

**ANNUAL REPORT OF THE UNIVERSITY RESEARCH BOARD (URB) AND
THE OFFICE OF RESEARCH AND PROJECT ADMINISTRATION (ORPA)
FISCAL YEAR 2020 -2021**

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SECTION I

THIS SECTION FOCUSES ON SPONSORED RESEARCH EXPENDITURES FOR THE FISCAL YEAR 2021.

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 \$255.9M for FY2021. 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 \$133.8M 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 33% since FY2012 (\$192M in FY2012 to \$256M in FY2021). Over 80% of Princeton's extramural research funding comes from U.S. government sources, through 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 almost 60% of Princeton's federally-sponsored research.

In FY2021, which was wholly enveloped by the COVID-19 pandemic, the federal government continued investing in coronavirus research programs on campus, 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 2021 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 FY2021 sponsored research expenditures for the University and PPPL combined was \$389.7M, an increase of 5.4% over the previous fiscal year's grand total of \$369.6M. University main campus expenditures were up 2.3%, totaling \$255.9M, compared to \$250.2M in FY2020 (Chart 1). During the same time period, PPPL's expenditures were up by 12.1%, increasing to \$133.8M from \$119.4M in FY2020.

Table 1 shows five-year history by prime sponsor. Of particular note, DOE, NSF and NASA expenditures have risen 65%, 14% and 39%, respectively, between FY2017 and FY2021.

Table 2 shows five-year history by Divisions. Expenditures within the Natural Sciences has been increasing dramatically over the last five years, with \$137.4M in FY2017 increasing to \$170.8M in FY2021, up over 24%. Expenditures between FY2017 and FY2021 are also up in Humanities & Social Sciences by 26% and in Non-Academic departments by 1,016%*.

Chart 2 shows the breakdown of expenditures, with direct costs ("operating costs") and indirect costs (\$176.1M and \$58.1M, respectively) both up (1.3% and 0.4%, respectively) while equipment expenditures increased 32.1% from the previous year. Student Aid/Training grant expenditures were also up, 7.9% from FY2020 (Table 2).

Main Campus

Princeton researchers attract funding from a broad range of external sponsors, though the primary funding source 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 FY2021. Government funding comprises over 80% 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, \$66.6M, \$56.4M, \$30.3M, \$22.6M, and \$14.1M during FY2021 (Table 1 and Chart 3). Chart 4 presents a five-year comparison (FY2017-2021) of government-sponsored expenditures by agency.

*The DGS Graduate Fellowship was not included in Non-Academic Expenditures until FY19.

Funding from non-government sources, increasingly important to the Princeton research portfolio, comprised the balance of the total sponsored research expenditures in FY2021 (Chart 5). This category includes foundations, industry, and private/other entities (e.g., educational institutions, hospitals, foreign entities, associations), which together represent almost 20% of Princeton's sponsored research expenditures. Funding from these sources was up almost 9% over the previous year (\$46.7/FY2020 and \$50.7M/FY2021), and compared to FY2017, it is up over 32% (\$38.2M). Foundation-sponsored expenditures showed the largest increase--up over 39%--when compared to FY2017 expenditures (\$24.1M/FY2017, \$33.7M/FY2021) (Table 1).

Princeton Plasma Physics Laboratory (PPPL)

Chart 6 shows the history of PPPL's expenditures over the past 10 years. In this publication, FY2021 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 34% of total sponsored research expenditures in Princeton's research enterprise, were up over 12% with \$133.8M in FY2021 compared to \$119.4M in FY2020.

Notes about FY 2021 Annual Report

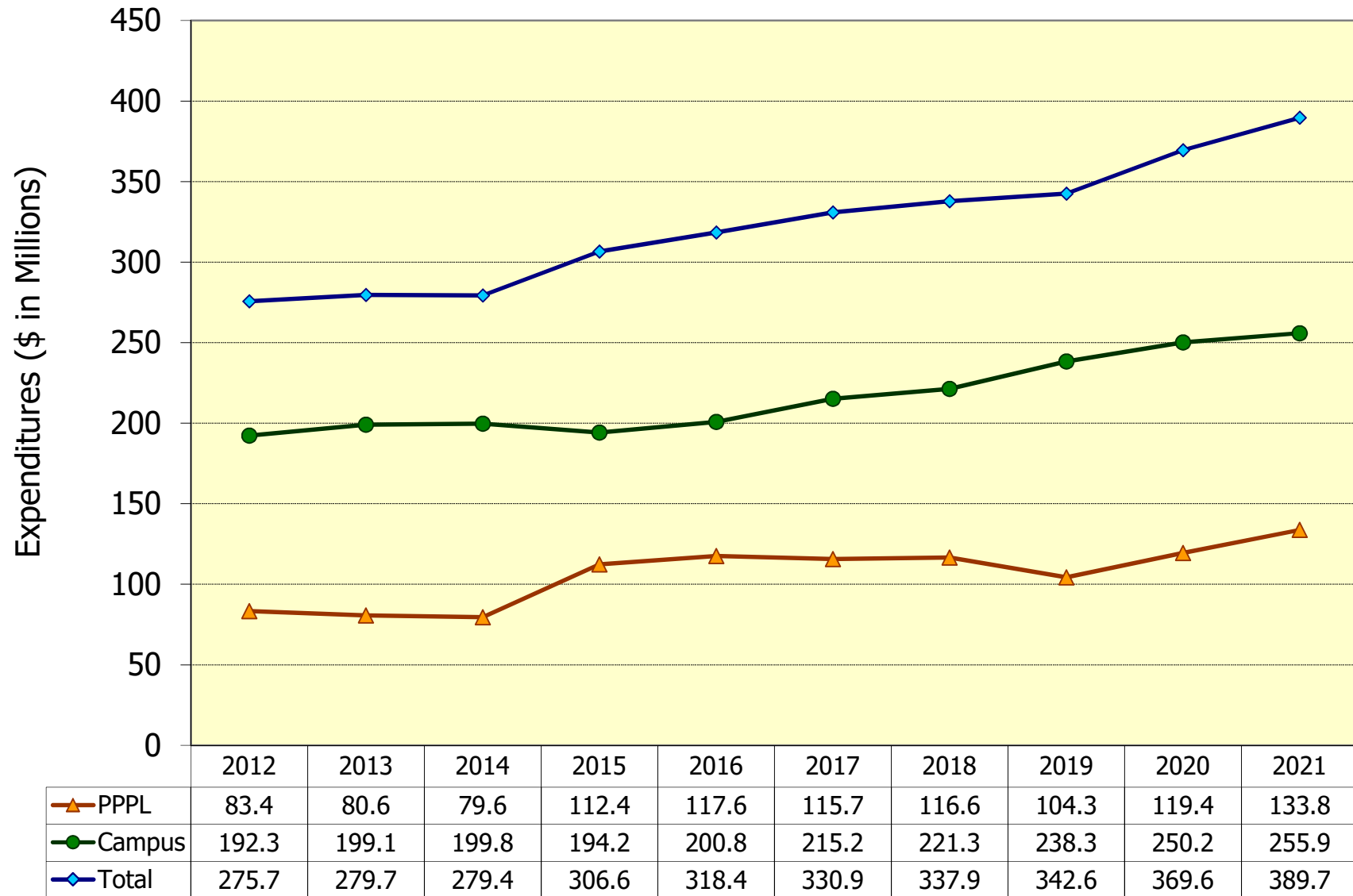
- 1) All awards are included in the count of awards. Prior to FY2019, only those awards that had expenditures of +/- \$1,000 and more were counted as an award.
- 2) Charts and Tables only show expenditures from Prime/Flow-through sources, rather than direct sources.
- 3) The expenditures section shows expenditures by the Project Owning 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 represents key metrics in the Princeton research enterprise. Note that the Tableau site is restricted to certain Princeton audiences.

Last, the National Science Foundation's Higher Education Research and Development (HERD) Survey website is a helpful source of research expenditure-related data at

research intensive universities across the U.S. (including Princeton), updated annually:
<https://www.nsf.gov/statistics/srvyherd/>

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>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
NSF	58,266	61,492	64,442	68,931	66,574
NIH	50,939	52,549	58,407	57,974	56,424
DOD	30,086	26,663	29,077	30,324	30,334
DOE	13,698	12,316	14,676	19,178	22,574
NASA	10,156	15,850	15,165	15,145	14,095
DOC (NOAA & NIST)	8,619	7,713	6,063	6,265	9,544
NI (IARPA & CIA)	3,210	2,769	3,351	2,831	2,256
Other (DOI, DOT, EPA, DoED, Misc)	866	890	2,135	2,438	3,058
NEH and NEA	188	62	136	173	141
NJ	899	710	704	300	281
TOTAL GOVERNMENT	176,927	181,015	194,158	203,559	205,282
TOTAL FOUNDATION	24,138	27,363	28,657	30,332	33,654
TOTAL INDUSTRIAL	9,973	10,653	12,884	13,825	13,117
TOTAL PRIVATE/OTHER	4,170	2,255	2,654	2,504	3,883
TOTAL NON-GOVERNMENT	38,280	40,271	44,195	46,661	50,654
TOTAL, CAMPUS	\$215,208	\$221,286	\$238,353	\$250,219	\$255,936
Sponsors, Plasma Physics Lab***					
DOE	115,727	116,611	104,300	119,382	133,755
TOTAL GOVERNMENT	115,727	116,611	104,300	119,382	133,755
TOTAL, PPPL	115,727	116,611	104,300	119,382	133,755
GRAND TOTAL, CAMPUS & PPPL	\$330,934	\$337,897	\$342,653	\$369,601	\$389,690

* 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>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Natural Sciences	137,393	149,130	158,980	168,819	170,774
Engineering & Applied Sciences	63,537	59,714	59,224	59,646	61,185
Humanities & Social Sciences	13,679	11,915	13,967	15,254	17,301
Non-Academic Departments	598	528	6,181	6,500	6,676
Sub-Total Campus	215,208	221,286	238,353	250,219	255,936
Plasma Physics Laboratory	<u>115,727</u>	<u>116,611</u>	<u>104,300</u>	<u>119,382</u>	<u>133,755</u>
GRAND TOTAL	\$330,934	\$337,897	\$342,652	\$369,601	\$389,690

NUMBER OF SPONSORED AWARDS

<u>Breakdown by Division*</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Natural Sciences	825	847	906	950	946
Engineering & Applied Sciences	474	463	506	480	489
Humanities & Social Sciences	124	133	137	133	132
Non-Academic Departments	19	15	27	28	21
Sub-Total Campus	1,442	1,458	1,576	1,591	1,588
Plasma Physics Laboratory**	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
GRAND TOTAL	1,443	1,459	1,577	1,592	1,589

AVERAGE EXPENDITURES PER AWARD (\$1,000)

<u>Breakdown by Division*</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>
Natural Sciences	167	176	175	178	181
Engineering & Applied Sciences	134	129	117	124	125
Humanities & Social Sciences	110	90	102	115	131
Non-Academic Departments	31	35	229	232	318
All	\$149	\$152	\$151	\$157	\$161

* 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)

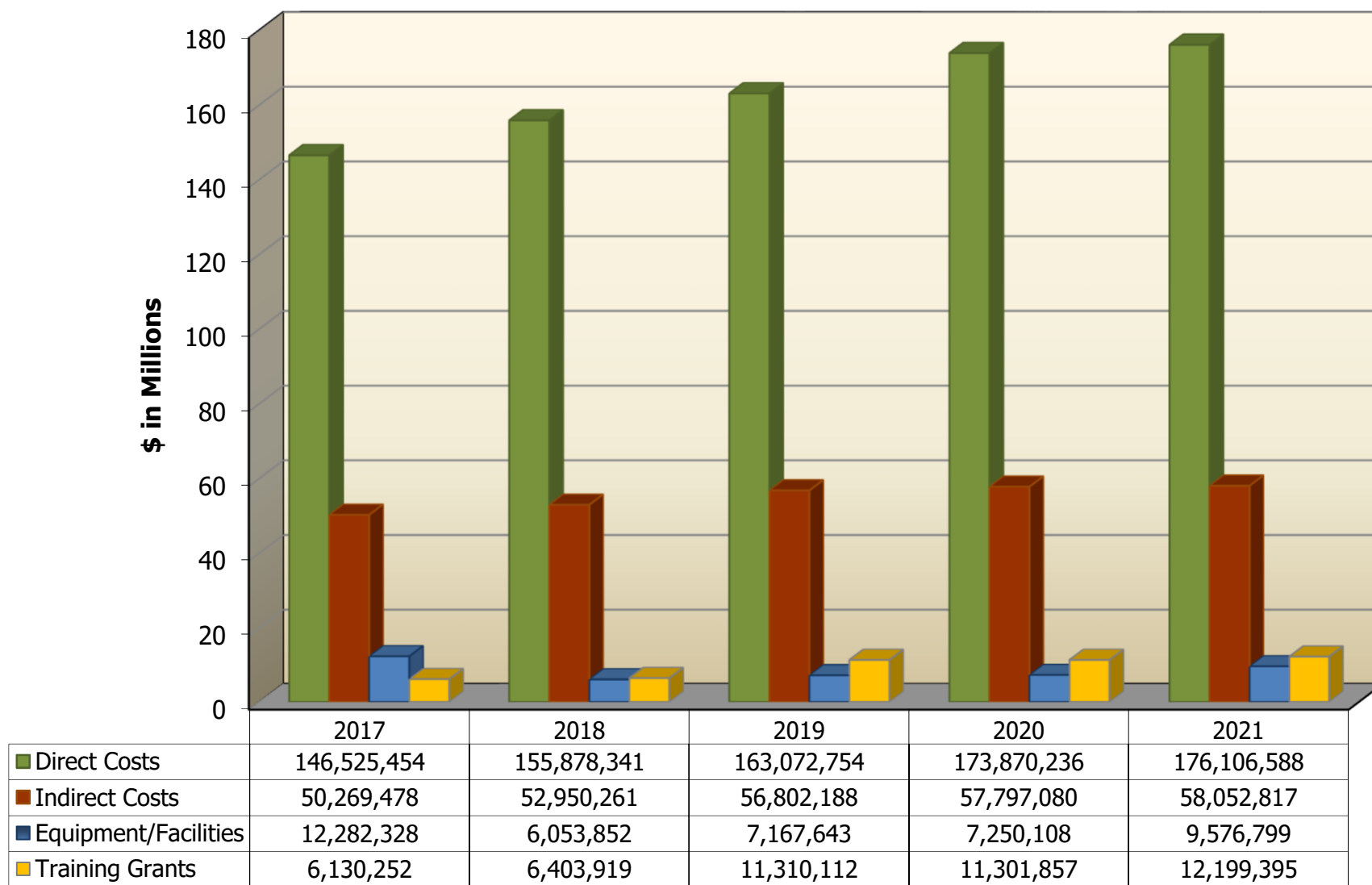
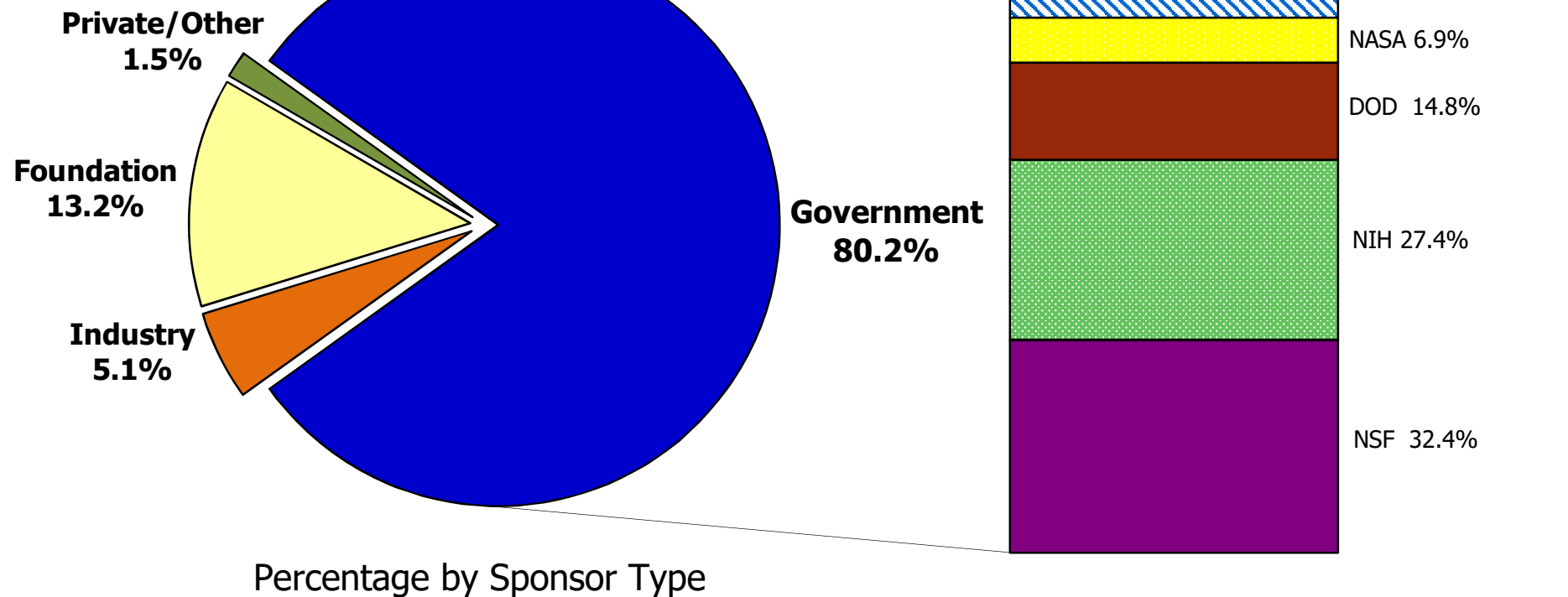


Chart 3
Funding % By Prime* Sponsor - FY 2020-2021
 (Excludes PPPL)

Breakdown by Gov't Sponsors



*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)

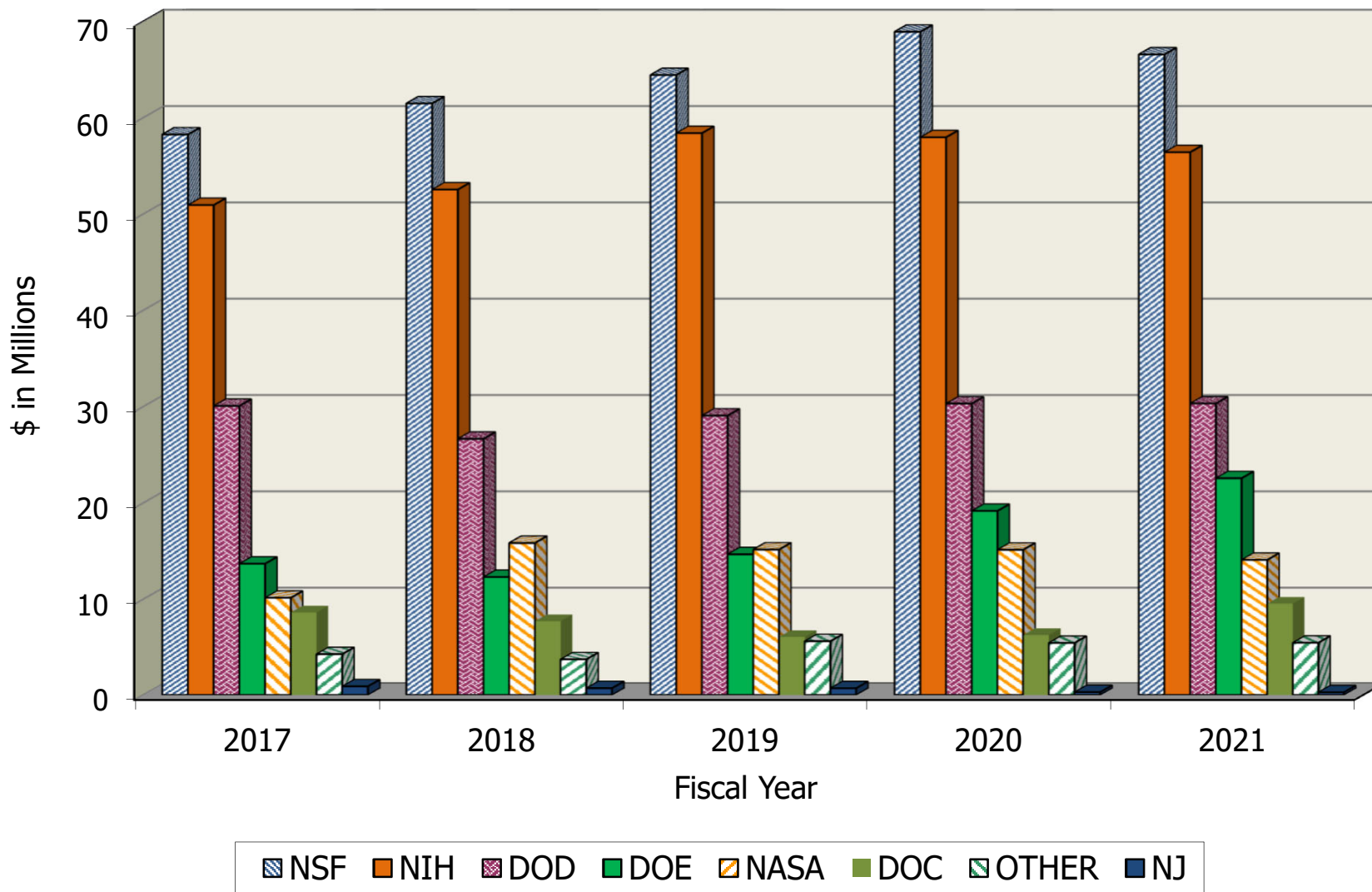


Chart 5
Comparison of Non-Government Sponsored Expenditures
 (with Funds moved to Prime Sponsor)
 (Excludes Plasma Physics Lab)

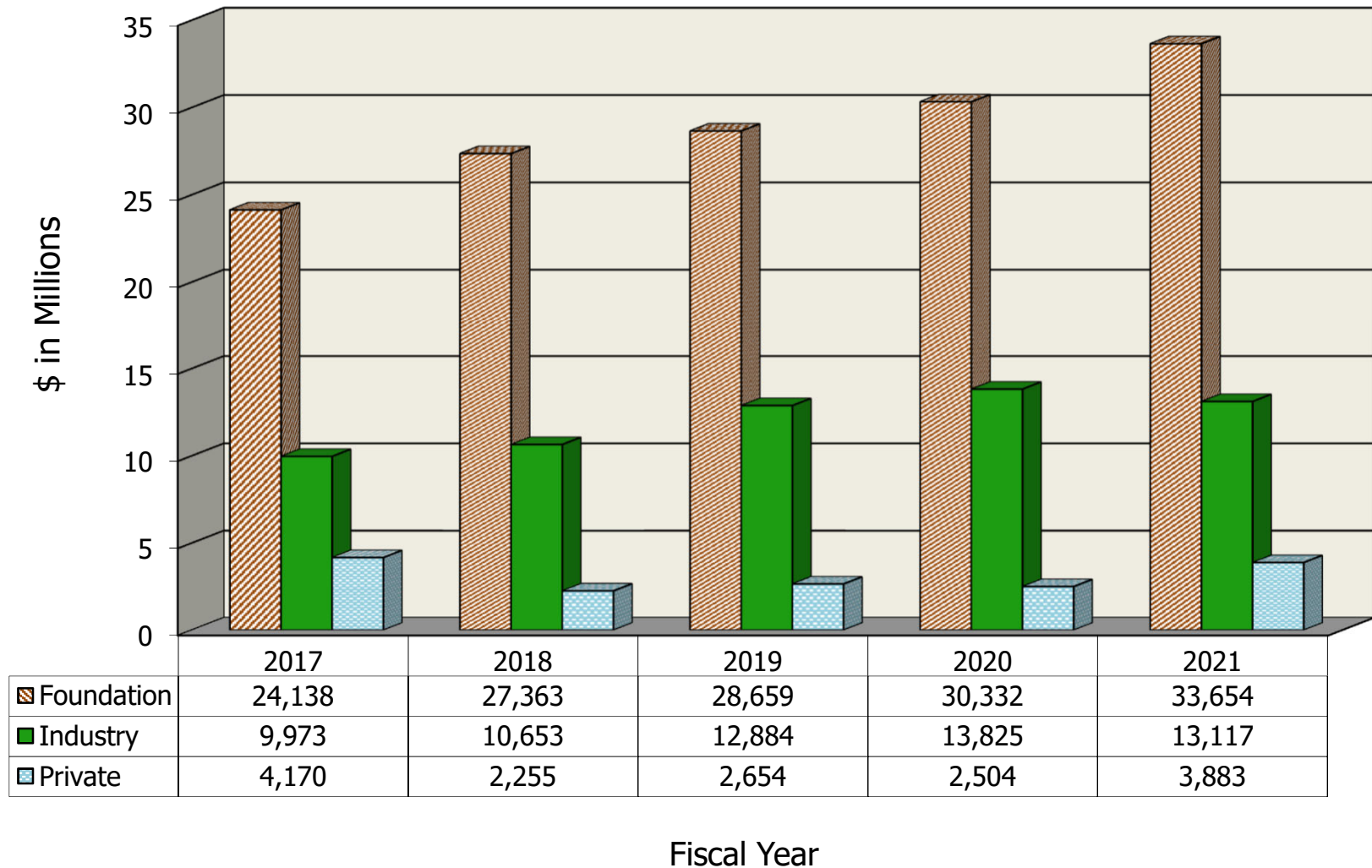
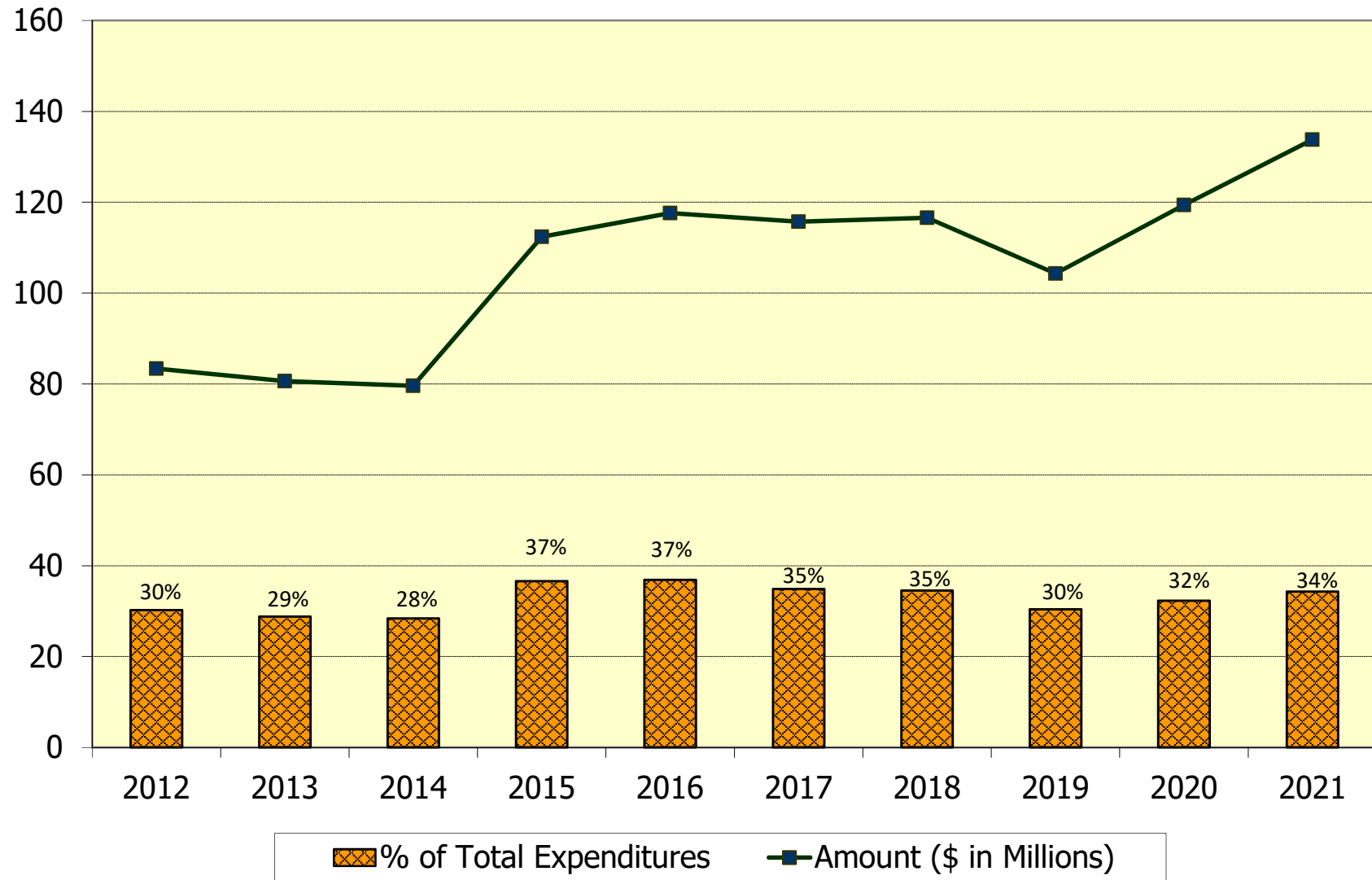


Chart 6

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, 2020 - June 30, 2021

DEPARTMENT/PROGRAM	# of Awards*	Direct Costs (Operating)	Subaward (Operating)	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NATURAL SCIENCES	946	\$93,105,403	\$26,252,941	\$5,242,668	\$6,887,560	\$39,285,203	\$170,773,776
Applied & Computational Math (PACM)	16	1,087,127	388,835	0	0	423,414	\$1,899,376
Astrophysical Sciences	139	10,200,174	5,292,613	228,136	360,938	4,861,435	\$20,943,296
Atmospheric & Oceanic Sciences	20	6,393,710	1,590,308	45,714	1,881,359	1,932,763	\$11,843,855
Center for Statistics and Machine Learning	1	5,215	0	0	0	3,233	\$8,448
Center for Theoretical Sciences	1	15,211	0	71,167	0	3,355	\$89,733
Chemistry	135	11,949,474	1,732,391	445,317	906,121	5,330,845	\$20,364,148
Ecology & Evolutionary Biology	33	1,614,268	102,735	185,134	(5)	693,587	\$2,595,720
Geosciences	56	2,648,884	96,620	125,121	13,242	1,212,524	\$4,096,391
High Meadows Envin Institute (HME)	34	3,811,087	2,870,893	5,253	82,308	1,465,791	\$8,235,333
Lewis-Siegler Institute	85	8,601,952	522,140	949,434	172,328	4,241,001	\$14,486,856
Mathematics	54	2,549,570	0	188,060	63,700	1,024,725	\$3,826,055
Molecular Biology	138	10,724,048	859,551	1,694,915	707,200	5,203,790	\$19,189,504
Physics	90	14,307,772	7,966,718	82,849	1,040,492	4,544,494	\$27,942,325
Princeton Inst for Comput'l Sci & Eng (PICSciE)	6	739,314	3,344,731	187,800	0	327,640	\$4,599,485
Princeton Neuroscience Institute (PNI)	110	16,969,341	1,193,409	951,424	1,659,876	7,441,294	\$28,215,344
Psychology	28	1,488,256	291,997	82,342	0	575,311	\$2,437,907
ENGINEERING & APPLIED SCIENCES	489	35,772,325	5,281,269	440,778	2,684,520	17,005,895	\$61,184,788
Andlinger Center	50	4,212,893	108,049	75,999	27,752	2,064,109	\$6,488,802
Center for Information Technology Policy	1	6,065	0	66,000	0	14,413	\$86,478
Chemical & Biological Engineering	54	3,569,388	721,682	185,310	(9,879)	1,667,416	\$6,133,918
Civil & Environmental Engineering	25	966,815	77,771	0	0	431,808	\$1,476,393
Computer Science	91	7,858,267	704,408	23,773	52,799	3,183,240	\$11,822,486
Electrical & Computer Engineering	97	6,102,038	1,206,113	10,709	248,296	2,925,918	\$10,493,074
Mechanical & Aerospace Engineering	78	4,561,950	440,733	40,083	246,848	2,404,543	\$7,694,156
Operations Research & Financial Engin.	25	1,575,182	222,183	0	11,311	925,106	\$2,733,781
PRISM	68	6,919,726	1,800,331	38,905	2,107,393	3,389,344	\$14,255,699
HUMANITIES & SOCIAL SCIENCES	132	11,798,373	3,632,781	105,002	4,718	1,759,963	\$17,300,837
Anthropology	3	18,203	0	28,000	0	3,433	\$49,636
Architecture	3	357,622	0	20,000	0	0	\$377,622

TABLE 3 (CONT.)

DEPARTMENT/PROGRAM	# of Awards*	Direct Costs (Operating)	Subaward (Operating)	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
Art & Archaeology	1	356	0	0	0	0	\$356
Center for Digital Humanities	2	91,805	7,056	4,000	0	0	\$102,861
Data Driven Social Science	1	15,175	0	0	0	0	\$15,175
East Asian Program	1	11,494	0	10,500	0	2,199	\$24,193
Economics	13	253,313	0	0	0	135,016	\$388,329
French & Italian	1	6,010	0	0	0	0	\$6,010
History	1	25,516	0	0	0	0	\$25,516
Industrial Relations Section	1	9,274	0	0	0	24,688	\$33,962
Jefferson Papers	3	195,465	3,929	0	0	20,635	\$220,029
Linguistics	1	57,755	0	0	0	15,016	\$72,772
Music	1	25,330	19,202	0	0	27,610	\$72,142
Near Eastern Studies	1	4,696	0	12,916	0	0	\$17,612
Politics	19	1,952,945	281,830	0	5,929	306,247	\$2,546,951
Princeton Inst. for Int'l & Regional Studies (PI	2	228,580	142,887	0	0	25,358	\$396,825
Religion	1	57,190	0	0	0	8,578	\$65,768
Sociology	9	98,432	0	0	0	51,089	\$149,521
School of Public & Int'l Affairs	42	6,204,297	1,080,363	29,587	0	630,993	\$7,945,240
Population Research	25	2,184,394	2,097,513	0	(1,211)	509,021	\$4,789,718
Survey Research Center	1	521	0	0	0	78	\$600
NON-ACADEMIC DEPARTMENTS	21	\$263,495	\$0	\$6,410,947	\$0	\$1,756	\$6,676,198
Art Museum	4	146,299	0	0	0	0	\$146,299
Dean of the College / McGraw Center	1	(3)	0	10,160	0	(2)	\$10,155
Dean of Undergraduate Students	1	0	0	0	0	0	\$0
Graduate School	1	(584)	0	0	0	0	-\$584
Graduate School Fellowships	9	42	0	6,400,787	0	0	\$6,400,829
Health Services	1	6,763	0	0	0	1,758	\$8,521
Library	3	13,100	0	0	0	0	\$13,100
Office of Religious Life	1	97,878	0	0	0	0	\$97,878
SUBTOTAL MAIN CAMPUS	1,588	\$140,939,596	\$35,166,992	\$12,199,395	\$9,576,799	\$58,052,817	\$255,935,599
Plasma Physics Laboratory**	1	\$131,524,022	\$0	\$73,077	(\$393,762)	\$2,551,417	\$133,754,754
GRAND TOTAL	1,589	\$272,463,618	\$35,166,992	\$12,272,473	\$9,183,037	\$60,604,234	\$389,690,353

* 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	FY2017		FY2018		FY2019		FY2020		FY2021	
	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total
NATURAL SCIENCES	825	\$137,392,581	847	\$149,129,933	906	\$158,980,214	950	\$168,819,334	946	\$170,773,776
Applied & Computational Math (PACM)	19	\$2,454,807	17	\$2,312,094	17	\$1,868,830	14	\$2,049,408	16	\$1,899,376
Astrophysical Sciences	109	\$12,727,340	115	\$18,925,360	139	\$19,015,451	134	\$19,889,598	139	\$20,943,296
Atmospheric & Oceanic Sciences	22	\$9,376,869	22	\$9,394,403	24	\$7,312,203	23	\$7,400,580	20	\$11,843,855
Center for Statistics and Machine Learning	1	\$69,006	1	\$76,726	1	\$14,511	1	\$497,960	1	\$8,448
Center for Theoretical Science	0	\$0	0	\$0	0	\$0	1	\$86,425	1	\$89,733
Chemistry	86	\$14,014,066	98	\$15,040,079	114	\$15,646,433	131	\$17,766,099	135	\$20,364,148
Ecology & Evolutionary Biology	50	\$3,188,206	46	\$3,089,610	48	\$3,155,941	37	\$2,516,808	33	\$2,595,720
Geosciences	48	\$3,484,261	56	\$4,419,765	56	\$3,384,835	63	\$4,262,401	56	\$4,096,391
High Meadows Env Inst (HME - formerly PEI)	17	\$7,372,925	18	\$7,328,597	20	\$8,105,587	23	\$8,697,220	34	\$8,235,333
Lewis-Siegler Institute	79	\$12,699,584	80	\$13,228,462	80	\$15,366,267	85	\$13,997,835	85	\$14,486,856
Mathematics	45	\$3,777,892	54	\$4,260,820	61	\$4,782,037	62	\$5,145,414	54	\$3,826,055
Molecular Biology	141	\$20,094,385	132	\$20,473,786	132	\$21,588,136	142	\$20,411,952	138	\$19,189,504
Physics	88	\$26,434,778	86	\$25,937,150	80	\$28,888,259	88	\$32,113,964	90	\$27,942,325
Princeton Inst for Comput'l Sci & Eng (PICSciE)	5	\$415,071	2	\$95,401	4	\$1,898,305	8	\$4,867,517	6	\$4,599,485
Princeton Neuroscience Institute (PNI)	96	\$18,466,618	102	\$22,795,010	110	\$26,728,386	112	\$27,118,062	110	\$28,215,344
Psychology	19	\$2,816,773	18	\$1,752,669	20	\$1,225,034	26	\$1,998,089	28	\$2,437,907
ENGINEERING & APPLIED SCIENCES	474	\$63,537,425	463	\$59,714,070	506	\$59,224,246	480	\$59,645,657	489	\$61,184,788
Andlinger Center	26	\$3,453,752	28	\$4,394,373	37	\$5,669,478	39	\$6,501,341	50	\$6,488,802
Center for Information Technology Policy	1	\$5,000	2	\$182,521	3	\$291,104	3	\$114,880	1	\$86,478
Chemical & Biological Engineering	74	\$8,122,929	61	\$6,608,773	59	\$6,500,805	53	\$6,388,572	54	\$6,133,918
Civil & Environmental Engineering	62	\$5,638,899	50	\$4,394,808	40	\$3,289,239	34	\$2,683,971	25	\$1,476,393
Computer Science	67	\$10,053,934	80	\$10,081,997	101	\$10,621,513	90	\$10,361,535	91	\$11,822,486
Electrical & Computer Engineering	83	\$9,439,139	81	\$9,185,070	93	\$10,593,946	91	\$11,644,593	97	\$10,493,074
Mechanical & Aerospace Engineering	80	\$8,169,218	77	\$8,439,346	84	\$7,717,863	82	\$7,194,533	78	\$7,694,156
Operations Research & Financial Engin.	29	\$3,807,877	31	\$3,044,602	31	\$2,847,629	26	\$2,810,491	25	\$2,733,781
PRISM	52	\$14,846,676	53	\$13,382,582	58	\$11,692,668	62	\$11,945,742	68	\$14,255,699

TABLE 4 (CONT.)

DEPARTMENT/PROGRAM	FY2017		FY2018		FY2019		FY2020		FY2021	
	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total
HUMANITIES & SOCIAL SCIENCES	124	\$13,679,321	133	\$11,914,865	137	\$13,967,075	133	\$15,253,902	132	\$17,300,837
Anthropology	2	\$19,670	2	\$24,093	4	\$23,611	4	\$112,949	3	\$49,636
Architecture	1	\$543,404	3	\$463,791	1	\$509,712	1	\$390,951	3	\$377,622
Art & Archaeology	0	\$0	1	\$50,000	2	\$17,831	1	\$5,942	1	\$356
Center for Digital Humanities	0	\$0	0	\$0	0	\$0	0	\$0	2	\$102,861
Center for Study of Religion	3	\$282,928	2	\$254,564	3	\$67,357	1	-\$3,181	0	\$0
Classics	0	(\$2)	1	\$4,873	1	\$388	0	\$0	0	\$0
Comparative Literature	0	(\$22)	0	\$0	0	\$0	1	\$0	0	\$0
Data Driven Social Science	0	\$0	0	\$0	0	\$0	0	\$0	1	\$15,175
East Asian Studies	1	\$118,126	1	\$36,451	0	\$0	0	\$0	0	\$0
East Asian Program	1	\$18,191	1	\$17,864	1	\$14,498	1	\$7,827	1	\$24,193
Economics	16	\$571,952	11	\$479,643	12	\$438,399	14	\$708,487	13	\$388,329
English	1	\$207,154	1	\$26,617	0	\$0	0	\$0	0	\$0
French & Italian	0	\$0	0	\$0	0	\$0	0	\$0	1	\$6,010
Gender and Sexuality Studies	1	(\$13,309)	2	\$118,547	2	\$14,508	0	\$0	0	\$0
History	6	\$281,913	5	\$167,472	3	\$18,528	3	\$17,760	1	\$25,516
History of Science	1	\$5,398	1	\$6,107	1	\$648	0	\$0	0	\$0
Industrial Relations Section	1	\$78,508	0	\$0	0	\$0	1	\$203,993	1	\$33,962
Jefferson Papers	0	\$0	0	\$0	2	\$218,885	4	\$279,862	3	\$220,029
Peter B. Lewis Center - Arts	0	\$333	0	-\$285	0	\$0	0	\$0	0	\$0
Linguistics (Council on the Humanities)	0	\$0	0	\$0	0	\$0	0	\$0	1	\$72,772
Music	0	\$0	1	\$20,500	0	\$0	1	\$44,134	1	\$72,142
Near Eastern Studies	1	\$140,835	2	\$69,975	0	\$0	0	\$0	1	\$17,612
Near Eastern Studies Program	1	\$145,823	1	\$303,557	1	\$24,600	1	-\$1,805	0	\$0
Philosophy	3	\$134,222	2	\$75,759	0	\$0	0	\$0	0	\$0
Politics	12	\$379,565	13	\$623,668	17	\$1,553,891	16	\$1,674,769	19	\$2,546,951
Princeton Inst. for Int'l & Regional Studies (PIIRS)	2	\$18,211	2	\$15,450	1	\$195,537	2	\$29,854	2	\$396,825
Religion	0	\$0	0	\$0	0	\$0	0	\$0	1	\$65,768
Sociology	5	\$355,673	9	\$247,245	13	\$224,614	15	\$358,343	9	\$149,521
School of Public & Int'l Affairs (formerly WWS)	48	\$6,492,407	53	\$6,075,493	50	\$6,616,228	41	\$7,248,376	42	\$7,945,240
Population Research (SPI)	16	\$3,798,535	18	\$2,688,018	22	\$4,027,814	25	\$4,173,123	25	\$4,789,718
Survey Research Center (SPI)	2	\$99,805	1	\$145,464	1	\$27	1	\$2,517	1	\$600

TABLE 4 (CONT.)

DEPARTMENT/PROGRAM	FY2017		FY2018		FY2019		FY2020		FY2020	
	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total	Awards*	Total
NON-ACADEMIC DEPARTMENTS	19	\$598,185	15	\$527,504	27	\$6,181,162	28	\$6,500,387	21	\$6,676,198
Art Museum	8	\$246,657	7	\$355,905	10	\$574,800	10	\$454,214	4	\$146,299
Dean of the College	0	\$0	0	\$0	0	\$0	1	\$2,280	0	\$0
Dean of the College (McGraw Center)	0	\$0	0	\$0	0	\$0	1	\$3,604	1	\$10,155
Dean of Undergraduate Students	0	\$0	0	\$0	0	\$0	1	\$8,000	1	\$0
Graduate School	1	\$28,015	1	\$7,064	0	\$0	0	\$0	1	-\$584
Graduate School Fellowships**	NA	NA	NA	NA	13	\$5,408,152	10	\$5,727,961	9	\$6,400,829
Health Services	4	\$236,411	2	\$85,174	2	\$110,169	2	\$110,522	1	\$8,521
Library	2	\$41,418	2	\$28,909	1	\$8,513	2	\$71,630	3	\$13,100
Pace Center	0	\$0	0	\$92	0	\$0	0	\$0	0	\$0
Office of Religious Life	0	\$0	0	\$0	1	\$79,530	1	\$122,056	1	\$97,878
Teacher Preparation	3	\$42,693	1	\$17,349	0	\$0	0	\$0	0	\$0
University Center for Human Values	1	\$2,990	2	\$33,013	0	\$0	0	\$120	0	\$0
SUBTOTAL MAIN CAMPUS	1,442	\$215,207,512	1,458	\$221,286,373	1,576	\$238,352,698	1,591	\$250,219,281	1,588	\$255,935,599
Plasma Physics Laboratory***	1	\$115,726,963	1	\$116,610,657	1	\$104,299,522	1	\$119,381,500	1	\$133,754,754
GRAND TOTAL	1,443	\$330,934,475	1,459	\$337,897,030	1,577	\$342,652,219	1,592	\$369,600,781	1,589	\$389,690,353

* 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, 2020 - June 30, 2021

GOVERNMENT AGENCY OR DEPARTMENT	# of Awards**	Direct Costs (Operating)	Subaward (Operating)	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NSF	411	29,833,118	16,348,871	5,296,529	946,386	14,149,402	66,574,307
NIH	264	29,973,225	4,412,327	3,389,547	2,030,895	16,618,384	56,424,379
DOE	127	12,648,915	1,929,676	143,261	1,012,353	6,839,664	22,573,869
NASA	110	5,825,436	4,988,530	340,267	85,938	2,854,509	14,094,680
DOD-DARPA	38	5,085,580	1,643,387	345	425,030	2,727,071	9,881,413
DOC - NOAA	11	5,985,652	0	0	1,903,359	1,654,547	9,543,558
DOD-ARMY	32	3,275,225	1,740,459	273,673	291,717	1,439,114	7,020,188
DOD-NAVY	39	2,775,916	708,682	4,270	949,760	1,410,914	5,849,543
DOD-AF	44	2,731,429	986,660	174,306	224,489	1,569,238	5,686,122
NI (IARPA)	2	1,361,655	0	0	177,032	717,484	2,256,172
OTHER DOD	10	507,386	36,957	1,060,570	0	315,103	1,920,015
STATE DEPT	3	1,344,749	227,021	0	4,608	134,894	1,711,272
USDA	4	335,683	234,046	0	0	182,104	751,833
OTHER GOVT.***	7	209,103	0	28,856	0	120,762	358,720
STATE OF NEW JERSEY	10	201,077	0	82,100	0	(2,032)	281,145
NEH	2	109,312	7,056	4,000	0	20,635	141,003
NHPRC	2	116,100	3,929	0	0	0	120,029
IMLS	2	116,299	0	0	0	0	116,299
DOD-DSCA	1	52,131	0	0	0	32,321	84,452
DOD-DTRA	1	0	(107,460)	0	0	0	(107,460)
TOTAL GOVERNMENT	1,120	\$102,487,991	\$33,160,142	\$10,797,724	\$8,051,569	\$50,784,114	\$205,281,539
FOUNDATION	270	\$26,573,385	\$1,757,684	\$1,065,691	\$1,429,131	\$2,827,899	\$33,653,788
INDUSTRIAL	121	\$8,966,211	\$10,388	\$16,500	\$96,100	\$4,028,247	\$13,117,445
PRIVATE/OTHER	77	\$2,912,009	\$238,779	\$319,481	0	\$412,557	\$3,882,826
TOTAL MAIN CAMPUS	1,588	\$140,939,596	\$35,166,992	\$12,199,395	\$9,576,799	\$58,052,817	\$255,935,599
PPPL DOE PRIME CONTRACT	1	\$131,524,022	\$0	\$73,077	(\$393,762)	\$2,551,417	\$133,754,754
TOTAL CAMPUS / PPPL	1,589	\$272,463,618	\$35,166,992	\$12,272,473	\$9,183,037	\$60,604,234	\$389,690,353

* 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: CDC, DoED, DOI, DOT, FDA, DHS, NEA, & USGS

SECTION II

TABLE 6 - Section 1

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)**BY DEPARTMENT AND PRIME SPONSOR** (July 1, 2020 - June 30, 2021)

DEPARTMENT / PROGRAM	No. of Awards*	GRAND TOTAL EXPENDITURES	NIH		NSF		DOE		DoD AIR FORCE	
NATURAL SCIENCES	946	170,774	228	49,489	211	42,671	68	14,346	15	1,174
Applied & Computational Math	16	1,899	1	178	7	617			3	351
Astrophysical Sciences	139	20,943			23	4,965	23	2,188	4	191
Atmospheric & Oceanic Sciences	20	11,844			7	2,079	1	94		
Center for Statistics and Machine Learning	1	8					1	8		
Center for Theoretical Sciences	1	90								
Chemistry	135	20,364	25	4,875	13	1,445	16	6,235	3	38
Ecology & Evolutionary Biology	33	2,596	4	898	16	1,034			1	80
Geosciences	56	4,096			35	2,141	4	346		
High Meadows Environmental Institute (HME)	34	8,235			13	4,326	3	178		
Lewis-Siegler Institute	85	14,487	48	10,217	3	197	3	1,159		
Mathematics	54	3,826			36	2,526			2	481
Molecular Biology	138	19,190	76	13,164	6	1,409	1	800		
Physics	90	27,942	2	443	31	15,099	15	3,258	2	34
Princeton Inst for Computat'l Sci & Engin (PICSciE)	6	4,599			4	4,516	1	81		
Princeton Neuroscience Institute (PNI)	110	28,215	67	19,114	7	1,201				
Psychology	28	2,438	5	598	10	1,116				
ENGINEERING & APPLIED SCIENCES	489	61,185	25	4,114	164	17,709	58	8,113	28	4,343
Andlinger Ctr for Energy & Environment	50	6,489			11	598	18	2,869	2	94
Center for Information Technology Policy	1	86								
Chemical & Biological Engineering	54	6,134	11	1,985	11	724	6	924	2	1,046
Civil & Environ. Engineering	25	1,476	1	18	8	549	*	67		
Computer Science	91	11,822	9	1,082	49	5,878			1	3
Electrical and Computer Engineering	97	10,493			35	2,071	3	694	11	1,046
Mechanical & Aerospace Engineering	78	7,694	2	530	15	895	18	1,413	6	620
Oper. Res. & Financial Engineering	25	2,734	1	229	14	970	2	608	1	682
PRISM	68	14,256	1	269	21	6,024	11	1,539	5	852
HUMANITIES & SOCIAL SCIENCES	132	17,301	11	2,822	33	1,463	0	0	0	0
Anthropology	3	50			2	17				
Architecture School	3	378								
Art & Archaeology	1	0								
Center for Digital Humanities	2	103								
Data Driven Social Science	1	15								
East Asian Studies Program	1	24								
Economics	13	388			9	367				
French & Italian	1	6								
History	1	26								
Industrial Relations	1	34			1	34				
Jefferson Papers	3	220								
Linguistics	1	73			1	73				
Music	1	72			1	72				
Near Eastern Studies	1	18								
Politics	19	2,547			7	458				
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	397								
Religion	1	66								
Sociology	9	150			7	138				
School of Public & Int'l Affairs	42	7,945			3	263				
Population Research (SPI)	25	4,790	11	2,822	2	40				
Survey Research Center (SPI)	1	1								
NON-ACADEMIC	21	6,676	0	0	3	4,731	1	115	1	169
Art Museum	4	146								
Dean of the College (CBLI/McGraw Ctr)	1	10			1	10				
Dean of Undergraduate Students	1	0								
Graduate School	1	(1)								
Graduate School Fellowships	9	6,401			2	4,721	1	115	1	169
Health Services	1	9								
Library	3	13								
Office of Religious Life	1	98								
TOTAL, MAIN CAMPUS	1588	255,936	264	56,424	411	66,574	127	22,574	44	5,686
Plasma Physics Laboratory	1						1			
GRAND TOTAL	1589	255,936	264	56,424	411	66,574	128	22,574	44	5,686

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

Figures in () represent negative quantities, usually the result of adjustments to closed accounts.

***Other Govt: CDC, DoED, DHS, DOI, DOT, FDA, DHS, NEA, NEH, USDA, USGS

SECTION II

TABLE 6 - Section 2

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)**BY DEPARTMENT AND PRIME SPONSOR** (July 1, 2020 - June 30, 2021)

DEPARTMENT / PROGRAM	DoD NAVY		NASA		DoD ARMY		STATE OF NJ		DOC (NIST/NOAA)		DoD DARPA	
NATURAL SCIENCES	13	1,575	88	13,116	9	3,219	8	211	9	9,465	8	1,816
Applied & Computational Math	1	46			1	122						
Astrophysical Sciences			74	11,489								
Atmospheric & Oceanic Sciences			4	352					7	9,318		
Center for Statistics and Machine Learning												
Center for Theoretical Sciences			1	90								
Chemistry	3	415			3	675						
Ecology & Evolutionary Biology												
Geosciences	1	215	3	213	2	98						
High Meadows Environmental Institute (HME)			3	237					2	147		
Lewis-Siegler Institute							1	13			2	354
Mathematics												
Molecular Biology	1	61					4	149			1	432
Physics	5	357	3	735	1	1,750					4	885
Princeton Inst for Computat'l Sci & Engin (PICSciE)												
Princeton Neuroscience Institute (PNI)	2	481			2	573	1	51				
Psychology							2	(2)			1	145
ENGINEERING & APPLIED SCIENCES	24	4,213	22	979	21	3,523	1	40	2	79	30	8,065
Andlinger Ctr for Energy & Environment	2	21			1	(3)						
Center for Information Technology Policy							1	40				
Chemical & Biological Engineering												
Civil & Environ. Engineering			6	229	2	177			2	79		
Computer Science	3	669									5	1,758
Electrical and Computer Engineering	5	554	2	21	8	780					19	4,266
Mechanical & Aerospace Engineering	9	2,000	11	595	5	688						
Oper. Res. & Financial Engineering	1	6			1	50					1	32
PRISM	4	962	3	134	4	1,831					5	2,010
HUMANITIES & SOCIAL SCIENCES	2	62	0	0	0	0	0	0	0	0	0	0
Anthropology												
Architecture School												
Art & Archaeology												
Center for Digital Humanities												
Data Driven Social Science												
East Asian Studies Program												
Economics												
French & Italian												
History												
Industrial Relations												
Jefferson Papers												
Linguistics												
Music												
Near Eastern Studies												
Politics												
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)												
Religion												
Sociology												
School of Public & Int'l Affairs	2	62										
Population Research (SPI)												
Survey Research Center (SPI)												
NON-ACADEMIC	0	0	0	0	2	278	1	30	0	0	0	0
Art Museum							1	30				
Dean of the College (CBLI/McGraw Ctr)												
Dean of Undergraduate Students												
Graduate School												
Graduate School Fellowships					1	269						
Health Services					1	9						
Library												
Office of Religious Life												
TOTAL, MAIN CAMPUS	39	5,850	110	14,095	32	7,020	10	281	11	9,544	38	9,881
Plasma Physics Laboratory												
GRAND TOTAL	39	5,850	110	14,095	32	7,020	10	281	11	9,544	38	9,881

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

Figures in () represent negative quantities, usually the result of adjustments to closed accounts.

***Other Govt: CDC, DoED, DHS, DOI, DOT, FDA, DHS, NEA, NEH, USDA, USGS

SECTION II

TABLE 6 - Section 3

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)**BY DEPARTMENT AND PRIME SPONSOR** (July 1, 2020 - June 30, 2021)

DEPARTMENT / PROGRAM	DTRA/DSCA/ Other DoD	DoED	NATL INTELL./ IARPA	STATE DEPT	OTHER GOVT***	GOVERNMENT	
NATURAL SCIENCES	6 730	0 0	2 2,256	0 0	4 771	669	140,839
Applied & Computational Math						13	1,313
Astrophysical Sciences						124	18,832
Atmospheric & Oceanic Sciences						19	11,842
Center for Statistics and Machine Learning						1	8
Center for Theoretical Sciences						1	90
Chemistry						63	13,684
Ecology & Evolutionary Biology						21	2,013
Geosciences					1 84	46	3,097
High Meadows Environmental Institute (HME)					3 688	24	5,576
Lewis-Siegler Institute			1 183			58	12,123
Mathematics						38	3,006
Molecular Biology	3 344					92	16,358
Physics	3 386					66	22,948
Princeton Inst for Computat'l Sci & Engin (PICSciE)						5	4,597
Princeton Neuroscience Institute (PNI)			1 2,073			80	23,494
Psychology						18	1,857
ENGINEERING & APPLIED SCIENCES	3 106	0 0	0 0	0 0	6 311	384	51,595
Andlinger Ctr for Energy & Environment					1 53	35	3,633
Center for Information Technology Policy						0	0
Chemical & Biological Engineering	1 58				1 176	33	4,953
Civil & Environ. Engineering	1 156				2 81	22	1,356
Computer Science						67	9,391
Electrical and Computer Engineering					1 0	84	9,431
Mechanical & Aerospace Engineering					1 0	67	6,742
Oper. Res. & Financial Engineering						21	2,577
PRISM	1 (107)					55	13,513
HUMANITIES & SOCIAL SCIENCES	0 0	0 0	0 0	2 1,711	4 261	52	6,319
Anthropology						2	17
Architecture School						0	0
Art & Archaeology						0	0
Center for Digital Humanities					1 41	1	41
Data Driven Social Science						0	0
East Asian Studies Program						0	0
Economics						9	367
French & Italian						0	0
History						0	0
Industrial Relations						1	34
Jefferson Papers					3 220	3	220
Linguistics						1	73
Music						1	72
Near Eastern Studies						0	0
Politics				2 1,711		9	2,170
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)						0	0
Religion						0	0
Sociology						7	138
School of Public & Int'l Affairs						5	325
Population Research (SPI)						13	2,862
Survey Research Center (SPI)						0	0
NON-ACADEMIC	2 1,061	1 29	0 0	1 0	3 116	15	6,528
Art Museum					3 116	4	146
Dean of the College (CBLI/McGraw Ctr)						1	10
Dean of Undergraduate Students				1 0		1	0
Graduate School						0	0
Graduate School Fellowships	2 1,061	1 29				8	6,363
Health Services						1	9
Library						0	0
Office of Religious Life						0	0
TOTAL, MAIN CAMPUS	11 1,897	1 29	2 2,256	3 1,711	17 1,459	1120	205,282
Plasma Physics Laboratory						1	0
GRAND TOTAL	11 1,897	1 29	2 2,256	3 1,711	17 1,459	1121	205,282

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

Figures in () represent negative quantities, usually the result of adjustments to closed accounts.

***Other Govt: CDC, DoED, DHS, DOI, DOT, FDA, DHS, NEA, NEH, USDA, USGS

SECTION II

TABLE 6 - Section 4

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2020 - June 30, 2021)

DEPARTMENT / PROGRAM	FOUNDATIONS		INDUSTRY		PRIVATE/ OTHER	
NATURAL SCIENCES	166	20,502	73	7,800	38	1,634
Applied & Computational Math	3	586				
Astrophysical Sciences	9	1,194	2	501	4	416
Atmospheric & Oceanic Sciences	1	2				
Center for Statistics and Machine Learning						
Center for Theoretical Sciences						
Chemistry	18	2,449	50	4,147	4	84
Ecology & Evolutionary Biology	8	433	1	16	3	133
Geosciences	7	809	2	145	1	45
High Meadows Environmental Institute (HME)	5	377	3	2,089	2	194
Lewis-Siegler Institute	15	1,617	6	362	6	386
Mathematics	15	820			1	0
Molecular Biology	30	2,046	8	540	8	246
Physics	19	4,891			5	103
Princeton Inst for Computat'l Sci & Engin (PICSciE)	1	3				
Princeton Neuroscience Institute (PNI)	27	4,712	1	(0)	2	10
Psychology	8	563			2	18
ENGINEERING & APPLIED SCIENCES	36	2,876	48	5,318	21	1,396
Andlinger Ctr for Energy & Environment	5	798	8	2,019	2	38
Center for Information Technology Policy					1	86
Chemical & Biological Engineering	12	497	4	229	5	455
Civil & Environ. Engineering	1	11	2	110		
Computer Science	10	957	8	1,086	6	389
Electrical and Computer Engineering	2	43	7	684	4	335
Mechanical & Aerospace Engineering	2	119	7	745	2	88
Oper. Res. & Financial Engineering	1	94	3	63		
PRISM	3	356	9	383	1	4
HUMANITIES & SOCIAL SCIENCES	62	10,128	0	0	18	853
Anthropology	1	33				
Architecture School	2	328			1	50
Art & Archaeology	1	0				
Center for Digital Humanities	1	62				
Data Driven Social Science	1	15				
East Asian Studies Program	1	24				
Economics	4	21				
French & Italian					1	6
History	1	26				
Industrial Relations						
Jefferson Papers						
Linguistics						
Music						
Near Eastern Studies					1	18
Politics	6	371			4	6
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	397				
Religion	1	66				
Sociology	2	11				
School of Public & Int'l Affairs	28	7,035			9	585
Population Research (SPI)	10	1,739			2	188
Survey Research Center (SPI)	1	1				
NON-ACADEMIC	6	148	0	0	0	0
Art Museum						
Dean of the College (CBLI/McGraw Ctr)						
Dean of Undergraduate Students						
Graduate School	1	(1)				
Graduate School Fellowships	1	38				
Health Services						
Library	3	13				
Office of Religious Life	1	98				
TOTAL, MAIN CAMPUS	270	33,654	121	13,117	77	3,883
Plasma Physics Laboratory						
GRAND TOTAL	270	33,654	121	13,117	77	3,883

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

Figures in () represent negative quantities, usually the result of adjustments to closed accounts.

***Other Govt: CDC, DoED, DHS, DOI, DOT, FDA, DHS, NEA, NEH, USDA, USGS

SECTION II
TABLE 7
FY2021 SPONSOR INVENTORY

Sponsor/Agency	Expenditures
Abbvie Foundation	\$54,470
AI4ALL	\$1,500
Air Force Institute of Technology - OH	\$168,980
Air Force Office of Scientific Research	\$5,294,474
Air Force Research Laboratory (Rome)	\$188,960
Air Force Research Laboratory (WPAFB)	\$33,708
Air Liquide	\$13,686
Alexander von Humboldt Foundation	\$81,857
Alfred P. Sloan Foundation	\$844,739
Alibaba Cloud (Singapore) Private Ltd	\$39,201
American Cancer Society, Inc. (ACS)	\$110,850
American Chemical Society	\$113,389
American Council of Learned Societies	\$62,214
American Heart Association	\$47,491
American Physical Society	\$1,340
American Political Science Association	\$484
Amgen, Inc.	\$8,366
Annie E. Casey Foundation	\$174,167
Ansys, Inc.	\$9,367
Apple Inc.	\$10,675
Ara Parseghian Medical Research Fund	\$116,975
Army Corps of Engineers	\$60,248
Army Medical Research & Materiel Command	\$8,521
Army Research Office - NC	\$6,627,569
Arnold and Mabel Beckman Foundation	\$270,338
Bernard & Anne Spitzer Charitable Trust	\$24,693
Bernard van Leer Foundation	\$42,308
Beyond Conflict	\$14,665
Bill & Melinda Gates Foundation	\$1,450,498
BlueGreen Alliance	\$34,536
BP International Limited	\$2,088,995
Brain and Behavior Research Foundation	\$23,407
Brain Research Foundation	\$3,588
Breast Cancer Research Foundation	\$226,113
Bristol Myers Squibb Company - NJ	\$499,021
Bristol Myers Squibb Company - NY	\$220,575
C3.ai Digital Transformation Institute	\$448,899
California Life Company	\$118,000

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Canadian Institute for Advanced Research	\$35,786
Carnegie Corporation of New York	\$544,655
Carnegie Endowment for Int'l Peace	\$7,075
Catholic Relief Services	\$2,185
Celgene Corporation	-\$46,157
Centers for Disease Control & Prevention	\$46,880
Centre for Economic Policy Research	\$2,935
Chan Zuckerberg Initiative	\$35,179
Chanel S.A.	-\$46,915
Charles Schwab Charitable Fund	\$71,194
CHDI Foundation, Inc.	\$265,255
Colgate-Palmolive Co.	\$21,306
Commonwealth Fusion Systems	\$3,240
Community Energy, Inc.	\$118,333
Cystinosis Research Foundation	\$61,639
Damon Runyon Cancer Research Foundation	\$280,106
Defense Advanced Research Projects Agency	\$9,881,413
Defense Security Cooperation Agency	\$84,452
Defense Threat Reduction Agency	-\$107,460
Democracy Fund	\$130,546
Department of Defense	\$1,920,015
DOE - Chicago	\$7,562,330
DOE - Germantown	\$724,369
DOE - Morgantown	\$22,799
DOE - National Nuclear Security Admin	\$1,377,005
DOE - National Renewable Energy Lab - WV	\$13,861
DOE - Oak Ridge	\$145,989
DOE - Pittsburgh NETL	\$49,328
DOE - Washington	\$11,254,391
DOE Advanced Res Projects Agency - Energy	\$1,195,961
DOE- Golden Field Office	\$104,406
DOE Office of Fossil Energy	\$14,405
Edward Mallinckrodt Jr. Foundation	\$64,391
Eli Lilly and Company	\$124,605
ETH Zurich	\$7,295
European Climate Foundation	\$28,688
European Research Council	\$48,402
Evolving Earth Foundation	\$4,845
ExxonMobil Research and Engineering Co.	\$1,389,644
F. Hoffmann-La Roche Ltd.	\$97,559

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Facebook Technologies, LLC	\$513,534
Fidelity Charitable Gift Fund	-\$2,109
Firmenich SA	\$0
Focal-JMLab	\$172,173
Foundation for Child Development	\$10,230
Foundation for Health Advancement	\$4,000
Freeman Foundation	\$24,193
Futures Action Network, LLC	\$442,183
GCRLE	\$271,373
Genentech, Inc.	\$400,321
General Fusion Inc.	\$59,305
Genmab US, Inc.	\$246,730
Gordon and Betty Moore Foundation	\$3,901,377
GPB Scientific, Inc.	\$265,312
Guardian Capital Management Ltd	\$146,012
Habitat for Humanity International	\$17,842
Heising-Simons Foundation	\$289,397
Helen Hay Whitney Foundation	\$174,287
Helmsley Charitable Trust	\$80,859
Howard Hughes Medical Institute	\$1,141,510
Human Frontier Science Prog Org (HFSP)	\$237,758
Int Human Frontier Sci Prog Org (IHFSPO)	\$51,022
Intel Corporation - CA	\$260,280
Intell. Advanced Rsrch Projects Activity	\$2,256,172
International Balzan Foundation	\$66,673
Intl Business Machines Corp. (IBM)	\$16,500
Intl Society for Transgenic Technologies	\$1,550
J. Paul Getty Trust	\$11,168
Jack Miller Center	\$1,089
James S. McDonnell Foundation	\$307,100
Jane Coffin Childs Mem. Fund/Med. Resr.	\$2
Janssen Research & Development, LLC	\$1,158,419
Jnana Therapeutics	\$10,821
Kavli Institute for Physics & Mathematics	\$414,446
Keck Foundation (The W. M.)	\$323,625
King Abdullah Univ of Science and Tech	\$217,776
Life Sciences Research Foundation	\$56,333
L'Oreal USA	\$155,558
Los Alamos National Laboratory	\$109,024
Lung Biotechnology PBC	\$51,776

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Masason Foundation	\$42,753
Max-Planck-Gesellschaft	\$34,782
Mercatus Center	\$47,934
Mercedes-Benz AG	\$19,899
Merck & Co., Inc.	\$1,529,646
METAvisor Research & Support, Inc.	\$112,980
Metropolitan Council	\$191,665
Mitutoyo Corporation	\$0
Momenta Foundation	\$10,000
NASA Ames Research Center	\$62,924
NASA Goddard Space Flight Center	\$482,337
NASA Headquarters - Washington	\$13,517,847
NASA Langley Research Center	-\$2,493
NASA Shared Services Center	\$34,064
National Endowment for the Arts	\$0
National Endowment for the Humanities	\$141,003
National Institutes of Natural Sciences	\$52,920
National Philanthropic Trust	\$97,198
National Reconnaissance Office	\$0
Naval Air Warfare Center Aircraft Div	\$23,822
Naval Medical Research Center	\$60,813
Naval Sea Systems Command	\$32,279
Navy - Other	\$204,945
Nestle Purina PetCare Co.	\$15,940
Netherlands Org for Scientific Rsrch	\$91,788
New Jersey Governor's Council on Autism	\$51,199
New Jersey Health Foundation, Inc.	\$112,504
New Objective Inc.	\$86,127
New Venture Fund	\$444,577
New-Land Foundation	\$35,675
NIH - National Institutes of Health	\$3,217,935
NIH NCATS	\$541,227
NIH NCI	\$2,807,478
NIH NEI	\$380,044
NIH NHGRI	\$905,032
NIH NHLBI	\$1,378,069
NIH NIA	\$1,587,844
NIH NIAID	\$3,756,727
NIH NIAMS	\$1,010,593
NIH NIBIB	\$855,214

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
NIH NICHD	\$4,903,412
NIH NIDA	\$883,311
NIH NIDDK	\$2,450,649
NIH NIEHS	\$698,071
NIH NIGMS	\$15,063,480
NIH NIMH	\$10,024,638
NIH NIMHD	\$599,004
NIH NINDS	\$3,543,978
NIH Office of the Director	\$1,817,672
NJ Commission on Brain Injury Research	\$30,000
NJ Commission on Cancer Research	\$171,978
NJ Dept of Human Services	-\$2,032
NJ State Council on the Arts	\$30,000
NOMIS Foundation	\$501,403
NSF - National Science Foundation	\$66,574,307
Ntl Historical Pubs. and Records Comm	\$120,029
Ntl Institute of Food and Agriculture	\$640,728
Office of Naval Research - MA	\$5,527,684
One Concern, Inc.	-\$4
Open Society Foundations	\$396,825
Open Technology Fund	\$39,684
Optimeos Life Sciences, LLSC	\$97,667
Pew Scholars Prog in the Biomedical Sci	\$121,715
Pfizer Inc.	\$186,325
PhRMA Foundation	\$0
PlanetLab	\$125,152
pSemi Corporation	\$67,690
Public Service Electric and Gas Company	\$28,677
RepresentUs	\$100,006
Research Corporation	\$23,691
Research Executive Agency	\$22,387
Robert Wood Johnson Foundation	\$4,733,244
Rockefeller Brothers Fund, Inc.	\$102,451
Russell Sage Foundation	-\$57,434
Rutgers Cancer Institute of New Jersey	\$64,230
SAMSUNG Electronics - Korea	\$463,746
Samuel H. Kress Foundation	\$13,100
Schmidt Futures	\$568,911
Searle Scholars Program	\$195,925
Semiconductor Research Corporation	\$789,492

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
Shandong Lutai Holding Co., Ltd.	\$0
Shell Oil Company	\$150,483
Sidney Kimmel Fdn for Cancer Research	\$651
Siemens Corporation - NY	\$9,294
Siemens Corporation, Corporate Tech - NJ	\$29,327
Silicon Valley Community Foundation	\$82,788
Smith Richardson Foundation, Inc.	\$62,590
Social Science Research Council	\$49,711
Social Sciences & Humanities Res Council	\$15,337
Society for Developmental Biology, Inc.	\$3
SPH Sine Pharmaceutical Labs Co., Ltd.	\$121,516
St. Jude's Children Research Hospital	\$382,939
Stand up to Cancer	-\$6,935
Swiss National Science Foundation	\$55,110
Syncrude Canada Ltd.	\$61,937
Templeton Religion Trust	\$33,000
Templeton World Charity Foundation, Inc.	\$121,128
Tesla Motors Inc.	\$271,935
The Andrew W. Mellon Foundation	\$327,578
The Barer Institute	\$40,204
The Bonnie J. Addario Lung Cancer Fdn	\$41,064
The Burroughs Wellcome Fund	\$271,851
The Camille and Henry Dreyfus Fdn., Inc.	\$26,732
The David and Lucile Packard Foundation	\$617,273
The French Institute	\$6,010
The Henry Luce Foundation, Inc.	\$97,878
The Insulin Club, Inc.	\$81,390
The John D. & Catherine T. MacArthur Fdn	\$832,706
The John Templeton Foundation	\$1,519,114
The JPB Foundation	\$456,514
The Kavli Foundation	\$18,230
The Laura and John Arnold Foundation	\$457,803
The Lynde and Harry Bradley Fdn., Inc.	\$100,000
The Nature Conservancy	\$16,390
The New York Stem Cell Foundation	\$456,064
The Nicholson Foundation	\$99,355
The Orphiflamme Foundation	\$25,516
The Paul G Allen Family Foundation	\$649,114
The Pew Charitable Trusts	-\$5,381
The ROCKWOOL Foundation	\$69,586

TABLE 7 (Cont.)

Sponsor/Agency	Expenditures
The Simons Foundation	\$8,253,079
The Spencer Foundation	\$25,617
The Susan G. Komen Breast Cancer Fdn.	\$224,599
The Swartz Foundation	\$142,290
The Teagle Foundation	-\$584
The Thomas W. Smith Foundation	\$189,885
The Vallee Foundation Inc.	\$29,128
The Weiss Fund for Res in Devl Economics	\$11,298
The William & Flora Hewlett Foundation	\$80,592
Thrive+ Health Inc.	\$69,626
TOTAL E&P Research & Technology USA, LLC	\$145,076
Toyota Research Inst of North America	\$43,328
Trumpf Photonics, Inc.	\$9,685
U.S Embassy Stockholm	\$0
U.S. Army Command & General Staff Coll	\$269,450
U.S. Army Contracting Command - MD	-\$2,544
U.S. Department of Education	\$28,856
U.S. Department of Homeland Security	\$0
U.S. Department of State	\$1,711,272
U.S. Department of Transportation	\$23,050
U.S. Dept of Agriculture	\$111,105
U.S. DOC - Natl Oceanic & Atmos Admin	\$9,543,558
U.S. Food and Drug Administration	\$176,351
U.S. Inst of Museum & Library Services	\$116,299
U.S.-Israel Binational Science Fdn.	\$83,213
United Nations Development Programme	\$73,281
Universal Display Corporation	\$131,071
US Army Rsrch, Dev & Engineering Command	\$56,945
USGS Flagstaff Science Campus	\$83,583
VolkswagenStiftung	\$5,719
Washington Center for Equitable Growth	\$3,914
William T. Grant Foundation	\$18,045
Wizard Forms (RoomSage)	\$0
YRC Worldwide Inc.	\$49,495
GRAND TOTAL	\$255,935,599