

**ANNUAL REPORT OF THE UNIVERSITY RESEARCH BOARD (URB) AND
THE OFFICE OF RESEARCH AND PROJECT ADMINISTRATION (ORPA)
FISCAL YEAR 2019-2020**

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SECTION I

THIS SECTION FOCUSES ON SPONSORED RESEARCH EXPENDITURES FOR THE FISCAL YEAR 2020.

EXPENDITURES FOR SPONSORED RESEARCH

COMMENTARY AND ANALYSIS

I. EXPENDITURES FOR SPONSORED RESEARCH

BACKGROUND AND OVERVIEW

One of the world's great research institutions, Princeton University seeks to achieve the highest levels of distinction in the discovery and transmission of knowledge and understanding. Conducting cutting-edge research and maintaining an unparalleled commitment to teaching are activities central to the University's mission.

The health of Princeton's research enterprise is vitally important to the University's success. The superlative quality of research at Princeton is reflected in its ability to attract a significant and growing amount of extramural funding, even in the hypercompetitive funding environment of recent years. Such sponsored programs account for about fifteen percent of the University's total operating budget, and sponsored programs represent a significant portion of overall research expenditures at Princeton.

Sponsored research expenditures for Princeton's main campus totaled \$250.2M for FY2020. The Princeton Plasma Physics Laboratory (PPPL), a U.S. Department of Energy national laboratory for plasma physics and nuclear fusion science managed and operated by Princeton, recorded an additional \$119.4M in sponsored research expenditures during the same period.

Princeton has significantly grown the size of its sponsored research portfolio over the last decade (Chart 1). Moreover, reviewing a 10-year history of sponsored research expenditures at Princeton, campus expenditures are up approximately 30% since FY2011 (\$193M in FY2011 to \$250M in FY2020). Over 80% of Princeton's extramural research funding comes from U.S. government sources, through both direct funding and government-funded subawards. The National Science Foundation and the National Institutes of Health continue to be Princeton's biggest sponsors overall, and funding from them represents over 60% of Princeton's federally-sponsored research.

In the latter part of FY2020, the federal government began investing in coronavirus research programs, as well as providing flexibilities under existing awards to account for coronavirus-related delays to research programs. These actions at the federal level helped stabilize and strengthen the Princeton research enterprise during a period of uncertainty.

FY 2020 Statistics

Several tables and charts are provided to illustrate current and historical trends in sponsored research for Princeton's main campus and PPPL. Expenditures are described in actual dollars and have not been adjusted for inflation.

The grand total of FY2020 sponsored research expenditures for the University and PPPL combined was \$369.6M, an increase of 7.8% over the previous fiscal year's grand total of \$342.6M. University main campus expenditures were up almost 5%, totaling \$250.2M, compared to \$238.3M in FY2019 (Chart 1 and Table 1). During the same time period, PPPL's expenditures were up by 14.5%, increasing to \$119.4M from \$104.3M in FY2019.

Table 2 shows 5 year history by Divisions. Expenditures within the Natural Sciences has been increasing dramatically, with \$126.9M in FY2016 increasing to \$168.8M in FY2020, up over 33%. Expenditures in FY2020 were up 6% (from \$158.9M in FY2019). Expenditures were also up in the other Divisions -- 9.2% in Humanities & Social Sciences, 5.2% in Non-Academic departments, and .71% in Engineering & Applied Sciences, compared to FY2019 totals.

Chart 2 shows the breakdown of expenditures, with direct costs ("operating costs") and indirect costs (\$173.9M and \$57.8M, respectively) both up (6.6% and 1.7%, respectively) while equipment expenditures increased 1.1% from the previous year. Student Aid/Training grant expenditures were down slightly .07% from FY2019 (Table 2).

Main Campus

Princeton researchers attract funding from a broad range of external sponsors, though the primary source of funding has historically been the U.S. federal government. The preponderance of government support (including federal and state funding) in Princeton's sponsored programs portfolio continued in FY2020. Government funding comprises over 81% of all sponsored research expenditures at the University (Chart 3).

The five leading government sponsors were U.S. federal agencies: the National Science Foundation (NSF), National Institutes of Health (NIH), Department of Defense agencies (including the Army, Air Force, Navy, DARPA, NSA, DSCA, DTRA, NRO), U.S. Department of Energy (DOE), and National Aeronautics and Space Administration (NASA). These agencies provided, respectively, \$68.9M, \$57.9M, \$30.3M, \$19.1M, and \$15.1M during FY2020 (Table 1 and Chart 3). Chart 4 presents a five-year comparison (FY2016-2020) of government-sponsored expenditures by agency.

Funding from non-government sources, increasingly important to the Princeton research portfolio, comprised the balance of the total research expenditures in FY2020 (Chart 5).

This category includes foundations, industry, and private/other entities (e.g., educational institutions, hospitals, foreign entities, associations), which together represent 18.6% of Princeton's sponsored research expenditures. Funding from these sources was up almost 5.6% from the previous year (\$44.2/FY2019 and \$46.7M/FY2020) but compared to FY2016, it is up over 22% (\$38.2M). Corporate-sponsored expenditures showed the largest increase--up almost 36%--when compared to FY2016 expenditures (\$10.2M/FY2016, \$13.8M/FY2020) (Table 1).

Princeton Plasma Physics Laboratory (PPPL)

Chart 6 shows the history of PPPL's expenditures over the past 10 years. In this publication, FY2020 refers to the fiscal year as July 1 – June 30, which is consistent with the dates used for campus sponsored research expenditures. In other publications, PPPL budget authorization or expenditures may be reported using the U.S. DOE (federal) fiscal year of October 1 – September 30.

PPPL expenditures, which make up approximately 32% of total sponsored research expenditures in Princeton's research enterprise, were up over 14% with \$119.4M in FY2020 compared to \$104.3M in FY2019.

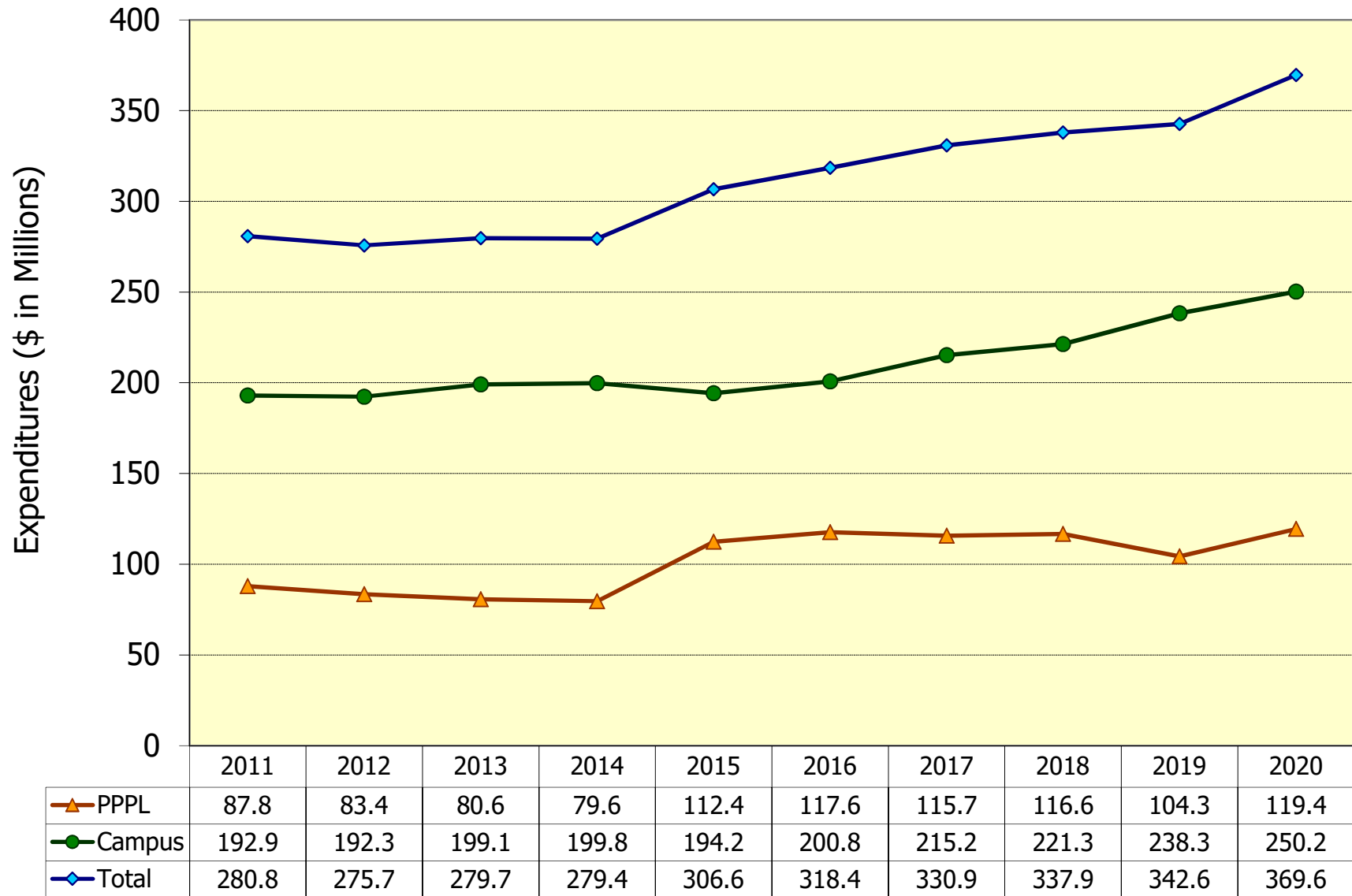
Notes about FY 2020 Annual Report

- 1) All awards are included in the count of awards. Prior to FY2019, only those awards that had expenditures of +/- \$1,000 and more were counted as an award.
- 2) Charts and Tables only show expenditures from Prime/Flow through sources, rather than direct sources.
- 3) The expenditures section shows expenditures by Lead Investigator's Home Department.
- 4) As of FY2019, the large award inventory by each department is omitted. This listing can be obtained in the Information Warehouse: University Financials - PRIME > Prime Financial Information Warehouse > Sponsored Research > Award Inventory

We also recommend using the Tableau site: <https://tableau.princeton.edu/> which has expenditure data that is included in this report, along with Proposal and Award information, which also represent key metrics in the Princeton research enterprise. Note that the Tableau site has Chartfield security.

Chart 1

HISTORY OF SPONSORED RESEARCH EXPENDITURES



SECTION I

TABLE 1

5 YEAR HISTORY BY PRIME SPONSOR*
SPONSORED PROJECT EXPENDITURES (\$1,000)

Sponsors, Campus					
	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
NSF	57,197	58,266	61,492	64,442	68,931
NIH	45,895	50,939	52,549	58,407	57,974
DOD	26,103	30,086	26,663	29,077	30,324
DOE	14,029	13,698	12,316	14,676	19,178
NASA	6,960	10,156	15,850	15,165	15,145
DOC (NOAA & NIST)	8,601	8,619	7,713	6,063	6,265
NI (IARPA & CIA)	1,091	3,210	2,769	3,351	2,831
Other (BBG, DOI, DOT, EPA, DoED, Misc)	2,090	866	890	2,135	2,438
NEH and NEA	8	188	62	136	173
NJ	584	899	710	704	300
TOTAL GOVERNMENT	162,559	176,927	181,015	194,158	203,559
TOTAL FOUNDATION	22,456	24,138	27,363	28,657	30,332
TOTAL INDUSTRIAL	10,197	9,973	10,653	12,884	13,825
TOTAL PRIVATE/OTHER	5,564	4,170	2,255	2,654	2,504
TOTAL NON-GOVERNMENT	38,217	38,280	40,271	44,195	46,661
TOTAL, CAMPUS	\$200,775	\$215,208	\$221,286	\$238,353	\$250,219
Sponsors, Plasma Physics Lab***					
DOE	116,301	115,727	116,611	104,300	119,382
DoD-AF	103	NA	NA	NA	NA
NSF	315	NA	NA	NA	NA
TOTAL GOVERNMENT	116,719	115,727	116,611	104,300	119,382
TOTAL INDUSTRIAL	570	NA	NA	NA	NA
TOTAL PRIVATE/OTHER	326	NA	NA	NA	NA
TOTAL, PPPL	117,615	115,727	116,611	104,300	119,382
GRAND TOTAL, CAMPUS & PPPL	\$318,391	\$330,934	\$337,897	\$342,653	\$369,601

* Shows Government funded subawards from industry & private organizations categorized by their prime source of funds.

** Awards from National Intelligence included with Other Government in previous years.

***To be consistent with Finance Office, PPPL is now counted as one award with DOE.

SECTION I

TABLE 2

5 YEAR HISTORY BY DIVISION

SPONSORED AWARD EXPENDITURES (\$1,000)

<u>Breakdown by Division*</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Natural Sciences	126,924	137,393	149,130	158,980	168,819
Engineering & Applied Sciences	57,730	63,537	59,714	59,224	59,646
Humanities & Social Sciences	15,779	13,679	11,915	13,967	15,254
Non-Academic Departments	342	598	528	6,181	6,500
Sub-Total Campus	200,775	215,208	221,286	238,353	250,219
Plasma Physics Laboratory	<u>117,615</u>	<u>115,727</u>	<u>116,611</u>	<u>104,300</u>	<u>119,382</u>
GRAND TOTAL	\$318,391	\$330,934	\$337,897	\$342,652	\$369,601

NUMBER OF SPONSORED AWARDS

<u>Breakdown by Division*</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Natural Sciences	788	825	847	906	950
Engineering & Applied Sciences	486	474	463	506	480
Humanities & Social Sciences	142	124	133	137	133
Non-Academic Departments	16	19	15	27	28
Sub-Total Campus	1,432	1,442	1,458	1,576	1,591
Plasma Physics Laboratory**	<u>16</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
GRAND TOTAL	1,448	1,443	\$1,459	\$1,577	\$1,592

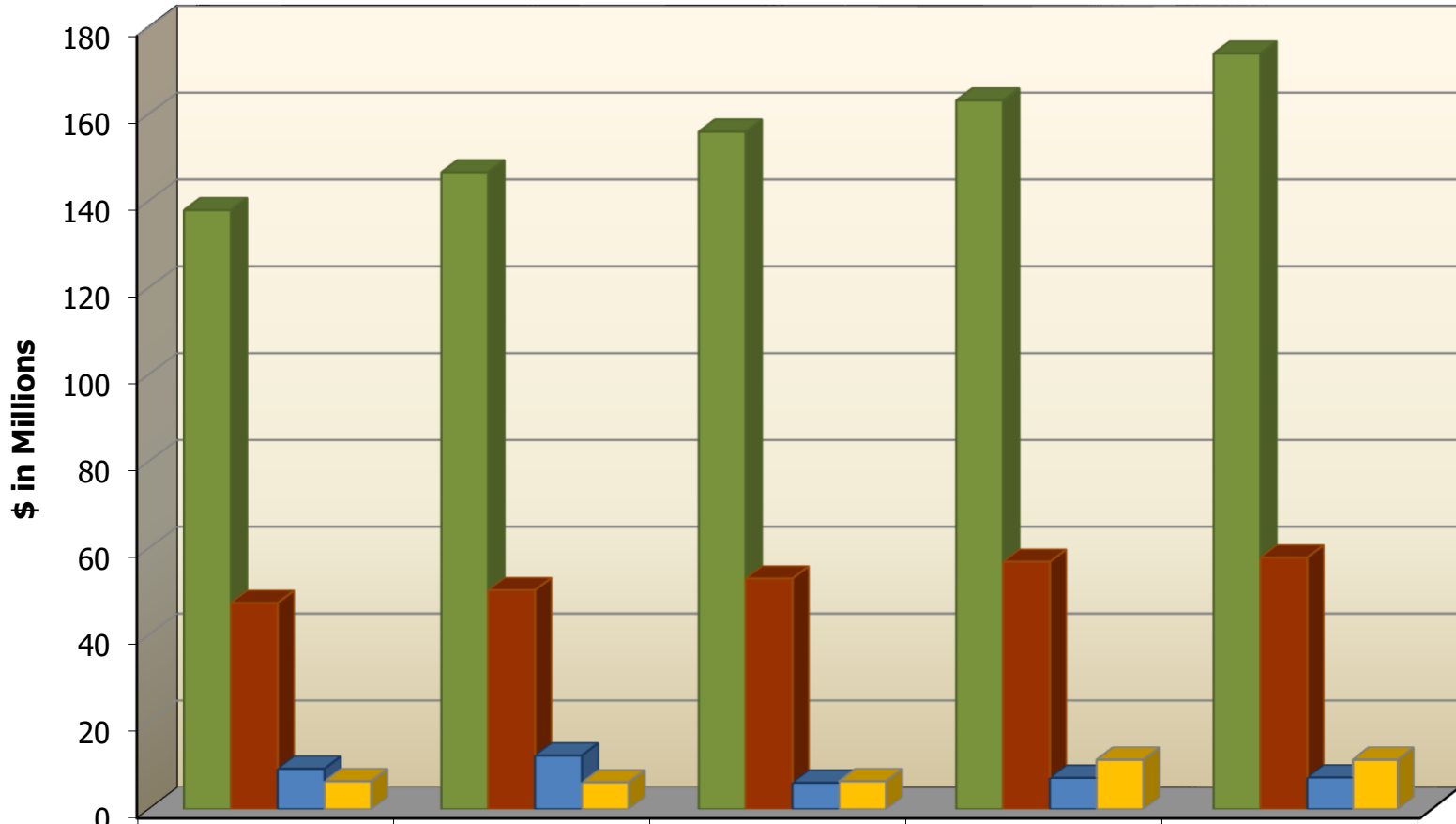
AVERAGE EXPENDITURES PER AWARD (\$1,000)

<u>Breakdown by Division*</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Natural Sciences	161	167	176	175	178
Engineering & Applied Sciences	119	134	129	117	124
Humanities & Social Sciences	111	110	90	102	115
Non-Academic Departments	21	31	35	229	232
All	\$140	\$149	\$152	\$151	\$157

* In FY2016, Divisions changed to Dean of Faculty definitions.

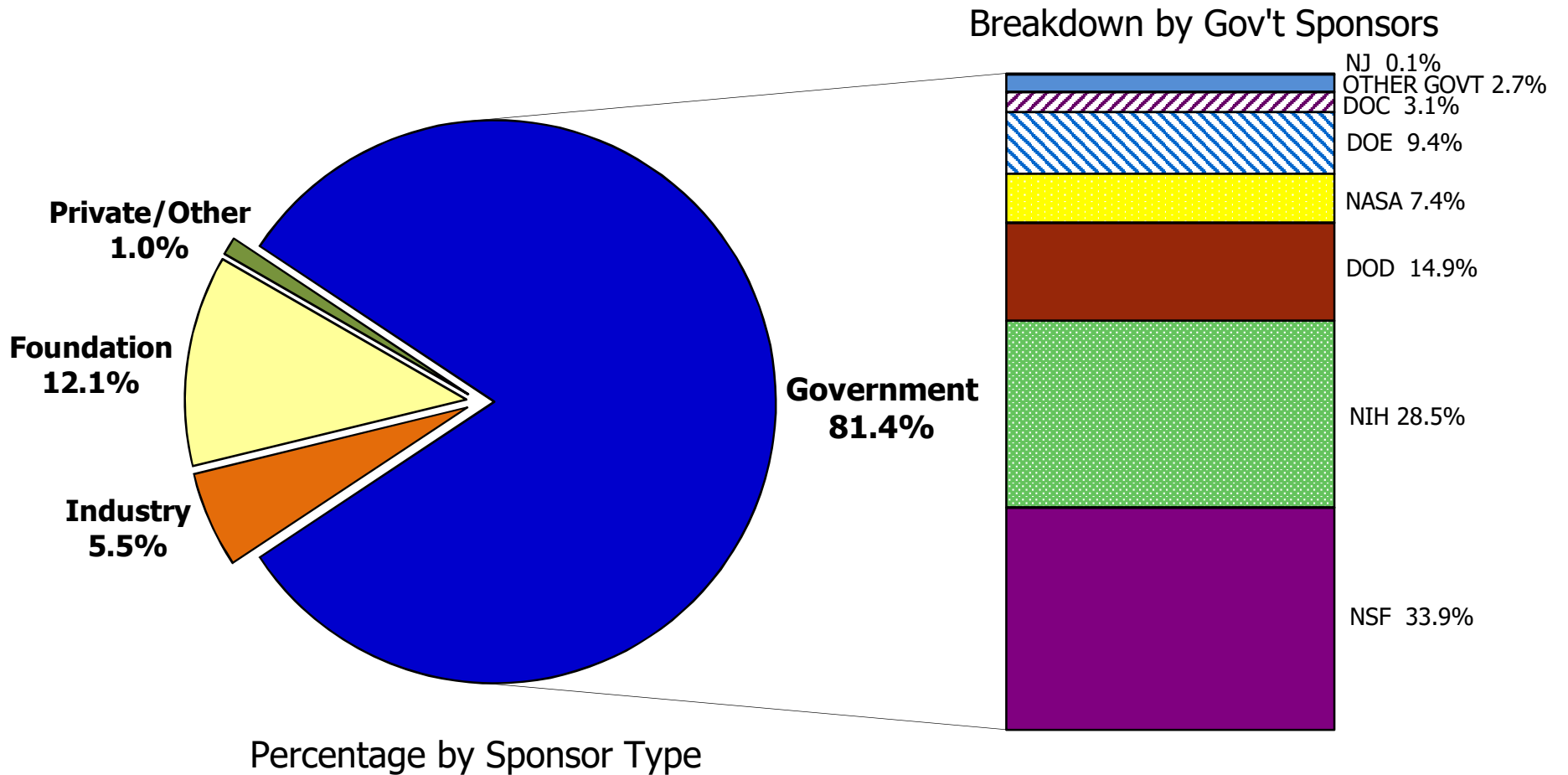
**To be consistent with Finance Office, PPPL is now counted as one award with DOE.

Chart 2
Breakdown of Expenditures
 (Excludes Plasma Physics Lab)



	2016	2017	2018	2019	2020
■ Direct Costs	137,796,889	146,525,454	155,878,341	163,072,754	173,870,236
■ Indirect Costs	47,334,327	50,269,478	52,950,261	56,802,188	57,797,080
■ Equipment/Facilities	9,254,144	12,282,328	6,053,852	7,167,643	7,250,108
■ Training Grants	6,390,044	6,130,252	6,403,919	11,310,112	11,301,857

Chart 3
Funding % By Prime* Sponsor - FY 2019-2020
 (Excludes PPPL)



*Shows Federally funded subawards from industry & private organizations categorized by their prime source of funds.

Chart 4
Comparison of Prime Government Sponsored Expenditures
 5 Year History
 (Excludes Plasma Physics Lab)

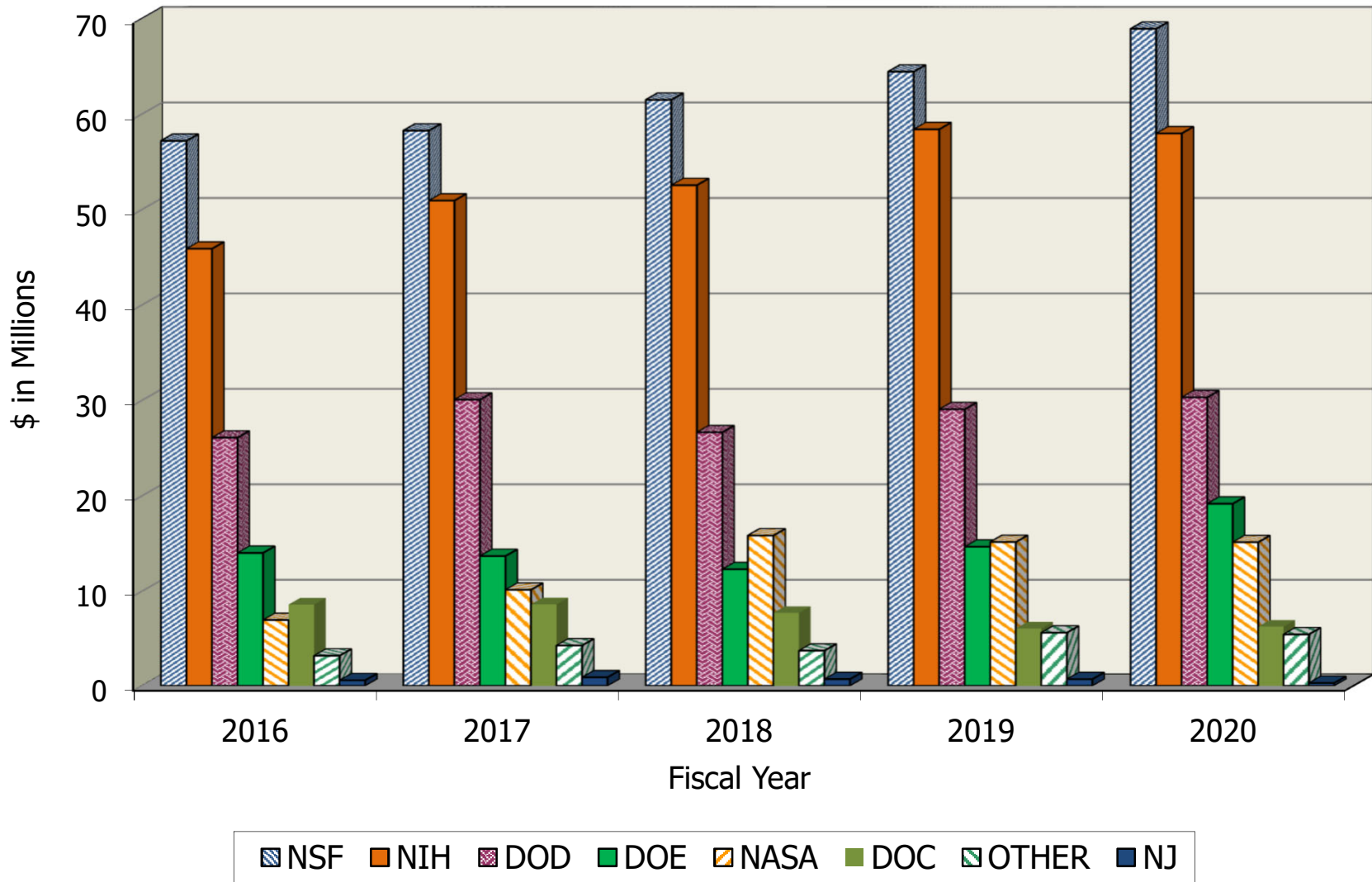


Chart 5
Comparison of Non-Government Sponsored Expenditures
 (with Funds moved to Prime Sponsor)
 (Excludes Plasma Physics Lab)

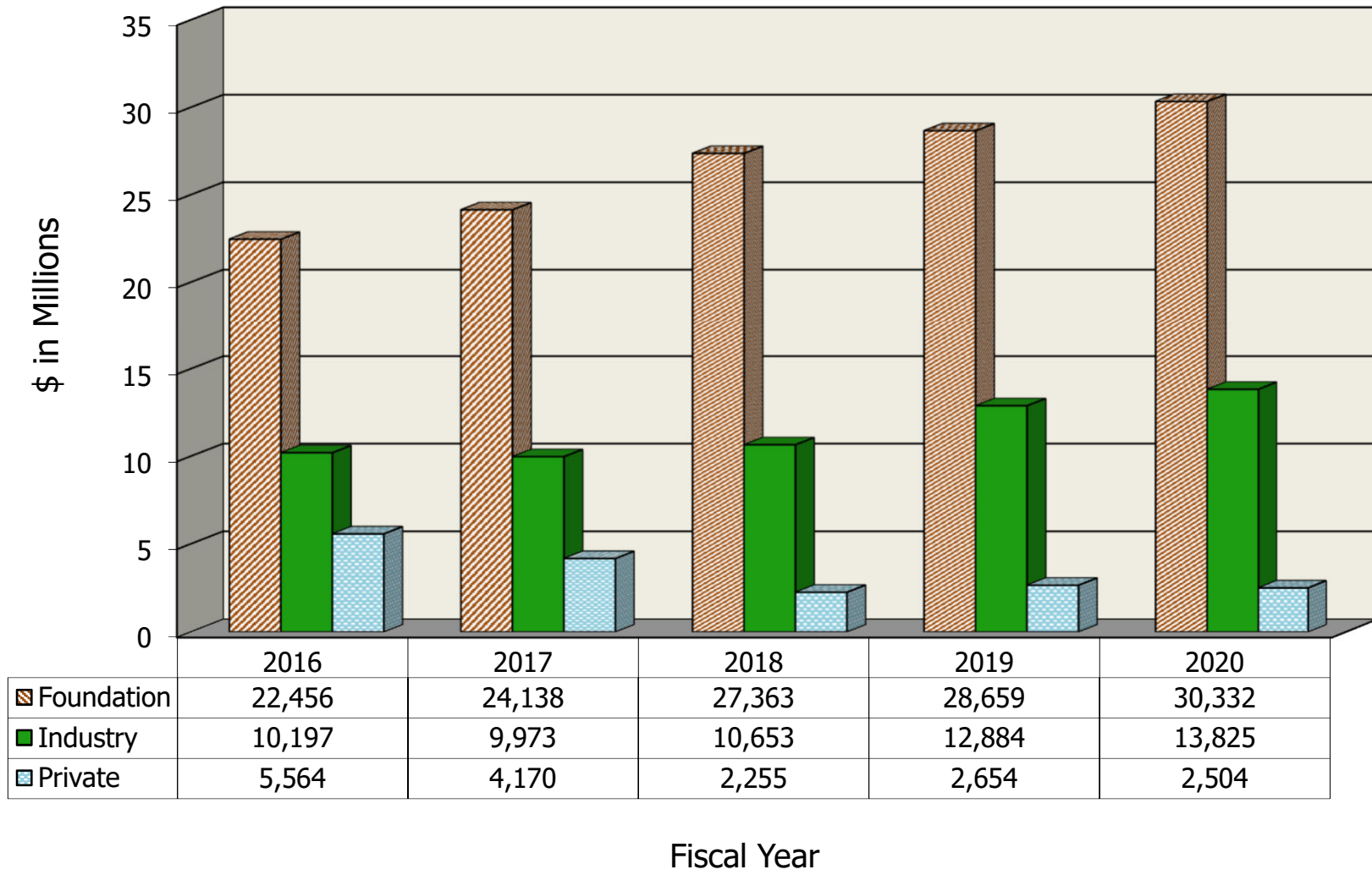
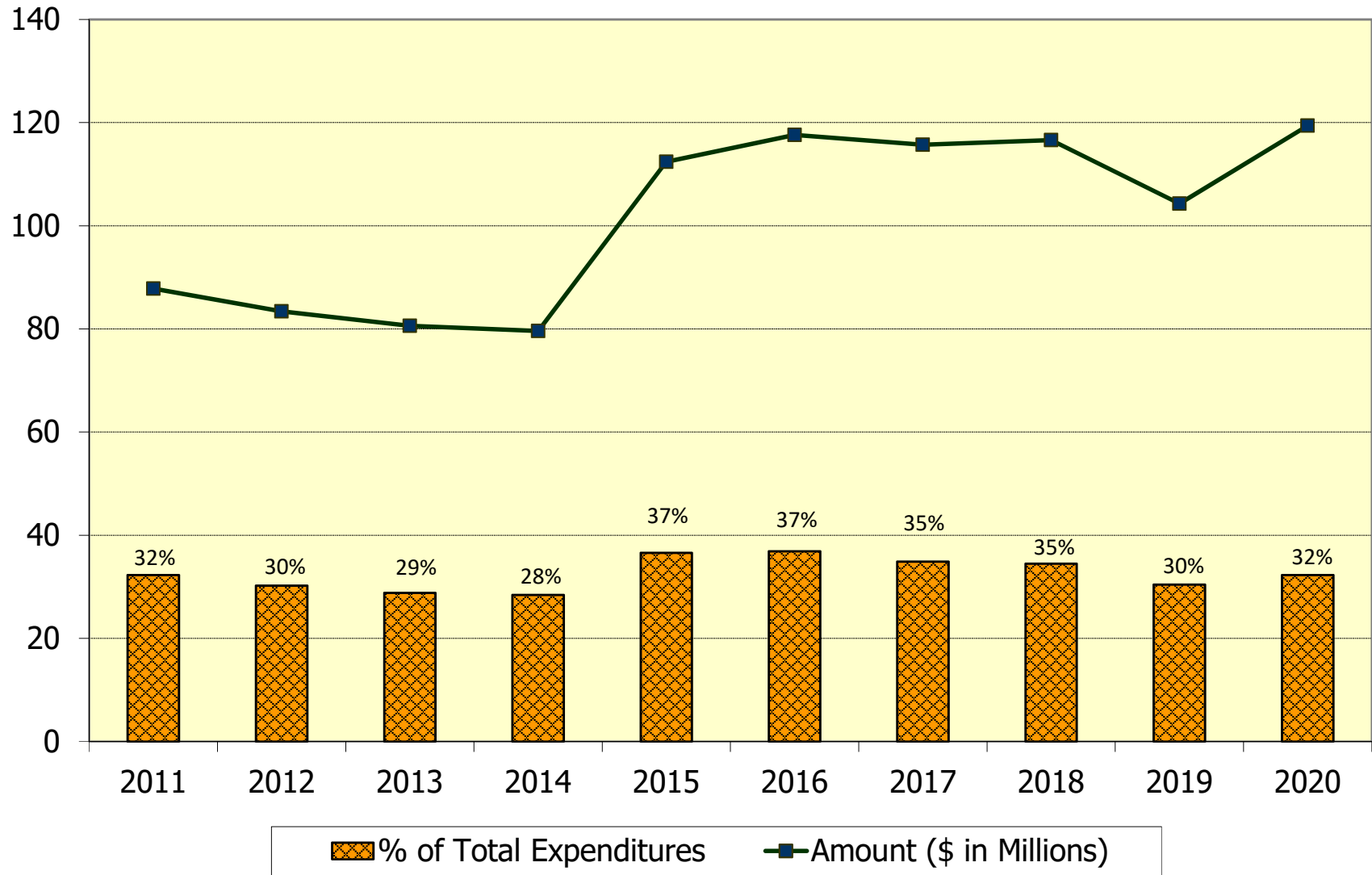


Chart 6

PLASMA PHYSICS LABORATORY

Amount and Percentage of Total Expenditures



SECTION II

THIS SECTION PRESENTS THE SPONSORED PROJECT ACTIVITIES OF THE YEAR SUMMARIZED IN STATISTICAL DATA, CHARTS AND TABLES AS COMPILED BY THE OFFICE OF RESEARCH AND PROJECT AND ADMINISTRATION

SECTION II
TABLE 3

SUMMARY OF SPONSORED EXPENDITURES BY DEPARTMENT OR PROGRAM
July 1, 2019 - June 30, 2020

DEPARTMENT/PROGRAM	# of Awards*	Direct Costs (Operating)	Subaward (Operating)	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NATURAL SCIENCES	950	\$88,916,877	\$30,883,687	\$5,009,118	\$4,883,965	\$39,125,687	\$168,819,334
Applied & Computational Math (PACM)	14	1,140,487	385,588	55,461	0	467,873	\$2,049,408
Astrophysical Sciences	134	8,864,211	5,572,339	440,706	580,130	4,432,212	\$19,889,598
Atmospheric & Oceanic Sciences	23	5,498,950	211,000	37,000	0	1,653,630	\$7,400,580
Center for Statistics and Machine Learning	1	16,518	0	0	481,443	0	\$497,960
Center for Theoretical Sciences	1	21,119	0	57,917	0	7,390	\$86,425
Chemistry	131	10,597,895	1,861,134	571,527	439,815	4,295,728	\$17,766,099
Ecology & Evolutionary Biology	37	1,724,282	6,074	164,838	31,470	590,144	\$2,516,808
Geosciences	63	2,634,612	190,326	93,626	62,913	1,280,924	\$4,262,401
Lewis-Siegler Institute	85	8,187,884	274,029	929,366	243,579	4,362,978	\$13,997,835
Mathematics	62	3,599,339	0	160,054	0	1,386,022	\$5,145,414
Molecular Biology	142	11,827,985	674,809	1,510,684	463,392	5,935,082	\$20,411,952
Physics	88	13,662,324	11,639,610	56,072	2,082,452	4,673,506	\$32,113,964
High Meadows Envin Institute (HME)	23	3,031,018	4,216,582	55,598	204,648	1,189,374	\$8,697,220
Princeton Inst for Comput'I Sci & Eng (PICSciE)	8	635,518	3,927,216	14,850	0	289,934	\$4,867,517
Princeton Neuroscience Institute (PNI)	112	16,470,134	1,476,873	767,381	294,124	8,109,550	\$27,118,062
Psychology	26	1,004,603	448,108	94,037	0	451,342	\$1,998,089
ENGINEERING & APPLIED SCIENCES	480	35,213,370	5,072,469	485,759	2,283,373	16,590,686	\$59,645,657
Andlinger Center	39	4,211,058	0	78,158	126,975	2,085,149	\$6,501,341
Center for Information Technology Policy	3	71,733	0	24,000	0	19,147	\$114,880
Chemical & Biological Engineering	53	3,978,039	278,812	205,687	294,913	1,631,122	\$6,388,572
Civil & Environmental Engineering	34	1,764,336	32,314	36,153	18,335	832,834	\$2,683,971
Computer Science	90	6,857,506	473,689	(158)	102,813	2,927,684	\$10,361,535
Electrical Engineering	91	6,177,123	1,625,284	(150)	804,961	3,037,376	\$11,644,593
Mechanical & Aerospace Engineering	82	4,305,946	424,923	51,927	153,421	2,258,316	\$7,194,533
Operations Research & Financial Engin.	26	1,718,830	138,735	18,642	0	934,285	\$2,810,491
PRISM	62	6,128,799	2,098,713	71,501	781,956	2,864,774	\$11,945,742
HUMANITIES & SOCIAL SCIENCES	133	11,220,934	1,816,124	75,869	82,770	2,058,206	\$15,253,902
Anthropology	4	88,089	0	0	1,240	23,621	\$112,949
Architecture	1	379,281	0	11,670	0	0	\$390,951

TABLE 3 (CONT.)

DEPARTMENT/PROGRAM	# of Awards*	Direct Costs (Operating)	Subaward (Operating)	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
Art & Archaeology	1	5,942	0	0	0	0	\$5,942
Center for Study of Religion	1	(3,181)	0	0	0	0	-\$3,181
Comparative Literature*	1	0	0	0	0	0	\$0
East Asian Program	1	3,615	0	3,500	0	712	\$7,827
Economics	14	469,695	0	0	0	238,793	\$708,487
History	3	17,760	0	0	0	0	\$17,760
Industrial Relations Section	1	127,980	0	19,200	0	56,814	\$203,993
Jefferson Papers	4	243,038	8,491	0	0	28,333	\$279,862
Music	1	27,243	0	0	0	16,891	\$44,134
Near Eastern Studies Program	1	0	0	0	0	(1,805)	-\$1,805
Politics	16	1,090,876	353,940	0	80,406	149,547	\$1,674,769
Princeton Inst. for Int'l & Regional Studies (PI)	2	22,000	0	6,700	0	1,154	\$29,854
Sociology	15	231,336	0	20,693	0	106,315	\$358,343
School of Public & Int'l Affairs	41	6,095,456	500,460	13,907	0	638,554	\$7,248,376
Population Research	25	2,419,616	953,233	200	1,124	798,951	\$4,173,123
Survey Research Center	1	2,189	0	0	0	328	\$2,517
NON-ACADEMIC DEPARTMENTS	28	\$746,775	\$0	\$5,731,111	\$0	\$22,501	\$6,500,387
Art Museum	10	454,214	0	0	0	0	\$454,214
Dean of the College / McGraw Center	2	2,561	0	3,150	0	174	\$5,884
Dean of Undergraduate Students	1	8,000	0	0	0	0	\$8,000
Center for Human Values*	0	120	0	0	0	0	\$120
Graduate School Fellowships	10	0	0	5,727,961	0	0	\$5,727,961
Health Services	2	88,195	0	0	0	22,327	\$110,522
Library	2	71,630	0	0	0	0	\$71,630
Office of Religious Life	1	122,056	0	0	0	0	\$122,056
SUBTOTAL MAIN CAMPUS	1,591	\$136,097,956	\$37,772,280	\$11,301,857	\$7,250,108	\$57,797,080	\$250,219,281
Plasma Physics Laboratory**	1	\$117,911,250	\$956	(\$246,245)	\$0	\$1,715,539	\$119,381,500
GRAND TOTAL	1,592	\$254,009,206	\$37,773,236	\$11,055,611	\$7,250,108	\$59,512,619	\$369,600,781

* Contracts and/or agreements that are divided into several ORPA Projects are considered one Award.

Awards that have multiple Projects in different Departments are counted in Lead Award Department, but expenditures are added to Project Dept.

**To be consistent with Finance Office, PPPL is now counted as one award. Expenditures reported by PPPL are different due to their Fiscal Year.

SECTION II
TABLE 4
5 Year History By Department or Program

DEPARTMENT/PROGRAM	FY2016		FY2017		FY2018		FY2019		FY2020	
	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total
NATURAL SCIENCES	788	\$126,923,730	825	\$137,392,581	847	\$149,129,933	906	\$158,980,214	950	\$168,819,334
Applied & Computational Math (PACM)	19	\$2,825,130	19	\$2,454,807	17	\$2,312,094	17	\$1,868,830	14	\$2,049,408
Astrophysical Sciences	87	\$8,955,163	109	\$12,727,340	115	\$18,925,360	139	\$19,015,451	134	\$19,889,598
Atmospheric & Oceanic Sciences	28	\$9,429,688	22	\$9,376,869	22	\$9,394,403	24	\$7,312,203	23	\$7,400,580
Center for Statistics and Machine Learning	1	\$65,113	1	\$69,006	1	\$76,726	1	\$14,511	1	\$497,960
Center for Theoretical Science	0	\$0	0	\$0	0	\$0	0	\$0	1	\$86,425
Chemistry	97	\$13,942,982	86	\$14,014,066	98	\$15,040,079	114	\$15,646,433	131	\$17,766,099
Ecology & Evolutionary Biology	48	\$3,553,044	50	\$3,188,206	46	\$3,089,610	48	\$3,155,941	37	\$2,516,808
Geosciences	57	\$4,100,129	48	\$3,484,261	56	\$4,419,765	56	\$3,384,835	63	\$4,262,401
Lewis-Siegler Institute	65	\$10,459,947	79	\$12,699,584	80	\$13,228,462	80	\$15,366,267	85	\$13,997,835
Mathematics	52	\$4,278,267	45	\$3,777,892	54	\$4,260,820	61	\$4,782,037	62	\$5,145,414
Molecular Biology	134	\$18,916,904	141	\$20,094,385	132	\$20,473,786	132	\$21,588,136	142	\$20,411,952
Physics	77	\$27,586,690	88	\$26,434,778	86	\$25,937,150	80	\$28,888,259	88	\$32,113,964
High Meadows Env Inst (HME - formerly PEI)	18	\$7,405,892	17	\$7,372,925	18	\$7,328,597	20	\$8,105,587	23	\$8,697,220
Princeton Inst for Comput'l Sci & Eng (PICSciE)	5	\$464,041	5	\$415,071	2	\$95,401	4	\$1,898,305	8	\$4,867,517
Princeton Neuroscience Institute (PNI)	84	\$13,649,663	96	\$18,466,618	102	\$22,795,010	110	\$26,728,386	112	\$27,118,062
Psychology	16	\$1,291,077	19	\$2,816,773	18	\$1,752,669	20	\$1,225,034	26	\$1,998,089
ENGINEERING & APPLIED SCIENCES	486	\$57,730,498	474	\$63,537,425	463	\$59,714,070	506	\$59,224,246	480	\$59,645,657
Andlinger Center	20	\$2,183,622	26	\$3,453,752	28	\$4,394,373	37	\$5,669,478	39	\$6,501,341
Center for Information Technology Policy	0	\$0	1	\$5,000	2	\$182,521	3	\$291,104	3	\$114,880
Chemical & Biological Engineering	70	\$7,275,308	74	\$8,122,929	61	\$6,608,773	59	\$6,500,805	53	\$6,388,572
Civil & Environmental Engineering	79	\$6,058,725	62	\$5,638,899	50	\$4,394,808	40	\$3,289,239	34	\$2,683,971
Computer Science	71	\$9,081,399	67	\$10,053,934	80	\$10,081,997	101	\$10,621,513	90	\$10,361,535
Electrical Engineering	81	\$8,194,279	83	\$9,439,139	81	\$9,185,070	93	\$10,593,946	91	\$11,644,593
Mechanical & Aerospace Engineering	78	\$9,254,314	80	\$8,169,218	77	\$8,439,346	84	\$7,717,863	82	\$7,194,533
Operations Research & Financial Engin.	29	\$2,987,218	29	\$3,807,877	31	\$3,044,602	31	\$2,847,629	26	\$2,810,491
PRISM	58	\$12,695,633	52	\$14,846,676	53	\$13,382,582	58	\$11,692,668	62	\$11,945,742

TABLE 4 (CONT.)

DEPARTMENT/PROGRAM	FY2016		FY2017		FY2018		FY2019		FY2020	
	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total
HUMANITIES & SOCIAL SCIENCES	142	\$15,779,203	124	\$13,679,321	133	\$11,914,865	137	\$13,967,075	133	\$15,253,902
Anthropology	2	\$14,248	2	\$19,670	2	\$24,093	4	\$23,611	4	\$112,949
Architecture	1	\$731,948	1	\$543,404	3	\$463,791	1	\$509,712	1	\$390,951
Art & Archaeology	0	\$0	0	\$0	1	\$50,000	2	\$17,831	1	\$5,942
Center for Study of Religion	2	\$290,081	3	\$282,928	2	\$254,564	3	\$67,357	1	-\$3,181
Classics	1	\$49,500	0	(\$2)	1	\$4,873	1	\$388	0	\$0
Comparative Literature*	1	\$9,694	0	(\$22)	0	\$0	0	\$0	1	\$0
East Asian Studies	1	\$225,318	1	\$118,126	1	\$36,451	0	\$0	0	\$0
East Asian Program	1	\$16,560	1	\$18,191	1	\$17,864	1	\$14,498	1	\$7,827
Economics	18	\$737,695	16	\$571,952	11	\$479,643	12	\$438,399	14	\$708,487
English	2	\$25,628	1	\$207,154	1	\$26,617	0	\$0	0	\$0
Gender and Sexuality Studies	1	\$44,351	1	(\$13,309)	2	\$118,547	2	\$14,508	0	\$0
History	6	\$179,529	6	\$281,913	5	\$167,472	3	\$18,528	3	\$17,760
History of Science	0	\$0	1	\$5,398	1	\$6,107	1	\$648	0	\$0
Industrial Relations Section	0	\$210	1	\$78,508	0	\$0	0	\$0	1	\$203,993
Jefferson Papers	0	\$0	0	\$0	0	\$0	2	\$218,885	4	\$279,862
Peter B. Lewis Center - Arts	1	\$26,690	0	\$333	0	-\$285	0	\$0	0	\$0
Music	0	\$0	0	\$0	1	\$20,500	0	\$0	1	\$44,134
Near Eastern Studies	1	\$8,259	1	\$140,835	2	\$69,975	0	\$0	0	\$0
Near Eastern Studies Program	1	\$175,408	1	\$145,823	1	\$303,557	1	\$24,600	1	-\$1,805
Philosophy	3	\$105,267	3	\$134,222	2	\$75,759	0	\$0	0	\$0
Politics	16	\$628,607	12	\$379,565	13	\$623,668	17	\$1,553,891	16	\$1,674,769
Princeton Inst. for Int'l & Regional Studies (PIIRS)	2	\$170,764	2	\$18,211	2	\$15,450	1	\$195,537	2	\$29,854
Sociology	9	\$300,826	5	\$355,673	9	\$247,245	13	\$224,614	15	\$358,343
School of Public & Int'l Affairs (formerly WWS)	50	\$6,641,719	48	\$6,492,407	53	\$6,075,493	50	\$6,616,228	41	\$7,248,376
Population Research (SPI)	22	\$5,260,592	16	\$3,798,535	18	\$2,688,018	22	\$4,027,814	25	\$4,173,123
Survey Research Center (SPI)	1	\$136,309	2	\$99,805	1	\$145,464	1	\$27	1	\$2,517
NON-ACADEMIC DEPARTMENTS	16	\$341,973	19	\$598,185	15	\$527,504	27	\$6,181,162	28	\$6,500,387
Art Museum	5	\$106,567	8	\$246,657	7	\$355,905	10	\$574,800	10	\$454,214
Dean of the College	0	(\$3)	0	\$0	0	\$0	0	\$0	1	\$2,280
Dean of the College (McGraw Center)	1	(\$257,446)	0	\$0	0	\$0	0	\$0	1	\$3,604
Dean of Undergraduate Students	0	\$0	0	\$0	0	\$0	0	\$0	1	\$8,000
Graduate School Fellowships**	NA	NA	NA	NA	NA	NA	13	\$5,408,152	10	\$5,727,961

TABLE 4 (CONT.)

DEPARTMENT/PROGRAM	FY2016		FY2017		FY2018		FY2019		FY2020	
	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total
Graduate School	1	\$3,476	1	\$28,015	1	\$7,064	0	\$0	0	\$0
Health Services	3	\$229,785	4	\$236,411	2	\$85,174	2	\$110,169	2	\$110,522
Library	2	\$155,368	2	\$41,418	2	\$28,909	1	\$8,513	2	\$71,630
Pace Center	0	(\$7)	0	\$0	0	\$92	0	\$0	0	\$0
Office of Religious Life	1	\$3,240	0	\$0	0	\$0	1	\$79,530	1	\$122,056
Teacher Preparation	3	\$100,992	3	\$42,693	1	\$17,349	0	\$0	0	\$0
University Center for Human Values	0	\$0	1	\$2,990	2	\$33,013	0	\$0	0	\$120
SUBTOTAL MAIN CAMPUS	1,432	\$200,775,404	1,442	\$215,207,512	1,458	\$221,286,373	1,576	\$238,352,698	1,591	\$250,219,281
Plasma Physics Laboratory***	16	\$117,615,285	1	\$115,726,963	1	\$116,610,657	1	\$104,299,522	1	\$119,381,500
GRAND TOTAL	1,448	\$318,390,689	1,443	\$330,934,475	1,459	\$337,897,030	1,577	\$342,652,219	1,592	\$369,600,781

* Before FY2019, awards counted if expenditures were \$1,000 or more. Contracts and/or agreements that are divided into several ORPA Projects are considered one Award. Awards that have multiple Projects in different Departments are counted in Lead Award Department but expenditures are added to Project Dept.

** Starting FY2019, GS Fellowships been added.

***Starting FY2017, to be consistent with Finance Office, PPPL is counted as one award. Expenditures reported by PPPL are different due to their Fiscal Year.

SECTION II

TABLE 5

SUMMARY OF SPONSORED EXPENDITURES BY PRIME* SPONSOR

July 1, 2019 - June 30, 2020

GOVERNMENT AGENCY OR DEPARTMENT	# of Awards**	Direct Costs (Operating)	Subaward (Operating)	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NSF	437	29,177,885	19,963,351	4,848,888	1,008,863	13,931,655	68,930,642
NIH	262	31,903,048	3,815,890	3,249,910	937,613	18,067,977	57,974,438
DOE	107	10,723,525	1,506,546	131,282	1,266,107	5,550,353	19,177,814
NASA	114	5,869,944	5,349,553	569,589	68,129	3,287,787	15,145,002
DOD-DARPA	32	4,549,342	2,124,958	(158)	91,724	2,333,126	9,098,992
DOD-ARMY	38	3,428,840	1,476,312	152,068	706,046	1,758,559	7,521,825
DOC - NOAA	12	4,876,348	68,090	0	0	1,320,732	6,265,170
DOD-NAVY	38	2,866,065	698,331	103,740	510,922	1,628,685	5,807,743
DOD-AF	40	2,601,957	783,801	107,390	209,467	1,414,628	5,117,243
NI (IARPA)	4	1,824,877	0	0	70,976	935,446	2,831,300
OTHER DOD	9	881,384	183,476	792,507	235,682	528,765	2,621,814
STATE DEPT	4	607,612	419,549	0	66,375	75,636	1,169,173
STATE OF NEW JERSEY	21	203,862	0	96,752	0	(1,010)	299,604
USDA	3	148,175	24,224	207	43,526	54,852	270,983
IMLS	2	263,558	0	0	0	0	263,558
NHPRC	2	134,063	8,491	0	0	0	142,554
DOD-DSCA	1	9,059	0	0	0	5,616	14,675
DOD-DTRA	2	27,983	97,924	0	0	15,473	141,380
NEH	2	108,974	0	0	0	28,333	137,308
OTHER GOVT.***	15	356,524	29,158	101,856	0	139,880	627,418
TOTAL GOVERNMENT	1,145	\$100,563,026	\$36,549,654	\$10,154,031	\$5,215,431	\$51,076,494	\$203,558,635
FOUNDATION	284	\$24,211,835	\$886,914	\$861,013	\$1,757,701	\$2,614,262	\$30,331,726
INDUSTRIAL	99	\$9,467,555	\$203,490	\$28,799	\$270,176	\$3,854,676	\$13,824,696
PRIVATE/OTHER	63	\$1,855,540	\$132,222	\$258,014	6,800	\$251,648	\$2,504,224
TOTAL MAIN CAMPUS	1,591	\$136,097,956	\$37,772,280	\$11,301,857	\$7,250,108	\$57,797,080	\$250,219,281
PPPL DOE PRIME CONTRACT	1	\$117,911,250	\$956	(\$246,245)	\$0	\$1,715,539	\$119,381,500
TOTAL CAMPUS / PPPL	1,592	\$254,009,206	\$37,773,236	\$11,055,611	\$7,250,108	\$59,512,619	\$369,600,781

* This table categorizes federally and NJ state funded subawards from industry and private organizations by their prime source of funds.

**Contracts/agreements that are divided into several ORPA Projects are considered one Award.

***Inc: BBG, DoED, DOI, DOT, FDA, DHS, GSA, NEA, USGS, & USIP

SECTION II

TABLE 6 - Section 1

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2019 - June 30, 2020)

DEPARTMENT / PROGRAM	No. of Awards*	GRAND TOTAL EXPENDITURES	NIH		NSF		DOE		DoD AIR FORCE	
NATURAL SCIENCES	950	168,819	226	52,093	222	45,582	65	12,761	11	1,860
Applied & Computational Math	14	2,049			6	843			2	302
Astrophysical Sciences	134	19,890			21	4,321	21	1,948	3	864
Atmospheric & Oceanic Sciences	23	7,401			9	554	1	80		
Center for Statistics and Machine Learning	1	498			1	498				
Center for Theoretical Sciences	1	86								
Chemistry	131	17,766	35	5,530	17	1,268	16	4,750	3	227
Ecology & Evolutionary Biology	37	2,517	4	661	14	903				
Geosciences	63	4,262			37	2,330	5	295		
Lewis-Siegler Institute	85	13,998	46	10,367	4	802	3	1,030		
Mathematics	62	5,145			44	3,060			2	425
Molecular Biology	142	20,412	72	15,502	5	683	1	163		
Physics	88	32,114	3	257	31	18,441	15	4,466	1	42
High Meadows Environmental Institute (HME)	23	8,697			9	5,661	2	3		
Princeton Inst for Computat'l Sci & Engin (PICSciE)	8	4,868			6	4,837	1	26		
Princeton Neuroscience Institute (PNI)	112	27,118	60	19,018	7	658				
Psychology	26	1,998	6	759	11	723				
ENGINEERING & APPLIED SCIENCES	480	59,646	27	3,881	171	17,178	41	6,302	28	3,149
Andlinger Ctr for Energy & Environment	39	6,501			9	861	16	2,435	2	284
Center for Information Technology Policy	3	115								
Chemical & Biological Engineering	53	6,389	14	2,335	8	528	4	890	2	132
Civil & Environ. Engineering	34	2,684			13	1,084	3	273		
Computer Science	90	10,362	8	783	52	5,561	1	14	1	77
Electrical Engineering	91	11,645			36	2,625	2	585	8	1,186
Mechanical & Aerospace Engineering	82	7,195	2	280	21	1,482	8	822	8	416
Oper. Res. & Financial Engineering	26	2,810	1	245	11	804			2	511
PRISM	62	11,946	2	240	21	4,232	7	1,283	5	544
HUMANITIES & SOCIAL SCIENCES	133	15,254	9	2,000	42	1,772	0	0	0	0
Anthropology	4	113			4	113				
Architecture School	1	391								
Art & Archaeology	1	6								
Center for the Study of Religion	1	(3)								
Comparative Literature	1									
East Asian Studies Program	1	8								
Economics	14	708			10	623				
History	3	18								
Industrial Relations	1	204			1	204				
Jefferson Papers	4	280								
Music	1	44			1	44				
Near Eastern Studies Program	1	(2)								
Politics	16	1,675			7	200				
Princeton Inst. for Int'l. & Reg'l Studies (PIRS)	2	30								
Sociology	15	358			13	295				
School of Public & Int'l Affairs	41	7,248			4	256				
Population Research (WWS)	25	4,173	9	2,000	2	38				
Survey Research Center (WWS)	1	3								
NON-ACADEMIC	28	6,500	0	0	2	4,399	1	114	1	108
Art Museum	10	454								
Dean of the College (CBLI/McGraw Ctr)	2	6			1	4				
Dean of Undergraduate Students	1	8								
Graduate School Fellowships	10	5,728			1	4,395	1	114	1	108
Health Services	2	111								
Library	2	72								
Office of Religious Life	1	122								
TOTAL, MAIN CAMPUS	1591	250,219	262	57,974	437	68,931	107	19,178	40	5,117
Plasma Physics Laboratory	1	119,381					1	119,381		
GRAND TOTAL	1592	369,601	262	57,974	437	68,931	108	138,559	40	5,117

*Award count added to Award Dept., expend \$ to Proj Dept

NOTES:

1. Figures are rounded out to nearest dollar
2. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
3. Other Govt: BBG, DoED, DOI, DOT, FDA, DHS, GSA, NEA, USGS, USIP

SECTION II

TABLE 6 - Section 2

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2019 - June 30, 2020)

DEPARTMENT / PROGRAM	DoD NAVY		NASA		DoD ARMY		STATE OF NJ		DOC (NIST/NOAA)		DoD DARPA	
NATURAL SCIENCES	12	2,090	92	13,389	11	3,581	17	243	9	6,156	8	950
Applied & Computational Math	1	243			1	170						
Astrophysical Sciences			76	10,590								
Atmospheric & Oceanic Sciences			4	543					8	6,132		
Center for Statistics and Machine Learning												
Center for Theoretical Sciences			1	86								
Chemistry	2	507	1	0	3	998						
Ecology & Evolutionary Biology											2	96
Geosciences	1	328	4	342	1	119						
Lewis-Siegler Institute							3	28			2	129
Mathematics												
Molecular Biology	1	64			1	190	10	210				
Physics	3	339	2	1,435	2	1,745					4	724
High Meadows Environmental Institute (HME)			4	393					1	25		
Princeton Inst for Computat'l Sci & Engin (PICSciE)												
Princeton Neuroscience Institute (PNI)	4	609			3	359	3	3				
Psychology							1	2				
ENGINEERING & APPLIED SCIENCES	23	3,433	22	1,756	25	3,686	2	27	3	109	24	8,149
Andlinger Ctr for Energy & Environment	2	90			1	98						
Center for Information Technology Policy												
Chemical & Biological Engineering							2	27			1	204
Civil & Environ. Engineering			6	887	1	62			3	109		
Computer Science	2	314			1	82					4	1,344
Electrical Engineering	6	871	2	87	8	440					14	4,250
Mechanical & Aerospace Engineering	10	1,927	12	735	6	621					1	96
Oper. Res. & Financial Engineering	1	55			1	158					1	208
PRISM	2	175	2	46	7	2,225					3	2,048
HUMANITIES & SOCIAL SCIENCES	2	182	0	0	0	0	0	0	0	0	0	0
Anthropology												
Architecture School												
Art & Archaeology												
Center for the Study of Religion												
Comparative Literature												
East Asian Studies Program												
Economics												
History												
Industrial Relations												
Jefferson Papers												
Music												
Near Eastern Studies Program												
Politics												
Princeton Inst. for Int'l. & Reg'l Studies (PIRS)												
Sociology												
School of Public & Int'l Affairs	2	182										
Population Research (WWS)												
Survey Research Center (WWS)												
NON-ACADEMIC	1	104	0	0	2	255	2	30	0	0	0	0
Art Museum							2	30				
Dean of the College (CBLI/McGraw Ctr)												
Dean of Undergraduate Students												
Graduate School Fellowships	1	104			1	147						
Health Services					1	108						
Library												
Office of Religious Life												
TOTAL, MAIN CAMPUS	38	5,808	114	15,145	38	7,522	21	300	12	6,265	32	9,099
Plasma Physics Laboratory												
GRAND TOTAL	38	5,808	114	15,145	38	7,522	21	300	12	6,265	32	9,099

*Award count added to Award Dept., expend \$ to Proj Dept

NOTES:

1. Figures are rounded out to nearest dollar
2. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
3. Other Govt: BBG, DoED, DOI, DOT, FDA, DHS, GSA, NEA, USGS, USIP

SECTION II

TABLE 6 - Section 3

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2019 - June 30, 2020)

DEPARTMENT / PROGRAM	DTRA/DSCA/ Other DoD		DoED		NATL INTELL./ IARPA		STATE DEPT		OTHER GOVT		GOVERNMENT	
NATURAL SCIENCES	7	1,451	0	0	4	2,831	0	0	4	339	688	143,328
Applied & Computational Math											10	1,557
Astrophysical Sciences											121	17,723
Atmospheric & Oceanic Sciences											22	7,309
Center for Statistics and Machine Learning											1	498
Center for Theoretical Sciences											1	86
Chemistry											77	13,281
Ecology & Evolutionary Biology									1	1	21	1,661
Geosciences	1	(2)							1	68	50	3,479
Lewis-Siegler Institute					1	131			1	73	60	12,561
Mathematics											46	3,486
Molecular Biology	3	962									93	17,774
Physics	3	491									64	27,940
High Meadows Environmental Institute (HME)									1	197	17	6,278
Princeton Inst for Computat'l Sci & Engin (PICSciE)											7	4,863
Princeton Neuroscience Institute (PNI)					1	2,657					78	23,305
Psychology					2	43					20	1,526
ENGINEERING & APPLIED SCIENCES	4	553	0	0	0	0	1	103	6	403	377	48,728
Andlinger Ctr for Energy & Environment											30	3,769
Center for Information Technology Policy											0	0
Chemical & Biological Engineering									1	216	32	4,332
Civil & Environ. Engineering	1	41							2	72	29	2,528
Computer Science											69	8,175
Electrical Engineering	1	350							1	65	78	10,457
Mechanical & Aerospace Engineering							1	103	2	50	71	6,532
Oper. Res. & Financial Engineering	1	19									18	1,999
PRISM	1	143									50	10,936
HUMANITIES & SOCIAL SCIENCES	0	0	1	(2)	0	0	1	1,056	6	322	61	5,330
Anthropology											4	113
Architecture School											0	0
Art & Archaeology											0	0
Center for the Study of Religion											0	0
Comparative Literature											0	0
East Asian Studies Program											0	0
Economics											10	623
History											0	0
Industrial Relations											1	204
Jefferson Papers									4	280	4	280
Music											1	44
Near Eastern Studies Program			1	(2)							1	(2)
Politics							1	1,056			8	1,255
Princeton Inst. for Int'l. & Reg'l Studies (PIRS)											0	0
Sociology									1	21	14	315
School of Public & Int'l Affairs									1	22	7	459
Population Research (WWS)											11	2,038
Survey Research Center (WWS)											0	0
NON-ACADEMIC	2	774	2	80	0	0	2	10	4	299	19	6,172
Art Museum									4	299	6	329
Dean of the College (CBLI/McGraw Ctr)							1	2			2	6
Dean of Undergraduate Students							1	8			1	8
Graduate School Fellowships	2	774	2	80							9	5,721
Health Services											1	108
Library											0	0
Office of Religious Life											0	0
TOTAL, MAIN CAMPUS	13	2,778	3	78	4	2,831	4	1,169	20	1,364	1145	203,559
Plasma Physics Laboratory											1	119,381
GRAND TOTAL	13	2,778	3	78	4	2,831	4	1,169	20	1,364	1146	322,940

*Award count added to Award Dept., expend \$ to Proj Dept

NOTES:

1. Figures are rounded out to nearest dollar
2. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
3. Other Govt: BBG, DoED, DOI, DOT, FDA, DHS, GSA, NEA, USGS, USIP

SECTION II

TABLE 6 - Section 4

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2019 - June 30, 2020)

DEPARTMENT / PROGRAM	FOUNDATIONS		INDUSTRY		PRIVATE/ OTHER	
	177	17,406	51	7,079	34	1,006
NATURAL SCIENCES						
Applied & Computational Math	3	491			1	2
Astrophysical Sciences	8	1,540	2	261	3	366
Atmospheric & Oceanic Sciences	1	91				
Center for Statistics and Machine Learning						
Center for Theoretical Sciences						
Chemistry	18	1,769	34	2,712	2	4
Ecology & Evolutionary Biology	12	847			4	9
Geosciences	9	467	2	254	2	61
Lewis-Siegler Institute	15	882	4	229	6	326
Mathematics	15	1,656			1	3
Molecular Biology	35	2,060	6	483	8	95
Physics	21	4,109			3	65
High Meadows Environmental Institute (HME)	3	95	2	2,315	1	9
Princeton Inst for Computat'l Sci & Engin (PICSciE)	1	4				
Princeton Neuroscience Institute (PNI)	32	2,924	1	824	1	65
Psychology	4	470			2	2
ENGINEERING & APPLIED SCIENCES	34	2,884	48	6,746	21	1,287
Andlinger Ctr for Energy & Environment	3	165	6	2,567		
Center for Information Technology Policy	2	86			1	29
Chemical & Biological Engineering	10	1,108	6	265	5	683
Civil & Environ. Engineering	1	2	2	142	2	12
Computer Science	10	773	7	1,097	4	316
Electrical Engineering	1	17	8	1,094	4	76
Mechanical & Aerospace Engineering	3	138	4	390	4	134
Oper. Res. & Financial Engineering	2	86	5	688	1	37
PRISM	2	508	10	502		
HUMANITIES & SOCIAL SCIENCES	64	9,713	0	0	8	211
Anthropology						
Architecture School	1	391				
Art & Archaeology	1	6				
Center for the Study of Religion	1	(3)				
Comparative Literature	1					
East Asian Studies Program	1	8				
Economics	3	79			1	6
History	3	18				
Industrial Relations						
Jefferson Papers						
Music						
Near Eastern Studies Program						
Politics	5	390			3	29
Princeton Inst. for Int'l. & Reg'l Studies (PIRS)	2	30				
Sociology	1	43				
School of Public & Int'l Affairs	30	6,614			4	175
Population Research (WWS)	14	2,135				
Survey Research Center (WWS)	1	3				
NON-ACADEMIC	9	328	0	0	0	0
Art Museum	4	125				
Dean of the College (CBLI/McGraw Ctr)						
Dean of Undergraduate Students						
Graduate School Fellowships	1	7				
Health Services	1	2				
Library	2	72				
Office of Religious Life	1	122				
TOTAL, MAIN CAMPUS	284	30,332	99	13,825	63	2,504
Plasma Physics Laboratory						
GRAND TOTAL	284	30,332	99	13,825	63	2,504

*Award count added to Award Dept., expend \$ to Proj Dept

NOTES:

1. Figures are rounded out to nearest dollar
2. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
3. Other Govt: BBG, DoED, DOI, DOT, FDA, DHS, GSA, NEA, USGS, USIP

SECTION II
TABLE 7
FY2020 SPONSOR INVENTORY

Sponsor/Agency	Expenditures
Agouron Institute	\$17,832
AI4ALL	\$24,999
Air Force Institute of Technology - OH	\$107,540
Air Force Office of Scientific Research	\$4,709,888
Air Force Research Laboratory (Rome)	\$280,308
Air Force Research Laboratory (WPAFB)	\$19,506
Air Liquide	\$129,997
Albert Browne Limited	(\$31,844)
Alexander von Humboldt Foundation	\$195,181
Alfred P. Sloan Foundation	\$517,718
Alibaba Cloud (Singapore) Private Ltd	\$28,590
alpha-En Corporation	(\$1,106)
American Cancer Society, Inc. (ACS)	\$115,454
American Chemical Society	\$190,171
American Council of Learned Societies	\$5,942
American Diabetes Association	\$30,330
American Heart Association	\$7,945
American Physical Society	\$36
American Political Science Association	\$1,740
Amgen, Inc.	\$1,803
Annie E. Casey Foundation	\$94,656
Apple Inc.	\$99,613
Ara Parseghian Medical Research Fund	\$84,081
Army Corps of Engineers	\$62,152
Army Medical Research & Materiel Command	\$108,202
Army Medical Rsrch Acquistion Activity	\$189,905
Army Research Office - NC	\$6,797,707
Arnold and Mabel Beckman Foundation	\$165,131
Australian Research Council	\$18,463
Bernard & Anne Spitzer Charitable Trust	\$63,057
Bernard van Leer Foundation	\$59,775
Beyond Conflict	\$2,211
Bill & Melinda Gates Foundation	\$886,591
BP International Limited	\$2,315,371
Brain and Behavior Research Foundation	\$31,995
Breast Cancer Research Foundation	\$255,872
Bristol Myers Squibb Company - NJ	\$69,981
Bristol Myers Squibb Company - NY	\$83,543

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Broadcasting Board of Governors	\$64,913
Canadian Institute for Advanced Research	\$22,524
Carnegie Corporation of New York	\$313,001
Celgene Corporation	\$672,395
Chan Zuckerberg Initiative	\$183,200
Chanel S.A.	\$2,470
Charles H. Revson Foundation	\$7,879
Christian A. Johnson Endeavor Foundation	\$120
Council of Ivy League Presidents	\$2,320
Crohn's & Colitis Foundation of America	\$8,844
Damon Runyon Cancer Research Foundation	\$139,424
Defense Advanced Research Projects Agency	\$9,098,992
Defense Security Cooperation Agency	\$14,675
Defense Threat Reduction Agency	\$141,380
Department for International Development	\$387
Department of Defense	\$2,253,525
DOE - Boston Regional Office	\$0
DOE - Chicago	\$7,112,658
DOE - Germantown	\$753,200
DOE - Morgantown	\$22,002
DOE - National Nuclear Security Admin	\$1,463,384
DOE - National Renewable Energy Lab - WV	\$199,515
DOE - Oak Ridge	\$43,923
DOE - Pittsburgh NETL	\$147,878
DOE - Washington	\$8,798,542
DOE Advanced Res Projects Agency - Energy	\$129,735
DOE Office of Fossil Energy	\$344,369
DOE- Golden Field Office	\$124,807
EDHEC-Risk Institute	\$37,040
Edward Mallinckrodt Jr. Foundation	\$117,220
Entertainment Industry Foundation	\$50,000
ETH Zurich	\$5,881
ExxonMobil Research and Engineering Co.	\$2,080,276
F. Hoffmann-La Roche Ltd.	\$742
Facebook Technologies, LLC	\$363,545
Federal Aviation Agency (DOT)	\$2,334
Fidelity Charitable Gift Fund	\$38,176
Firmenich SA	(\$35,342)
Focal-JMlab	\$115,550
Foundation for Child Development	(\$0)

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Foundation for Prader-Willi Research	\$20,312
Freeman Foundation	\$7,827
Futures Action Network, LLC	\$201,260
Genentech, Inc.	\$216,692
General Fusion Inc.	\$59,252
GlaxoSmithKline - US	\$26,717
Glenn Foundation for Medical Research	\$11,069
Gordon and Betty Moore Foundation	\$3,867,732
GPB Scientific, LLC	\$73
Guardian Capital Management Ltd	\$29,773
Heising-Simons Foundation	\$136,881
Helen Frankenthaler Foundation	\$25,000
Helen Hay Whitney Foundation	\$125,332
Howard Hughes Medical Institute	\$1,449,092
Human Frontier Science Prog Org (HFSP0)	\$288,566
Idaho National Eng and Env Labor	(\$3,371)
Int Human Frontier Sci Prog Org (IHFSP0)	\$49,014
Intel Corporation - CA	\$1,024,348
Intell. Advanced Rsrch Projects Activity	\$2,831,300
International Balzan Foundation	\$160,334
Intl Business Machines Corp. (IBM)	\$33,950
IP Group Inc.	\$189,894
J. Paul Getty Trust	\$1,792
James S. McDonnell Foundation	\$309,481
Jane Coffin Childs Mem. Fund/Med. Resr.	\$57,927
Janssen Research & Development, LLC	\$341,918
Jnana Therapeutics	\$110,727
Johnson & Johnson	\$3,777
Kavli Institute for Physics & Mathematics	\$365,758
Keck Foundation (The W. M.)	\$266,559
King Abdullah Univ of Science and Tech	\$220,094
L'Oreal USA	\$110,815
Life Sciences Research Foundation	\$133,448
Lockheed Martin Corporation	\$16,122
Lung Biotechnology PBC	\$161,121
March of Dimes- Birth Defects Foundation	\$19,826
Masason Foundation	\$50,632
Merck & Co., Inc.	\$1,182,296
Metropolitan Council	\$9,194
Mitutoyo Corporation	\$11,198

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Nancy Lurie Marks Family Foundation	\$0
Nanoelectronic Research Corporation	\$8,216
NASA Glenn Research Center	\$8,812
NASA Goddard Space Flight Center	\$376,976
NASA Headquarters - Washington	\$14,663,961
NASA Langley Research Center	\$54,310
NASA Shared Services Center	\$40,943
National Endowment for the Arts	\$35,355
National Endowment for the Humanities	\$137,308
National Geographic Society	\$1,878
National Reconnaissance Office	\$349,647
National Security Agency	\$18,642
Naval Air Warfare Center Aircraft Div	\$28,990
Naval Medical Research Center	\$64,103
Naval Postgraduate School	\$103,740
Navy - Other	\$240,521
Netherlands Org for Scientific Rsrch	\$134,625
New Jersey Governor's Council on Autism	\$11,158
New Jersey Health Foundation, Inc.	\$43,760
New Objective Inc.	\$44,036
New Venture Fund	\$28,800
New-Land Foundation	\$51,683
NIH NCATS	\$449,981
NIH NCI	\$2,751,377
NIH NEI	\$531,056
NIH NHGRI	\$823,921
NIH NHLBI	\$1,208,205
NIH NIA	\$1,618,482
NIH NIAID	\$5,968,648
NIH NIAMS	\$1,164,834
NIH NIBIB	\$704,764
NIH NICHD	\$4,212,893
NIH NIDA	\$1,317,968
NIH NIDDK	\$1,495,933
NIH NIEHS	\$746,412
NIH NIGMS	\$16,111,207
NIH NIMH	\$9,800,138
NIH NIMHD	\$426,883
NIH NINDS	\$7,695,203
NIH NINR	\$26,933

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
NIH Office of the Director	\$919,602
NJ Commission on Brain Injury Research	\$28,688
NJ Commission on Cancer Research	\$228,130
NJ Commission on Spinal Cord Research	(\$95)
NJ Dept of Human Services	\$1,722
NJ State Council on the Arts	\$30,000
NOMIS Foundation	\$163,328
NSF - National Science Foundation	\$68,930,642
Ntl Historical Pubs. and Records Comm	\$142,554
Ntl Institute of Food and Agriculture	\$270,169
Oak Ridge National Laboratory	\$41,172
Office of Evaluation Services	\$20,693
Office of Naval Research - MA	\$5,370,389
One Concern, Inc.	\$47,616
Open Technology Fund	\$33,580
Optimeos Life Sciences, LLSC	\$151,281
Pew Scholars Prog in the Biomedical Sci	\$146,458
Pfizer Inc.	\$322,805
PhRMA Foundation	\$27,262
PlanetLab	\$151,688
Public Service Electric and Gas Company	\$194,052
Qatar National Research Fund	\$27,271
Raymond and Beverly Sackler Foundation	(\$12,465)
Research Corporation	\$36,403
Research Council of Norway	\$1,796
Research Executive Agency	\$1,683
Robert Wood Johnson Foundation	\$4,939,797
Rockefeller Brothers Fund, Inc.	\$96,477
Russell Sage Foundation	\$373,652
Rutgers Cancer Institute of New Jersey	\$84,189
SAMSUNG Electronics - Korea	\$240,505
Samuel H. Kress Foundation	\$40,387
Schmidt Futures	\$87,274
Searle Scholars Program	\$188,742
Semiconductor Research Corporation	\$1,470,990
Shandong Lutai Holding Co., Ltd.	\$25,642
Shell Oil Company	\$108,588
Sidney Kimmel Fdn for Cancer Research	(\$1,524)
Siemens Corporation - NY	\$89,107
Silicon Valley Community Foundation	\$152,097

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Smith Richardson Foundation, Inc.	\$84,850
Social Science Research Council	\$49
Society for Conservation Biology	\$9,692
SPH Sine Pharmaceutical Labs Co., Ltd.	\$102,484
St. Jude's Children Research Hospital	\$496,431
Stand up to Cancer	\$155,749
Swiss National Science Foundation	\$42,344
Syncrude Canada Ltd.	\$55,338
Takeda Pharmaceutical Company Limited	\$8,992
Templeton World Charity Foundation, Inc.	\$121,456
Tesla Motors Inc.	\$83,392
Texas A&M University - College Station	\$65,000
The Andrew W. Mellon Foundation	\$513,046
The Barer Institute	\$121,796
The Burroughs Wellcome Fund	\$210,351
The Camille and Henry Dreyfus Fdn., Inc.	\$19,211
The David and Lucile Packard Foundation	\$1,002,192
The Florence Gould Foundation	\$2,638
The Ford Foundation	\$132,846
The Henry Luce Foundation, Inc.	\$149,452
The Insulin Club, Inc.	\$139,493
The John D. & Catherine T. MacArthur Fdn	\$1,120,601
The John Templeton Foundation	\$900,636
The JPB Foundation	\$905,280
The Kavli Foundation	\$1,658
The Lynde and Harry Bradley Fdn., Inc.	\$100,000
The Miami Foundation	\$48,204
The Nature Conservancy	\$5,971
The New York Stem Cell Foundation	\$556,873
The Nicholson Foundation	\$50,499
The Nippon Foundation	\$91,203
The Orphiflamme Foundation	\$15,000
The Paul G Allen Family Foundation	\$120,787
The Pew Charitable Trusts	\$51,870
The Simons Foundation	\$7,091,449
The Spencer Foundation	\$4,475
The Susan G. Komen Breast Cancer Fdn.	\$176,114
The Swartz Foundation	\$127,131
The Thomas W. Smith Foundation	\$147,971
The Vallee Foundation Inc.	\$29,724

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
The World Bank	\$7,000
Thrive+ Health Inc.	\$63,382
TOTAL E&P Research & Technology USA, LLC	\$254,417
Trumpf Photonics, Inc.	\$31,282
U.S Embassy Stockholm	\$8,000
U.S. Army Command & General Staff Coll	\$146,740
U.S. Army Contracting Command - MD	\$98,344
U.S. Department of Education	\$78,106
U.S. Department of Homeland Security	\$47,965
U.S. Department of State	\$1,158,893
U.S. Department of Transportation	\$71,887
U.S. Dept of Agriculture	\$814
U.S. DOC - Natl Oceanic & Atmos Admin	\$6,265,170
U.S. Embassy Singapore PAS	\$2,280
U.S. Food and Drug Administration	\$216,148
U.S. Geological Survey	\$68,297
U.S. Inst of Museum & Library Services	\$263,558
U.S. Institute of Peace	\$21,721
U.S.-Israel Binational Science Fdn.	\$66,016
Unilever R&D, Port Sunlight	\$26,862
University of California at Berkeley	\$2,398
University of Saskatchewan	\$10,319
US Army Rsrch, Dev & Engineering Command	\$118,775
Varuna Biomedical Corporation	\$15,435
VolkswagenStiftung	\$144,544
Washington Center for Equitable Growth	\$6,365
William T. Grant Foundation	\$40,956
Wizard Forms (RoomSage)	\$59,201
World Health Organization	(\$904)
YRC Worldwide Inc.	\$482,863
Grand Total	\$250,219,281