



University of
Connecticut

Vice President for Research
Office for Sponsored Programs



2010 REPORT
of
SPONSORED PROJECT ACTIVITY

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University of Connecticut
Office for Sponsored Programs
Report of Sponsored Activity, Fiscal Year 2010

This report has been prepared by the Office of Sponsored Programs (OSP Storrs) to assist the University community in assessing the results of all sponsored activities. The major source of external support continues to be the federal government. In addition, the State of Connecticut and its subdivisions in particular, as well as corporations, non-profit entities, private foundations, and other colleges and universities are significant sponsors. Sponsored activities can be for research and non-research endeavors. Examples of non-research endeavors include training and public service. The bulk of sponsored activities are dedicated to research endeavors.

In the pages that follow are the three measures commonly used by universities to assess research efforts, in addition to F & A recovery tables:

- 1) Proposal submissions in a given fiscal year to all outside sponsors,
- 2) Awards received in a given fiscal year from all outside sponsors,
- 3) Expenditures for both direct and indirect costs made during a given fiscal year on all sponsored projects.

An analysis of new proposal submissions and of the sponsoring agencies to which proposals are submitted can indicate the research propensity and interests of the Faculty and the priorities of the sponsors solicited. These data can also help calibrate the effort expended in various units to secure external support.

The remaining data all relate to dollars allocated ('awards') or spent ('expenditures'). The 'award' establishes a budget and gives the researcher authority to spend money in support of their research. Some awards come as a lump sum in one year. Funds for a multi-year grant are usually made available over multiple years. In these cases, a new award is counted as each new budget period begins. For example, a three year grant for \$75,000 may be awarded in three, \$25,000 periodic increments. An award of \$25,000 would be made in each period of the project. Each project period award made would be counted in the university's fiscal year in which it was made.

Expenditures measure the amount that has been spent (and collected via 'cash management') on sponsored research efforts. Revenue to the university from sponsored activities cannot be measured until work is performed and expenses are charged against a grant. The sponsoring agency is then billed for both the direct costs of the research and the portion of the indirect costs incurred by the university in its support of research.

Award and expenditure data are reported by department and by center. "Awards and Expenditures by Department" reports credit the primary investigator's academic department with the award or expenditure. Where the primary investigator does not have an academic department, the award or expenditure is credited to the center. "Awards and Expenditures by Center" reports credit the department or organizational unit that has fiscal responsibility for the account.

FY 2010 Annual Report Executive Summary

For FY10, there were 1563 proposals submitted from the University of Connecticut-Storrs. The number of overall submissions remained essentially unchanged from the prior year. Federal proposal activity continued to set new records, boosted by the acceleration in activity under the American Recovery and Reinvestment Act (ARRA aka “Recovery Act”). The number of federal proposals at 1177 increased 4.6% from FY09 levels, also reflecting a continuing response to (year 2) of the American Recovery and Reinvestment Act. The total amount requested exceeded \$660M, an 8.7% overall increase from FY09.

Awards to the University have increased 9% since FY09 to \$131.3M. This increase in funding was partly attributable to the enhanced funding opportunities of the ARRA. The ARRA awards to Storrs campus totaled \$17.7M through close of FY 10. The portfolio expansion marks the continuation of a significant upturn in the growth of the extramural awards at the University. Since FY 06, both extramural proposals and awards have increased over 40%.

Federal awards at \$110.4M represented 84% of overall sponsored funding received in FY10. Federal awards were up by 17.8% vs. FY09. The growth in federal portions of the portfolio is attributable to healthy increases from the prior year. The Department of Health & Human Services (\$29.2M, 26.5%) provided the largest share of federal funding at Storrs, up 9.3% vs. FY09. The National Science Foundation (NSF) provided the second largest share of federal funding (\$25.1M, 22.7%), with the Department of Education (US Ed) (\$8.5M, 7.7%), and the Department of Defense (DOD) (\$10.1M, 9.1%) sectors growing as well.

The non-federal portions of the portfolio representing 16% of the total actually declined by 23% compared to the prior year. This reflects a variety of economic factors, foremost the funding stress on State of Connecticut government agencies that historically support higher education, research and public service. Other non-federal funding at \$10.5M declined modestly from the FY09 level.

Expenditures for FY10 totaled \$108.3M, with the federal portion at \$85.0M, (78.5%) and non-federal expenditures of \$23.3M making up the balance. Compared to FY09, the federal portion increased 9.0% while the non-federal portion declined 2.5 %.

Federal Outlook

The immediate outlook for Federal FY11 and beyond may be constrained by larger federal budget challenges, counter-balanced by stated intents to double the funding level of NSF** and other selected federal basic science agencies over the next five-years. Congressional interests may preserve modest increases for both Defense and Homeland Security appropriations, but a final tally awaits Congressional resolution as late as winter 2011.*

*AAAS Budget analysis, Oct 5, 2010.

** Obama administration request for NSF FY11 up 8%, *AAU Weekly Wrap Up*, November 19, 2010

Proposals



PROPOSALS BY SPONSOR TYPE

Chart A-1. Number of Submitted Proposals by Sponsor Type FY2010*
(Number of proposals and percent)

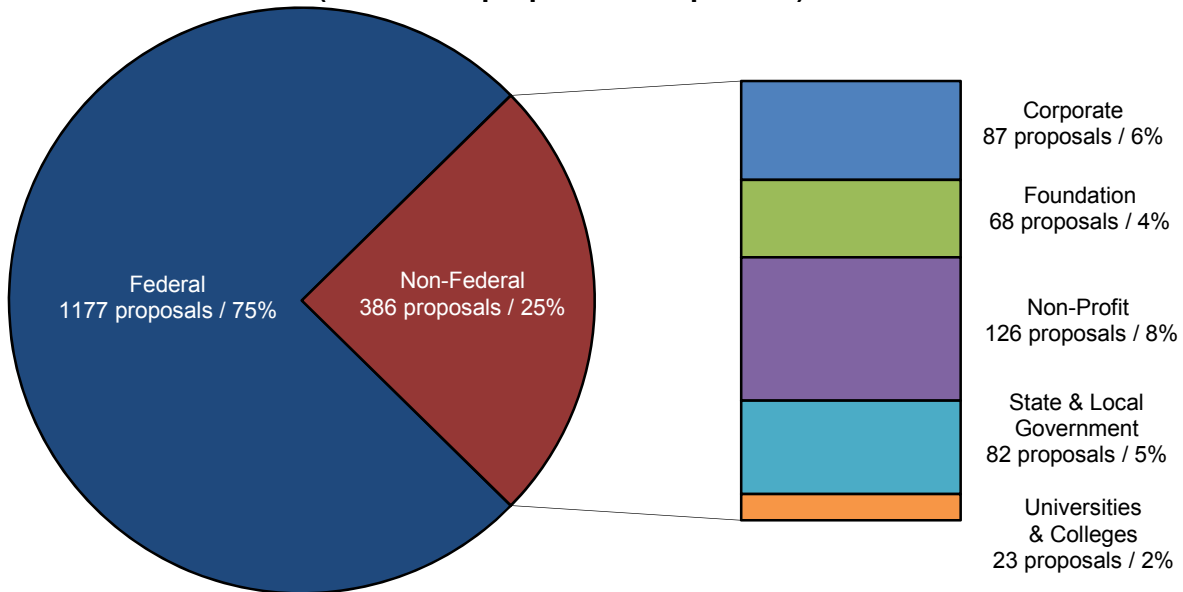
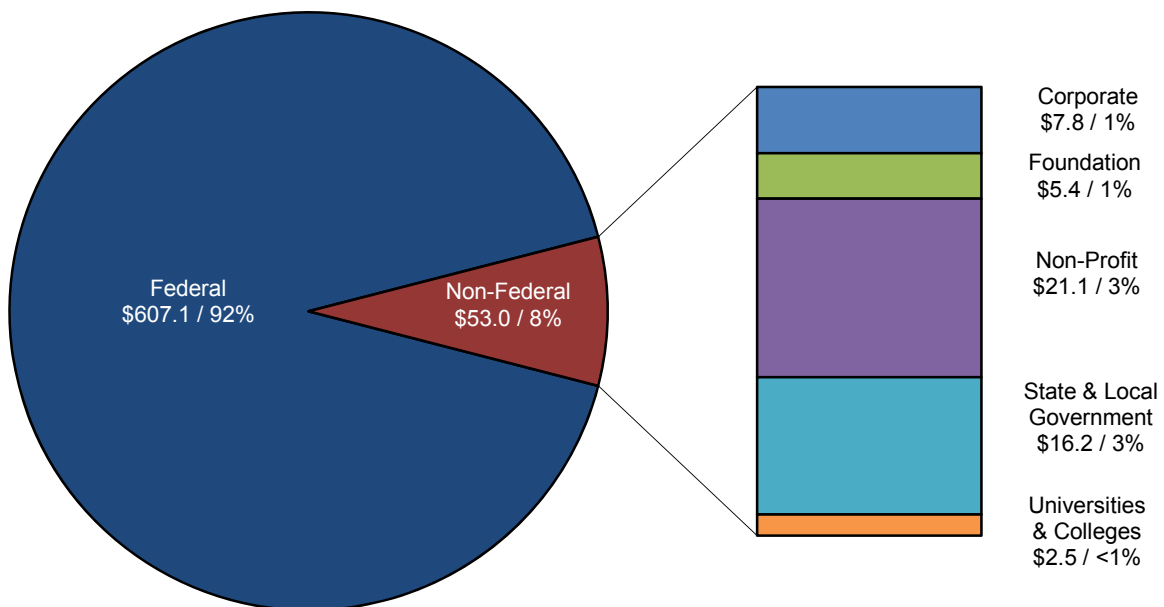


Chart A-2. Requested Amounts for Submitted Proposals by Sponsor Type FY2010*
(Total dollars in millions and percent)



* The numbers and amounts shown in Charts A-1 & A-2 reflect all years requested.

Table A-1. Submitted Proposals by Sponsor Type FY2010

	# Proposals	Requested Amount (millions)
Federal	1177	\$607.1
Corporate	87	\$7.8
Foundation	68	\$5.4
Non-Profit	126	\$21.1
State & Local Government	82	\$16.2
Universities & Colleges	23	\$2.5
	1563	\$660.1
FY2009 Total	(1562)	(\$606.9)

PROPOSALS BY TYPE

Table A-2. Submitted Proposals by Proposal Type FY2010

	# Proposals	Requested Amount (millions)
New	1263	\$556.3
Preproposal	24	\$56.6
Renewal	75	\$34.0
Continuation	86	\$6.9
Supplement	108	\$5.7
Transfer	7	\$0.6
	1563	\$660.1

PROPOSALS BY UNIT

**Chart A-3. Requested Amounts for Submitted Proposals by School FY2010
(Total dollars in millions and percent)**

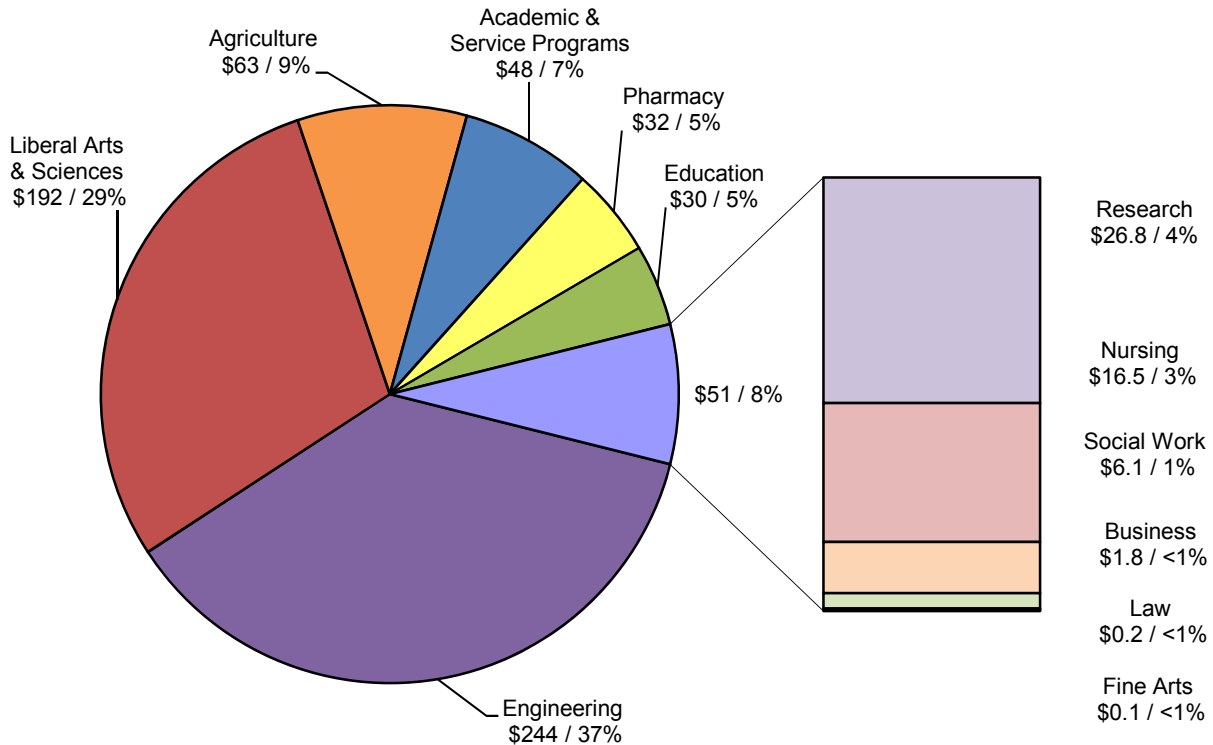


Table A-3. Submitted Proposals by School & Department FY2010

	Total of Requested Budgets (all years)	Number of Proposals	Number of Individual PI's with Proposals	Average Amount Requested per Proposal
Agricultural and Resource Economics	\$1,547,670	10	5	\$154,767
Agriculture and Natural Resources Dean	\$1,836,883	7	1	\$262,412
Allied Health Sciences	\$17,049,566	19	6	\$897,346
Animal Science	\$5,709,786	16	9	\$356,862
Extension	\$8,639,227	54	23	\$159,986
Natural Resources and the Environment	\$3,631,688	19	9	\$191,141
Nutritional Sciences	\$2,625,433	17	6	\$154,437
Pathobiology and Veterinary Science	\$11,325,040	19	9	\$596,055
Plant Science	\$9,666,824	44	16	\$219,701
Ratcliffe Hicks School of Agriculture	\$475,000	1	1	\$475,000
College of Agriculture & Natural Resources	\$62,507,117	206	85	\$303,433
Anthropology	\$1,037,587	11	5	\$94,326
Chemistry	\$47,525,534	89	22	\$533,995
Communication Sciences	\$1,711,100	12	6	\$142,592
Connecticut Writing Project	\$56,000	2	1	\$28,000
Ecology and Evolutionary Biology	\$11,761,938	43	20	\$273,533
Economics	\$1,286,949	9	3	\$142,994
Geography	\$1,436,960	8	5	\$179,620
History	\$87,312	2	2	\$43,656
Human Dev/Family Studies	\$3,141,625	12	8	\$261,802
Linguistics	\$953,752	2	2	\$476,876
Marine Sciences	\$23,958,854	104	22	\$230,374
Mathematics	\$5,802,350	25	19	\$232,094
Molecular and Cell Biology	\$41,803,393	72	24	\$580,603
Physics	\$7,681,471	26	15	\$295,441
Physiology and Neurobiology	\$17,802,776	27	11	\$659,362
Political Science	\$1,472,242	5	4	\$294,448
Psychology	\$20,522,403	58	24	\$353,835
Public Policy	\$166,008	2	2	\$83,004
Sociology	\$718,975	3	3	\$239,658
Statistics	\$2,691,651	14	5	\$192,261
College of Liberal Arts & Sciences	\$191,618,880	526	203	\$364,294
Center on Post Secondary Education and Disability	\$222,122	2	2	\$111,061
Curriculum and Instruction	\$7,896,722	9	5	\$877,414
Education Office of Dean	\$1,040,796	4	3	\$260,199
Educational Leadership	\$31,570	3	2	\$10,523
Educational Psychology	\$16,121,950	28	14	\$575,784
Kinesiology	\$4,331,255	26	8	\$166,587
Physical Therapy	\$344,073	3	2	\$114,691
NEAG School of Education	\$29,988,488	75	36	\$399,847
Marketing	\$1,790,181	1	1	\$1,790,181
School of Business	\$1,790,181	1	1	\$1,790,181

Table A-3. Submitted Proposals by School & Department FY2010

	Total of Requested Budgets (all years)	Number of Proposals	Number of Individual PI's with Proposals	Average Amount Requested per Proposal
Center for Clean Energy Engineering	\$116,952	1	1	\$116,952
Chemical, Materials & Biomolecular Engr	\$92,938,475	129	25	\$720,453
Civil & Environmental Engineering	\$19,492,103	74	20	\$263,407
Computer Science & Engineering	\$40,128,487	56	15	\$716,580
Connecticut Transportation Institute	\$3,731,069	13	3	\$287,005
Electrical & Computer Engineering	\$33,211,554	86	22	\$386,181
Engineering Office of Dean	\$19,323,251	9	3	\$2,147,028
Mechanical Engineering	\$34,691,286	112	24	\$309,744
School of Engineering	\$243,633,177	480	113	\$507,569
School of Fine Arts	\$50,725	1	1	\$50,725
School of Law	\$193,831	3	3	\$64,610
School of Nursing	\$16,506,174	46	17	\$358,830
Pharmaceutical Sciences	\$21,515,229	55	15	\$391,186
Pharmacy Practice	\$10,979,969	12	5	\$914,997
School of Pharmacy	\$32,495,198	67	20	\$485,003
School of Social Work	\$6,087,443	31	7	\$196,369
Academic Affairs	\$44,993,736	3	1	\$14,997,912
Center for Continuing Studies	\$630,768	4	2	\$157,692
Division of Student Affairs	\$66,403	1	1	\$66,403
Hartford Campus	\$21,800	4	1	\$5,450
Human Rights Institute	\$26,950	2	1	\$13,475
Office of Multicultural and International Affairs	\$199,711	2	1	\$99,856
Public & Environmental Safety	\$0	1	1	\$0
Stamford Campus	\$1,726,853	11	2	\$156,987
Undergraduate Education	\$569,664	6	5	\$94,944
University Libraries	\$129,100	3	1	\$43,033
Women's Center	\$4,146	2	1	\$2,073
Academic & Service Programs	\$48,369,131	39	17	\$1,240,234
Center for Environmental Sciences and Engineering	\$2,552,758	5	1	\$510,552
Center for Health, Intervention and Prevention	\$4,234,002	12	4	\$352,834
Center for Regenerative Biology	\$1,462,787	4	2	\$365,697
Institute of Materials Science	\$7,487,687	29	6	\$258,196
National Undersea Research Center	\$3,499,325	8	2	\$437,416
Roper Center and Institute for Social Inquiry	\$62,000	1	1	\$62,000
Sea Grant College Program	\$7,074,800	25	4	\$282,992
Technology Incubation Program	\$434,960	4	1	\$108,740
Vice President for Research	\$26,808,319	88	21	\$304,640
Grand Total	\$660,048,664	1563	524	\$422,296

Awards



AWARDS BY SPONSOR TYPE

Chart B-1. Number of Awards by Sponsor Type FY2010*
(Number of awards and percent)

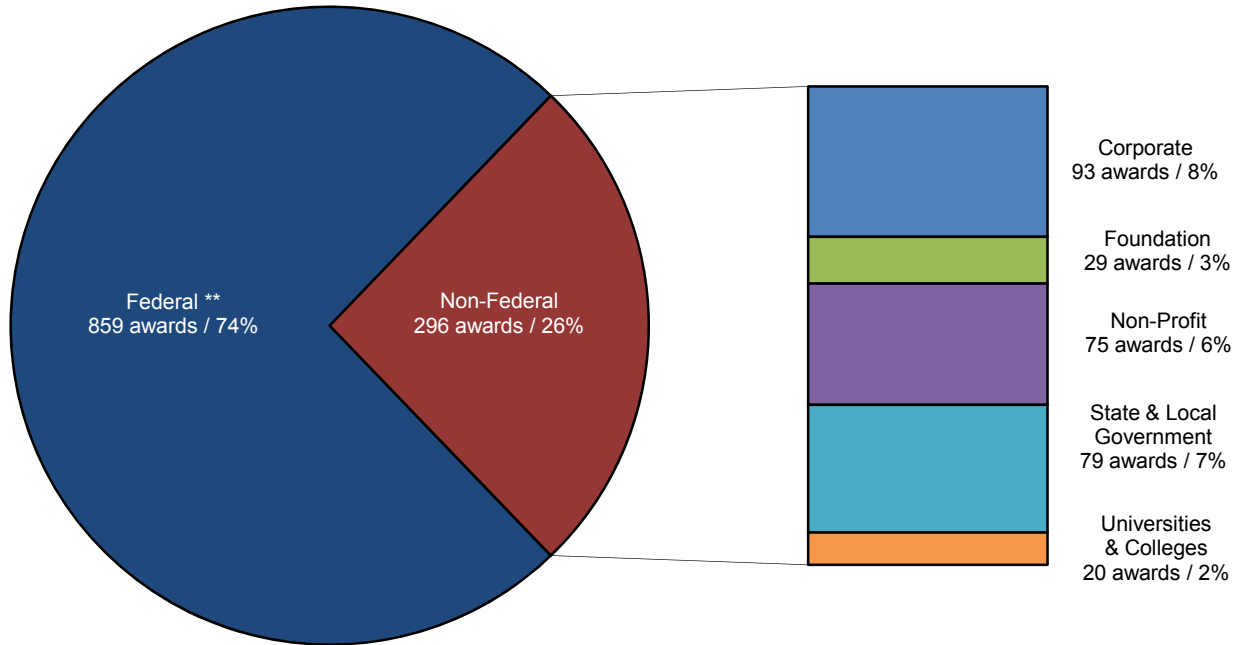
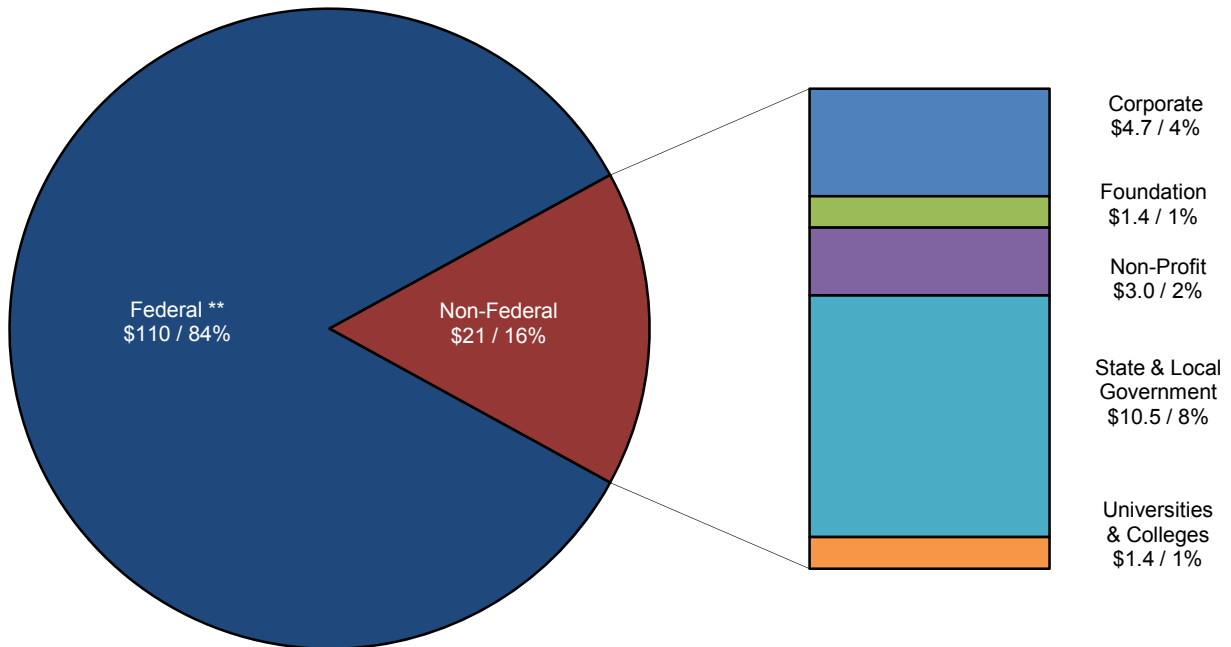


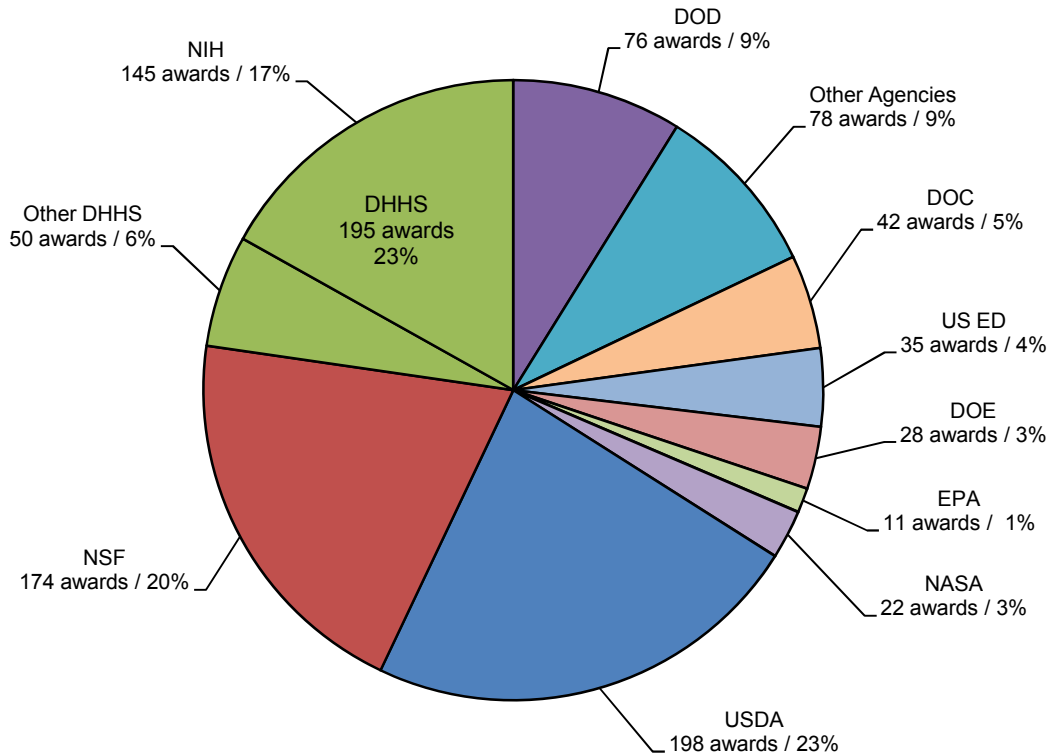
Chart B-2. Awarded Funds by Sponsor Type FY2010*
(Total dollars in millions and percent)



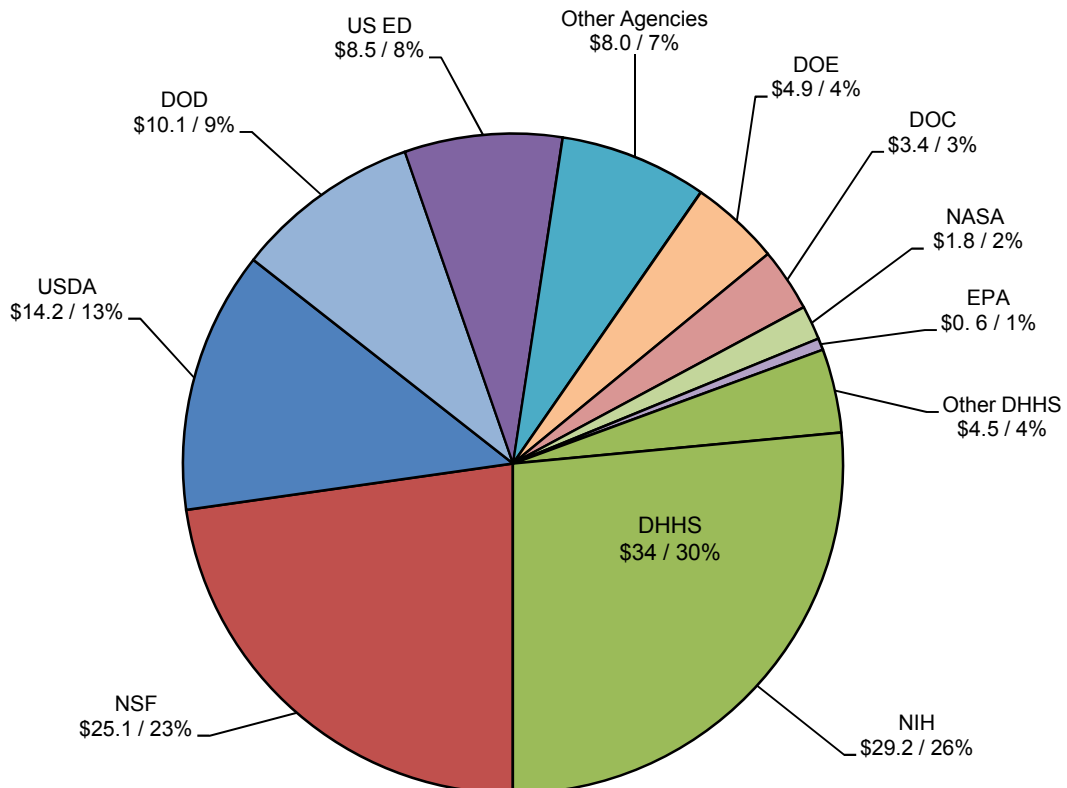
* Amounts shown include all funds received in Fiscal Year 2010 (July 1, 2009 - June 30, 2010) for new, renewal, continuation, and supplement awards. Multi-year awards are reported only in the fiscal year during which they are received.

** Federal awards include federal funds that pass through other entities to UCONN.

**Chart B-3. Number of Federal Awards by Agency FY2010
(Number of awards and percent)**



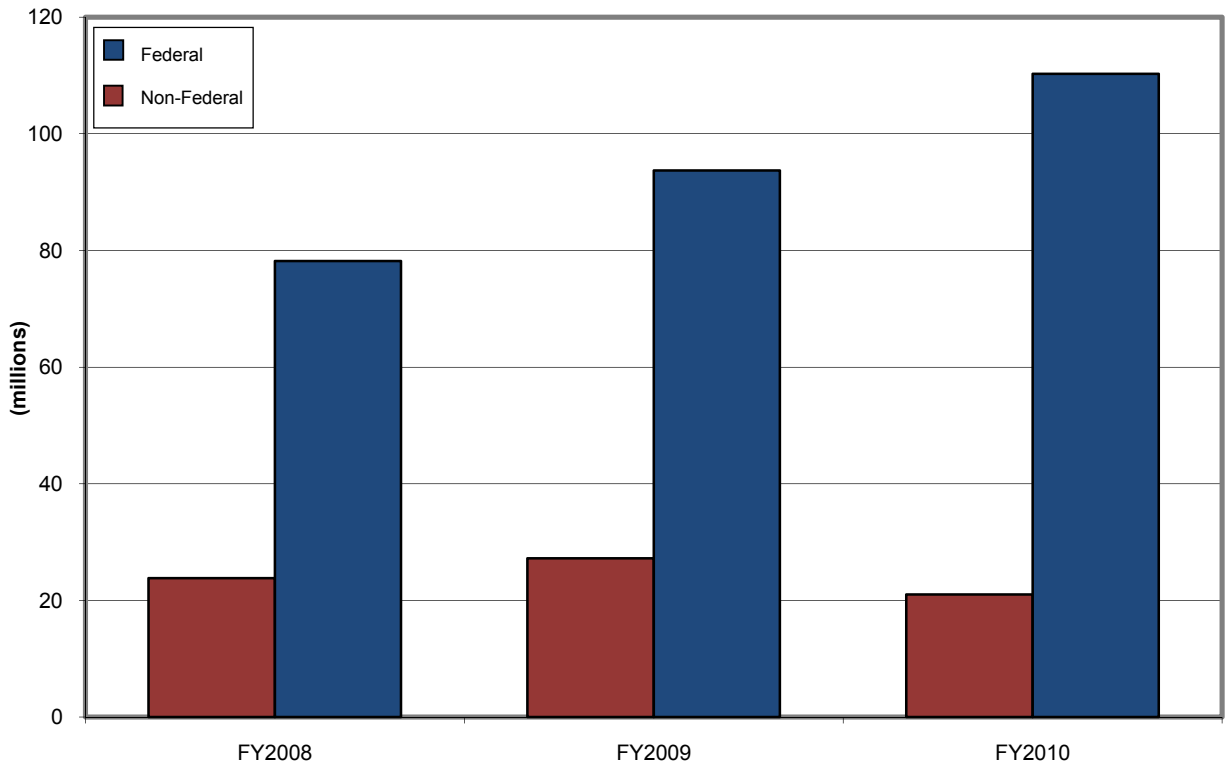
**Chart B-4. Federal Awards by Agency FY2010
(Total dollars in millions and percent)**



* USDA awards include formula funds (e.g. Smith-Lever and Hatch Act), which are distributed as individual awards to multiple PIs.

THREE-YEAR HISTORICAL COMPARISON OF AWARDS

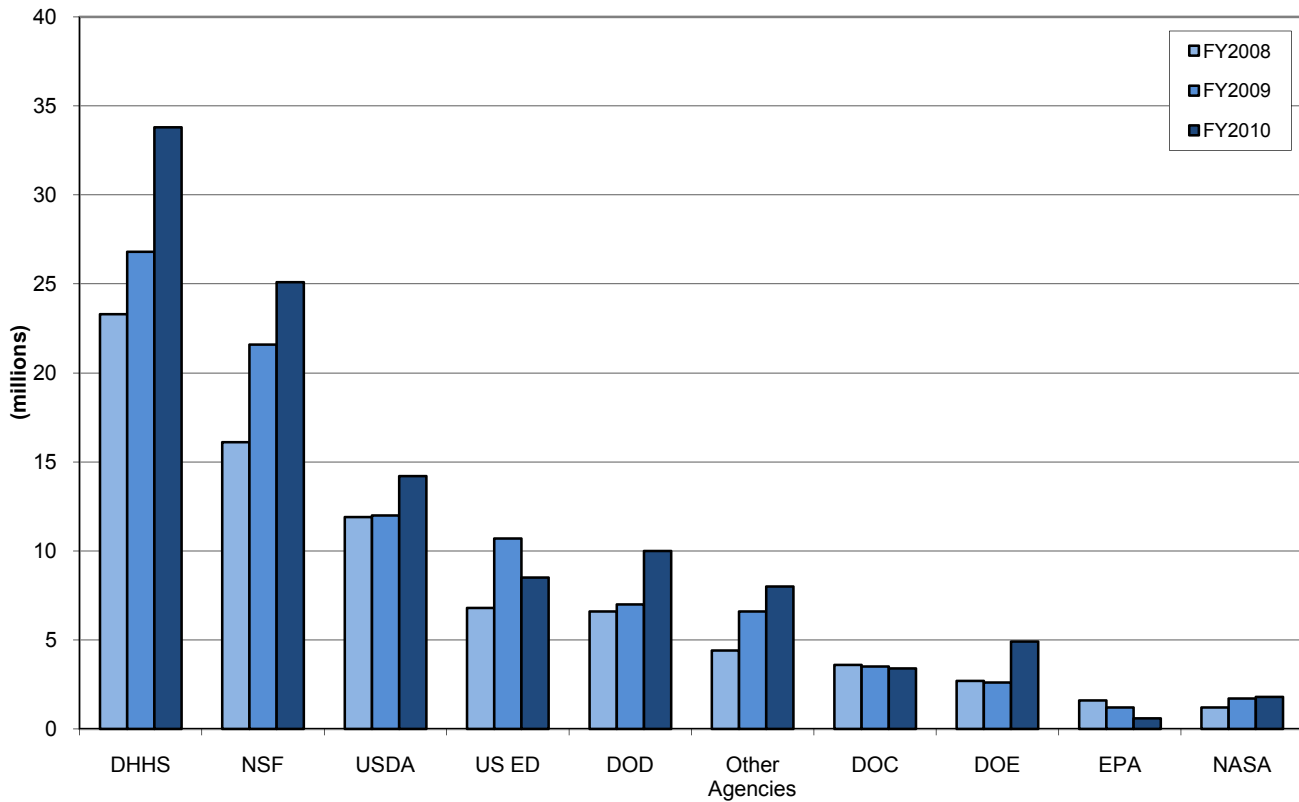
Chart B-5. Federal and Non-Federal Awards FY2008-FY2010



**Table B-1. Federal and Non-Federal Awards
FY2008-FY2010 (in millions)**

	FY2008	FY2009	FY2010
Federal	78.2	93.7	110.4
Non-Federal	23.8	27.2	20.9
Grand Total	\$102.0	\$120.9	\$131.3

Chart B-6. Federal Awards by Agency FY2008-FY2010

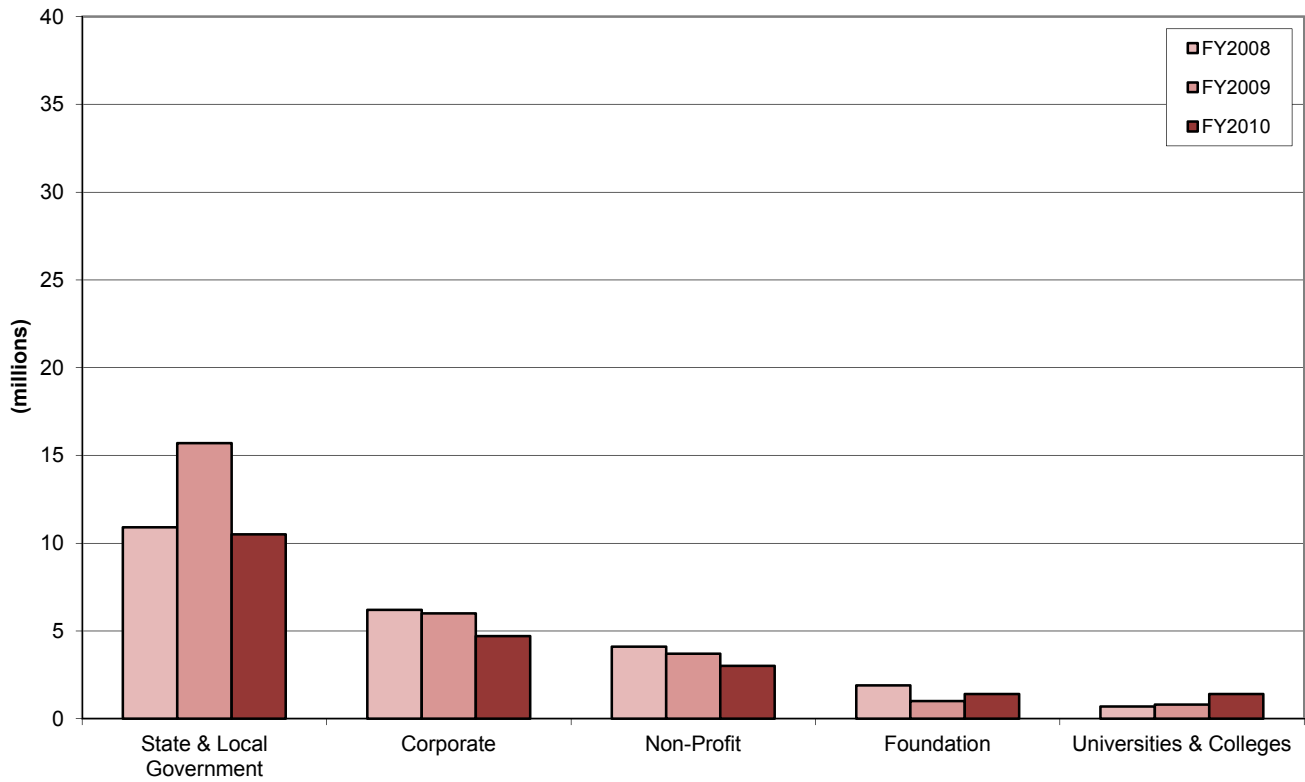


**Table B-2. Federal Awards by Agency
FY2008-FY2010 (in millions)**

	FY2008	FY2009	FY2010
DHHS (Includes NIH)	23.3	26.8	33.8
NSF	16.1	21.6	25.1
USDA	11.9	12.0	14.2
US ED	6.8	10.7	8.5
DOD	6.6	7.0	10.0
Other Agencies *	4.4	6.6	8.0
DOC	3.6	3.5	3.4
DOE	2.7	2.6	4.9
EPA	1.6	1.2	0.6
NASA	1.2	1.7	1.8
Federal Total	\$78.2	\$93.7	\$110.3

* Other Agencies include: Dept of Commerce, Dept of Interior, Dept of Justice, Dept of Labor, Dept of Transportation, Dept of Veteran Affairs, Institute for the Application of Geospatial Technology, Institute of Museum and Library Services, Internal Revenue Service, Library of Congress, National Foundation on Arts & Humanities, Small Business Administration, US Agency for International Development

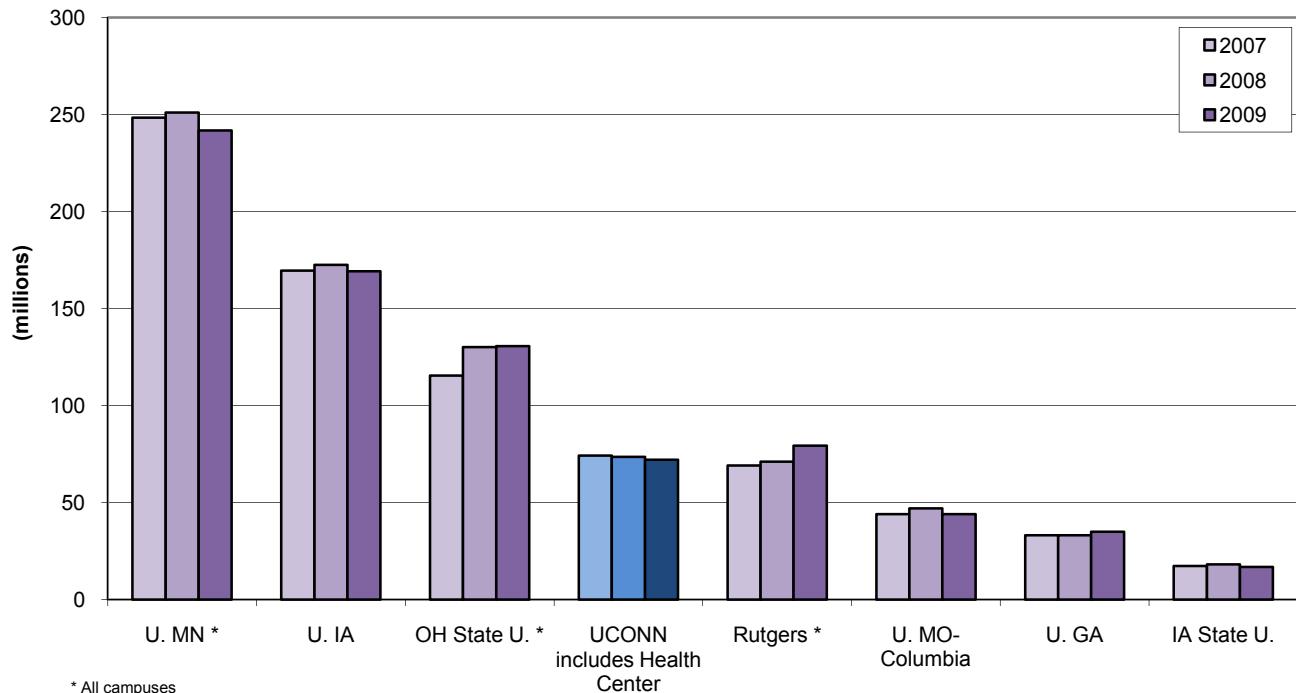
Chart B-7. Non-Federal Awards by Sponsor Type FY2008-FY2010



**Table B-3. Non-Federal Awards by Sponsor Type
FY2008-FY2010 (in millions)**

	FY2008	FY2009	FY2010
State & Local Government	10.9	15.7	10.5
Corporate	6.2	6.0	4.7
Non-Profit	4.1	3.7	3.0
Foundations	1.9	1.0	1.4
Universities & Colleges	0.7	0.8	1.4
Total Non-Federal	\$23.8	\$27.2	\$21.0

Chart B-8. NIH Awards by Institution and Year 2007-2009^{A, B}

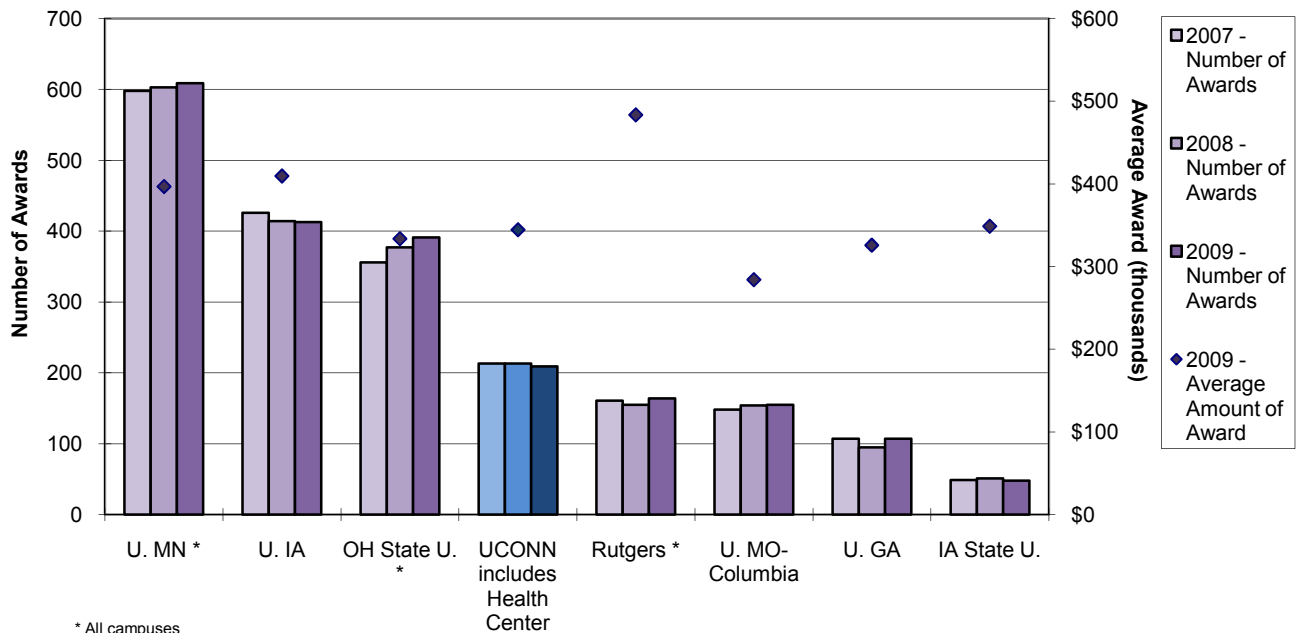


* All campuses

^A Information taken from National Institutes of Health "Award Data for Individual Organizations" (<http://report.nih.gov/grants/award/trends/FindOrg.cfm>)

^B This record set does not include projects funded by the Recovery Act.

Chart B-9. NIH Awards by Institution, Number and Size 2007-2009^{A, B}



* All campuses

^A Information taken from National Institutes of Health "Award Data for Individual Organizations" (<http://report.nih.gov/grants/award/trends/FindOrg.cfm>)

^B This record set does not include projects funded by the Recovery Act.

AWARDS BY SIZE

**Chart B-10. Number of Awards by Size FY2010
Federal and Non-Federal**

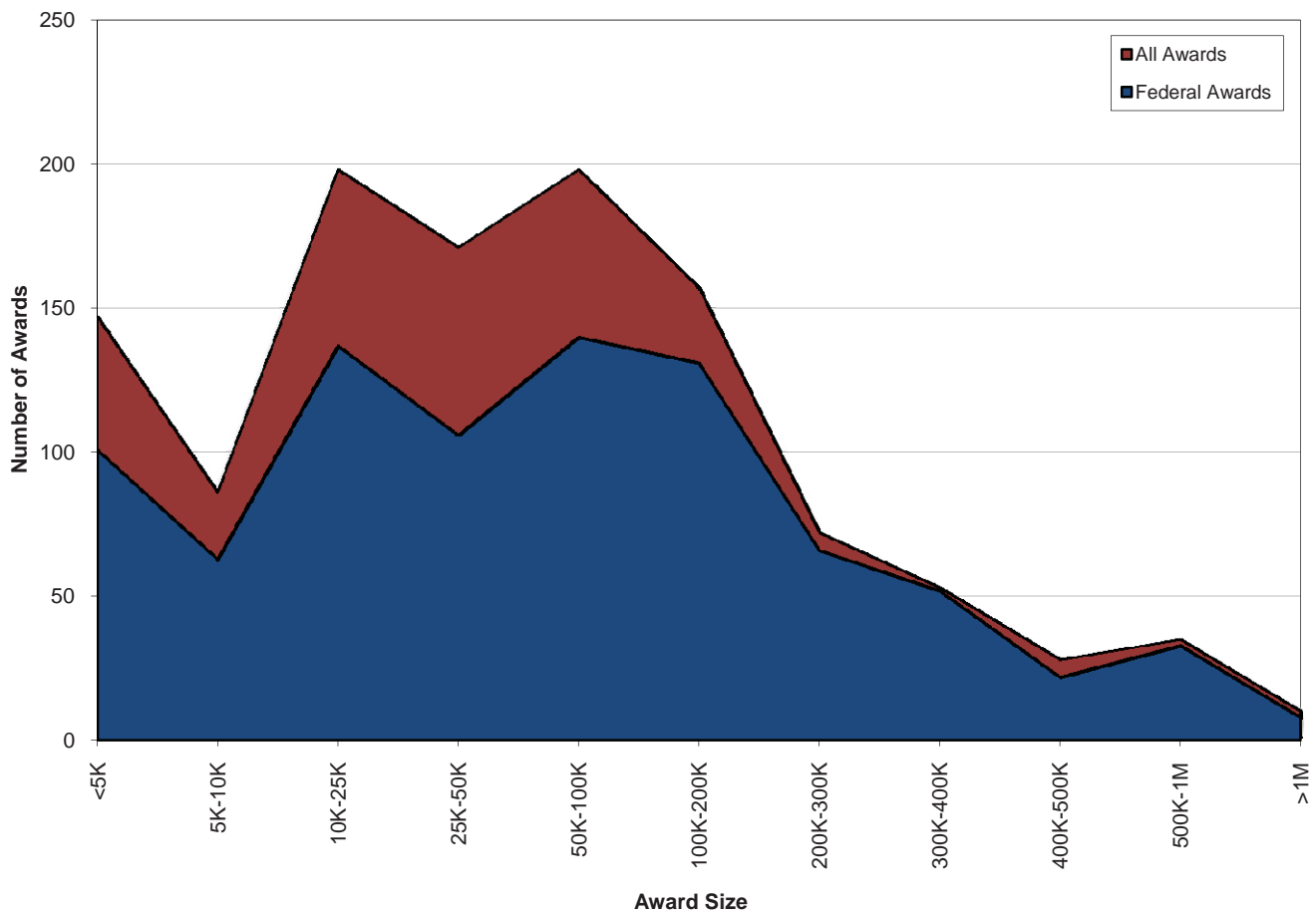


Table B-4. Federal and Non-Federal Awards by Size FY2010

	<u>Federal</u>	<u>Non-Federal</u>
< 5K	101	46
5K - 10K	63	23
10K - 25K	138	60
25K - 50K	106	65
50K - 100K	140	58
100K - 200K	131	26
200K - 300K	66	6
300K - 400K	52	1
400K - 500K	22	6
500K - 1M	33	2
> 1M	8	2
Total Count	860	295

Chart B-11: Distribution of Number and Value of Awards per PI

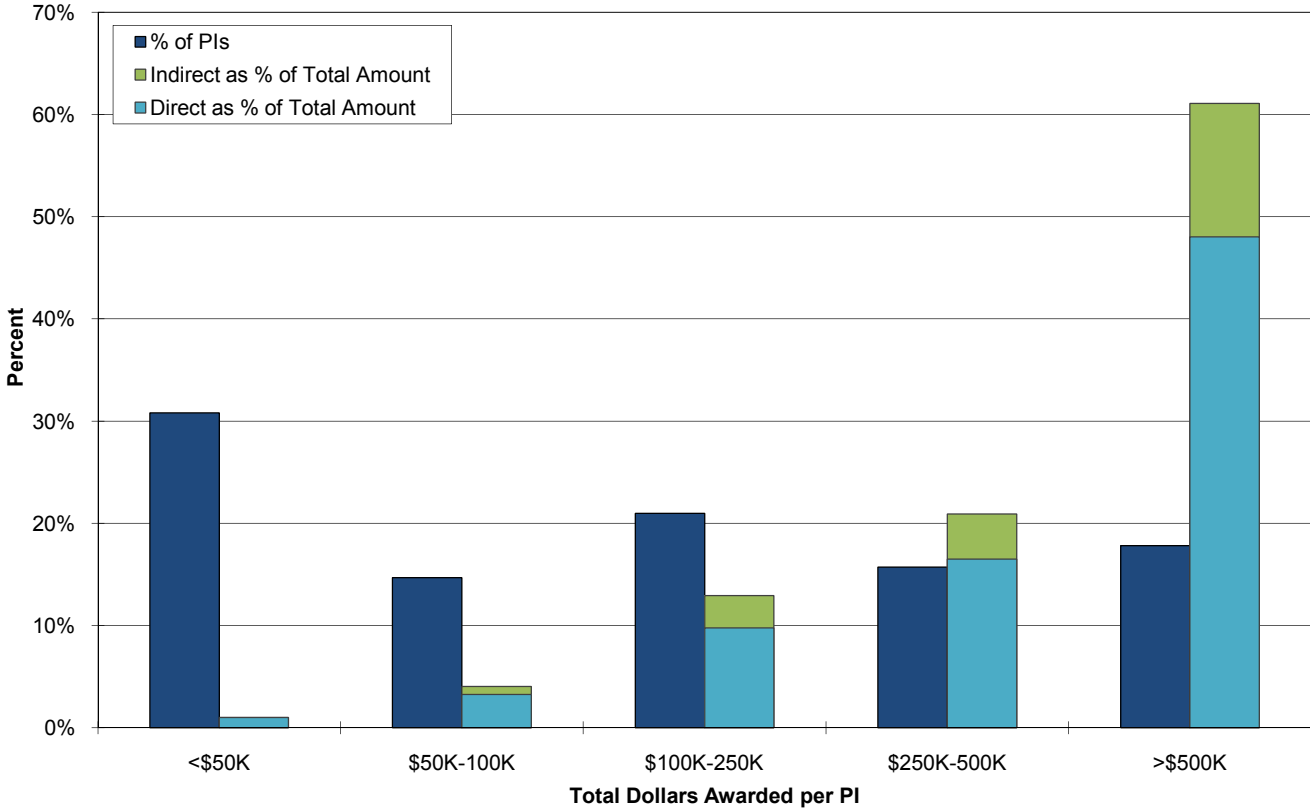
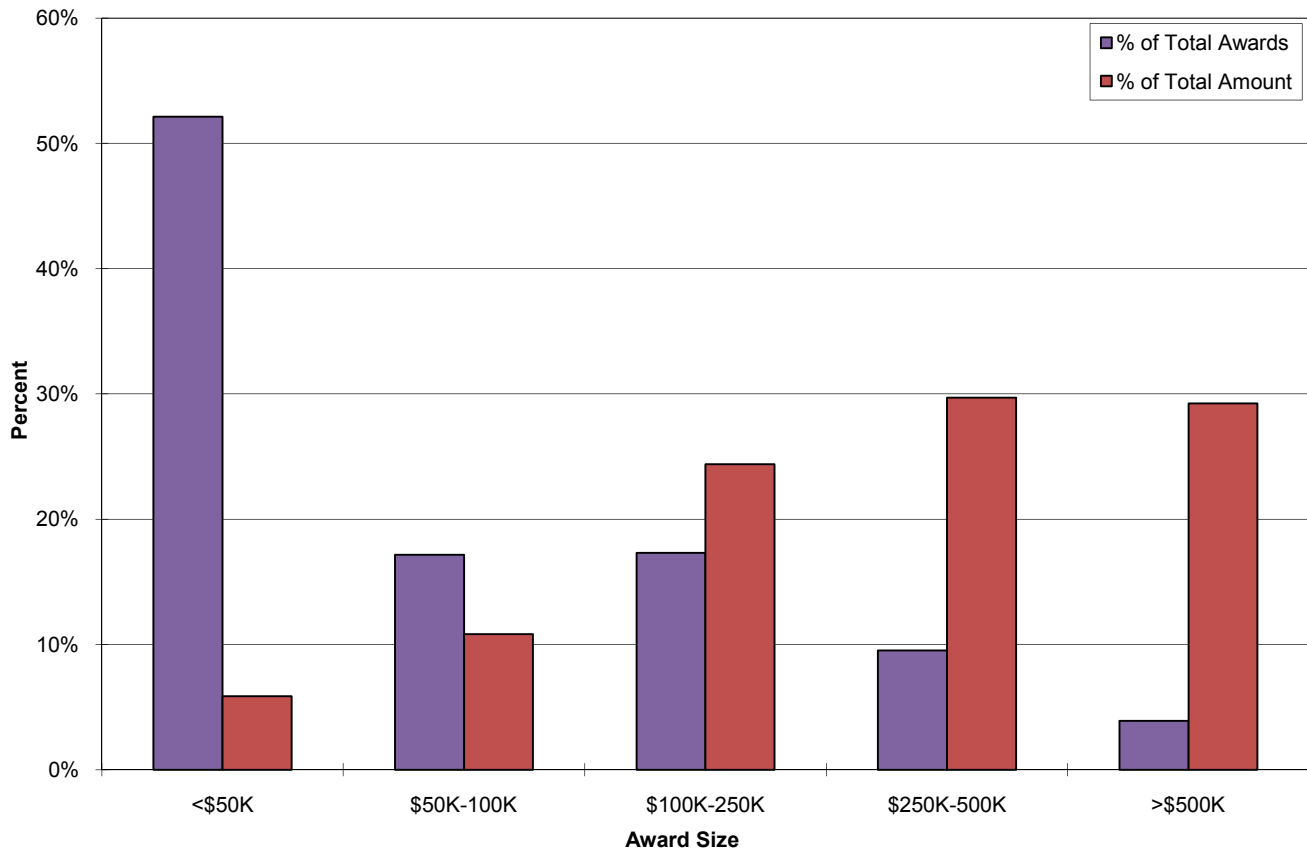


Chart B-12: Distribution of Awards by Size and Quantity



The accompanying graph (Chart B-12) illustrates a number of relationships in the University of Connecticut awards portfolio. In each pair of bars, the left-hand value (% of total awards) depicts the distribution of the total number of annual awards as a percentage, showing the overall portfolio distribution split into several increments. The right hand bar in each pair represents the percentage (%) of the dollar value of all awards, per cost increment.

Obviously, the largest percentage of the overall number of awards comprise amounts under \$50,000, and represent slightly more than 50% of all awards by dollar size, and comprise less than 10% of the aggregate dollar value of all the portfolio. The next largest share of awards is split between two categories; those individual awards in the \$50-100k range (at <20%) and those in the \$100-250k range. Awards in the largest two dollar groupings (\$250k-500k and >\$500k, respectively) together comprise about ~15% of all awards, but represent a disproportionate share of total award dollars at approximately 60% of the value of all awards.

These relationships represent some of the contrasting dynamics intrinsic to the pursuit of sponsored funding. Some sponsor sectors, typically but not uniformly represented by foundations and corporations, usually involve relatively smaller-dollar amounts. At the large dollar end of the spectrum, individual awards exceeding \$500,000 typically entail federal agency sponsorship and involve multiple investigator and oftentimes multiple institutional partners.

Chart B-13. Number of Federal Awards and Average Size by Agency FY2010

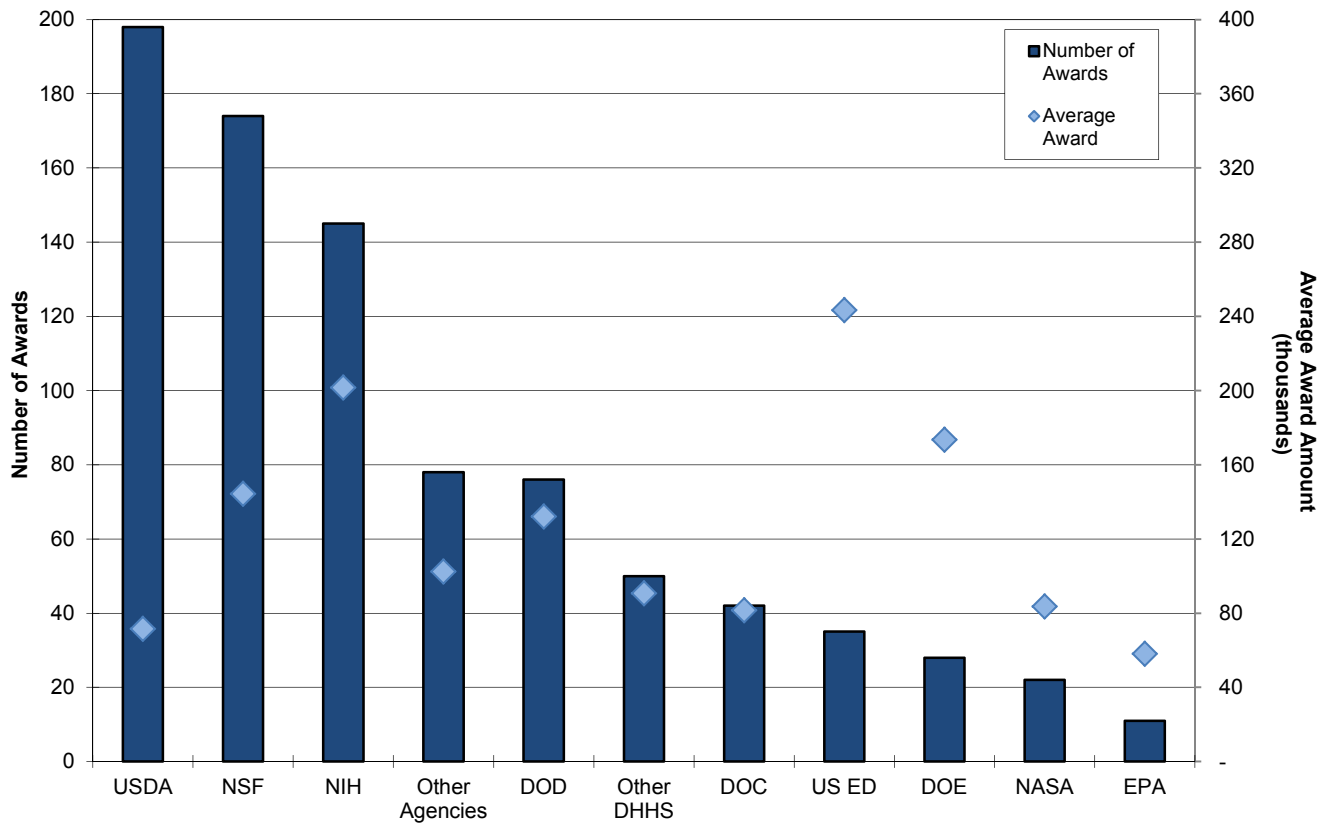


Table B-5. Federal Awards and Average Size by Agency FY2010

	# of Awards	Total Amount (millions)	Average Amount (thousands)
USDA	198	14.2	71.5
NSF	174	25.1	144.3
NIH	145	29.2	201.6
Other Agencies	79	8.0	101.3
DOD	76	10.1	132.1
Other DHHS	50	4.5	90.6
DOC	42	3.4	81.6
US ED	35	8.5	243.3
DOE	28	4.9	173.5
NASA	22	1.8	83.6
EPA	11	0.6	58.1
Total Federal	860	\$110.3	\$128.3

Chart B-14. Number of Non-Federal Awards and Average Size by Sponsor FY2010

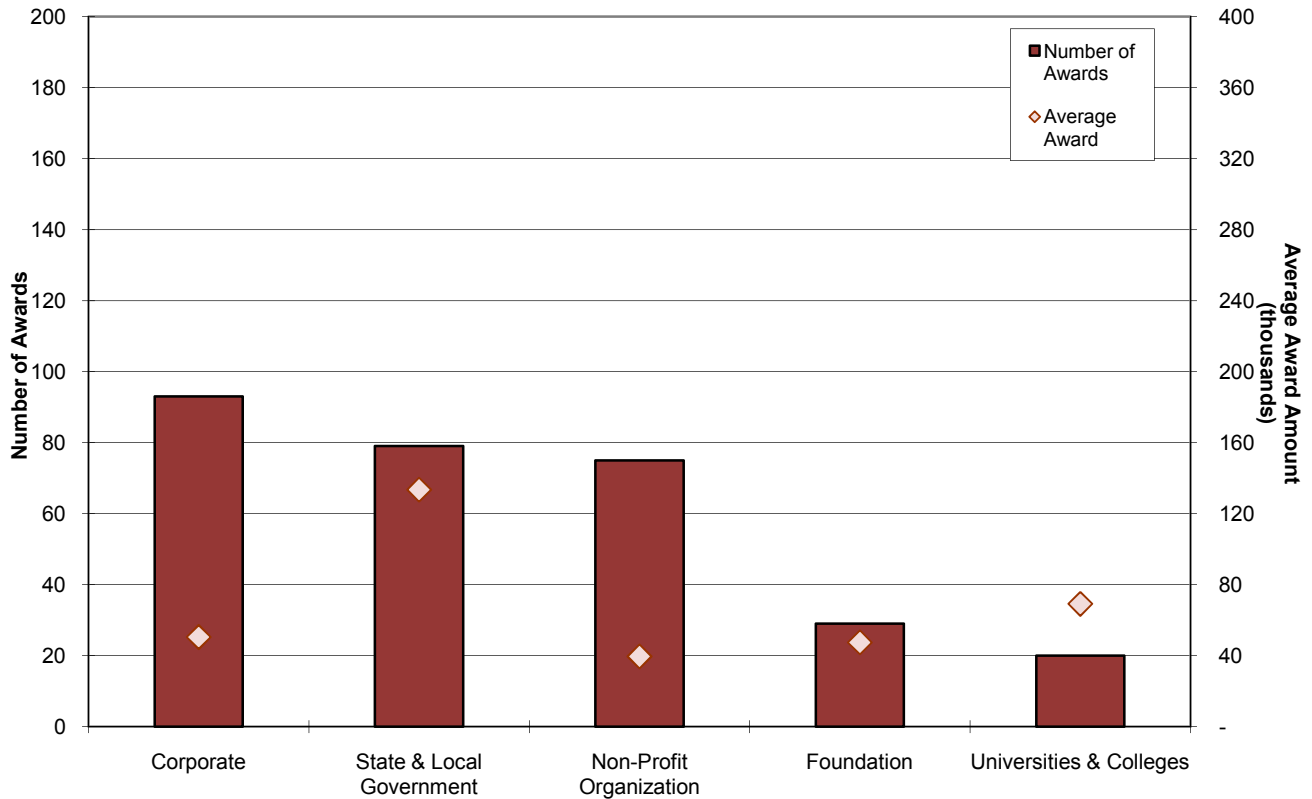


Table B-6. Non-Federal Awards and Average Size by Sponsor FY2010

	# of Awards	Total Amount (millions)	Average Amount (thousands)
Corporate	93	4.7	50.4
State & Local Government	78	10.5	135.0
Non-Profit Organization	75	3.0	39.5
Foundation	29	1.4	47.4
Universities & Colleges	20	1.4	69.1
Total Non-Federal	295	\$21.0	\$71.2

Table B-7. Award Amounts by Center *
FY2009 - FY2010

	FY2009	FY2010
Agricultural and Resource Economics	1,007,011	1,657,888
Agricultural Experiment Station	938,888	525,015
Agriculture and Natural Resources Dean		58,253
Agricultural Publications Office	75,686	77,895
Allied Health Sciences	773,713	1,969,879
Animal Science	188,949	758,163
Center for Environmental Health	171,782	198,102
Extension	4,227,101	4,120,694
Natural Resources Management and Engineering	950,529	448,896
Nutritional Sciences	4,740,698	2,507,343
Pathobiology & Veterinary Science	868,693	1,157,921
Plant Science and Landscape Architecture	2,043,811	2,757,596
Ratcliffe Hicks School of Agriculture		475,000
Water Resources Institute	18,722	50,918
College of Agriculture & Natural Resources	16,005,584	16,763,562
Anthropology	190,329	406,322
Center for Integrative Geoscience	101,072	
Center for Judaic Studies		80,000
Center for Survey Research and Analysis	412,691	-75,501
Chemistry	3,676,893	6,927,714
Communication Sciences	646,409	-267,467
Connecticut Center for Economic Analysis	-3,162	
Connecticut Writing Project	89,000	
Ecology and Evolutionary Biology	2,725,948	1,950,921
Economics	193,400	262,000
English	42,945	149,952
Geography	80,288	44,452
History	95,000	66,420
Human Dev/Family Studies	668,437	154,427
Integrative Geoscience		98,328
Linguistics	599,378	1,321,171
Marine Sciences	4,200,386	5,520,253
Mathematics	379,500	821,599
Molecular and Cell Biology	6,654,578	7,268,143
Physics	1,911,362	4,071,409
Physiology and Neurobiology	2,500,949	3,192,749
Political Science	3,000	18,750
Psychology	4,864,601	6,869,945
Public Policy	413,150	261,555
Sociology	196,966	58,186
Statistics	443,290	133,275
College of Liberal Arts & Sciences	31,086,411	39,334,602
Center on Postsecondary Education and Disability	329,903	418,844
Curriculum and Instruction	2,464,796	1,037,233
Educational Leadership	84,817	483,046
Educational Psychology	7,800,432	5,231,366
Kinesiology	534,039	456,401
Physical Therapy	143,175	29,716
Neag School of Education	11,357,162	7,656,607

* Awards are listed according to the Department or affiliated Center responsible for administering the award, with the exception of BECAT.

Table B-7. Award Amounts by Center *
FY2009 - FY2010

	FY2009	FY2010
Marketing	360,000	378,300
School of Business	360,000	378,300
BECAT	8,313,090	8,841,761
Center for Clean Energy Engineering	1,087,368	2,778,280
Chemical, Materials & Biomolecular Engineering	1,875,285	1,422,879
Civil & Environmental Engineering	856,247	680,950
Computer Science & Engineering	535,912	934,501
Connecticut Transportation Institute	2,385,986	3,275,471
Electrical & Computer Engineering	1,037,296	1,869,975
Engineering Dean	1,307,069	491,535
Mechanical Engineering	5,265,898	5,058,940
School of Engineering	22,664,151	25,354,292
School of Fine Arts	33,856	59,856
School of Law	109,386	188,446
School of Nursing	632,259	982,842
Pharmaceutical Sciences	2,885,978	3,791,296
Pharmacy Practice	1,395,161	2,996,303
School of Pharmacy	4,281,139	6,787,599
School of Social Work	9,704,822	8,594,994
Avery Point Campus	22,800	276,700
Center for Continuing Studies	1,396,271	605,106
Hartford Campus		7,300
Multicultural and International Affairs	279,017	90,000
Student Affairs	68,302	66,403
Student Health Services		285,843
Undergraduate Education	1,788,127	1,508,339
Women's Center		49,147
Academic & Service Programs	3,554,517	2,888,838
Center for Environmental Sciences and Engineering	1,810,288	1,308,975
Center for Health, Intervention and Prevention	7,583,796	8,197,951
Center for Public Health and Health Policy	456,659	1,495,650
Center for Regenerative Biology	2,111,077	2,120,848
Institute of Material Science	5,623,044	5,561,599
National Undersea Research Center	773,101	667,600
Roper Center and Institute for Social Inquiry		90,284
Sea Grant College Program	2,224,785	1,469,373
Technology Incubation Program	422,910	1,141,038
Vice President for Research	149,621	255,611
Vice President for Research	21,155,281	22,308,928
Grand Total	120,944,568	131,298,866

* Awards are listed according to the Department or affiliated Center responsible for administering the award, with the exception of BECAT.

Table B-8. Award Amounts by Department *
FY2009 - FY2010

	FY2009	FY2010
Agricultural and Resource Economics	1,226,778	1,722,908
Agricultural Experiment Station	799,990	525,015
Agriculture and Natural Resources Dean		44,755
Agricultural Publications Office	75,686	77,895
Allied Health Sciences	1,477,705	2,570,820
Animal Science	1,360,930	1,833,639
Extension	4,737,957	4,591,536
Natural Resources Management and Engineering	1,053,976	517,640
Nutritional Sciences	3,822,945	4,002,993
Pathobiology and Veterinary Science	548,513	1,118,011
Plant Science and Landscape Architecture	2,078,536	2,757,596
College of Agriculture & Natural Resources	17,183,017	19,762,807
Anthropology	234,899	409,317
Center for Survey Research and Analysis	213,940	-39,000
Chemistry	4,451,628	7,492,840
Communication Sciences	681,409	-66,831
Connecticut Writing Project	89,000	56,000
Ecology and Evolutionary Biology	2,662,318	2,036,046
Economics	224,962	262,000
English	42,945	93,952
Geography	97,288	44,452
History	95,000	76,420
Human Dev/Family Studies	668,437	164,425
Linguistics	599,378	1,989,557
Marine Sciences	3,965,674	5,212,713
Mathematics	371,785	821,599
Molecular and Cell Biology	7,354,633	8,871,798
Physics	2,398,179	5,049,620
Physiology and Neurobiology	2,581,271	3,201,173
Political Science	201,751	-17,751
Psychology	10,362,967	11,734,070
Public Policy	413,150	261,555
Sociology	403,654	138,186
Statistics	443,290	311,437
College of Liberal Arts & Sciences	38,557,558	48,103,577
Center on Postsecondary Education and Disability	410,309	338,718
Curriculum and Instruction	2,464,796	1,037,233
Education Dean	19,850	21,164
Educational Leadership	559,817	483,046
Educational Psychology	7,225,176	5,290,328
Kinesiology	994,899	1,615,308
Physical Therapy	143,175	234,119
Neag School of Education	11,818,022	9,019,917
Marketing	360,000	378,300
School of Business	360,000	378,300

* Awards are listed according to the tenure home of the PI on each project. Awards led by PIs with appointments in Centers, and not in an academic Department, are attributed to the Centers.

Table B-8. Award Amounts by Department *
FY2009 - FY2010

	FY2009	FY2010
Center for Clean Energy Engineering	449,813	670,000
Chemical, Materials & Biomolecular Engineering	4,994,823	5,766,687
Civil & Environmental Engineering	4,827,542	2,460,718
Computer Science & Engineering	4,525,438	2,867,986
Connecticut Transportation Institute	719,329	1,733,122
Electrical & Computer Engineering	5,621,746	7,887,474
Engineering Dean	252,069	559,208
Mechanical Engineering	6,771,434	8,105,213
School of Engineering	28,162,195	30,050,408
School of Fine Arts	33,856	59,856
School of Law	131,917	188,446
School of Nursing	740,368	1,049,517
Pharmaceutical Sciences	3,182,748	4,291,252
Pharmacy Practice	1,395,161	2,996,303
School of Pharmacy	4,577,909	7,287,555
School of Social Work	9,704,822	8,570,358
Avery Point Campus		2,500
Center for Continuing Studies	1,396,271	605,106
Hartford Campus		7,300
Human Rights Institute		5,044
Multicultural and International Affairs	73,500	80,000
Student Affairs	68,302	66,403
Student Health Services		285,843
Undergraduate Education	1,788,127	1,508,339
Women's Center		49,147
Academic & Service Programs	3,326,200	2,609,682
Center for Environmental Sciences and Engineering	293,794	303,673
Center for Health, Intervention and Prevention	790,509	470,415
Center for Public Health and Health Policy	1,427,721	
Center for Regenerative Biology	447,673	53,000
Institute of Materials Science	31,997	
National Undersea Research Center	1,091,885	982,383
Roper Center and Institute for Social Inquiry		90,284
Sea Grant College Program	1,789,363	922,039
Technology Incubation Program	422,910	1,141,038
Vice President for Research	52,851	255,611
Vice President for Research	6,348,704	4,218,443
Grand Total	120,944,568	131,298,866

* Awards are listed according to the tenure home of the PI on each project. Awards led by PIs with appointments in Centers, and not in an academic Department, are attributed to the Centers.

Expenditures



EXPENDITURES BY SPONSOR TYPE

Chart C-1. Federal and Non-Federal Expenditures FY2010
(Total dollars in millions and percent)

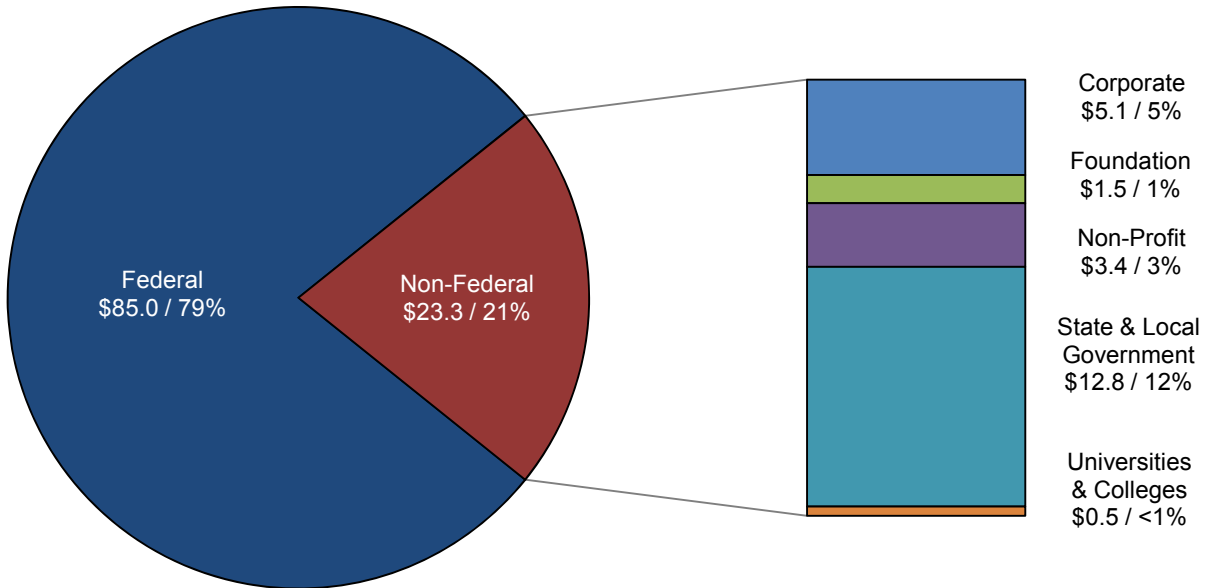
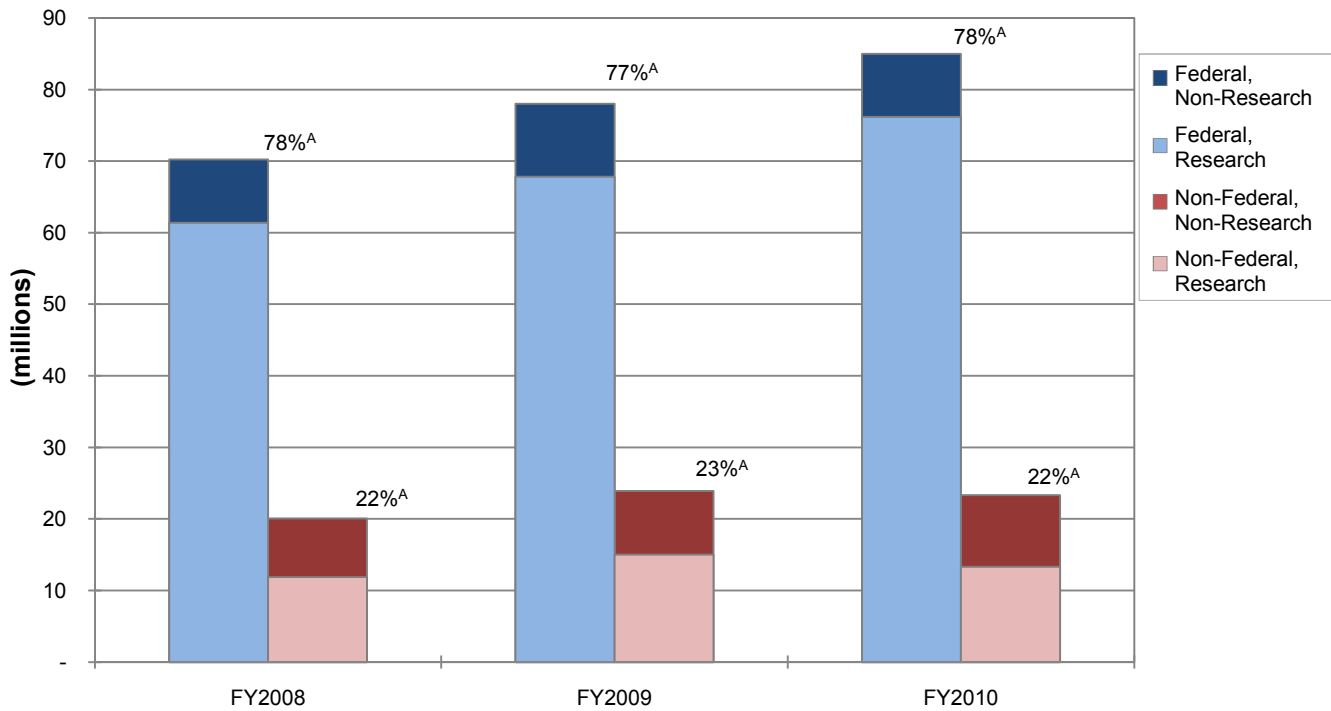


Chart C-2. Expenditures by Source and Purpose FY2008-FY2010



^A Percentage of Total Annual Expenditures

Table C-1. Expenditures by Source and Purpose FY2008-FY2010 (in millions)

	FY2008		FY2009		FY2010	
	Federal	Non-Federal	Federal	Non-Federal	Federal	Non-Federal
Non-Research	8.8	8.2	10.2	8.9	8.8	10.0
Research	61.4	11.9	67.8	15.0	76.2	13.3
TOTAL	\$70.2	\$20.1	\$78.0	\$23.9	\$85.0	\$23.3

Chart C-3. Federal Expenditures by Agency FY2008-FY2010

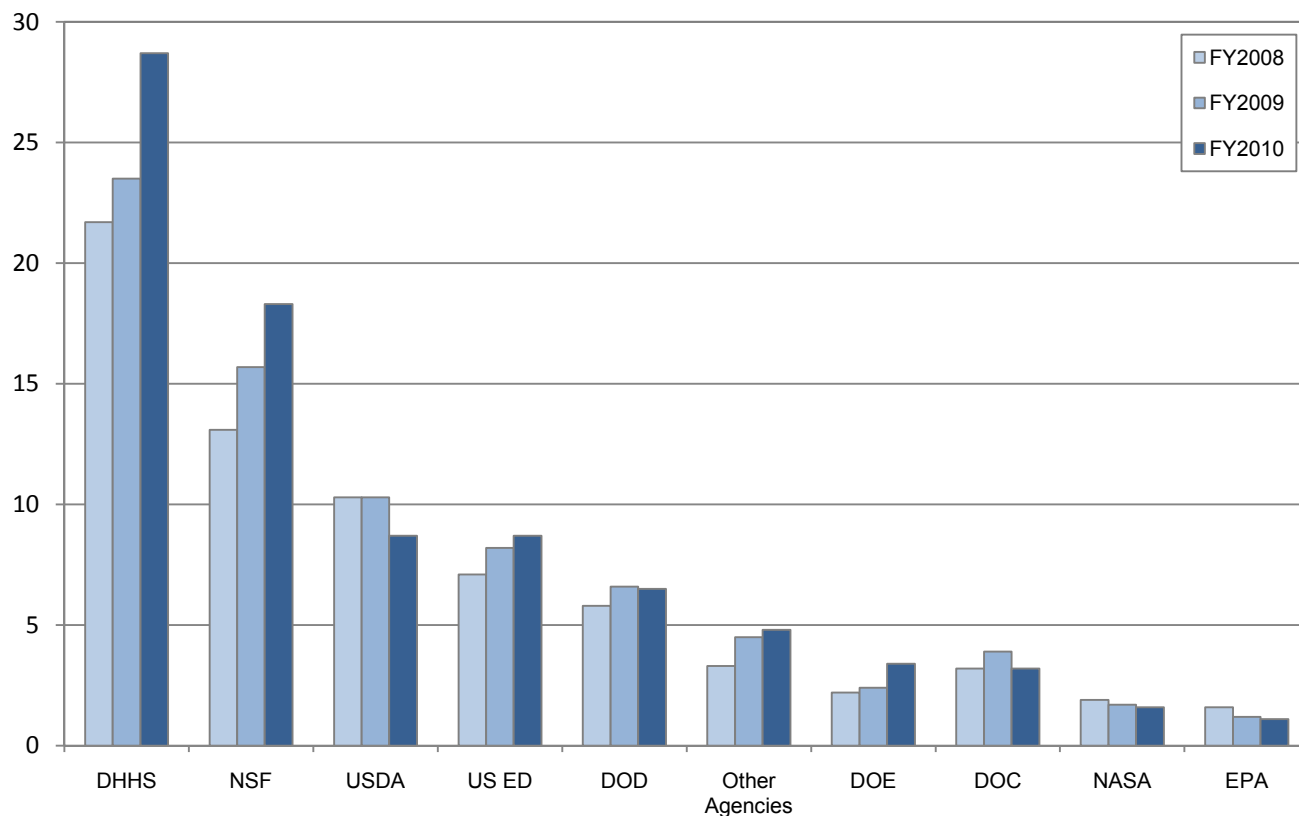
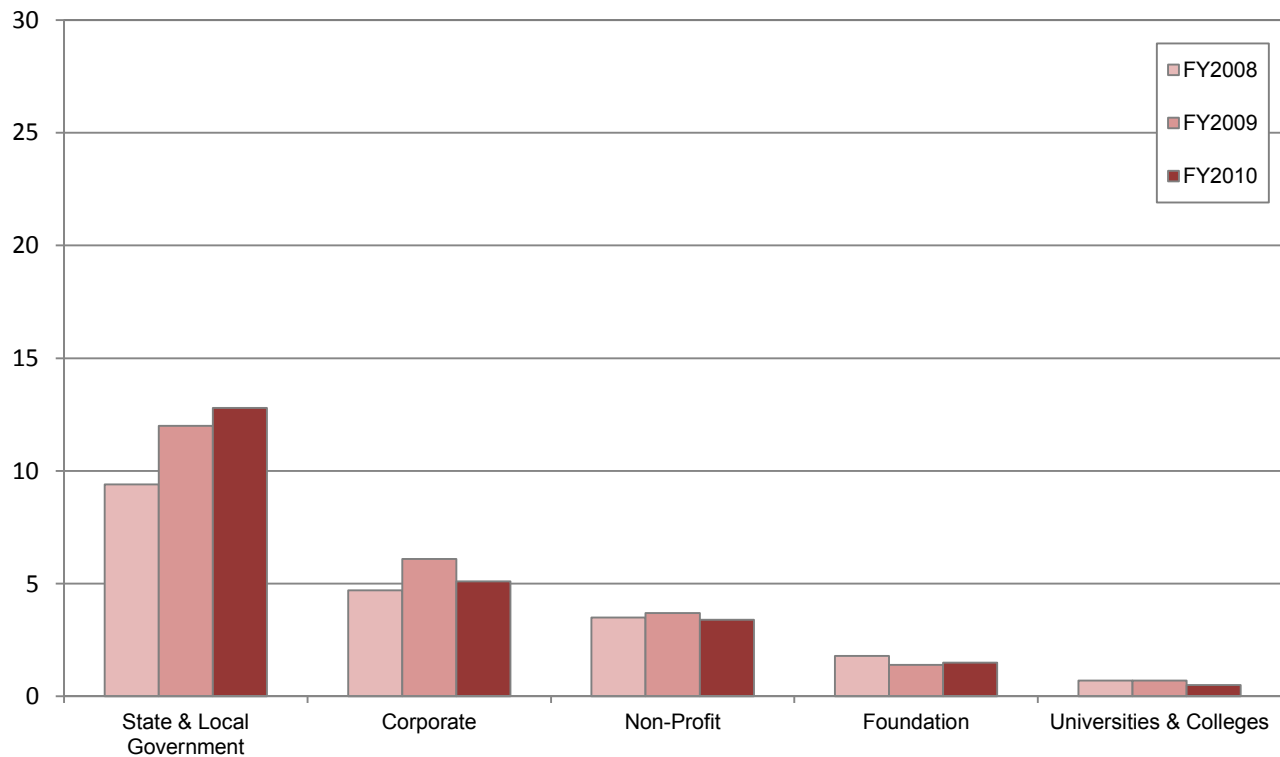


Table C-2. Federal Expenditures by Agency FY2008-FY2010 (in millions)

	FY2008	FY2009	FY2010
DHHS	21.7	23.5	28.7
NSF	13.1	15.7	18.3
USDA	10.3	10.3	8.7
US ED	7.1	8.2	8.7
DOD	5.8	6.6	6.5
Other Agencies*	3.3	4.5	4.8
DOE	2.2	2.4	3.4
DOC	3.2	3.9	3.2
NASA	1.9	1.7	1.6
EPA	1.6	1.2	1.1
Federal Total	\$70.2	\$78.0	\$85.0

* Other Agencies include: Dept of Commerce, Dept of Interior, Dept of Justice, Dept of Labor, Dept of Transportation, Dept of Veteran Affairs, Institute for the Application of Geospatial Technology, Institute of Museum and Library Services, Internal Revenue Service, Library of Congress, National Foundation on Arts & Humanities, Small Business Administration, US Agency for International Development

Chart C-4. Non-Federal Expenditures by Sponsor FY2008-FY2010



**Table C-3. Non-Federal Expenditures by Sponsor FY2008-FY2010
(in millions)**

	FY2008	FY2009	FY2010
State & Local Government	9.4	12.0	12.8
Corporate	4.7	6.1	5.1
Non-Profit	3.5	3.7	3.4
Foundation	1.8	1.4	1.5
Universities & Colleges	0.7	0.7	0.5
Non-Federal Total	\$20.1	\$23.9	\$23.3

THREE-YEAR HISTORICAL COMPARISON OF EXPENDITURES

Chart C-5: Direct and F&A Expenditures with Actual F&A Recovery Rates, FY2008-FY2010

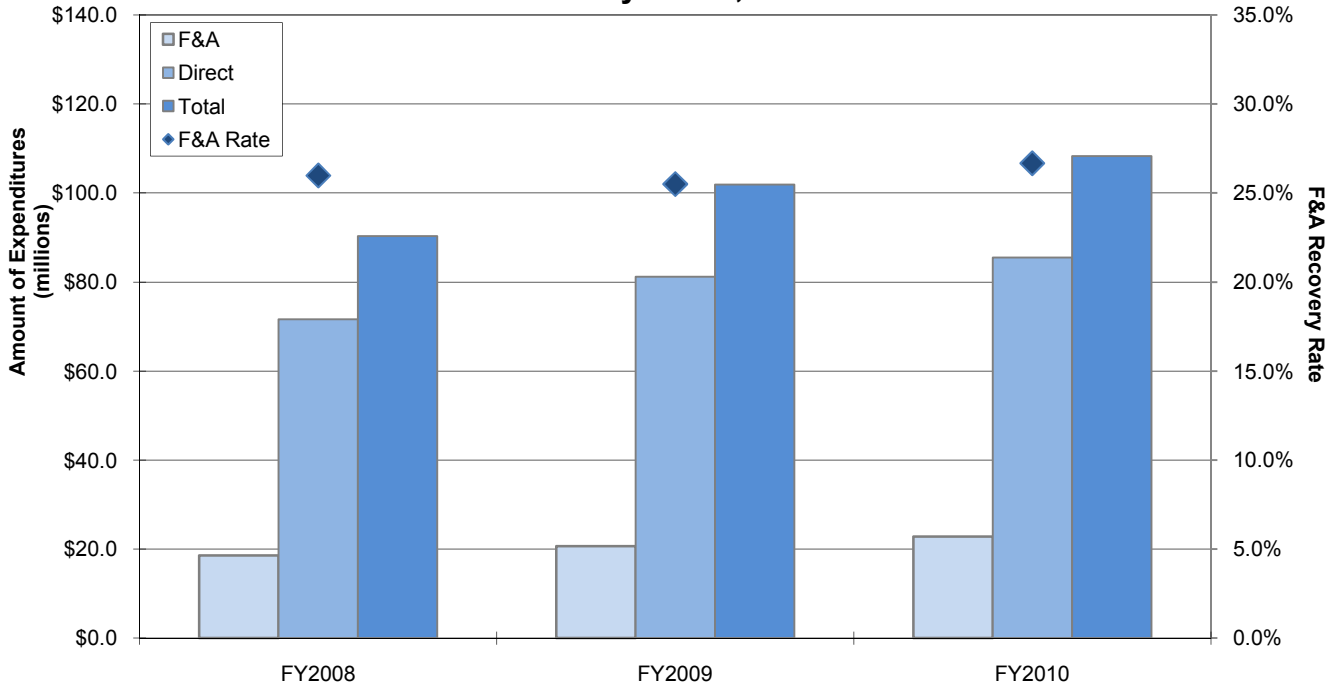
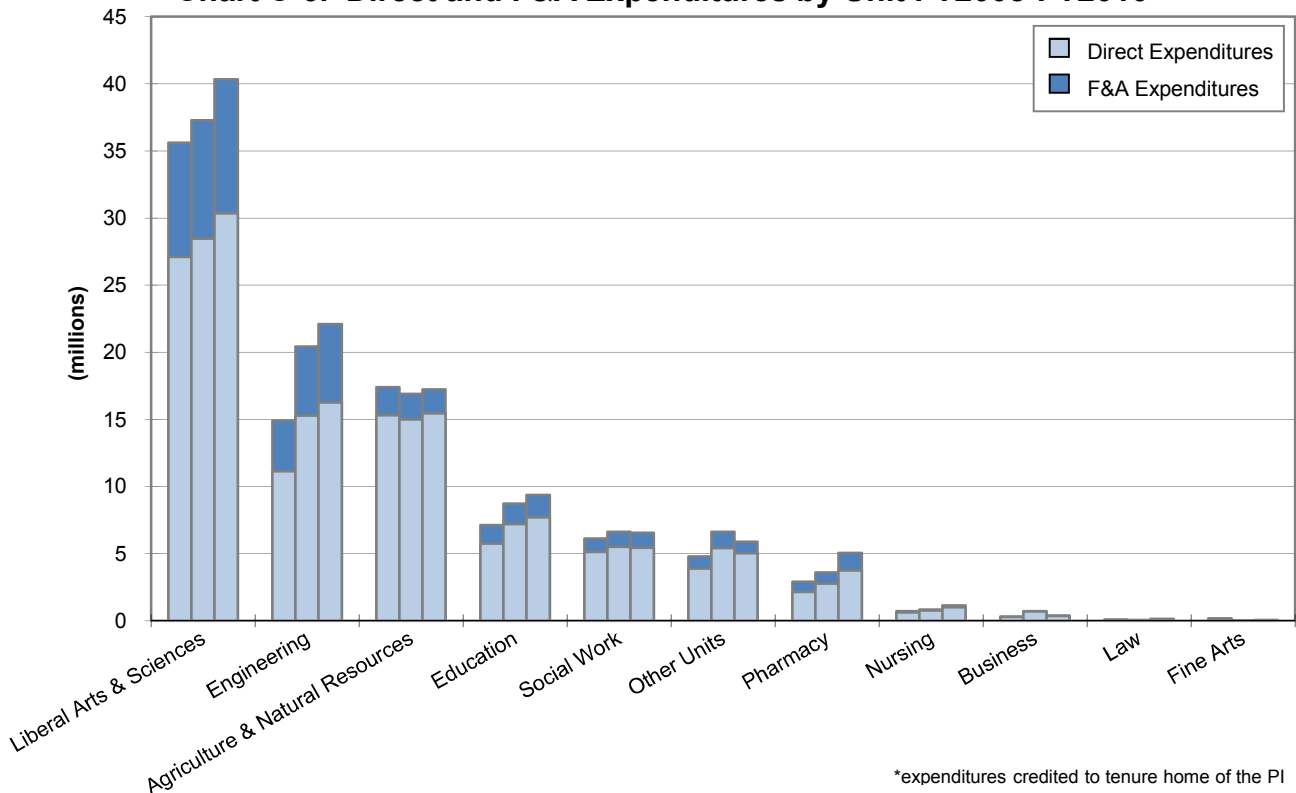


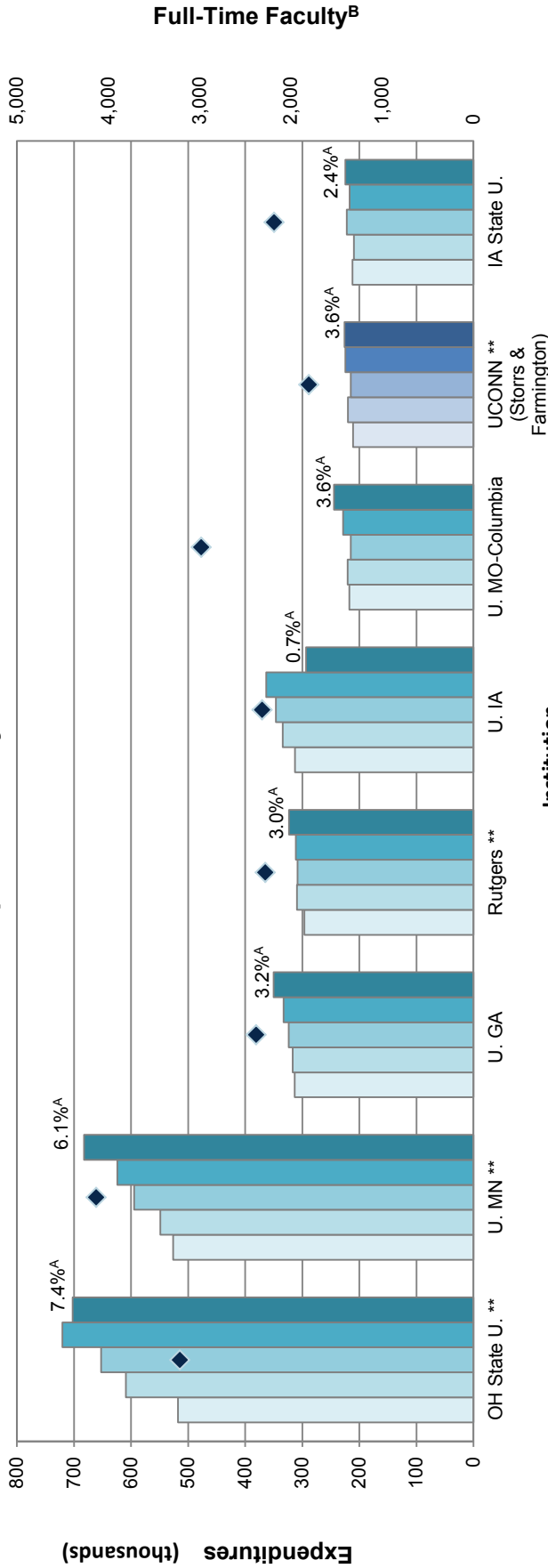
Chart C-5 contrasts the components of expenditures as differentiated by direct and indirect (F&A) cost segments over the last three (3) years, FY08-10. In each trio, the largest bar represents total expenditures, the next largest direct cost elements, and the smallest the IDC amounts. The diamonds in the line graph running above represent the recovered F&A costs expressed as a percentage. Hence, the values depicted in the line graph represent the effective, actual rate of recovery of F&A. Note that the overall recovery rate has very slightly increased in the last year. This may parallel short-term increases driven by the increased funding of the ARRA. Challenges are ahead in sustaining any further increases in the aggregate rate of F&A recovery.

Chart C-6. Direct and F&A Expenditures by Unit FY2008-FY2010*



*expenditures credited to tenure home of the PI

Chart C-7: Total R&D Expenditures by Institution and Year 2004-2008*



^A Average annual rate of growth (based on five years of growth)

^B Full-Time Faculty IPEDS Fall 2008 count

* Information taken from The National Science Foundation, Division of Science Resource Statistics (www.nsf.gov/statistics/rdexpenditures)

** All campuses

Table C-4. Total R&D Expenditures by Institution and Year 2004-2008* (in thousands)

Institution	2004	2005	2006	2007	2008	Full-Time Faculty IPEDS Fall 2008 count
OH State U. **	\$518,088	\$608,923	\$652,329	\$720,206	\$702,592	3,119
U. MN **	\$526,270	\$548,873	\$594,877	\$624,149	\$682,662	4,365
U. GA	\$313,160	\$316,806	\$323,843	\$332,612	\$350,299	2,339
Rutgers **	\$296,534	\$309,531	\$308,204	\$311,612	\$323,404	2,229
U. IA	\$312,914	\$334,144	\$346,357	\$363,243	\$293,564	2,204
U. MO-Columbia	\$217,550	\$220,718	\$215,240	\$228,654	\$244,639	2,983
UCONN includes Health Center	\$211,236	\$219,982	\$215,184	\$224,679	\$225,904	1,766
IA State U.	\$211,996	\$209,545	\$221,998	\$217,158	\$224,368	2,132

* Information taken from The National Science Foundation, Division of Science Resource Statistics (www.nsf.gov/statistics/rdexpenditures/)

** All campuses

Table C-5. Expenditures by Center FY2009-FY2010 *

	FY2010 Direct	FY2010 F&A	FY2010 Total	FY2009 Total
Agricultural and Resource Economics	1,019,897	39,954	1,059,851	910,951
Agricultural Experiment Station	136,837	0	136,837	137,517
Agriculture and Natural Resources Dean	48,716	0	48,716	7,498
Agriculture Publications Office	43,451	0	43,451	44,047
Allied Health Sciences	1,405,062	242,518	1,647,580	917,309
Animal Science	446,771	35,711	482,481	497,898
Center for Environmental Health Extension	156,849	0	156,849	150,960
Institute of Water Resources	3,143,156	156,119	3,299,275	3,805,320
	21,063	0	21,063	56,594
Natural Resources and the Environment	688,165	131,454	819,619	1,121,782
Nutritional Sciences	3,214,440	411,237	3,625,677	4,398,273
Pathobiology and Veterinary Science	966,625	121,473	1,088,098	1,352,026
Plant Science and Landscape Architecture	1,832,464	195,272	2,027,736	2,013,946
Ratcliffe Hicks School of Agriculture	450,000	0	450,000	100,000
College of Agriculture & Natural Resources	13,573,495	1,333,738	14,907,233	15,363,163
Anthropology	224,607	23,090	247,697	200,789
Center for Integrative Geoscience	130,149	44,643	174,792	118,588
Center for Judaic Studies	68,352	0	68,352	85,212
Center for Survey Research and Analysis	98,173	40,397	138,570	631,107
Chemistry	2,523,335	1,048,208	3,571,542	3,253,813
Communication Sciences	153,368	42,829	196,197	459,337
Connecticut Center for Economic Analysis	6,766	4,980	11,745	64,210
Connecticut Writing Project	30,528	0	30,528	65,404
Ecology and Evolutionary Biology	1,796,944	735,874	2,532,818	2,262,505
Economics	316,624	42,747	359,371	242,736
English	18,875	0	18,875	42,945
Geography	55,380	3,454	58,833	123,362
History	88,750	0	88,750	133,744
Human Dev/Family Studies	263,017	46,842	309,859	226,430
Linguistics	526,706	214,683	741,390	117,337
Marine Sciences	3,986,654	1,162,901	5,149,555	6,122,730
Mathematics	296,343	141,397	437,740	312,137
Modern and Classical Languages	2,505	0	2,505	1,446
Molecular and Cell Biology	4,570,571	1,420,834	5,991,404	5,334,194
Philosophy	59,327	0	59,327	
Physics	1,874,523	598,077	2,472,600	2,046,082
Physiology and Neurobiology	2,372,539	913,268	3,285,807	2,833,505
Political Science	6,411	641	7,052	
Psychology	3,455,293	1,286,548	4,741,841	3,731,623
Public Policy	167,584	50,527	218,111	337,528
Sociology	110,094	46,543	156,637	7,923
Statistics	265,563	77,521	343,084	446,777
College of Liberal Arts & Sciences	23,468,978	7,946,002	31,414,981	29,352,423
Center on Post Secondary Education and Disability	324,635	30,653	355,289	144,253
Curriculum and Instruction	1,057,001	182,449	1,239,450	1,226,834
Educational Leadership	392,423	5,171	397,594	53,882
Educational Psychology	4,578,840	1,064,438	5,643,279	5,725,537
Kinesiology	364,620	100,792	465,412	871,927
Physical Therapy	43,006	16,094	59,100	70,784
Neag School of Education	6,760,526	1,399,597	8,160,123	8,093,216

* Expenditures are listed according to the Department or affiliated Center responsible for administering the account, with the exception of BECAT.

Table C-5. Expenditures by Center FY2009-FY2010 *

	FY2010 Direct	FY2010 F&A	FY2010 Total	FY2009 Total
Business Dean	80,364	6,210	86,574	
Finance	39,657	0	39,657	364,168
Management				9,942
Marketing	250,570	20,046	270,615	347,766
School of Business	370,591	26,256	396,847	721,877
BECAT	5,308,903	2,231,612	7,540,515	7,463,985
Center for Clean Energy Engineering	1,067,601	502,165	1,569,766	1,311,804
Chemical, Materials & Biomolecular Engineering	769,771	241,596	1,011,367	759,221
Civil & Environmental Engineering	641,529	194,327	835,856	379,521
Computer Science & Engineering	219,079	99,329	318,408	673,826
Connecticut Transportation Institute	1,571,946	351,846	1,923,792	1,706,446
Electrical & Computer Engineering	723,148	121,054	844,202	980,527
Engineering Dean	309,770	105,009	414,778	232,129
Mechanical Engineering	2,746,842	856,523	3,603,366	2,160,684
School of Engineering	13,358,588	4,703,462	18,062,050	15,668,144
School of Fine Arts	55,333	0	55,333	33,110
School of Law	103,272	47,722	150,995	62,671
School of Nursing	858,749	105,770	964,519	642,524
Pharmaceutical Sciences	2,308,639	961,606	3,270,246	2,941,151
Pharmacy Practice	1,268,706	314,944	1,583,650	436,965
School of Pharmacy	3,577,346	1,276,550	4,853,896	3,378,116
School of Social Work	5,462,619	1,139,308	6,601,927	6,620,326
Avery Point Campus	101,890	50,224	152,113	126,909
Center for Continuing Studies	417,711	94,952	512,664	386,202
Diversity & Equity				6,732
Hartford Campus	2,865	0	2,865	
Human Rights Institute	46,831	0	46,831	
Multicultural and International Affairs	81,716	15,853	97,568	79,650
Public and Environmental Safety				17,829
Student Affairs	55,632	2,918	58,550	109,068
Student Health Services	129,103	39,506	168,609	
Undergraduate Education	1,710,423	125,865	1,836,288	1,953,500
University Libraries	15,233	2,169	17,402	12,051
Women's Center	10,591	0	10,591	
Academic & Service Programs	2,571,996	331,486	2,903,482	2,691,941
Center for Environmental Sciences and Engineering	1,147,713	339,108	1,486,821	1,158,959
Center for Health, Intervention and Prevention	7,020,365	1,918,928	8,939,292	8,072,446
Center for Public Health and Health Policy	578,493	145,647	724,140	63,676
Center for Regenerative Biology	954,119	279,361	1,233,480	1,795,081
Institute of Materials Science	3,655,255	1,424,238	5,079,493	5,609,952
National Undersea Research Center	260,164	105,940	366,103	1,007,263
Roper Center and Institute for Social Inquiry	42,606	18,759	61,365	43,472
Sea Grant College Program	1,196,114	228,545	1,424,659	1,285,382
Technology Incubation Program	200,995	21,545	222,540	102,013
Vice President for Research	292,847	43,117	335,964	120,659
Vice President for Research	15,348,672	4,525,186	19,873,858	19,258,902
Grand Total	85,510,166	22,835,077	108,345,244	101,886,412

* Expenditures are listed according to the Department or affiliated Center responsible for administering the account, with the exception of BECAT.

Table C-6. Expenditures by Department FY2009-FY2010 *

	FY2010 Direct	FY2010 Indirect	FY2010 Total	FY2009 Total
Agricultural and Resource Economics	1,079,575	39,954	1,119,529	966,379
Agricultural Experiment Station	136,837	0	136,837	137,517
Agriculture and Natural Resources Dean	41,731	0	41,731	7,498
Agriculture Publications Office	43,451	0	43,451	44,047
Allied Health Sciences	2,030,148	406,495	2,436,643	1,935,907
Animal Science	1,100,083	40,252	1,140,335	1,186,454
Extension	3,519,728	242,015	3,761,743	4,399,024
Natural Resources and the Environment	896,651	185,781	1,082,432	1,454,183
Nutritional Sciences	3,873,317	576,508	4,449,825	3,491,331
Pathobiology and Veterinary Science	928,602	118,431	1,047,033	1,251,027
Plant Science and Landscape Architecture	1,800,833	179,608	1,980,441	1,802,964
Ratcliffe Hicks School of Agriculture				224,769
College of Agriculture & Natural Resources	15,450,956	1,789,044	17,240,000	16,901,100
Anthropology	240,104	29,521	269,625	524,077
Center for Survey Research and Analysis	62,153	20,863	83,016	430,871
Chemistry	3,349,987	1,346,483	4,696,470	3,913,733
Communication Sciences	585,518	238,807	824,325	1,405,586
Connecticut Writing Project	49,403	0	49,403	65,404
Ecology and Evolutionary Biology	1,885,156	772,523	2,657,679	2,383,578
Economics	323,389	47,727	371,116	306,946
English				42,945
Geography	91,388	13,336	104,724	150,048
History	98,281	0	98,281	133,744
Human Dev/Family Studies	270,203	46,842	317,045	227,739
Linguistics	635,217	265,204	900,421	117,337
Marine Sciences	3,824,475	1,141,156	4,965,630	5,969,617
Mathematics	296,343	141,397	437,740	312,137
Modern and Classical Languages	2,505	0	2,505	1,446
Molecular and Cell Biology	5,339,249	1,712,041	7,051,290	6,345,243
Philosophy	59,327	0	59,327	
Physics	2,193,370	748,853	2,942,223	2,378,808
Physiology and Neurobiology	2,429,041	931,007	3,360,049	2,890,596
Political Science	42,431	20,175	62,605	200,236
Psychology	7,925,658	2,324,747	10,250,404	8,440,719
Public Policy	167,584	50,527	218,111	337,528
Sociology	225,436	50,302	275,737	264,724
Statistics	265,563	77,521	343,084	446,777
College of Liberal Arts & Sciences	30,361,780	9,979,028	40,340,808	37,289,840
Center on Post Secondary Education and Disability	291,353	24,965	316,318	218,237
Curriculum and Instruction	1,057,001	182,449	1,239,450	1,245,197
Education Dean	17,481	4,084	21,566	25,147
Educational Leadership	431,965	5,171	437,136	532,749
Educational Psychology	4,555,099	1,066,043	5,621,142	5,147,539
Kinesiology	1,249,257	349,732	1,598,988	1,501,314
Physical Therapy	93,991	40,742	134,733	70,784
Neag School of Education	7,696,147	1,673,186	9,369,333	8,740,968
Finance	39,657	0	39,657	364,168
Management				9,942
Marketing	330,934	26,256	357,190	347,766
School of Business	370,591	26,256	396,847	721,877

* Expenditures are listed according to the tenure home of the PI on each project. Expenditures on projects led by PIs with appointments in Centers, and not in an academic Department, are attributed to the Centers.

Table C-6. Expenditures by Department FY2009-FY2010 *

	FY2010 Direct	FY2010 Indirect	FY2010 Total	FY2009 Total
Center for Clean Energy Engineering	340,698	174,412	515,110	719,578
Chemical, Materials & Biomolecular Engr	2,815,280	1,084,253	3,899,533	4,186,476
Civil & Environmental Engineering	2,387,760	709,296	3,097,057	2,167,104
Computer Science & Engineering	2,258,611	909,685	3,168,296	2,698,347
Connecticut Transportation Institute	624,568	124,728	749,296	662,370
Electrical & Computer Engineering	3,759,659	1,449,411	5,209,071	5,409,674
Engineering Dean	198,696	50,121	248,816	60,545
Mechanical Engineering	3,885,032	1,338,061	5,223,093	4,539,715
School of Engineering	16,270,304	5,839,968	22,110,272	20,443,808
School of Fine Arts	55,333	0	55,333	33,110
School of Law	103,272	47,722	150,995	62,671
School of Nursing	997,949	147,954	1,145,902	839,948
Pharmaceutical Sciences	2,468,110	1,015,585	3,483,695	3,171,479
Pharmacy Practice	1,268,706	314,944	1,583,650	436,965
School of Pharmacy	3,736,817	1,330,528	5,067,345	3,608,444
School of Social Work	5,433,334	1,137,999	6,571,333	6,620,326
Avery Point Campus	250	0	250	
Center for Continuing Studies	417,711	94,952	512,664	386,202
Hartford Campus	2,865	0	2,865	
Human Rights Institute	46,831	0	46,831	
Multicultural and International Affairs	72,185	15,853	88,038	73,253
Public and Environmental Safety				17,829
Student Affairs	55,632	2,918	58,550	109,068
Student Health Services	129,103	39,506	168,609	
Undergraduate Education	1,710,423	125,865	1,836,288	1,946,255
University Libraries	15,233	2,169	17,402	12,051
Women's Center	10,591	0	10,591	
Academic & Service Programs	2,460,826	281,263	2,742,089	2,544,658
Center for Environmental Sciences and Engineering	215,001	44,653	259,654	267,460
Center for Health, Intervention and Prevention	372,079	125,977	498,055	303,683
Center for Public Health and Health Policy				826,141
Center for Regenerative Biology	132,909	30,378	163,288	363,266
Institute of Materials Science	(1,629)	0	(1,629)	144,238
National Undersea Research Center	442,449	133,262	575,711	1,180,907
Roper Center and Institute for Social Inquiry	42,606	18,759	61,365	
Sea Grant College Program	875,600	164,438	1,040,039	841,541
Technology Incubation Program	200,995	21,545	222,540	102,013
Vice President for Research	292,847	43,117	335,964	50,413
Vice President for Research	2,572,857	582,130	3,154,986	4,079,662
Grand Total	85,510,166	22,835,077	108,345,244	101,886,412

* Expenditures are listed according to the tenure home of the PI on each project. Expenditures on projects led by PIs with appointments in Centers, and not in an academic Department, are attributed to the Centers.



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February 2011