINGTON UNIVERSITY JOSLIN DIABETES CENTER	16D11 1UC4DK10110802	Ξ	\$165,784 \$20,827	=	\$7,038,410
	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$85,594	=	_	
	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$63,362	_	_	
	NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$43,141	-	-	
	NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$232,886	_	_	
	NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853 93.853			\$311,150 \$331,686	=	_	
	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$533	_	_	
	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$5,129	_	-	
	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$349,458	-	-	
	NEUROLOGICAL DISORDERS	93.853			\$290,225	-	-	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$197,900			
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$1,072	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$169.232	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$186,244	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$377,029	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$39,111	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$501,388	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$70,304	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$304,793	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$238,570	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$341,729	-	-	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$189,191	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$197,957	-	_	
NEUROLOGICAL DISORDERS	93.853			\$27,345	-	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$81,951	-	_	
NEUROLOGICAL DISORDERS	93.853			\$286,054	-	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$280,540	_	\$79,616	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$647,271	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$77,294	-	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$412,259	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$95,458	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$50,125	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$168,432	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$197,846	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$65.905	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$12,545	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$1,474	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROL OGICAL DISORDERS	93.853			\$356.661	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$65,565	_	\$65,565	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND					_	\$65,565	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$44,215	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$68,680	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$286,922	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$115,576	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$1,904	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$314,932	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$631,790	_	\$298,111	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$91,510	-	\$46,362	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$116,300	-	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$23,580	-	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$34,538	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$32,592	_	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$28,281	-	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$31,489	-	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			(\$1,608)	-	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853			\$304	-	_	
NEUROLOGICAL DISORDERS	93.853			\$2,341	_	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	UNIVERSITY OF ROCHESTER	417450	_	\$35,187	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	EMMES CORPORATION	NA	=	\$18,224	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	THE RECTORS & VISITORS OF THE UNIVERSITY OF VIRGINIA	GC12107149686	=	\$4,533	_	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	MASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF	NN102SPRINTSITE176	_	\$4.136	-	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	MICHIGAN	3610090543002	=	\$3,060	-	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	JOHNS HOPKINS UNIVERSITY	2001948073	_	\$55	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	MASSACHUSETTS GENERAL HOSPITAL	NN104	_	\$9,300	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	MAYO CLINIC JACKSONVILLE REGENTS OF THE UNIVERSITY OF	SUN18727601	-	\$30,205	-	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	MINNESOTA UNIVERSITY OF SOUTH FLORIDA	N004689501	=	\$2,414	=-	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	BOARD OF TRUSTEES	6129105000A		\$2,637	-	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	RUSH UNIVERSITY MEDICAL CENTER	12121903-SUB01	_	\$9.194	-	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		BAYLOR COLLEGE OF MEDICINE	102199134 7000000012		\$10,412	-	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853						
NEUROLOGICAL DISORDERS		UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER AT					
	93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF	GMO181203	=	\$155,905	_	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF	3002348608SHN	- -	\$7,083	\$5,700	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853 93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF	3002348608SHN 3002672048ISPOT	_ _ _	\$7,083 \$777	=	
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS NEUROLOGICAL DISORDERS AND EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND PROGRAMS IN	93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN	3002348608SHN	- - -	\$7,083		
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL EXTRAMURAL EXTRAMURACION	93.853 93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN MASSACHUSETTS GENERAL HOSPITAL	3002348608SHN 3002672048ISPOT	- - - -	\$7,083 \$777	=	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853 93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN	3002348608SHN 3002672048ISPOT SUBK00004096ESETT	- - - - -	\$7,083 \$777 \$8,583	=	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853 93.853 93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN ASSACHUSETTS GENERAL HOSPITIAL REGENTS OF THE UNIVERSITY OF EGGENTS OF THE UNIVERSITY OF	3002348608SHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903	- - - - -	\$7,083 \$777 \$8,583 (\$1,967)	\$7,500 —	
NEUROLOGICAL DISORDERS SETTAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS SETTAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS SETTAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS NEUROLOGICAL DISORDERS SETTAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS NEUROLOGICAL DISORDERS ENTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853 93.853 93.853 93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN ASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF MICHIGAN	30023486085HN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT	- - - - - -	\$7,083 \$777 \$8,583 (\$1,967) \$45,324	\$7,500 —	
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN ASSOCIATION OF THE UNIVERSITY OF MICHIGAN LANGUAGE OF THE UNIVERSITY OF MICHIGAN UNIVERSITY OF FLORIDA	300234860BSHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT UFDSP00012170	- - - - - - -	\$7,083 \$777 \$8,583 (\$1,967) \$45,324 \$16,620	\$7,500 — \$17,550 — —	\$9.587.01
NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS KETRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS MEDITAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS MEDITAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS MEDITAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS MEDITAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND MEDITAMURAL RESEARCH PROGRAMS IN THE NEU	93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN MASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF MICHIGAN UNIVERSITY OF FLORIDA MASSACHUSETTS GENERAL HOSPITAL MASSACHUSETTS GENERAL HOSPITAL	300234860BSHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT UFDSP00012170 NN102Y2Q4		\$7,083 \$777 \$8,583 (\$1,967) \$45,324 \$16,620 \$9,687	\$7,500 - \$17,550 - - \$47,525	\$9.587.011
NEUROLOGICAL IDSORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL IDSORDERS SEXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL IDSORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESPONSE AND NEUROLOGICAL DISORDERS EXTRAMURAL RESPONSE EXPERTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN MASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF MICHIGAN UNIVERSITY OF FLORIDA MASSACHUSETTS GENERAL HOSPITAL MASSACHUSETTS GENERAL HOSPITAL	300234860BSHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT UFDSP00012170 NN102Y2Q4	\$202,829 \$341,284 \$64,282	\$7,083 \$777 \$8,583 (\$1,967) \$45,324 \$16,620 \$9,687	\$7,500 \$17,550 \$47,525 \$19,925	\$9.587.011
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS DEPARTMENT OF HEALTH AND HUMAN SERVICES ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855 93.855 93.855	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN MASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF MICHIGAN UNIVERSITY OF FLORIDA MASSACHUSETTS GENERAL HOSPITAL MASSACHUSETTS GENERAL HOSPITAL	300234860BSHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT UFDSP00012170 NN102Y2Q4	\$202,829 \$341,284 \$64,282 \$205,959 \$77,746	\$7,083 \$7777 \$8,583 (\$1,967) \$45,324 \$16,620 \$9,687 \$37,887	\$7,500 - \$17,550 - - \$47,525	\$9.587.011
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS DEPARTMENT OF HEALTH AND HUMAN SERVICES ALLERGY AND NECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN MASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF MICHIGAN UNIVERSITY OF FLORIDA MASSACHUSETTS GENERAL HOSPITAL MASSACHUSETTS GENERAL HOSPITAL	300234860BSHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT UFDSP00012170 NN102Y2Q4	\$202,829 \$341,284 \$64,282 \$205,959 \$77,746 \$25,877 \$635,517	\$7,083 \$7777 \$8,583 (\$1,967) \$45,324 \$16,620 \$9,687 \$37,887	\$7,500 - \$17,550 - \$47,525 \$19,925 - \$25,040	\$9.587.011
NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES ALLERGY AND NECTOLOS DISEASES RESEARCH	93.853 93.853 93.853 93.853 93.853 93.853 93.853 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855 93.855	SOUTHWESTERN MEDICAL CENTER AT DALLAS REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN REGENTS OF THE UNIVERSITY OF MICHIGAN MASSACHUSETTS GENERAL HOSPITAL REGENTS OF THE UNIVERSITY OF MICHIGAN UNIVERSITY OF FLORIDA MASSACHUSETTS GENERAL HOSPITAL MASSACHUSETTS GENERAL HOSPITAL	300234860BSHN 3002672048ISPOT SUBK00004096ESETT 226396 1U01NS09025903 3004674949PNT UFDSP00012170 NN102Y2Q4	\$202,829 \$341,284 \$64,282 \$205,959 \$77,746 \$25,877	\$7,083 \$777 \$8,583 (\$1,967) \$45,324 \$16,620 \$9,687 \$37,887	\$7,500 - \$17,550 - - - \$47,525 \$19,925 \$25,040 \$51,103	\$9.587.011

		rear ended June 30, 2	2019				Total
	CFDA			Direct	Pass- through	Passed- through	expenditures by CFDA and
Federal grantor/federal subdivision or pass-through grantor	number	Pass-through Entity Name	Pass-through number	expenditures	expenditures	to Subrecipients	federal grantor
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$49,153	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$3,849 \$232.177	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$300,346	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$158.241 \$229,744	_	\$59,931	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$169.792 \$42.280	Ξ	\$57.661	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$189,714	_	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$60,391 \$513,038	_	\$17,002 \$70,730	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$389,861	_	-	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$174,571 \$206,602	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$225,412 \$133,308	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$122,918	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$202,110 \$262,853	_	\$61,533	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$162,311 \$296,445	=	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$183.891	= = = =	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$469,103 \$1	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$513,873		\$68,176	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$2.676 \$478,222	_	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$204.206 \$4,961	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$63,297	_	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$366,436 \$112,380	_	\$86.967	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$122,659	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$684,615 \$5,143	=	\$59,372 —	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$397,967 \$57,381	=	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$634,037	Ξ	\$218,437	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$423,380 \$295.804	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$81.834 \$241.665	-	\$28.613	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$237.974	- - - - - - -		
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$258,643 \$758,271	_	\$85,346	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$204,163	-	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$34.836 \$136,933	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$189,455 \$164,744	=	Ξ	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$1,123	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$8,065 \$21,488	=	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$629,083 \$1,291,903	=	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$296,271	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$885 \$269.856	_	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$421,183	_	E40 044	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$16,474 \$343,455	_	\$13,241 —	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$85.984 \$157,122	= - - -	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$94.449	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$59,987 \$73,910	=	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$6,753 \$143.025	Ξ	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$45,316	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855			\$19,930 \$19,979	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855			\$154,977	_	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	FAMILY HEALTH INTERNATIONAL ALBERT EINSTEIN COLLEGE OF	PO15003696	-	(\$1)	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	MEDICINE	311266	-	\$11,334	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	HEALTH RESEARCH INC HEALTH RESEARCH INC	1407250708 557501	=	\$5,907 \$20,213	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	HEALTH RESEARCH INC HEALTH RESEARCH INC	15076501 556801	=	\$82,248 \$32,649	Ξ	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	HEALTH RESEARCH INC	557401	_	\$41,218	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	HEALTH RESEARCH INC ALBERT EINSTEIN COLLEGE OF	561301	_	\$43,807	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	MEDICINE HEALTH RESEARCH INC	31614D 573501	=	\$591 \$61,926	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	EMORY UNIVERSITY	T886297	=	\$6,877	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	HEALTH RESEARCH INC HEALTH RESEARCH INC	582701 583901	_	\$6,781 \$32,207	_	
		ALBERT EINSTEIN COLLEGE OF					
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	MEDICINE HEALTH RESEARCH INC	31614F 608601	=	\$9,203 \$2,048	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	HEALTH RESEARCH INC	608901	_	\$1,837	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	RENSSELAER POLYTECHNIC INSTITUTE	A12672	_	\$485	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	UNIVERSITY OF RHODE ISLAND BRIGHAM AND WOMENS HOSPITAL	071420144509 109925	=	\$16,700 \$218,181	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	UNIVERSITY OF ROCHESTER BRIGHAM AND WOMENS HOSPITAL	417519	-	\$76,009	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	BRIGHAM AND WOMENS HOSPITAL	110285 PEA113237	=	\$90,353 \$1,134	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	HAUPTMAN WOODWARD MEDICAL RESEARCH INSTITUTE INC	NIHHTP01SUB1		(\$777)	_	
ALLERGY AND IN LOTIOUS DISEASES RESEARCH	33.033	UNIVERSITY OF TEXAS	NIIIIIFOISOBI		(\$777)		
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	SOUTHWESTERN MEDICAL CENTER AT DALLAS	160504	_	\$221.848	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	UNIVERSITY OF ROCHESTER	417028G	_	\$145,478	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	UNIVERSITY OF ROCHESTER UNIVERSITY OF ROCHESTER	41712G 417089GURFAOGR500924	=	\$399 \$10	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	UNIVERSITY OF SOUTHERN CALIFORNIA	94044963	_	\$85.229	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	DUKE UNIVERSITY MAGEE-WOMENS RESEARCH	2037741	-	\$435,969	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	INSTITUTE AND FOUNDATION	5689SUNY	_	\$139,850	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	UNIVERSITY OF ROCHESTER UNIVERSITY OF ROCHESTER	417362GURFAOGR510796 417363GURFAOGR510797	-	\$12,457 \$9,884	_	
		UNIVERSITY OF CALIFORNIA AT LOS		_		_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	ANGELES UNIVERSITY OF CALIFORNIA AT LOS	1650GWA340	_	\$177,871	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	ANGELES	1560GWA936	_	\$101,447	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	JOHNS HOPKINS UNIVERSITY UNIVERSITY OF TEXAS MD ANDERSON	IMPAACT/2002110194	_	\$402,296	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	CANCER CENTER CHRONUS PHARMACEUTICALS	00004312/PO#3001172947	-	\$173,673	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	INCORPORATED	NA	-	\$63,018		
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-4901-4609	_	\$98,050	_	
		ALBERT EINSTEIN COLLEGE OF		_		_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	MEDICINE ICAHN SCHOOL OF MEDICINE AT	311281/P0712783	_	\$288,619	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	MOUNT SINAI MICRORID TECHNOLOGIES	0255-4901-4609	-	\$36,181	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	INCORPORATED	STTR PHASE1 R41	_	\$19,207	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	UNIVERSITY OF ARKANSAS FOR MEDICAL SCIENCES	52587/PO#G190121168	_	\$35,031	_	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	UNIVERSITY OF ROCHESTER	417005GURFAOGR510588	Ξ	\$11,367	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	UNIVERSITY OF RHODE ISLAND LEIDOS	0000126038 VR705	=	\$10,559 \$17,581	= = =	
ALLERGY AND INFECTIOUS DISEASES RESEARCH ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855 93.855	UNIVERSITY OF RHODE ISLAND UNIVERSITY OF RHODE ISLAND	000749110102018 000677710312018	=	\$108,221 \$22,081	=	
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855	CODAGENIX INCORPORATED	N/A		\$11,413	=	\$21,823,856
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			(\$207) (\$2.222)	=		
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$205,890 \$527,180	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			\$624,183	=	=	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$242,276 \$296,347	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$394.925 \$213,697	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$258.150 \$104,081	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$69.627 \$88,330	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$73,483 \$564,464	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$143,972 \$95,814	=	\$74,331 —	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$338,153 \$197,385	=	\$42,128	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$126,681 \$125,071	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$140,257 \$83,934	=	Ξ	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$4,360 \$124,402	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$112,168 \$202.003	_ _ _	\$44.661	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$346,403 \$449.747	=	\$46,132	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$706,523 \$177.972	_	\$175,194 —	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$357,389 \$317.787	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$287,667 \$263,337	_	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$137,681 \$454,142	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$194,196 \$267,473	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$437,844 \$227,920	_ _ _	\$15,125	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$308,476 \$437,919	_	\$170,492	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$381,061 \$174,656	=	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$292.395 \$378,685	_	\$55,827	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$302.633 \$63,458	_	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$50.757 \$13,729	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$140.594 \$94,288	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$74,799 \$180,708	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$2,443 \$320,853	=	\$86,067	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$395,260 \$295,122	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$278,454 \$328,731	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$5,547 \$22.865	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$852,756 \$452,284	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$107,681 \$317.518	_	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$378,763 \$19.236	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$497,912 \$397,746	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$24,806 \$543,661	=	 \$70.178	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$211.435 \$450,633	_	\$42,318	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$304,759 \$553,717	=	\$7,342	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$293,908 \$325,642	=	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$29,214 \$441.972	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$386.834 \$275,721	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$575,682 \$215,968	=	 \$81,306	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$331.477 \$362,303	=	-	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$240.390 \$205.022	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$284.672 \$266,625	=	 \$22,482	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$204.370 \$205,595	=	-	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$92,135 \$82,828	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$152,706 \$124.810	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$33,622 \$26,411	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$20,939 \$28,211	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$48,087 \$68,942	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$173,822 \$656,384	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$156,611 \$205,318	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$81,649 \$215,282	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$246,469 \$444.690	_	\$9,424	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$427,591 \$234.008	= =	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$318,140 \$218.583	=	Ξ	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$214,208 \$148,054	=	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$155,986 \$39,148	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$29,079 \$71,885	=		
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$6,470 \$163,249	Ξ	Ξ	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$1,002 \$29,252	=	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$28,753 \$229,698	=	\$23.362	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			\$187,825	_	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$29,759 \$147,716	=	-	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$191,186 \$338	=	\$65,160	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$33,340 \$9,228	_	\$32,613	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$2,908 \$9,641	_	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$35,074 \$34,167	_	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$663,868 \$254,185	=	\$15,957 —	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$460,534 \$84,537	=	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859			\$321,110 \$73,435	=	=	
BIOMEDICAL RESEARCH AND RESEARCH I RAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859 93.859			\$73,435 \$126,279 \$17,305	=	= = = = = = = = = = = = = = = = = = = =	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			\$17,305 \$260,623	=	=	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			\$15,655	_	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	ALBANY MEDICAL COLLEGE SAN DIEGO STATE UNIVERSITY	290265SUNYRF SA0000498	=	\$1.148 (\$35,596)	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	SHASQI INCORPORATED HEALTH RESEARCH INC	EXHIBITA1 555401	_	\$64,281 \$49,601	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	HEALTH RESEARCH INC	560201	=	\$23,747	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	HEALTH RESEARCH INC HOCUSLOCUS LLC	579501 R42GM114935	=	\$45,316 \$276,846	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-6991-4609	_	\$17.919	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF GEORGIA	RR549-622/ S001698	-	\$38,149	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	THE RECTORS & VISITORS OF THE UNIVERSITY OF VIRGINIA	GC11617-139135	-	\$155	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	UNIVERSITY OF DELAWARE UNIVERSITY OF GEORGIA	41228 SUB00000783	=	\$109.129 \$153,883	Ξ	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	UNIVERSITY OF NORTH CAROLINA CH3 BIOSYSTEMS LLC	5102940 NA	=	\$28.849 \$17.435	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	OHIO STATE UNIVERSITY	60060541	=	\$203,219	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	ADVANCED CYTOMETRY INSTRUMENTATION SYSTEMS	N/A	_	\$215,392	\$23,236	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	MICROTECH INSTRUMENTS INCORPORATED	NA	_	\$72.357	,	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	TEXAS A&M AGRILIFE RESEARCH	06S150668	=	\$89,606	=	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	BROWN UNIVERSITY UNIVERSITY OF ALABAMA	00000943 000507353001	=	\$947	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	TEXAS A&M AGRILIFE RESEARCH RES GROUP INC	06S170614 NA	=	\$19.296 \$135,264	Ξ	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	DARTMOUTH COLLEGE	1516 2786704120S01	_	\$72.775	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	SYRACUSE UNIVERSITY SYRACUSE UNIVERSITY	3007704972S01	=	\$95,520 \$30.083	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	OCCIDENTAL COLLEGE PRESIDENT AND FELLOWS OF	OXY000001	-	\$27,342	_	
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	HARVARD COLLEGE	167905 5080626		\$99,591	-	\$34,267,209
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$34,673 \$169	_	\$31,370 —	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$167,050 \$182,101	_	\$27.127	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$94,624 \$59.817	Ξ		
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			\$36,054	=	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$162,045 \$898,786	=	\$21,169 \$42,339	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$107 \$20.669	_ _ _ _ _	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			\$13,009	_	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$583,459 \$481,699	_	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$45,468 \$163,026	_	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$201,688 \$145,877	=	\$2,809	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			\$35.446	=	\$2,809	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$8,651 \$244	_ _ _ _	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$484,341 \$560,032	-	\$182,424 \$323,274	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			\$75,401	Ξ	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$13.791 \$88,177	_	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865			\$484,809 \$22,153	=	\$32,089	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			\$94,016	_	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	CHILDRENS RESEARCH INSTITUTE NEW YORK BLOOD CENTER	30003703-02 3049365	=	\$19,474 \$6,041	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	REGENTS OF THE UNIVERSITY OF CALIFORNIA	0845 G UA171	_	\$33.502		
	93.865	REVERAGEN BIOPHARMA					
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	INCORPORATED CHILDRENS RESEARCH INSTITUTE	1R41HD094622-01 30003703-02	=	\$104,436 \$235,427	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	CHILDRENS RESEARCH INSTITUTE UNIVERSITY OF ROCHESTER	30003703-05 415741-G	_	\$43,141 \$92,116	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF GEORGIA	SUB00000740 417329	-	\$17,197	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	UNIVERSITY OF ROCHESTER OKLAHOMA STATE UNIVERSITY	1568197	=	\$99,694 \$175	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	OKLAHOMA STATE UNIVERSITY TULANE UNIVERSITY	1571918BUFFALO TULHSC5571171819	=	\$14,499 \$21,344	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	OREGON HEALTH & SCIENCE UNIVERSITY	1005923_RSUNY	_	\$247,553		
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	SOUTHERN METHODIST UNIVERSITY	G0015417510	=	\$14,040	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	UNIVERSITY OF GEORGIA UNIVERSITY OF GEORGIA	SUB00001558 SUB00001865	_	\$306,278 \$187,954	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	TEMPLE UNIVERSITY TRUSTEES OF COLUMBIA UNIVERSITY	P0512964 263799-SUNNY	_	\$28,410	-	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	IN THE CITY OF NEW YORK HARVARD UNIVERSITY	R01HD094793 COLUM-0000125557 11420513765096812	-	\$13,823 \$108.639	-	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	FLORIDA STATE UNIVERSITY	R01938	=	\$1,636	=	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	FLORIDA STATE UNIVERSITY HARVARD UNIVERSITY	R02026 11420514765096812	=	\$23,461 \$620,840	Ξ	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	HARVARD SCHOOL OF PUBLIC HEALTH PHOENIX CHILDREN'S HOSPITAL	11420514755111095 FRYE1804	-	\$41.318 \$38,886	_	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	FLORIDA STATE UNIVERSITY	N/A	=	\$1.240	-	
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH AGING RESEARCH	93.865 93.866	PENNSYLVANIA STATE UNIVERSITY	SUNYHD038992	\$337.033	\$172 —	\$69.371	\$7,478,678
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$47,021 \$98.814	_	_	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$348,282 \$219,785	=	\$78,327 \$144,506	
AGING RESEARCH	93.866			\$351,741	=	\$144,506	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$359,467 \$302,023	_	=	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$193,066 \$657,626	_	\$5.293	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$455,786 \$50,365	_	(\$111)	
AGING RESEARCH	93.866			\$858,618	_	\$115,235	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$866,547 \$235,919	_	\$123,757 —	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$165.185 \$239,715	_	=	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$134.224 \$30.632	=	=	
AGING RESEARCH	93.866			\$13.263	_	=	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$36,410 \$571,726	_	\$25.857	
AGING RESEARCH AGING RESEARCH	93.866 93.866			\$181,402 \$140,426	_	_	
AGING RESEARCH	93.866			\$33,715	_	Ξ	
AGING RESEARCH AGING RESEARCH	93.866 93.866	UNIVERSITY OF MICHIGAN	3004154934	\$25,785 —	\$721	=	
AGING RESEARCH	93.866	UNIVERSITY OF GEORGIA TRUSTEES OF COLUMBIA UNIVERSITY	RR376427S001452	_	\$28,545	_	
AGING RESEARCH	93.866	IN THE CITY OF NEW YORK	3GG011968	_	\$4,802	_	
AGING RESEARCH AGING RESEARCH	93.866 93.866	EMORY UNIVERSITY UNIVERSITY OF ALABAMA	A117366 UA12061	=	\$12,279 \$11.847	=	
AGING RESEARCH AGING RESEARCH	93.866 93.866	PENNSYLVANIA STATE UNIVERSITY YALE UNIVERSITY	5486-SBU-DHHS-2167 GR100662(CON-80000839)	=	\$2,727 \$67.285	=	
		PACIFIC HEALTH RESEARCH AND					
AGING RESEARCH	93.866	EDUCATION INSTITUTE OREGON HEALTH & SCIENCE	21704-01	_	\$332,488	_	
AGING RESEARCH AGING RESEARCH	93.866 93.866	UNIVERSITY PENNSYI VANIA STATE LINIVERSITY	9008468-SB 5930-SB-NIA-2167	=	\$30,722 \$10,895	=	
AGING RESEARCH	93.866	TRUSTEES OF COLUMBIA UNIVERSITY	3GG01212601		\$50.724		
		IN THE CITY OF NEW YORK TRUSTEES OF COLUMBIA UNIVERSITY		_		_	
AGING RESEARCH AGING RESEARCH	93.866 93.866	IN THE CITY OF NEW YORK DUKE UNIVERSITY	1RF1AG05155601 A030702	=	\$182,072 \$39,721	=	
AGING RESEARCH	93.866	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	5GG1212604 PO:G13590	_	\$3,293	_	
AGING RESEARCH	93.866	UNIVERSITY OF CALIFORNIA AT SAN DIEGO	79787001		\$205.419		
		UNIVERSITY OF KENTUCKY RESEARCH		_		_	00.45=
AGING RESEARCH VISION RESEARCH	93.866 93.867	FOUNDATION	320000222319097	\$181,015	\$169,234	=	\$8,107,350

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
VISION RESEARCH	93.867			\$171,505	_	_	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$270,303 \$538.142	_	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$416,955 \$355.460	_	_	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$256,147 \$136.890	= =	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$323,579 \$319,547	Ξ	\$111.117	
VISION RESEARCH	93.867			\$52,340	=	–	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$425,836 \$396,144	_	\$46,924	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$434,230 \$130,659	= =	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$208,171 \$242.061	=	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$454,275 \$262,679		 \$85,578	
VISION RESEARCH	93.867			\$570,206	=	-	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$373,352 \$1,475	_	_	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$423.844 \$335,079	_	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$440.332 \$219.261	=	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$81.581 \$121,786	-	_	
VISION RESEARCH	93.867			\$49.293	= =	=	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$352,090 \$355,124	_	, =	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$397,719 \$418,321	=	\$18,592	
VISION RESEARCH VISION RESEARCH	93.867 93.867			\$20,840 \$55,096	=	=	
VISION RESEARCH	93.867			\$27,600	_	_	
VISION RESEARCH VISION RESEARCH	93.867 93.867	SYRACUSE UNIVERSITY	28512-04278-S01	\$21,889 —	\$2,250	_	
VISION RESEARCH	93.867	WASHINGTON STATE UNIVERSITY BOARD OF TRUSTEES OF THE	127939G003739	-	\$5,966	_	
VISION RESEARCH VISION RESEARCH	93.867 93.867	UNIVERSITY OF ALABAMA BIRMINGHAM UNIVERSITY OF CHICAGO	000518417001 FP044673-02-PR-A	=	\$178,186 \$54,926	-	
VISION RESEARCH VISION RESEARCH	93.867 93.867	UNIVERSITY OF ARIZONA	P044673-02-PR-A 2R01EY00953224 343668	=	\$54,926 \$28,140	=	
VISION RESEARCH	93.867	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5107166	-	\$249,525	-	
VISION RESEARCH VISION RESEARCH	93.867 93.867	DUKE UNIVERSITY TRUSTEES OF INDIANA UNIVERSITY	2036752 PO 2262747 BL4635421 SUNY	=	\$8,239 \$13,010	=	
	93.867	JAEB CENTER FOR HEALTH RESEARCH	U10EY11751		\$2,123		
VISION RESEARCH		INCORPORATED REGENTS OF THE UNIVERSITY OF		_		-	
VISION RESEARCH	93.867	MINNESOTA JAEB CENTER FOR HEALTH RESEARCH	A003838501 44313	=	\$21,563	-	
VISION RESEARCH MEDICAL LIBRARY ASSISTANCE	93.867 93.879	INCORPORATED	U10EY11751	 \$11,065	\$2,958	_	\$10,407,712
MEDICAL LIBRARY ASSISTANCE MEDICAL LIBRARY ASSISTANCE	93.879 93.879			\$8,731 \$14,267		 \$1,902	
MEDICAL LIBRARY ASSISTANCE	93.879			\$516,645	_	91,802	
MEDICAL LIBRARY ASSISTANCE MEDICAL LIBRARY ASSISTANCE	93.879 93.879	UNIVERSITY OF ILLINOIS AT CHICAGO RUTGERS UNIVERSITY	16023 8297 PO457849	=	\$17,358 \$12,729	_	
MEDICAL LIBRARY ASSISTANCE MEDICAL LIBRARY ASSISTANCE	93.879 93.879	UNIVERSITY OF PITTSBURGH TRUSTEES OF INDIANA UNIVERSITY	0050256(130904-7) IN4687289SUNY	=	\$15,169 \$10,350	=	\$606,314
NATIONAL BIOTERRORISM HOSPITAL PREPAREDNESS PROGRAM CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE	93.889 93.898	HEALTH RESEARCH INC HEALTH RESEARCH INC	566401 477905		\$28,635 \$78,089	 \$14,479	\$28,635
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE	93.898	HEALTH RESEARCH INC HEALTH RESEARCH INC	569701	_	\$250	_	
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE	93.898 93.898	HEALTH RESEARCH INC	477906 569702	=	\$198,926 \$27,240	\$24,540 —	\$304,505
TRAUMA CARE SYSTEMS PLANNING AND DEVELOPMENT COAL MINERS RESPIRATORY IMPAIRMENT TREATMENT CLINCS AND	93.952	UNIVERSITY OF ROCHESTER NEW YORK INSTITUTE OF	416406	_	\$1,135	_	\$1,135
SERVICES INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.965 93.989	TECHNOLOGY	R15HD92931-SBU-1	 \$146.964	\$4,033	\$24,547	\$4,033
INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989			\$264,716	_	\$99,496	
INTERNATIONAL RESEARCH AND RESEARCH TRAINING INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989 93.989			\$27 \$299,968	_	_	
INTERNATIONAL RESEARCH AND RESEARCH TRAINING MATRERIAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.989 93.994	NYS DEPARTMENT OF HEALTH	C32360GG	\$282,695	 \$45,513	\$29,318	\$994,370 \$45,513
Total U.S. Department of Health and Human Services: Corporation for National and Community Service				\$191,330,086	\$27,125,679	\$23,111,846	\$218,455,765
NATIONAL SERVICE AND CIVIC ENGAGEMENT RESEARCH COMPETITION	94.026			\$38,814			\$38,814
Total Corporation for National and Community Service U.S. Department of Homeland Security:				\$38,814			\$38,814
RESEARCH PROJECTS	97.002	UNIVERSITY OF MARYLAND NATIONAL INSTITUTE FOR HOMETOWN	51943Z9020201	-	\$10.805	_	
RESEARCH PROJECTS	97.002	SECURITY NYS DIVISION OF HOMELAND SECURITY	03-18-SBU	=	\$64,142	-	\$74,947
		AND EMERGENCY MANAGEMENT					
HAZARD MITIGATION GRANT CENTERS FOR HOMELAND SECURITY	97.039 97.061	SERVICES ARIZONA STATE UNIVERSITY	C000814 2017ST061QA0001	=	\$481,912 \$176,607	=	\$481,912
CENTERS FOR HOMELAND SECURITY	97.061	ARIZONA STATE UNIVERSITY UNIVERSITY OF ILLINOIS URBANA	18483	_	\$19,530	_	
CENTERS FOR HOMELAND SECURITY Total U.S. Department of Homeland Security:	97.061	CHAMPAIGN	077083-16370		\$113,732		\$309,869
Agency for International Development:							
UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT					\$866,728	===	\$866,728
	98.000 98.000	NATIONAL ACADEMY OF SCIENCES	2000006863	\$71,008		=======================================	
LISAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.000	RESEARCH FOUNDATION OF CITY		\$71,008	\$866,728 — \$15,351	=======================================	\$866,728 \$86,359
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS Total Agency for International Development:		NATIONAL ACADEMY OF SCIENCES RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK	2000006863 CM000000220001	 	\$866,728 — \$15,351 \$23,191 \$38,542	======================================	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER:	98.000	RESEARCH FOUNDATION OF CITY			\$866,728 — \$15,351 \$23,191		\$866,728 \$86,359 \$23,191
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER:	98.000	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK		 	\$866,728 — \$15,351 \$23,191 \$38,542		\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services:	98.000 98.001	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY	CM000000220001	 	\$866.728 - \$15,351 \$23,191 \$38,542 \$59,519,088		\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY NYS OFFICE OF CHILDREN AND FAMILY	CM00000220001	 	\$866.728 \$15,351 \$23,191 \$38,542 \$59,519,088	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY NYS OFFICE OF CHILDREN AND FAMILY	CM000000220001 C005060 C005186	 	\$866,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2) (\$2)	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM00000220001	 	\$866.728 \$15,351 \$23,191 \$38,542 \$59,519,088	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186	 	\$866,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2) (\$2)	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SER VICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000002220001 C005060 C005186 C005182	 	\$866.728 	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES NEW OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005306	 	\$866,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2) (\$2,425) (\$217) (\$208) (\$18,218)	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A	 	\$866,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2) (\$2,425) (\$217) (\$208) (\$18,218) \$293,167	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A	 	\$866,728 \$15,351 \$23,191 \$38,542 \$59,519,068 (\$2) (\$2,425) (\$217) (\$208) (\$18,218) \$293,167 \$80,692	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A	 	\$986,728 \$15,351 \$23,191 \$33,542 \$595,519,086 (\$2) (\$2) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A	 	\$866,728 \$15,351 \$23,191 \$38,542 \$59,519,068 (\$2) (\$2,425) (\$217) (\$208) (\$18,218) \$293,167 \$80,692	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A	 	\$986,728 \$15,351 \$23,191 \$33,542 \$595,519,086 (\$2) (\$2) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2,425) (\$2		\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A N/A	 	\$966,728 \$15,351 \$33,191 \$38,542 \$59,519,088 (\$2,425) (\$2,425) (\$2,425) (\$2,217) (\$18,218) \$233,167 \$80,692 \$354,401 \$764,813	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 NVA NVA NVA NVA NVA NVA	 	\$996,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2,425) (\$2,425) (\$2,427) (\$208) (\$18,218) \$293,167 \$80,699 \$354,401 \$764,813 \$347,311	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A N/A N/A N/A N/A N/A N/A	 	\$906,728 \$15,351 \$23,191 \$38,542 \$50,519,088 (\$2,25) (\$2,425) (\$2,425) (\$2,827) (\$208) (\$18,218) \$233,167 \$80,892 \$3354,401 \$764,813 \$347,311 \$4,725,835 \$1,050,780	\$85,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A	 	\$966,728	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CH	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A N/A N/A N/A N/A N/A N/A N/A	 	\$906,728 \$15,351 \$23,191 \$38,542 \$50,519,088 (\$2,25) (\$2,425) (\$2,425) (\$2,827) (\$208) (\$18,218) \$233,167 \$80,892 \$3354,401 \$764,813 \$347,311 \$4,725,835 \$1,050,780	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005180 C005306 N/A	 	\$966,728	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES OFFICE OF CHILDREN AND FAMILY SERVICES NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005188 C005182 C005180 C005306 N/A	 	\$966,728	\$85,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES OF CHILDREN AND	CM000000220001 C005060 C005186 C005180 C005306 N/A	 	\$986,728 \$15,351 \$23,191 \$38,542 \$599,519,088 (\$2) (\$2,217) (\$208) (\$18,2187 \$203,167 \$40,692 \$354,401 \$764,813 \$347,311 \$4,725,835 \$1,050,780 \$35,217 \$14,258	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005180 C005306 N/A	 	\$966,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2) (\$2,425) (\$2,425) (\$2,217) (\$208) (\$18,218) \$239,167 \$60,692 \$354,401 \$764,813 \$347,311 \$4,725,835 \$1,050,7295 \$35,217 \$14,258 \$45,063 \$313,250	\$85,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005306 N/A	 	\$966,728 \$15,351 \$23,181 \$38,842 \$500,519,088 (\$2,217) (\$208) (\$18,218) \$239,401 \$764,813 \$347,311 \$47,725,835 \$1,050,780 \$7,295 \$352,477 \$14,258 \$45,063 \$313,250 \$92,699	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005306 N/A	 	\$966,728 \$15,351 \$23,191 \$38,542 \$59,519,088 (\$2) (\$2,425) (\$2,425) (\$2,427) (\$208) (\$18,218) \$23,167 \$30,692 \$354,401 \$764,813 \$347,311 \$47,25,835 \$1,050,780 \$7,295 \$35,217 \$14,258 \$45,063 \$313,250 \$92,699 \$4,305,272	\$85,480.271	\$866,728 \$86,359 \$23,191 \$109,550
Total Agency for International Development: TOTAL RESEARCH AND DEVELOPMENT CLUSTER: CCDF CLUSTER: U.S. Department of Health and Human Services: CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	98.000 98.001 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575 93.575	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK NYS OFFICE OF CHILDREN AND FAMILY SERVICES	CM000000220001 C005060 C005186 C005182 C005306 N/A	 	\$966,728 \$15,351 \$23,181 \$38,842 \$500,519,088 (\$2,217) (\$208) (\$18,218) \$239,401 \$764,813 \$347,311 \$47,725,835 \$1,050,780 \$7,295 \$352,477 \$14,258 \$45,063 \$313,250 \$92,699	\$65,480,271	\$866,728 \$86,359 \$23,191 \$109,550

		real ended June 30,	2019		Pass-	Passed-	Total expenditures
Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	through expenditures	through to Subrecipients	by CFDA and federal grantor
		NYS OFFICE OF CHILDREN AND FAMILY					
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	\$2,990	-	
CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575	SERVICES STONY BROOK UNIVERSITY	N/A NA	=	\$6,469 \$5,326	 \$5,326	
CHILD CARE AND DEVELOPMENT BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575 93.575	STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY	NA NA	=	\$15,403 \$7,645	\$10,806	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027961 CC02 CC03 SPD01 28838	_	(\$41,626)	_	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027967 CC15 CC18 CC35	_	(\$3,325)	_	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	_	(\$3,112)	_	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C028175	_	\$531	_	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C002742	_	\$999,067	\$879,883	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C002742	_	\$1,302,472	\$1,240,449	\$14,963,541
CHILD CARE MANDATORY AND MATCHING FUNDS IF CHILD CARE AND DEVELOPMENT FUND	93.596	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C004117	_	(\$15)	_	(\$15)
Total U.S. Department of Health and Human Services: TOTAL FOR CCDF CLUSTER				=====	\$14,963,526 \$14,963,526	\$2,136,464 \$2,136,464	\$14,963,526 \$14,963,526
CDBG - DISASTER RECOVERY GRANTS - PUB. L. NO. 113-2 CLUSTER:							
U.S. Department of Housing and Urban Development: HURRICANE SANDY COMMUNITY DEVELOPMENT BLOCK GRANT DISASTER							
RECOVERY GRANTS (CDBG-DR) Total U.S. Department of Housing and Urban Development:	14.269	HOUSING TRUST FUND CORPORATION	1297DR113		\$216,894 \$216,894		\$216,894 \$216,894
TOTAL CDBG - DISASTER RECOVERY GRANTS - PUB. L. NO. 113-2 CLUSTER:					\$216,894		\$216,894
CDBG - ENTITLEMENT GRANTS CLUSTER PROGRAMS:							
U.S. Department of Housing and Urban Development: COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218	CITY OF YONKERS	432017		92		
Total U.S. Department of Housing and Urban Development: TOTAL CDBG - ENTITLEMENT GRANTS CLUSTER PROGRAMS:	14.210	on or romano	432017		\$6 \$6		\$6 \$6
							- 40
CHILD NUTRITION CLUSTER: U.S. Department of Agriculture:		NYS EDUCATION DEPARTMENT					
SUMMER FOOD SERVICE PROGRAM FOR CHILDREN Total U.S. Department of Agriculture:	10.559	NYS EDUCATION DEPARTMENT	NA		\$34,118 \$34,118		\$34,118 \$34,118
TOTAL CHILD NUTRITION CLUSTER:					\$34,118		\$34,118
DISABILITY INSURANCE/SSI CLUSTER: U.S. Department of Social Security Administration:							
SOCIAL SECURITY DISABILITY INSURANCE	96.001	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$202,491	_	
SOCIAL SECURITY DISABILITY INSURANCE	96.001	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	TBD	_	(\$1,125)	_	
SOCIAL SECURITY_DISABILITY INSURANCE	96.001	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	TBD	_	\$42,094	_	\$243,460
Total U.S. Department of Social Security Administration: TOTAL DISABILITY INSURANCE/SSI CLUSTER:					\$243,460 \$243,460		\$243,460 \$243,460
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER:							
U.S. Department of Federal Highway Administration:		NYS DEPARTMENT OF					
HIGHWAY PLANNING AND CONSTRUCTION Total U.S. Department of Federal Highway Administration:	20.205	TRANSPORTATION	PO 170099M		(\$464) (\$464)		(\$464) (\$464)
TOTAL HIGHWAY PLANNING AND CONSTRUCTION CLUSTER:					(\$464)		(\$464)
HIGHWAY SAFETY CLUSTER: U.S. Department of Transportation:							
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002362	_	\$87.133	_	
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002365		\$220,457		
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002388	_	\$220,457	_	
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002387	_	\$242,478	_	
STATE AND COMMUNITY HIGHWAY SAFETY STATE AND COMMUNITY HIGHWAY SAFETY	20.600	NATIONAL ASSOCIATION OF EMS PHYSICIANS	N/A	_	\$242,478	_	
NATIONAL PRIORITY SAFETY PROGRAMS	20.600	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE		_	\$21,029	_	
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002363 C002364	_	\$138,347	_	
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002391	_	\$329,684	_	
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	NYS GOVERNORS TRAFFIC SAFETY COMMITTEE	C002391 C002392	_		_	P4 046 270
Total U.S. Department of Transportation: TOTAL HIGHWAY SAFETY CLUSTER:	20.616	COMMITTEE	C002392		\$187,572 \$1,916,379 \$1,916,379		\$1,916,379 \$1,916,379 \$1,916,379
MEDICAID CLUSTER:					\$1,910,379		\$1,910,379
U.S. Department of Health and Human Services:		NYS OFFICE OF CHILDREN AND FAMILY					
MEDICAL ASSISTANCE PROGRAM	93.778	SERVICES NYS OFFICE OF CHILDREN AND FAMILY NYS OFFICE OF CHILDREN AND FAMILY	C005060	-	-	-	
MEDICAL ASSISTANCE PROGRAM	93.778	SERVICES	N/A	-	\$95,329	-	
MEDICAL ASSISTANCE PROGRAM	93.778	NYS DEPARTMENT OF HEALTH NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	-	_	
MEDICAL ASSISTANCE PROGRAM	93.778	NYS OFFICE OF CHILDREN AND FAMILY	C027980	_	(\$3,090)	_	200.054
MEDICAL ASSISTANCE PROGRAM Total U.S. Department of Health and Human Services: TOTAL MEDICAID CLUSTER:	93.778	SERVICES	C028175		\$4,015 \$96,254		\$96,254 \$96,254 \$96,254
TOTAL MEDICAID CLUSTER: SNAP CLUSTER:					\$96,254		\$96,254
SNAP CLUSTER: U.S. Department of Agriculture:							
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005288	-	(\$214)	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005378	_	\$1,041,122	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005373	-	\$436,992	-	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005374	_	\$615,565	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005375	_	\$111,725	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$237,911	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	N/A	_	\$909,556	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	N/A	_	\$394,642	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	N/A	_	\$293,842	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	N/A	_	\$88,986	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	TBD	_	\$7,149	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	TBD	_	(\$57,004)	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	_	(\$5,381)	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	HRA02	_	\$420,078	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	TBD	_	\$1,173,826	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	HRA02	_	\$386,220	_	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	OTSS T5	_	\$657,087	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
r caerar granton/reaerar substitution of pass arreagin granton	number	NYS OFFICE OF TEMPORARY &	r ass allough number	expenditures	experiences	to oubicolpicito	reaciai grantor
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551	DISABILITY ASSISTANCE NYS OFFICE OF CHILDREN AND FAMILY	OTSS T7	-	\$483,120	-	
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL	10.551	SERVICES NYS OFFICE OF TEMPORARY &	C028175	-	\$9,630	-	\$7,204,852
NUTRITION ASSISTANCE PROGRAM STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL	10.561	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	C005172	-	(\$2,162)	-	
NUTRITION ASSISTANCE PROGRAM STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL	10.561	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	C005379	=	\$120,576	_	
NUTRITION ASSISTANCE PROGRAM STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL	10.561	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	N/A	=	\$108,246	\$12,441	
NUTRITION ASSISTANCE PROGRAM STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL	10.561	DISABILITY ASSISTANCE	C00272GG	-	\$275,957	-	
NUTRITION ASSISTANCE PROGRAM Total U.S. Department of Agriculture:	10.561	NYS DEPARTMENT OF HEALTH	DOH01C30370GG3450000		\$101,806 \$7,809,275	\$12,441	\$604,423 \$7,809,275
TOTAL SNAP CLUSTER:					\$7,809,275	\$12,441	\$7,809,275
SPECIAL EDUCATION CLUSTER (IDEA): U.S. Department of Education:							
SPECIAL EDUCATION GRANTS TO STATES SPECIAL EDUCATION GRANTS TO STATES	84.027 84.027	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C012288 C012288		\$11,984 \$489,005	=	
SPECIAL EDUCATION GRANTS TO STATES SPECIAL EDUCATION GRANTS TO STATES	84.027 84.173	MULTIPLE SPONSORS NYS EDUCATION DEPARTMENT	NA C012091		\$107,606 \$134,233	=	\$608,595
SPECIAL EDUCATION PRESCHOOL GRANTS	84.173	NEW YORK CITY DEPARTMENT OF EDUCATION	N/A	-	\$50,814	_	
SPECIAL EDUCATION PRESCHOOL GRANTS SPECIAL EDUCATION PRESCHOOL GRANTS	84.173 84.173	NEW YORK CITY BOARD OF EDUCATION NEW YORK CITY BOARD OF EDUCATION	331800880148/PL 619 331800880148/PL 611	=	(\$11,400) \$29,181	_	
SPECIAL EDUCATION PRESCHOOL GRANTS	84.173	NEW YORK CITY DEPARTMENT OF EDUCATION	N/A	_	\$44,253	_	
SPECIAL EDUCATION PRESCHOOL GRANTS	84.173	NEW YORK CITY DEPARTMENT OF EDUCATION	N/A		\$25,373		\$272,454
Total U.S. Department of Education: TOTAL SPECIAL EDUCATION CLUSTER (IDEA):					\$881,049 \$881,049		\$881,049 \$881,049
STUDENT FINANCIAL ASSISTANCE (SFA) CLUSTER:							
U.S. Department of Health and Human Services: SCHOLARSHIPS FOR HEALTH PROFESSIONS STUDENTS FROM							
DISADVANTAGED BACKGROUNDS Total U.S. Department of Health and Human Services:	93.925			\$831,784 \$831,784	= $=$ $=$		\$831,784 \$831,784
TOTAL STUDENT FINANCIAL ASSISTANCE (SFA) CLUSTER:				\$831,784			\$831,784
TANF CLUSTER: U.S. Department of Health and Human Services:		NYS OFFICE OF CHILDREN AND FAMILY					
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	SERVICES	C005060	_	(\$19)	-	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005182	-	(\$2,859)	-	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005180	-	(\$2,746)	-	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558 93.558	STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY	NA C002109	=	\$193,829	=	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	NA C027961 CC02 CC03 SPD01 28838	_	\$25,283	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558 93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027961 CC02 CC03 SPD01 28838	_	(\$45.582)	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027967 CC15 CC18 CC35	_	(\$45,582)	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027979 PAUT PAUS C027980	_	(\$13.850)	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	ESSEX COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A	_	(\$13,650)	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	FRANKLIN COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A	_	\$23.702	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	ESSEX COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A		\$32,533		
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	CLINTON COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A		\$23.804		
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	FRANKLIN COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A		\$23,552		
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	ESSEX COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A	_	\$21,068	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	CLINTON COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A	_	\$28.898	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027970	=	\$1.548	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C028175	_	\$1,236	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C028437	_	\$8,028	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C002430	_	\$93,142	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C002851	_	\$99,572	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C002851	-	\$1,765,042	_	
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C002851		\$1,206,599		\$3,482,507
Total U.S. Department of Health and Human Services: TOTAL TANF CLUSTER:					\$3,482,507 \$3,482,507		\$3,482,507 \$3,482,507
TRIO CLUSTER:							
U.S. Department of Education: TRIO STUDENT SUPPORT SERVICES	84.042			\$266,744	_	_	
TRIO STUDENT SUPPORT SERVICES TRIO STUDENT SUPPORT SERVICES	84.042 84.042			\$396,234 \$194,615	_	_	
TRIO STUDENT SUPPORT SERVICES TRIO STUDENT SUPPORT SERVICES	84.042 84.042			\$555,838 \$294,344	_	=	
TRIO STUDENT SUPPORT SERVICES TRIO STUDENT SUPPORT SERVICES	84.042 84.042			\$274,985 \$209,885	_ _ _ _ _ _	_	\$2,192,645
TRIO TALENT SEARCH TRIO TALENT SEARCH	84.044 84.044			\$312,625 \$337,827	=	_	\$650,452
TRIO UPWARD BOUND TRIO UPWARD BOUND	84.047 84.047			\$4,926 \$299,767	=======================================	_	
TRIO UPWARD BOUND TRIO UPWARD BOUND	84.047 84.047			\$291,598 \$457,333	=	_	
TRIO UPWARD BOUND TRIO UPWARD BOUND	84.047 84.047			\$557,943 \$312,649	=	=	
TRIO UPWARD BOUND TRIO UPWARD BOUND	84.047 84.047			\$414,260 \$395,068	= = = = =	=	
TRIO UPWARD BOUND TRIO UPWARD BOUND TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.047 84.047 84.217			\$647,309 \$281,871 \$231,639	=	=	
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217 84.217			\$298,396 \$309,400	=	=	
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217			\$228,210			\$4,730,369
Total U.S. Department of Education: TOTAL TRIO CLUSTER:				\$7,573,466 \$7,573,466			\$7,573,466 \$7,573,466
WIOA CLUSTER: U.S. Department of Labor:							
U.S. Department of Labor: WIOA DISLOCATED WORKER FORMULA GRANTS WIOA DISLOCATED WORKER FORMULA GRANTS	17.278 17.278	NYS DEPARTMENT OF LABOR NYS DEPARTMENT OF LABOR	C015345 C18363GG	_	(\$94) \$38.334	-	\$38.240
WIOA DISLOCATED WORKER FORMULA GRANTS Total U.S. Department of Labor: TOTAL WIOA CLUSTER:	17.2/8	A 75 DEPARTMENT OF LABOR	0.1030300		\$38,334 \$38,240 \$38,240		\$38,240 \$38,240 \$38,240
					\$38,Z4U		\$38,24U
OTHER PROGRAMS: U.S. Department of Peace Corps: PEACE CORPS	08.000			\$13,386			\$13.386
Total U.S. Department of Peace Corps: U.S. Department of Agriculture:	00.000			\$13,386	===	===	\$13,386
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217 10.217			\$129,775 \$9,839	=	\$72,412 \$8,840	\$139,614
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)	10.217			\$279,145	_	\$81,459	\$279,145
WIC SPECIAL SUPPLEMENTAL NUITRITION PROGRAM FOR WOMEN INFANTS AND CHILDREN	10.557	NYS DEPARTMENT OF HEALTH	DOH01-C30390GG-3450000	-	(\$76)	-	. =,=

		fear ended June 30,	. 2019				Total
Fordered associated developed distriction as a constant absociated associated	CFDA	Dana shuarrah Ensite Nama	Pass-through number	Direct	Pass- through	Passed- through	expenditures by CFDA and
Federal grantor/federal subdivision or pass-through grantor WIC SPECIAL SUPPLEMENTAL NUITRITION PROGRAM FOR WOMEN INFANTS	number	Pass-through Entity Name	Pass-through number	expenditures	expenditures	to Subrecipients	federal grantor
AND CHILDREN WIG SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN INFANTS WIG SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN INFANTS	10.557	NYS DEPARTMENT OF HEALTH	DOH01-C30390GG-3450000	_	\$390,512	-	
AND CHILDREN	10.557 10.664	NYS DEPARTMENT OF HEALTH	DOH01-C30390GG-3450000	 \$13.996	\$995,300	_	\$1,385,736
COOPERATIVE FORESTRY ASSISTANCE SOIL AND WATER CONSERVATION	10.902			\$3,218	=	Ξ	\$13,996
SOIL AND WATER CONSERVATION Total U.S. Department of Agriculture:	10.902			\$23,271 \$459,244	\$1,385,736	\$162,711	\$26,489 \$1,844,980
U.S. Department of Commerce: CLUSTER GRANTS	11.020			\$7,387	_	_	
CLUSTER GRANTS ECONOMIC DEVELOPMENT TECHNICAL ASSISTANCE	11.020 11.303			\$109,168 \$60,773	=	=	\$116,555 \$60,773
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313			\$155,243 \$746,446	_	_	\$901,689
SEA GRANT SUPPORT	11.417			\$16,786	_	=	\$901,009
SEA GRANT SUPPORT SEA GRANT SUPPORT	11.417 11.417			\$36,199 \$42,299	_	_	
SEA GRANT SUPPORT SEA GRANT SUPPORT	11.417 11.417			\$10,019 \$8,338	=	_	\$113,641
SCIENCE TECHNOLOGY BUSINESS OUTREACH	11.620			\$7,968			\$7,968
Total U.S. Department of Commerce: U.S. Department of Defense:				\$1,200,626			\$1,200,626
DEPARTMENT OF DEFENSE	12.000	OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION	NA	_	\$2,428	_	\$2,428
BASIC	12.630	NATIONAL SCIENCE TEACHERS ASSOCIATION	19871040	_	\$15.804	_	
BASIC	12.630	NATIONAL SCIENCE TEACHERS ASSOCIATION	19871107		\$13.838		
BASIC	12.630	BATTELLE MEMORIAL INSTITUTE	US001-0000538406	-	\$2,930	Ξ	\$32,572
LANGUAGE GRANT PROGRAM LANGUAGE GRANT PROGRAM	12.900 12.900			\$85,129 \$2,448	_	=	\$87,577
INFORMATION SECURITY GRANTS GENCYBER GRANTS PROGRAM	12.902 12.903	PURDUE UNIVERSITY	410486661	 \$51.130	\$11,978 —	_	\$11,978 \$51.130
Total U.S. Department of Defense: U.S. Department of Housing and Urban Development:				\$138,707	\$46,978		\$185,685
COMMUNITY DEVELOPMENT BLOCK GRANTS/STATE'S PROGRAM							
AND NON-ENTITLEMENT GRANTS IN HAWAII Total U.S. Department of Housing and Urban Development:	14.228	OTSEGO COUNTY	N/A		\$3,044 \$3,044		\$3,044 \$3,044
U.S. Department of the Interior: COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE							
NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE	15.945			\$912	_	=	
NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE	15.945			\$11,202	-	_	
NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE	15.945			\$7,434	_	-	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE	15.945			\$32,103	-	-	
NATIONAL PARK SYSTEM	15.945			\$57,480	_	_	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$11,987	-	_	
COOPERATIVE RESEARCH AND TRAINING PROGRAMS RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			\$12,129	_	_	\$133,247
NATIONAL PARK SERVICE CONSERVATION	15.954	NATIONAL WRITING PROJECT CORPORATION	01NY09NPS2018	_	\$2.897	_	\$2.897
Total U.S. Department of the Interior: U.S. Department of Justice:				\$133,247	\$2,897		\$136,144
·		ERIE COUNTY DEPARTMENT OF					
DEPARTMENT OF JUSTICE	16.000	HEALTH ERIE COUNTY DEPARTMENT OF	NA	_	\$8,961	_	
DEPARTMENT OF JUSTICE DEPARTMENT OF JUSTICE	16.000 16.000	HEALTH STATE UNIVERSITY OF NEW YORK	18701HE C003385	_	\$13,870 \$1,316,089	_	\$1,338,920
GRANTS TO REDUCE DOMESTIC VIOLENCE GRANTS TO REDUCE DOMESTIC VIOLENCE	16.525 16.525			\$70,876 \$84,973	-	=	\$155,849
NATIONAL INSTITUTE OF JUSTICE RESEARCH EVALUATION AND DEVELOPMENT PROJECT GRANTS					_	_	
CRIMINAL JUSTICE RESEARCH AND DEVELOPMENT GRADUATE RESEARCH	16.560			\$21,649	_	_	\$21,649
FELLOWSHIPS CRIMINAL JUSTICE RESEARCH AND DEVELOPMENT GRADUATE RESEARCH	16.562			\$3,550	_	_	
FELLOWSHIPS CRIMINAL JUSTICE RESEARCH AND DEVELOPMENT GRADUATE RESEARCH	16.562			\$47,813	-	_	
FELLOWSHIPS CRIMINAL JUSTICE RESEARCH AND DEVELOPMENT GRADUATE RESEARCH	16.562			\$43,939	_	_	
FELLOWSHIPS CRIMINAL JUSTICE RESEARCH AND DEVELOPMENT GRADUATE RESEARCH	16.562			\$47,105	_	_	
FELLOWSHIPS CRIMINAL JUSTICE RESEARCH AND DEVELOPMENT GRADUATE RESEARCH	16.562			\$14,983	_	_	
FELLOWSHIPS CRIME VICTOMS ASSISTANCE	16.562 16.575	STATE UNIVERSITY OF NEW YORK	NA	\$54,236	 \$1.622	_	\$211,626 \$1,622
		LIFESPAN OF GREATER ROCHESTER		=		_	\$1,622
CRIME VICTIM/DISCRETIONARY GRANTS CRIME VICTIM/DISCRETIONARY GRANTS	16.582 16.582	INCORPORATED NYS OFFICE OF VICTIM SERVICES	NA CIDMH2018	_	\$103,530 \$303,074	_	\$406,604
VIOLENCE AGAINST WOMEN FORMULA GRANTS	16.588	NYS DIVISION OF CRIMINAL JUSTICE SERVICES	NYS DIVISION OF CRIMINAL JUSTICE SER	_	\$62,769	_	\$62,769
PUBLIC SAFETY PARTNERSHIP AND COMMUNITY POLICING GRANTS	16.710	ARIZONA STATE UNIVERSITY NYS DIVISION OF CRIMINAL JUSTICE	N/A	-	(\$16)	_	(\$16)
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	SERVICES	C484559	-	\$168,174	_	
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	NYS DIVISION OF CRIMINAL JUSTICE SERVICES	C484635	_	\$458,290	_	\$626,464
VISION 21 Total U.S. Department of Justice:	16.826	NYS OFFICE OF VICTIM SERVICES	C2015CHSR	\$389,124	\$90,398 \$2,526,761		\$90,398
U.S. Department of Labor: H-48 JOB TRAINING GRANTS	17.268	FINGER LAKES COMMUNITY COLLEGE	NA		\$13.323		
H-1B JOB TRAINING GRANTS	17.268	FINGER LAKES COMMUNITY COLLEGE	NA	Ξ	\$99,266	Ξ	\$112,589
WIOA NATIONAL DISLOCATED WORKER GRANTS/WIA NATIONAL EMERGENCY G Total U.S. Department of Labor:	17.277	NYS DEPARTMENT OF LABOR	C015346		(\$5,469) \$107,120		(\$5,469) \$107,120
U.S. Department of State:		INSTITUTE OF INTERNATIONAL					
DEPARTMENT OF STATE INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA	19.000 19.021	EDUCATION	FSTUB2019		\$64,021	-	\$64,021 (\$225)
PUBLIC DIPLOMACY PROGRAMS	19.040			\$9,990	=	=	(\$225)
PUBLIC DIPLOMACY PROGRAMS PUBLIC DIPLOMACY PROGRAMS	19.040 19.040			\$6,024 \$417	_	_	
PUBLIC DIPLOMACY PROGRAMS REGIONAL DEMOCRACY PROGRAM	19.040 19.221			\$45,417 \$279,321	=	=	\$61,848 \$279,321
INTERNATIONAL PROGRAMS TO SUPPORT DEMOCRACY PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN	19.345			\$177,929	=	=	\$177,929
EXCHANGES	19.415	US DEPARTMENT OF STATE	SECAGD14CA1113	(\$607)	-	-	
PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN EXCHANGES	19.415	AMERICAN COUNCIL FOR INTERNATIONAL EDUCATION	SECAGD15CA1045	_	(\$464)	_	
PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN EXCHANGES	19.415	AMERICAN COUNCIL FOR INTERNATIONAL EDUCATION	SECAGD17CA1053 SBU200389	_	\$72,337	_	
PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN EXCHANGES	19.415	AMERICAN COUNCIL FOR INTERNATIONAL EDUCATION	S-ECAGD-18-CA-1041-SBU-200391		\$156,679		
PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN	19.415	WORLD LEARNING	SYAC2ECAGD17CA1070	=	\$122,069	=	
PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN EXCHANGES PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN	19.415	WORLD LEARNING	SYAC2ECAGD18CA0059	-	\$53,420	-	
PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - CITIZEN EXCHANGES	19.415	ASPEN INSTITUTE	SECAGD15CA1065		\$17,295		\$420,729
Total U.S. Department of State: Appalachian Regional Commission:				\$518,266	\$485,357		\$1,003,623
APPALACHIAN AREA DEVELOPMENT APPALACHIAN AREA DEVELOPMENT	23.002 23.002			\$52,299 \$1,241	_	=	
APPALACHIAN AREA DEVELOPMENT	23.002			\$36,424	_	_	8451005
APPALACHIAN AREA DEVELOPMENT	23.002			\$64,941	-	-	\$154,905
APPALACHIAN RESEARCH Total Appalachian Regional Commission:	23.011	EAST TENNESSEE STATE UNIVERSITY	181321S11	\$154,905	\$2,906 \$2,906		\$2,906 \$157,811
National Aeronautics and Space Administration: SCIENCE	43.001			\$17.083	- 42,550		
SCIENCE	43.001			\$33,036	_	_	
SCIENCE SCIENCE	43.001 43.001			\$5,543 \$32,493	_	_	
SCIENCE EDUCATION	43.001 43.008	CORNELL UNIVERSITY	76156-10491	\$42,088 —	\$10,000	_	\$130,243 \$10,000
Total National Aeronautics and Space Administration: National Endowment for the Arts:				\$130,243	\$10,000		\$140,243
	45.004			800.000			
PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024			\$30,000	_	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024			\$14,199	_	_	
PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024	ARTS MIDWEST	00019821	_	\$121	_	\$44,320
PROMOTION OF THE HUMANITIES FEDERAL/STATE PARTNERSHIP PROMOTION OF THE HUMANITIES FEDERAL/STATE PARTNERSHIP	45.129 45.129	HUMANITIES NEW YORK HUMANITIES NEW YORK	3596217 3596218	=	\$5,000 \$5,000	=	\$10,000
PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS	45.149			\$9,372	_	-	
PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES	45.149			\$64,723	-	-	\$74,095
AND CURRICULUM DEVELOPMENT PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT	45.162 45.163			\$8,245 \$120,397	=	=	\$8,245
PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS	45.163 45.164			\$76,165 \$1,000	_	=	\$196,562 \$1,000
MUSEUMS OF AMERICA LAURA BUSH 21st CENTURY LIBRIAN PROGRAM	45.301 45.313	UNIVERSITY OF WEST GEORGIA	115854AUB	\$109,074	\$68,778		\$109,074 \$68,778
Total National Endowment for the Arts: National Science Foundation: MATHEMATICAL AND PHYSICAL SCIENCES	47.049	UNIVERSITY OF NOTRE DAME	NA	\$433,175	\$78,899 \$800		\$512,074 \$800
GEOSCIENCES	47.049	TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK	NA 84GG009393POG13009	_	\$15,000	_	\$800
GEOSCIENCES	47.050	BROOKHAVEN SCIENCE ASSOCIATES	NA NA	_	(\$18,520)	_	
GEOSCIENCES	47.050	UNIVERSITY OF NEW MEXICO VIRGINIA POLYTECHNIC INSTITUTE AND	133663-87Y4	_	\$31,781	-	\$28,261
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	STATE UNIV VIRGINIA POLYTECHNIC INSTITUTE AND	47959019B88	_	\$41,888	-	
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING EDUCATION AND HUMAN RESOURCES	47.070 47.076	STATE UNIV CARTHAGE COLLEGE	479590-19245 30130-530-1	_	\$28,606 \$28,948	=	\$70,494
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076	PAUL SMITH'S COLLEGE MUSEUM OF SCIENCE BOSTON	17420411 N/A		\$12,048 \$500		\$41,496
Total National Science Foundation: Small Business Administration: SMALL BUSINESS DEVELOPMENT CENTERS	59.037			\$653.913	\$141,051		\$141,051
SMALL BUSINESS DEVELOPMENT CENTERS SMALL BUSINESS DEVELOPMENT CENTERS SMALL BUSINESS DEVELOPMENT CENTERS	59.037 59.037			\$4,292,936 \$53,537	=	\$3,335,908 \$53,537	
SMALL BUSINESS DEVELOPMENT CENTERS FEDERAL AND STATE TECHNOLOGY PARTNERSHIP PROGRAM	59.037 59.058			\$2,567,142 \$13,846	Ξ	\$1,578,070	\$7,567,528 \$13,846
Total Small Business Administration: Veterans Benefits Administration:	55.550			\$7,581,374		\$4,967,515	\$7,581,374
VETERANS BENEFITS ADMINISTRATION VETERANS DEPENDENCY AND INDEMNITY COMPENSATION FOR SERVICE-	64.000			\$8,832	-	-	\$8,832
CONNECTED DEATH Total Veterans Benefits Administration:	64.110			\$1,668 \$10,500			\$1,668 \$10,500
Environmental Protection Agency:		NYS ENVIRONMENTAL FACILITIES					
ENVIRONMENTAL PROTECTION AGENCY	66.000	CORPORATION NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION	584 C792050200	_	\$18,335	=	
ENVIRONMENTAL PROTECTION AGENCY ENVIRONMENTAL PROTECTION AGENCY	66.000	NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION	AM10700	_	\$11,467	_	
ENVIRONMENTAL PROTECTION AGENCY ENVIRONMENTAL PROTECTION AGENCY	66.000 66.000	NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION	AM10700 AM10700	_	\$4,429 \$3.810	_	\$38.041
Total Environmental Protection Agency: U.S. Department of Energy:	00.000	ENTROPHICATION CONTINUES	AW10700		\$38,041		\$38,041
FOSSIL ENERGY RESEARCH Total U.S. Department of Energy:	81.089			\$165,041 \$165,041		\$2,934 \$2,934	\$165,041 \$165,041
U.S. Department of Education:		ERIE COUNTY DEPARTMENT OF SOCIAL					
ADULT EDUCATION - BASIC GRANTS TO STATES ADULT EDUCATION - BASIC GRANTS TO STATES	84.002 84.002	SERVICES NYS EDUCATION DEPARTMENT	ED4232 C012254	=	(\$143) \$96,140	=	
ADULT EDUCATION - BASIC GRANTS TO STATES MIGRANT EDUCATION STATE GRANT PROGRAM	84.002 84.011	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C012254 C402220 0035180022	=	\$240,439 \$333,967	\$28,657	\$336,436
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	016044 C403305 0035190022	Ξ	\$119,167 \$411,014	\$2,974 —	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C402222 0035180037 C403307 0035190037		\$237,511 \$496,405 \$62,127	=	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011 84.011	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C402221 0035180002 C403306 0035190002 C400993 0035120005	=	\$526,248 \$114	=	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C402224 0035160005 C402224 0035170005	=	(\$55) \$8.504	Ξ	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C402224 0035180005 C403309 0035190005	_	\$243,180 \$634,204	=	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	CALIFORNIA DEPARTMENT OF EDUCATION	CN160041	_	(\$28)	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	NYS EDUCATION DEPARTMENT LOUISIANA DEPARTMENT OF	C990426	_	(\$1,615)	-	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	EDUCATION MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY	NA	_	\$419,976	\$65,021	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	EDUCATION INDIANA DEPARTMENT OF EDUCATION	C315169001 21033	=	\$2,710 \$42.793	-	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	KENTUCKY DEPARTMENT OF EDUCATION	PON254017000029231	_	\$42,793 \$5,752	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	CALIFORNIA DEPARTMENT OF EDUCATION	CN170045	_	\$46.603	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	NYS EDUCATION DEPARTMENT PENNSYLVANIA DEPARTMENT OF	C990426	_	\$757,672	\$110,510	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	EDUCATION TEXAS EDUCATION AGENCY	N/A 3596	=	\$11,309 \$5,157	=	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	MISSOURI DEPARTMENT OF EDUCATION	N/A	_	\$7,269	=	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	IDAHO DEPARTMENT OF EDUCATION COLORADO DEPARTMENT OF	N/A	_	\$7,871	_	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	EDUCATION MISSISSIPPI DEPARTMENT OF EDUCATION	N/A 1832018230FA09B0B6004	_	\$7,659 \$773	_	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	ARIZONA DEPARTMENT OF EDUCATION OREGON DEPARTMENT OF EDUCATION	ADED18184045 PO 344550	Ξ	\$4,300 \$7,233	=	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	ALABAMA STATE DEPARTMENT OF EDUCATION	C8U0291	_	\$26,944	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	ALABAMA STATE DEPARTMENT OF EDUCATION	C8U0290	_	\$13,427	\$3,340	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	MAINE DEPARTMENT OF EDUCATION GEORGIA DEPARTMENT OF EDUCATION	N/A N/A	=	\$7,244 \$7,624	=	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	FLORIDA DEPARTMENT OF EDUCATION MISSISSIPPI STATE UNIVERSITY	9862178T8PE01 012474	=	\$110,655 (\$96)	=	
MIGRANT EDUCATION STATE GRANT PROGRAM		WASHINGTON STATE OFFICE OF SUPERINTENDENT OF PUBLIC INSTRUCTION					
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	VIRGINIA DEPARTMENT OF EDUCATION ARKANSAS DEPARTMENT OF	N/A 78224472018,EP2750089	=	\$8,266 \$19,354	=	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	EDUCATION ARROYO RESEARCH SERVICES	4600042804 NA	_	\$26,760 \$1,672	-	
	5011	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY		_	\$1,572	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	EDUCATION ARKANSAS MIGRANT EDUCATION	CS181807001	=	\$618,916	-	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	PROGRAM NYS EDUCATION DEPARTMENT	201867 C990426		\$3,377 \$1,410,321	 \$52,778	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	KENTUCKY DEPARTMENT OF EDUCATION	PON25401900001523	_	\$35,666	\$34,666	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	MISSISSIPPI DEPARTMENT OF EDUCATION	8200041885	_	\$4,140	-	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	MISSISSIPPI STATE UNIVERSITY MAINE DEPARTMENT OF EDUCATION MISSOLIED DEPARTMENT OF	017480 S144F1600019		\$8,755 \$13,600	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	MISSOURI DEPARTMENT OF EDUCATION PENNSYLVANIA DEPARTMENT OF	S144F160025	=	\$13,595	_	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	PENNSYLVANIA DEPARTMENT OF EDUCATION OREGON DEPARTMENT OF EDUCATION	S144F160002 S144F160037	_	\$17,188 \$14,308	-	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	IDAHO DEPARTMENT OF EDUCATION GEORGIA DEPARTMENT OF EDUCATION	S144F1600019 N/A	=	\$13,999 \$13,725	=	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	ALABAMA STATE DEPARTMENT OF EDUCATION	C9U0119		\$72,604	_	
	-						

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal granto
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	ALABAMA STATE DEPARTMENT OF EDUCATION WASHINGTON STATE OFFICE OF	C9U0118	=	\$32,220	-	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	SUPERINTENDENT OF PUBLIC INSTRUCTION	S144F160048	_	\$13,628	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	KENTUCKY DEPARTMENT OF EDUCATION	PON25401900002702	_	\$28,641	_	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	FLORIDA DEPARTMENT OF EDUCATION INDIANA DEPARTMENT OF EDUCATION	9862179T9PE01 00000000000000000000028806	=	\$174,640 \$17,159	=	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	COLORADO DEPARTMENT OF EDUCATION	S144F18006 PO:DAAA201900007803	_	\$11.621	_	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	TEXAS EDUCATION AGENCY GENESEO MIGRANT CENTER	A41619 196150177110001	-	\$107,729	-	
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011	INCORPORATED MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY	N/A	_	\$14,909	-	
MIGRANT EDUCATION STATE GRANT PROGRAM MIGRANT EDUCATION STATE GRANT PROGRAM	84.011 84.011	EDUCATION NYS EDUCATION DEPARTMENT	CS181807001 C402223 0035180013	=	\$1,229 \$273,233	=	
MIGRANT EDUCATION STATE GRANT PROGRAM NATIONAL RESOURCE CENTERS PROGRAM FOR FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN LANGUAGE AND INTERNATIONAL STUDIES	84.011	NYS EDUCATION DEPARTMENT	C403308 0035190013	_	\$655,015	_	\$8,189,788
PROGRAM AND FO VATIONAL RESOURCE CENTERS PROGRAM FOR FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN LANGUAGE AND INTERNATIONAL STUDIES	84.015	UNIVERSITY OF MAINE AT ORONO	UMS985	_	\$22,716	_	
PROGRAM AND FO HIGHER EDUCATION INSTUTUTIONAL AID	84.015 84.031	UNIVERSITY OF MAINE AT ORONO	UMS 1197	 \$113.445	\$23,186	=	\$45,902 \$113.44
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048 84.048				\$14,425 \$90,565	=	Q110,44
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048 84.048			Ξ	\$3,038 \$187,789	_	
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048			_	\$1,343	=-	
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048 84.048				\$73,206 (\$241)	=	
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048 84.048			_	\$100,053 (\$1,932)	=	
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048 84.048			_	\$154,819 \$10,745	_	
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048 84.048			-	\$78,889 \$39,241	=	
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES	84.048				\$168,358	_	\$920,29
UND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION UND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO	84.116 84.116	NYS OFFICE OF CHILDREN AND FAMILY		\$403,106 \$882,538	=	\$159,837 —	\$1,285,64
ITATES EHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO	84.126	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005060	-	-	=	
STATES REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO	84.126	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	=	\$821,746	-	
TATES EHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO	84.126	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	-	\$597,407	_	
ITATES EHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO	84.126	SERVICES	N/A	-	\$22,106	_	
IERABILITATION SERVICES VOCATIONAL REPABLITATION GRANTS TO ITATES IEHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO	84.126	NYS EDUCATION DEPARTMENT NYS OFFICE OF CHILDREN AND FAMILY	C011548	=	\$59,078	_	
REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO	84.126	SERVICES	T011978	-	\$28,089	_	
STATES	84.126	NYS EDUCATION DEPARTMENT	C013637	-	\$66,142	_	
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	=	(\$301)	_	\$1,594,26
IIGRANT EDUCATION COORDINATION PROGRAM IIGRANT EDUCATION COORDINATION PROGRAM	84.144 84.144	FLORIDA DEPARTMENT OF EDUCATION FLORIDA DEPARTMENT OF EDUCATION	9861168T8P001 9861169T9P001	_	\$15,104 \$46,952	=	\$62,05
IGRANT EDUCATION COLLEGE ASSISTANCE MIGRANT PROGRAM DUCATION FOR HOMELESS CHILDREN AND YOUTH	84.149 84.196	GENESEE VALLEY BOCES	N/A	\$411,496 —	\$300	_	\$411,49
DUCATION FOR HOMELESS CHILDREN AND YOUTH DUCATION FOR HOMELESS CHILDREN AND YOUTH	84.196 84.196	GENESEE VALLEY BOCES GENESEE VALLEY BOCES	N/A NA	= =	\$1,350 \$449	_	
DUCATION FOR HOMELESS CHILDREN AND YOUTH DUCATION FOR HOMELESS CHILDREN AND YOUTH	84.196 84.196	GENESEE VALLEY BOCES GENESEE VALLEY BOCES	N/A 1901597	=	\$1,679 \$171	=	
DUCATION FOR HOMELESS CHILDREN AND YOUTH	84.196	GENESEE VALLEY BOCES	NA	=	\$3,072	_	
DUCATION FOR HOMELESS CHILDREN AND YOUTH RADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.196 84.200	GENESEE VALLEY BOCES	NA	\$102,927	\$10,906 —	=	\$17,92
RADUATE ASSISTANCE IN AREAS OF NATIONAL NEED RADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200 84.200			\$202,407 \$145,645	_	_	
RADUATE ASSISTANCE IN AREAS OF NATIONAL NEED RADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200 84.200			\$233,122 \$49,360	_	_	
RADUATE ASSISTANCE IN AREAS OF NATIONAL NEED EHABILITATION TRAINING_STATE VOCATIONAL REHABILITATION UNIT IN-	84.200			\$101,012	-	_	\$834,47
ERVICE TRAINING EHABILITATION TRAINING_STATE VOCATIONAL REHABILITATION UNIT IN-	84.265	NYS EDUCATION DEPARTMENT	C012263	_	\$19,583	_	
ERVICE TRAINING WENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.265 84.287	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	C012263 C403011 0187187065	_	\$69,287 \$21,739	=	\$88,87
WENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS IDIAN EDUCATION SPECIAL PROGRAMS FOR INDIAN CHILDREN	84.287 84.299	NYS EDUCATION DEPARTMENT	NA	 \$4.537	\$198,947 —	\$21,035 —	\$220,68 \$4,53
DUCATION RESEARCH	84.305	TEACHERS COLLEGE COLUMBIA UNIVERSITY	511139	_	\$12,344	_	\$12,34
PECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT	84.323 84.323	NYS EDUCATION DEPARTMENT NYS EDUCATION DEPARTMENT	MOU015022 MOU018026	-	\$504,057 \$137,130	\$81,585	\$641,18
PECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT PECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES ND RESULTS FOR CHILDREN WITH DISABILITIES	84.325	WIG EDGGWIGW DEI 7MMENT	WOO010020	\$259.959	\$137,130	_	9041,10
ND RESULTS FOR CHILDREN WITH DISABILITIES PECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES ND RESULTS FOR CHILDREN WITH DISABILITIES	84.325			\$160,353	_	_	
PECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES ND RESULTS FOR CHILDREN WITH DISABILITIES	84.325	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK	CM00000796 00 46442-00 01	\$100,333	\$4,375		\$424,68
AINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE		NYS HIGHER EDUCATION SERVICES	HES01 C12336GG 3310200	_		_	\$424,00
ROGRAMS AINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE	84.334	CORPORATION NYS HIGHER EDUCATION SERVICES		_	\$73,632	_	
ROGRAMS AINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE	84.334	CORPORATION NYS HIGHER EDUCATION SERVICES	HES01C12336GG3310200	_	\$152,935	_	
ROGRAMS HILD CARE ACCESS MEANS PARENTS IN SCHOOL	84.334 84.335	CORPORATION	C003043	 \$17,739	\$193,302 —	_	\$419,86 \$17,73
EACHER QUALITY PARTNERHIP GRANTS	84.336	CHEEKTOWAGA CENTRAL SCHOOL DISTRICT	NA	_	\$18,216	_	\$18,21
ATHEMATICS AND SCIENCE PARTNERSHIPS UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.366	BUFFALO CITY SCHOOL DISTRICT NATIONAL WRITING PROJECT	F0004F20440EN19	-	\$58,801	_	\$58,80
PROVING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	CORPORATION	04NY10SEED2017ILI	-	\$1,500	_	
PROVING TEACHER QUALITY STATE GRANTS) JPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT	C402711	-	\$116,364	\$99,389	
IPROVING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT	0247180030 C402717	-	\$236,376	\$172,136	
PPROVING TEACHER QUALITY STATE GRANTS) JPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT	0247180101 C402702	-	\$27,238	_	
PROVING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT NATIONAL WRITING PROJECT	C402706 0247180020	-	\$23,381	_	
DPPONTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IPPONTING EFFECTIVE INSTRUCTION STATE GRANTS)	84.367	CORPORATION	08NY14SEED2017ILI	=	\$13,347	_	
IPROVING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT	C402708 0247180022	-	\$100,389	_	
PROVING TEACHER QUALITY STATE GRANTS) JPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT NATIONAL WRITING PROJECT	C402714 0247180026	-	\$26,749	_	
PROVING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	CORPORATION NATIONAL WRITING PROJECT	01NY09SEED2017CRWPPD	-	\$1,869	_	
UPPORTING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	CORPORATION	01NY09SEED2017ILI	-	\$2,790	-	
UPPORTING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT	C402700 0247180104	-	\$107,019	-	
UPPORTING TEACHER QUALITY STATE GRANTS (FORMERLY UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY	84.367	NYS EDUCATION DEPARTMENT	C402716 0247180027	-	\$128,284	-	
	84.367	NYS EDUCATION DEPARTMENT BANK STREET COLLEGE OF	0247180028 C402709	-	\$19,610	-	
IPROVING TEACHER QUALITY STATE GRANTS) UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMER) V	84.367	EDUCATION	1123992883 F2074A20440KD18	_	(\$3,885) \$37,180	 \$37,180	\$801,03
UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IPROVING TEACHER QUALITY STATE GRANTS)	04.307	BLIFFALO CITY SCHOOL DISTRICT		_		\$37,180	
UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IPROVING TEACHER QUALITY STATE GRANTS) CHOOL IMPROVEMENT GRANTS CHOOL IMPROVEMENT GRANTS	84.377 84.377	BUFFALO CITY SCHOOL DISTRICT BUFFALO CITY SCHOOL DISTRICT	F2074A20440DK19A2074F20440CSP	_	\$149,602	\$117,330	
UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY PROVING TEACHER QUALITY STATE GRANTS) CHOOL MIPROVEMENT GRANTS	84.377 84.377 84.377 84.377	BUFFALO CITY SCHOOL DISTRICT ROCHESTER CITY SCHOOL DISTRICT ROCHESTER CITY SCHOOL DISTRICT	F2074A20440DK19A2074F20440CSP NA NA	_ _ _	\$640 \$54,871	=	
UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY MPROVING TEACHER QUALITY STATE GRANTS) CHOOL IMPROVEMENT GRANTS CHOOL IMPROVEMENT GRANTS CHOOL IMPROVEMENT GRANTS CHOOL IMPROVEMENT GRANTS CHOOL OF MOREOVEMENT GRANTS CHOOL OF MOREOVEMENT GRANTS	84.377 84.377 84.377	BUFFALO CITY SCHOOL DISTRICT ROCHESTER CITY SCHOOL DISTRICT	F2074A20440DK19A2074F20440CSP NA		\$640 \$54,871 \$23,514 \$25,500		
WIPROVING TEACHER QUALITY STATE GRANTS; UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY UPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY UPPORTING TEACHER QUALITY STATE GRANTS) CHOOL MIPROVEMENT GRANTS TOTAL U.S. Department of Education: Department of Health and Human Services:	84.377 84.377 84.377 84.377 84.377	BUFFALO CITY SCHOOL DISTRICT ROCHESTER CITY SCHOOL DISTRICT ROCHESTER CITY SCHOOL DISTRICT SYRACUSE CITY SCHOOL DISTRICT	F2074A20440DK19A2074F20440CSP NA NA PO SCSD10000038923	_	\$640 \$54,871 \$23,514	=	\$291,30 \$16,811,00

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000			\$1,693,543	_	_	
DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000	NYS DEPARTMENT OF HEALTH NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	_	-	
DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	TBD	=	\$3,068,056	_	
DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	TBD	_	\$860,317	_	
DEPARTMENT OF HEALTH AND HUMAN SERVICES	93.000	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	TBD	_	\$1,095,761	\$118,196	
DEPARTMENT OF HEALTH AND HUMAN SERVICES ENIVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.000 93.070	SERVICES HEALTH RESEARCH INC	TBD 584401	=	\$406,227 \$8,896	_	\$13,867,169
ENIVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.070	HEALTH RESEARCH INC	584402	_	\$33,554	_	\$42,450
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.074	PUBLIC HEALTH SOLUTIONS	17RFS02 76606	-	\$6,000	_	
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.074	PUBLIC HEALTH SOLUTIONS	17RFS02 76606	_	\$16,151	=	
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.074	PUBLIC HEALTH SOLUTIONS	17RFS01 AMD1/76607	_	\$25,586	-	
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.074	HEALTH RESEARCH INC	285712	_	\$6,667	_	
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.074	HEALTH RESEARCH INC	434907	=	\$22,680	_	
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE	93.074	HEALTH RESEARCH INC	285713	_	\$19,288	_	
AGREEMENTS HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH	93.074	HEALTH RESEARCH INC	486904	_	\$4,340	-	
EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS ADVANCING SYSTEM IMPROVEMENTS FOR KEY ISSUES IN WOMEN'S	93.074	HEALTH RESEARCH INC ERIE COUNTY DEPARTMENT OF	486905	_	\$37,535	_	\$138,247
HEALTH ADVANCING SYSTEM IMPROVEMENTS FOR KEY ISSUES IN WOMEN'S	93.088	HEALTH ERIE COUNTY DEPARTMENT OF	NA 40000UE	_	\$625	_	
HEALTH GUARDIANSHIP ASSISTANCE	93.088 93.090	HEALTH STONY BROOK UNIVERSITY	18662HE NA	_	\$18,791 —	_	\$19,416
GUARDIANSHIP ASSISTANCE	93.090	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027961 CC02 CC03 SPD01 28838	_	_	_	
GUARDIANSHIP ASSISTANCE	93.090	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027967 CC15 CC18 CC35	_	(\$200)	_	
GUARDIANSHIP ASSISTANCE	93.090	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027979 FA01 FA03	_	(\$6,030)	_	
GUARDIANSHIP ASSISTANCE	93.090	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	_	(\$31)	_	(\$6,261)
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092	NYS DEPARTMENT OF HEALTH	DOH01C32087GG3450000	_	(\$1)	_	
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092	NYS DEPARTMENT OF HEALTH	DOH01C32087GG3450000	_	\$154,701	_	
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092	NYS DEPARTMENT OF HEALTH	DOH01C32087GG3450000	-	\$140,665	-	\$295,365
AFFORDABLE CARE ACT (ACA) HEALTH PROFESSION OPPORTUNITY GRANTS	93.093	ACTION FOR A BETTER COMMUNITY INCORPORATED	90FX0055	-	\$35,715	-	
AFFORDABLE CARE ACT (ACA) HEALTH PROFESSION OPPORTUNITY GRANTS	93.093	ACTION FOR A BETTER COMMUNITY INCORPORATED	90FX0055	-	\$74,772	-	\$110,487
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104	RESEARCH FOUNDATION FOR MENTAL HYGIENE	129942	_	\$116,887	_	
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104	CAYUGA COUNTY COMMUNITY MENTAL HEALTH	N/A	_	\$28,997	_	
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104	CAYUGA COUNTY COMMUNITY MENTAL HEALTH	N/A	_	\$126,117	_	
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104	RESEARCH FOUNDATION FOR MENTAL HYGIENE	139463		\$310,510	_ =	\$582,511
AREA HEALTH EDUCATION CENTERS AREA HEALTH EDUCATION CENTERS	93.107 93.107			\$294,588 \$821,641	_	\$252,574 \$608,717	\$1,116,229
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110 93.110			\$132 \$68,328	_	_	
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110 93.110	UNIVERSITY OF ROCHESTER	417377	\$2,004	\$11,620	=	\$82,084
PREVENTIVE MEDICINE AND PUBLIC HEALTH RESIDENCY TRAINING PROGRAM	93.117			\$133,746	_	_	
PREVENTIVE MEDICINE AND PUBLIC HEALTH RESIDENCY TRAINING PROGRAM	93.117			\$245,938	_	_	
PREVENTIVE MEDICINE AND PUBLIC HEALTH RESIDENCY TRAINING PROGRAM	93.117			\$12,682	_	-	\$392,366
NURSE ANESTHETIST TRAINEESHIP EMERGENCY MEDICAL SERVICES FOR CHILDREN	93.124 93.127	MEDICAL COLLEGE OF WISCONSIN	6091339	\$55,968 —	\$5,152	_	\$55,968 \$5,152
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136	HEALTH RESEARCH INC	15084702	-	\$3,793	-	
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.136	HEALTH RESEARCH INC	565601	-	\$382	-	
COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.136	HEALTH RESEARCH INC	570602	=	\$14,691	_	
COMMUNITY BASED PROGRAMS	93.136	HEALTH RESEARCH INC	563001	-	(\$60)	_	
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.136	HEALTH RESEARCH INC	5630-02	_	\$63,913	-	
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.136	HEALTH RESEARCH INC	548702	_	\$48,199	-	
COMMUNITY BASED PROGRAMS INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND	93.136	HEALTH RESEARCH INC	15084703	_	\$18,530	-	
COMMUNITY BASED PROGRAMS NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING	93.136 93.142	HEALTH RESEARCH INC RUTGERS UNIVERSITY	15084703 8353PO675175	=	\$10,170 \$5,637	=	\$159,618
NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING	93.142 93.142	RUTGERS UNIVERSITY RUTGERS UNIVERSITY	8353PO675139 979406	Ξ	\$3,985 \$8,927		
NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE	93.142 93.142 93.145	RUTGERS UNIVERSITY	0718PO939741	 \$3,026	\$27,302	=	\$45,851
HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE	93.145	COLUMBIA UNIVERSITY	1(GG011897-03)	\$3,026	\$12,625	=	****
COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN	93.145 93.153	COLUMBIA UNIVERSITY	11(GG011897-04)	\$198,713	\$146,881 —	_	\$162,532
COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN	93.153 93.153			\$802,122 \$55,729	_	\$30,398	
COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN DISABILITIES PREVENTION	93.153 93.184	HEALTH RESEARCH INC	605601	\$293,689 —	\$24,613	\$69,195	\$1,350,253 \$24,613
NATIONAL RESEARCH SERVICE AWARD IN PRIMARY CARE MEDICINE	93.186			\$290,837	_	_	\$290,837
GRANTS TO STATES TO SUPPORT ORAL HEALTH WORKFORCE ACTIVITIES	93.236	HEALTH RESEARCH INC	579701	_	\$14,490	_	
GRANTS TO STATES TO SUPPORT ORAL HEALTH WORKFORCE ACTIVITIES SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF	93.236	HEALTH RESEARCH INC	N/A	_	\$213	_	\$14,703
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			(\$137)	_	_	
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF	93.243			\$70,899	_	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243 93.243			\$25,748 \$4.635	_	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			\$4,635 \$52,089	_	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			\$52,089 \$97,926	_	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			\$97,926 \$218.352	_	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			\$218,352 \$264,150	_	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	BESTSELF BEHAVIORAL HEALTH INCORPORATED	N/A	\$204,10U	\$91,606	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	ERIE COUNTY DEPARTMENT OF MENTAL HEALTH	N/A 1994MH	_	\$91,606	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	CRISIS SERVICES INCORPORATED	1994MH NA	_	\$325,612 \$34,133	_	
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	NYS OFFICE OF ALCOHOLISM SUBSTANCE ABUSE SERVICES	NA NA	_	\$34,133 \$44,917	_	
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF		NYS OFFICE OF ALCOHOLISM SUBSTANCE ABUSE SERVICES		_		_	64 007 740
REGIONAL AND NATIONAL SIGNIFICANCE	93.243	SOUS I MINUE MOUSE SERVICES	NA	_	\$67,789	_	\$1,297,719

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM	93.247			\$319,763	_	_	
ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM	93.247 93.247			\$530,001 \$506,983	_	=	\$1,356,747
PUBLIC HEALTH TRAINING CENTERS PROGRAM POISON CENTER SUPPORT AND ENHANCEMENT GRANT PROGRAM	93.249 93.253	COLUMBIA UNIVERSITY	N/A	 \$100.258	\$2,171	_	\$2,171
POISON CENTER SUPPORT AND ENHANCEMENT GRANT PROGRAM IMMUNIZATION COOPERATIVE AGREEMENTS	93.253 93.268	ONONDAGA COUNTY	35014R4	\$241,999	 \$19.924	=	\$342,257 \$19.924
DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND	93.276	CNONDAGA COUNTT	220 14174	\$69,983	910,024	Ξ	\$69,983
TECHNICAL ASSISTANCE	93.283	HEALTH RESEARCH INC	N/A	_ =	\$29,968	_ =	\$29,968
NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS LEADERSHIP IN PUBLIC HEALTH SOCIAL WORK EDUCATION GRANT	93.300			\$197,257	_	\$47,634	\$197,257
PROGRAM NURSE EDUCATION PRACTICE QUALITY AND RETENTION GRANTS	93.330 93.359			\$262,943 \$156,811	_	_	\$262,943
NURSE EDUCATION PRACTICE QUALITY AND RETENTION GRANTS NURSE EDUCATION PRACTICE QUALITY AND RETENTION GRANTS	93.359 93.359	NORTHEASTERN UNIVERSITY	500538-78050	\$4,678	 \$522	=	\$162,011
CANCER TREATMENT RESEARCH CANCER TREATMENT RESEARCH	93.395 93.395	NRG ONCOLOGY FOUNDATION INC BRIGHAM AND WOMENS HOSPITAL	NA CALGB50801	=	\$9,746 \$2	_	
		CHILDREN'S HOSPITAL OF		_		_	
CANCER TREATMENT RESEARCH CANCER BIOLOGY RESEARCH	93.395 93.396	PHILADELPHIA HEALTH RESEARCH INC	ACCL1333-BRISTOL MYERS SQUIBB 30801	=	\$1,868 \$1,039	=	\$11,616
CANCER BIOLOGY RESEARCH	93.396	BRIGHAM AND WOMENS HOSPITAL NYS OFFICE OF CHILDREN AND FAMILY	A031201	=	\$485	_	\$1,524
EVERY STUDENT SUCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS	93.434	SERVICES NYS JUSTICE CENTER FOR THE	C028479	_	\$136,125	_	\$136,125
ACL ASSISTIVE TECHNOLOGY	93.464	PROTECTION OF PEOPLE WITH SPECIAL NEEDS	JUS01C10007GG1420000 TR7GG	_	\$92,582	_	
ACL ASSISTIVE TECHNOLOGY	93.464	NYS COMM ON QUAL CARE AND ADV FOR PERSONS WITH DIS	N/A	_	\$3,059	_	
ACL ASSISTIVE TECHNOLOGY	93.464	NYS COMM ON QUAL CARE AND ADV FOR PERSONS WITH DIS	JUS01C10008GG1420000		\$85,096		
		NYS COMM ON QUAL CARE AND ADV		_		_	
ACL ASSISTIVE TECHNOLOGY	93.464	FOR PERSONS WITH DIS NYS COMM ON QUAL CARE AND ADV	N/A	=	\$33,032	_	
ACL ASSISTIVE TECHNOLOGY STATE PLANNING AND ESTABLISHMENT GRANTS FOR THE AFFORDABLE	93.464	FOR PERSONS WITH DIS COMMUNITY SERVICE SOCIETY OF	N/A	_	\$1,159	_	\$214,928
CARE ACT (ACA)A??S EXCHANGES	93.525	NEW YORK CATHOLIC FAMILY CENTER OF	C028904	-	\$22,419	_	\$22,419
PROMOTIMG SAFE AND STABLE FAMILIES	93.556	ROCHESTER	N/A	-	\$40,257	_	\$40,257
CHILD SUPPORT ENFORCEMENT	93.563	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005380	_	\$527,243	_	
CHILD SUPPORT ENFORCEMENT	93.563	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005377	_	\$890,739	_	
CHILD SUPPORT ENFORCEMENT	93.563	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C005376		\$148,377		
		NYS OFFICE OF CHILDREN AND FAMILY		_		_	
CHILD SUPPORT ENFORCEMENT	93.563	SERVICES NYS OFFICE OF TEMPORARY &	N/A	_	\$61,964	_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	N/A	-	\$466,914	_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	N/A	-	\$140,309	_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE	N/A	-	\$824,240	_	
CHILD SUPPORT ENFORCEMENT	93.563	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	_	(\$1,540)	_	
CHILD SUPPORT ENFORCEMENT	93.563	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C021952	_	\$193,023	_	
CHILD SUPPORT ENFORCEMENT	93.563	NYS OFFICE OF TEMPORARY & DISABILITY ASSISTANCE	C021958		\$13,900		
		NYS OFFICE OF TEMPORARY &		_		_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	C021979	_	\$207,124	_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	NA	-	\$670,836	_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	NA	-	\$12,299	_	
CHILD SUPPORT ENFORCEMENT	93.563	DISABILITY ASSISTANCE NYS OFFICE OF CHILDREN AND FAMILY	NA	-	\$16,905	_	
CHILD SUPPORT ENFORCEMENT	93.563	SERVICES	C028175	-	\$2,381	_	\$4,174,714
LOW-INCOME HOME ENERGY ASSISTANCE	93.568	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$30,078	_	
LOW-INCOME HOME ENERGY ASSISTANCE	93.568	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	_	(\$639)	_	\$29,439
		NYS OFFICE OF CHILDREN AND FAMILY					
REFUGEE AND ENTRANT ASSISTANCE DISCRETIONARY GRANTS	93.576	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	\$1,808	_	\$1,808
COMMUNITY BASED CHILD ABUSE PREVENTION GRANTS	93.590	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005362	_	\$70,578	_	
COMMUNITY BASED CHILD ABUSE PREVENTION GRANTS	93.590	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005459	-	\$1,086,886	_	
COMMUNITY BASED CHILD ABUSE PREVENTION GRANTS	93.590	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005460	-	\$82,076	_	
COMMUNITY BASED CHILD ABUSE PREVENTION GRANTS	93.590	SERVICES	C005467	_	\$198,700	_	\$1,438,240
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	NYS DEVELOPMENTAL DISABILITIES PLANNING COUNCIL	C024319	=	\$3	_	\$3
CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION	93.648 93.648			\$3,045,280 \$1,325,980	_	\$2,730,622 \$648.169	\$4.371.260
FOSTER CARE TITLE IV-E	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005060	4.10=01000	(60)	***************************************	*
· · · · · · ·		NYS OFFICE OF CHILDREN AND FAMILY		=	(\$3)	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005182	_	(\$214)	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005180	-	(\$320)	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	-	\$760,524	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES	C005401	-	\$1,274	_	
FOSTER CARE_TITLE IV-E	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	-	\$51,768	_	
FOSTER CARE_TITLE IV-E	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$14.231	_	
	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A		\$48.765		
FOSTER CARE_TITLE IV-E		NYS OFFICE OF CHILDREN AND FAMILY		_		_	
FOSTER CARE TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	\$97,696	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	=	\$77,413	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	-	\$3,007	_	
FOSTER CARE_TITLE IV-E	93.658	SERVICES	N/A	_	\$1,130	-	
FOSTER CARE TITLE IV-E FOSTER CARE TITLE IV-E	93.658 93.658	STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY	NA NA		\$3,048 \$8,315	\$3,048 \$5,834	
FOSTER CARE TITLE IV-E	93.658	STONY BROOK UNIVERSITY NYS OFFICE OF CHILDREN AND FAMILY	NA	_	\$9,055	-	
FOSTER CARE_TITLE IV-E	93.658	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C027961 CC02 CC03 SPD01 28838	-	(\$41,471)	-	
FOSTER CARE_TITLE IV-E	93.658	SERVICES	C027967 CC15 CC18 CC35	-	(\$5,569)	-	
FOSTER CARE_TITLE IV-E	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027979 FA01 FA03	_	(\$11,552)	_	
FOSTER CARE_TITLE IV-E	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027980	_	(\$3,362)	_	
FOSTER CARE_TITLE IV-E	93.658	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C028175		\$2.947		\$1.016.682
		NYS OFFICE OF CHILDREN AND FAMILY		_		_	₩1,010,00Z
ADOPTION ASSISTANCE	93.659	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005060	_	(\$7)	_	
ADOPTION ASSISTANCE	93.659	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005182	-	(\$1,534)	-	
ADOPTION ASSISTANCE	93.659	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C005180	-	(\$1,302)	_	
ADOPTION ASSISTANCE	93.659	SERVICES	C005401	-	\$62,967	_	
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	-	\$235,567	-	
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$105,633	_	

Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A		\$286,431		
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A		\$254,514		
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$22,048	_	
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$55.840	_	
ADOPTION ASSISTANCE ADOPTION ASSISTANCE ADOPTION ASSISTANCE	93.659 93.659	STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY	NA NA	=	\$43,666 \$124.574	\$43,666	
ADOPTION ASSISTANCE ADOPTION ASSISTANCE	93.659	STONY BROOK UNIVERSITY NYS OFFICE OF CHILDREN AND FAMILY	NA NA	=	\$124,574 \$54,394	\$87,395 —	
ADOPTION ASSISTANCE	93.659	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C027961 CC02 CC03 SPD01 28838	-	(\$315,287)	-	
ADOPTION ASSISTANCE	93.659	SERVICES	C027967 CC15 CC18 CC35	-	(\$21,834)	_	
ADOPTION ASSISTANCE	93.659	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C027979 FA01 FA03	-	(\$81,918)	_	\$823,752
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005060	_	(\$8)	_	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005182	_	(\$1,610)	_	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005180	-	(\$1,366)	_	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005313	_	(\$960)	_	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A	_	\$320,599	\$241.828	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	C005401	_	\$80.119	_	
SOCIAL SERVICES BLOCK GRANT	93.667	ALBANY COUNTY DEPARTMENT FOR CHILDREN YOUTH AND FAMILIES	N/A	_	\$15.658	_	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY SERVICES	N/A		\$299.655		
SOCIAL SERVICES BLOCK GRANT		NYS OFFICE OF CHILDREN AND FAMILY SERVICES		_		_	
	93.667	NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	\$134,390	_	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	\$364,440	_	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	N/A	=	\$323,731	-	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES NYS OFFICE OF TEMPORARY &	N/A	_	\$28,056	_	
SOCIAL SERVICES BLOCK GRANT	93.667	DISABILITY ASSISTANCE NYS OFFICE OF CHILDREN AND FAMILY	N/A	_	\$36,902	_	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES ALBANY COUNTY DEPARTMENT FOR	N/A		\$71,050	-	
SOCIAL SERVICES BLOCK GRANT	93.667	CHILDREN YOUTH AND FAMILIES NYS OFFICE OF CHILDREN AND FAMILY	N/A	-	\$4,473	-	
SOCIAL SERVICES BLOCK GRANT SOCIAL SERVICES BLOCK GRANT	93.667 93.667	SERVICES STONY BROOK UNIVERSITY	N/A	=	\$22,185	 \$51.977	
SOCIAL SERVICES BLOCK GRANT	93.667	STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY STONY BROOK UNIVERSITY	NA NA	=	\$51,977 \$158,540	\$51,977 \$111,224	
SOCIAL SERVICES BLOCK GRANT	93.667	NYS OFFICE OF CHILDREN AND FAMILY	NA	_	\$242,237	_	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES NYS OFFICE OF CHILDREN AND FAMILY	C027961 CC02 CC03 SPD01 28838	=	(\$375,327)	-	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES NYS OFFICE OF TEMPORARY &	C027967 CC15 CC18 CC35	=-	(\$23,647)	_	
SOCIAL SERVICES BLOCK GRANT	93.667	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	C000196	_	\$16,657	-	
SOCIAL SERVICES BLOCK GRANT	93.667	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	C021652	=	\$347	_	
SOCIAL SERVICES BLOCK GRANT	93.667	DISABILITY ASSISTANCE NYS OFFICE OF TEMPORARY &	C021645		\$107,475	-	
SOCIAL SERVICES BLOCK GRANT	93.667	DISABILITY ASSISTANCE ERIE COUNTY DEPARTMENT OF SOCIAL	C021896	-	\$6,663	-	
SOCIAL SERVICES BLOCK GRANT	93.667	SERVICES ONTARIO COUNTY DEPARTMENT OF	ED4447	=	\$349,345	-	
SOCIAL SERVICES BLOCK GRANT	93.667	SOCIAL SERVICES	N/A		\$16,382	-	
SOCIAL SERVICES BLOCK GRANT	93.667	DUTCHESS COUNTY DEPARTMENT OF COMMUNITY AND FAMILY SERVICES	N/A	_	\$35,873	_	
SOCIAL SERVICES BLOCK GRANT	93.667	ERIE COUNTY DEPARTMENT OF SOCIAL SERVICES	ED4447 (A)	_	\$887.944	_	
SOCIAL SERVICES BLOCK GRANT	93.667	ONTARIO COUNTY DEPARTMENT OF SOCIAL SERVICES	N/A	_	\$16.645	_	
SOCIAL SERVICES BLOCK GRANT	93.667	DUTCHESS COUNTY DEPARTMENT OF COMMUNITY AND FAMILY SERVICES	N/A		\$20.762		\$3.209.187
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732 93.732		1671	\$643,805 \$68.655	— —	=	40,200,107
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732 93.732			\$231,895 \$47.101	=	=	
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732			\$47,101 \$455,041	=	=	\$1,446,497
STATE AND LOCAL PUBLIC HEALTH ACTIONS TO PREVENT OBESITY	93.757	FUND FOR PUBLIC HEALTH IN NEW YORK	82826	-	\$32,334	_	\$32,334
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH DEMONTRATION AND EVALUATIONS	93.779	NYS DEPARTMENT OF HEALTH	NA		(\$17,826)	-	
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH DEMONTRATION AND EVALUATIONS CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH	93.779	NYS DEPARTMENT OF HEALTH	NA	_	(\$36,148)	_	
DEMONTRATION AND EVALUATIONS CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH	93.779	NYS DEPARTMENT OF HEALTH	N/A	_	(\$15,083)	_	
DEMONTRATION AND EVALUATIONS	93.779	NYS DEPARTMENT OF HEALTH	N/A		(\$11,063)	-	
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH DEMONTRATION AND EVALUATIONS	93.779	NYS DEPARTMENT OF HEALTH	N/A		\$13,153	-	
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH DEMONTRATION AND EVALUATIONS	93.779	NYS OFFICE FOR PEOPLE WITH DEV DISABILITIES	N/A	-	\$279,209	_	
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH DEMONTRATION AND EVALUATIONS	93.779	NYS DEPARTMENT OF HEALTH	N/A	-	\$58,350	_	
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH DEMONTRATION AND EVALUATIONS CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMD) RESEARCH	93.779	NYS OFFICE FOR PEOPLE WITH DEV DISABILITIES	N/A	_	\$127,103	_	
DEMONTRATION AND EVALUATIONS	93.779	NYS DEPARTMENT OF HEALTH	N/A	=	\$29,920	_	\$427,615
OPIOID STR	93.788	RESEARCH FOUNDATION FOR MENTAL HYGIENE	138074		\$140,625	_	
OPIOID STR	93.788	RESEARCH FOUNDATION FOR MENTAL HYGIENE	143122	_	\$462	_	\$141.087
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION HEALTH CAREERS OPPORTUNITY	93.791 93.822	NYS DEPARTMENT OF HEALTH	NA	 \$448.375	(\$49,423)	\$58.861	(\$49,423) \$448.375
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837	DUKE UNIVERSITY YALE UNIVERSITY	177494/218214/226028 GR104937(CON-80001560)	=	\$2,898 \$297		
CARDIOVASCULAR DISEASES RESEARCH	93.837	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK	CM000050400	=	\$12.091	_	
CARDIOVASCULAR DISEASES RESEARCH	93.837	RESEARCH FOUNDATION OF CITY UNIVERSITY OF NEW YORK	CM0000504-01		\$52,720		\$68.006
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	WASHINGTON UNIVERSITY	WU-18-274	_ =	\$52,720 \$216	=	\$216
ACL CENTERS FOR INDEPENDENT LIVING RECOVERY ACT EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.844	MAGNANI (1977)	ANNUAR	\$200,972	-	_	\$200,972
NEUROLOGICAL DISORDERS ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.853 93.855	MASSACHUSETTS GENERAL HOSPITAL DUKE UNIVERSITY	NN105 MDRO NETWORK/CRACKLE II		\$18,940 \$6,961	_	\$18,940 \$6,961
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865	UNIVERSITY OF DELAWARE FAST TRACK DRUGS & BIOLOGICS LLC	48598 HHSN27500008-NCIG7-SBUMC	=	\$17,065 \$88,496	=	\$105,561
MEDICAL LIBRARY ASSISTANCE GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.879 93.884			 \$558,812	\$18,940 —	 \$21,997	\$18,940
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884 93.884			\$168,984 \$10,929	_		
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884	PRESIDENT AND FELLOWS OF		\$280,250	=	=	
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884	HARVARD COLLEGE UNITED WAY OF LONG ISLAND	158269 5103415 0303	=	\$27,215	-	\$1,046,190
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914 93.914	SOUTHAMPTON HOSPITAL	17725 NA		(\$662) (\$120)	=	
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914 93.914	UNITED WAY OF LONG ISLAND UNITED WAY OF LONG ISLAND	18725 18724	= =	\$145,529 \$112,159	_	
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914 93.914	UNITED WAY OF LONG ISLAND UNITED WAY OF LONG ISLAND	189800 NA		\$7,000 \$26,231	_	
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914 93.914	UNITED WAY OF LONG ISLAND PUBLIC HEALTH SOLUTIONS	18725 16HRM364		\$46,791 \$328,902	_	
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914 93.914	PUBLIC HEALTH SOLUTIONS PUBLIC HEALTH SOLUTIONS	15SCG364 10MCM364		\$205,086 \$77,624	_	
HIV EMERGENCY RELIEF PROJECT GRANTS	93.914	AIDS UNITED	U69HA310670100	-	\$13,793	-	

		rear ended June 30,	2019				
Federal grantor/federal subdivision or pass-through grantor	CFDA number	Pass-through Entity Name	Pass-through number	Direct expenditures	Pass- through expenditures	Passed- through to Subrecipients	Total expenditures by CFDA and federal grantor
HIV EMERGENCY RELIEF PROJECT GRANTS	93.914	PUBLIC HEALTH SOLUTIONS	18CCR364		\$462.339		
HIV EMERGENCY RELIEF PROJECT GRANTS	93.914	AIDS UNITED	1U69HA310670100	_	\$134.572	_	
		PUBLIC HEALTH SOLUTIONS		_		_	
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914 93.914	PUBLIC HEALTH SOLUTIONS PUBLIC HEALTH SOLUTIONS	16HRM364 15SCG364	_	\$118,276 \$60,896	_	
HIV EMERGENCY RELIEF PROJECT GRANTS HIV EMERGENCY RELIEF PROJECT GRANTS	93.914	PUBLIC HEALTH SOLUTIONS	18CCR364	_	\$60,896 \$257.688	_	\$1,996,104
HIV CARE FORMULA GRANTS	93.917	HEALTH RESEARCH INC	4898-05	_	\$138,091	_	\$1,990,104
HIV CARE FORMULA GRANTS	93.917	HEALTH RESEARCH INC	5090-04	_	\$115,126	_	
		HEALTH RESEARCH INC		_		_	8000 745
HIV CARE FORMULA GRANTS GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE	93.917 93.918	HEALTH RESEARCH INC	4898	 \$592	\$27,498	_	\$280,715
GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE	93.918			\$878,475	_	\$55,217	
GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH					_		** *** ***
RESPECT TO HIV DISEASE ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND	93.918	UEALTH DEGEAROUNG		\$579,007	_	_	\$1,458,074
CONTROL	93.945	HEALTH RESEARCH INC CLINTON COUNTY OFFICE FOR THE	520803	_	\$23,599	_	\$23,599
PPHF GERIATRIC EDUCATION CENTERS	93.969	AGING CLINTON COUNTY OFFICE FOR THE	N/A	=	\$2,774	_	
PPHF GERIATRIC EDUCATION CENTERS	93.969	AGING CLINTON COUNTY OFFICE FOR THE	N/A	-	\$77,125	_	
PPHF GERIATRIC EDUCATION CENTERS SEXUALLY TRANSMITTED DISEASES (STD) PREVENTION AND CONTROL	93.969	AGING	N/A	-	\$15,602	_	\$95,501
GRANTS	93.977	HEALTH RESEARCH INC	375010	_	\$72,948	_	\$72.948
NATIONAL HEALTH PROMOTION	93.990	HEALTH RESEARCH INC	NA	_	\$300	_	\$300
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	C030520	_	\$5,582	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	C030520	-	\$5,518	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	C027551	-	\$4,120	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01-C32134GG-3450000	-	\$469	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01-C32361GG-3450000	-	(\$1,339)	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01-C32134GG-3450000	-	\$197,909	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01-C32361GG-3450000	-	\$47,710	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01-C32134GG-3450000	-	\$167,823	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01C32413GG3450000	-	\$2,238	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	NYS DEPARTMENT OF HEALTH	DOH01C32413GG3450000	-	\$33,531	_	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES Total U.S. Department of Health and Human Services: Corporation for National and Community Service:	93.994	STATE UNIVERSITY OF NEW YORK	C003166	\$23,784,442	\$359,329 \$22,860,484	\$5,186,552	\$822,890 \$46,644,926
RETIRED AND SENIOR VOLUNTEER PROGRAM	94.002			\$58.285	_	_	
RETIRED AND SENIOR VOLUNTEER PROGRAM	94.002			\$10,041	_	_	\$68,326
Total Corporation for National and Community Service:				\$68.326			\$68,326
Agency for International Development:							,
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			(\$14.957)	_	_	
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			\$238,054	_	_	
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			\$11,096,535	_	\$1,178,865	
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	CROWN AGENTS USA INCORPORATED	ZIMSUNY2017	_	\$1,890	_	\$11,321,522
Total Agency for International Development:				\$11,319,632	\$1,890	\$1,178,865	\$11,321,522
TOTAL OTHER PROGRAMS:				\$49,587,884	\$41,411,480	\$12,485,015	\$90,999,364
TOTAL EXPENDITURE OF FEDERAL AWARDS:				\$419,445,904	\$130,614,856	\$80,117,437	\$550,060,760

See accompanying notes to schedule of expenditures of federal awards

THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK

Notes to the Schedule of Expenditures of Federal Awards
June 30, 2019

(1) Significant Accounting Policies Used in Preparing the SEFA

The accompanying schedule of expenditures of federal awards (the Schedule) presents the direct and indirect expenditures of federal financial assistance programs administered by The Research Foundation for The State University of New York (the RF). The information in this 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).

The amounts reported were obtained from the RF's general ledger, which is the source of the federal financial reports and is maintained on an accrual basis. However, the Schedule is prepared on the cash basis. Negative amounts represent adjustments to expenditures reported in prior years in the normal course of business. Pass through amounts are reported under the related Catalog of Federal Domestic Assistance (CFDA) number, as indicated on the schedule. CFDA and pass through numbers are presented where available. Amounts passed through to subrecipients are reported separately on the Schedule.

(2) 10% De Minimis Cost Rate

The auditee did not elect to use the 10% de minimis cost rate as covered in 2 CFR 200.414 Indirect (F&A) cost.

(3) Direct and Indirect Federal Award Expenditures

Federal award expenditures consist of direct and indirect costs, which are commonly referred to as facilities and administrative (F&A) costs. Direct costs are those that can be easily identified with an individual federally sponsored project. The salary of a principal investigator of a sponsored research project and the materials consumed by the project are examples of direct costs. Unlike direct costs, indirect costs cannot be easily identified with an individual federally sponsored project. Indirect costs are the costs of services and resources that benefit both sponsored and nonsponsored projects and activities. Indirect costs consist of expenses incurred for administration, library, plant maintenance, and building and equipment depreciation. The RF and federal agencies use an indirect cost rate to charge indirect costs to individual federally sponsored projects. The rate is a result of a number of complex cost allocation procedures that the RF uses to allocate its indirect costs to both sponsored and nonsponsored activities. Rates are negotiated with and approved by the RF's cognizant audit agency, the U.S. Department of Health and Human Services.



KPMG LLP 515 Broadway Albany, NY 12207-2974

Independent Auditors' Report 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

The Board of Directors

The Research Foundation for The State University of New York:

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 financial statements of The Research Foundation for The State University of New York, which comprise the balance sheet as of June 30, 2019, and the related statements of activities and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated October 7, 2019.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered The Research Foundation for The State University of New York'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 Research Foundation for The State University of New York's internal control. Accordingly, we do not express an opinion on the effectiveness of The Research Foundation for The State University of New York'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 Research Foundation for The State University of New York'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 Research Foundation for The State University of New York'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 Research Foundation for The State University of New York's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



October 7, 2019



KPMG LLP 515 Broadway Albany, NY 12207-2974

Independent Auditors' Report on Compliance for Each Major Federal Program; Report on Internal Control Over Compliance; and Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

Board of Directors
The Research Foundation for
The State University of New York:

Report on Compliance for Each Major Federal Program

We have audited The Research Foundation for the State University of New York's (the RF's) compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the RF's major federal programs for the year ended June 30, 2019. The RF's major federal programs are identified in the summary of auditors' 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 RF's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the RF'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 RF's compliance.

Opinion on Each Major Federal Program

In our opinion, the RF 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, 2019.

Report on Internal Control Over Compliance

Management of the RF 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 RF's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each



major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the RF'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 a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

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

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

Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance

We have audited the financial statements of the RF, as of and for the year ended June 30, 2019, and have issued our report thereon dated October 7, 2019, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the 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 financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the 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 financial statements as a whole.



February 5, 2020

THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK

Schedule of Findings and Questioned Costs Year ended June 30, 2019

(1)

Summary of Auditors' Results			
Financial Statements			
Type of auditors' report issued on whether financial statements were prepared in accordance with U.S. generally accepted accounting principles:	Unmodifie	ed	
Internal control over financial reporting:			
 Material weakness(es) identified? 	Y	es <u>X</u>	No
 Significant deficiency(ies) identified not considered to be material weaknesses? 	Y	es <u>X</u>	None reported
Noncompliance material to the financial statements noted?	Y	es <u>X</u>	No
Federal Awards			
Internal control deficiencies over major programs disclosed by the audit:			
Material weakness(es) identified?	Y	es <u>X</u>	No
 Significant deficiency(ies) identified not considered to be material weaknesses? 	Y	es X	None reported
Type of auditors' report issued on compliance for major programs:	Unmodifie	ed	
Any audit findings disclosed that are required to be reported in accordance with 2 CFR?	Y	es <u>X</u>	No
Identification of Major Programs			
Name of federal program or cluster		CFDA	numbers
Research and Development Cluster TRIO Cluster Small Business Development Center USAID Foreign Assistance for Programs Overseas		V 5	arious arious 9.037 8.001
Dollar threshold used to distinguish between Type A and Type B programs:	\$3,000,00	00	
Auditee qualified as low-risk auditee?	X Y	es	No

THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK

Schedule of Findings and Questioned Costs Year ended June 30, 2019

(2)	Findings Relating to the Financial Statements Reported in Accordance with Government Auditing
	Standards

None.

(3) Findings and Questioned Costs Related to Federal Awards

None.