

Sponsored Projects Annual Report Fiscal Year 2004



University of California, Berkeley

The University of California, Berkeley

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Robert M. Berdahl**

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**Vice Chancellor for Research
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**University of California, Berkeley
Sponsored Projects Annual Report, Fiscal Year 2004**

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Sponsored Projects Annual Report, Fiscal Year 2004

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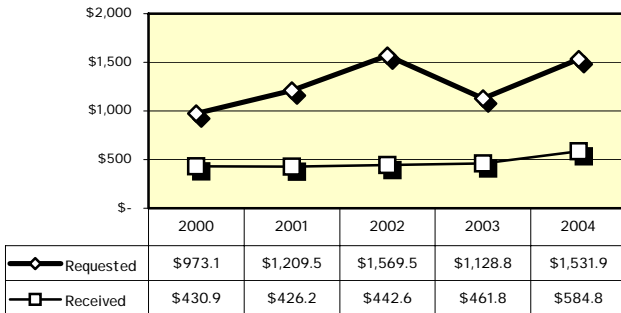
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The University of California, Berkeley is one of the world's leading universities in research, teaching, and public service, with an enrollment of over 23,000 undergraduates and 9,800 graduate students. The campus employs 1,800 faculty in more than 130 academic departments and interdepartmental groups, and more than 40 interdisciplinary research units contribute to this dynamic and vital research and teaching environment.

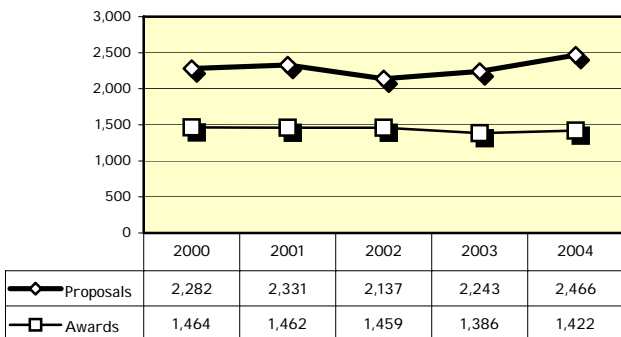
The Sponsored Projects Office is pleased to present this annual report of Berkeley's sponsored research, teaching, and public service for fiscal year 2004, from July 1, 2003 through June 30, 2004.

Award Overview

In fiscal year 2004 the Berkeley campus received more than \$584 million in contract and grant awards, the highest total in its history. This year the University submitted 2,466 proposals requesting \$1.53 billion, a 35% increase over the \$1.13 billion requested last year.



Funding Requested Compared with Funding Received, FY 2000 - 2004



Proposals Submitted Compared with Awards Received, FY 2000 - 2004

Project funding in FY 2004 increased by almost 27% over the prior year's total, which was at the time a record high. Awards from federal agencies increased by almost 41%, nonfederal governmental funding increased by 27%, and both industry and nonprofit funding declined by just under 2% each. Basic research again topped the list of funded activities with \$446 million in funding and a 41% increase over last year. Applied research, where discoveries and advances made in basic research are expanded to practical application, declined 23% from last year with \$37 million.

Project Funding, FY 2000 - 2004 (dollars in millions)

By Sponsor

	2000	2001	2002	2003	2004
Federal	\$260.8	249.0	283.7	295.1	415.6
Industry	14.2	15.3	8.5	10.7	10.5
Nonfederal Governmental	82.2	79.5	57.3	43.5	55.4
Not for Profit	60.6	64.7	76.6	89.5	87.8
University of California	13.2	17.7	16.5	23.1	15.6
TOTAL	\$430.9	\$426.1	\$442.5	\$461.8	\$584.8

By Activity

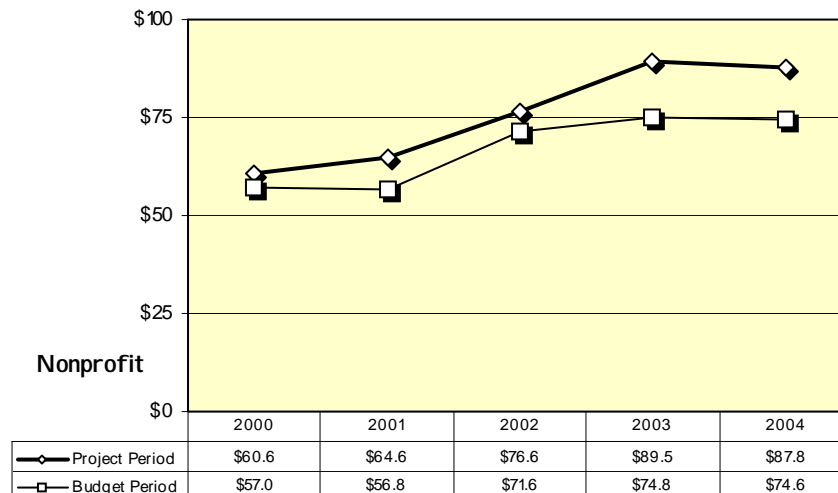
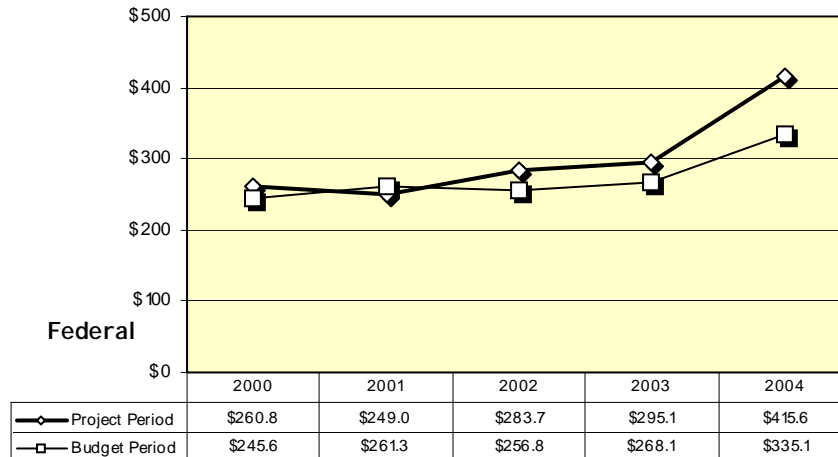
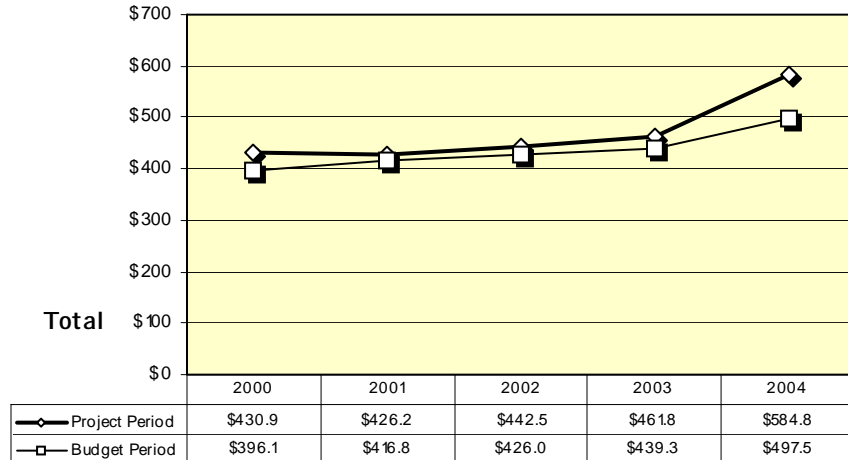
	2000	2001	2002	2003	2004
Basic Research	\$261.8	293.6	323.5	315.8	446.4
Applied Research	101.5	58.2	41.7	47.7	36.8
Instruction	22.1	26.2	3.2	1.4	27.6
Other	25.5	25.0	25.6	37.2	39.3
Training	11.1	19.3	36.0	47.0	25.9
Services	9.0	19.3	13.3	12.8	8.8
TOTAL	\$430.9	\$426.1	\$442.5	\$461.8	\$584.8

By Discipline

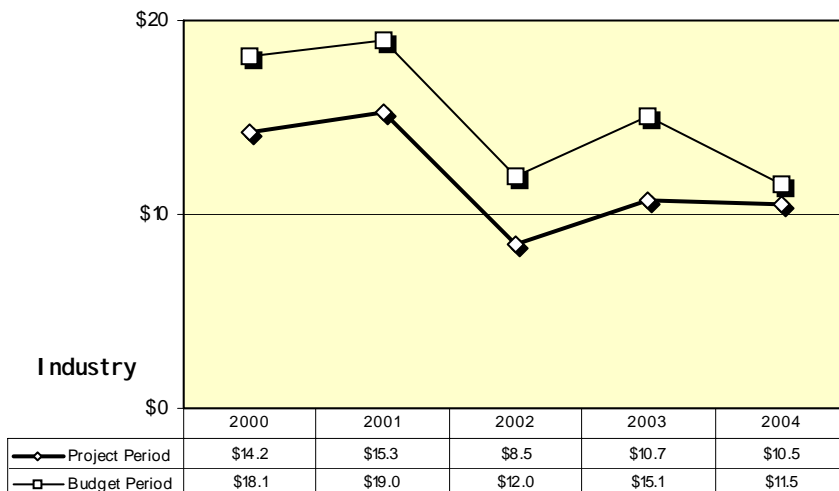
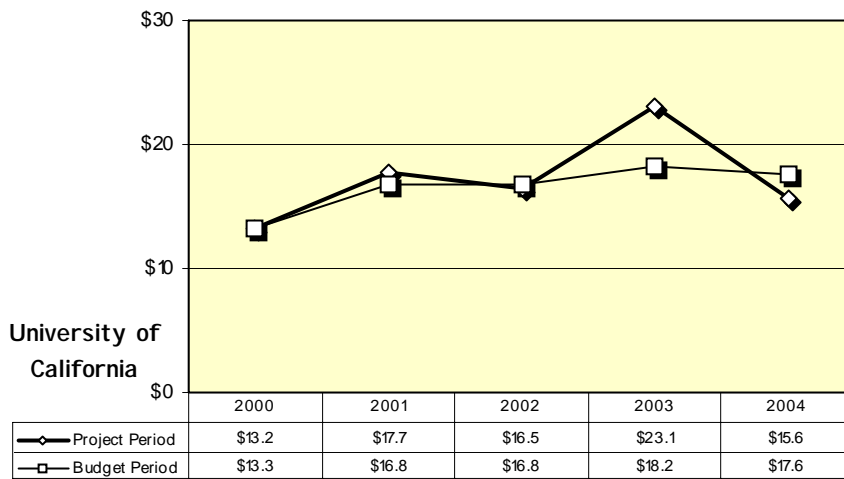
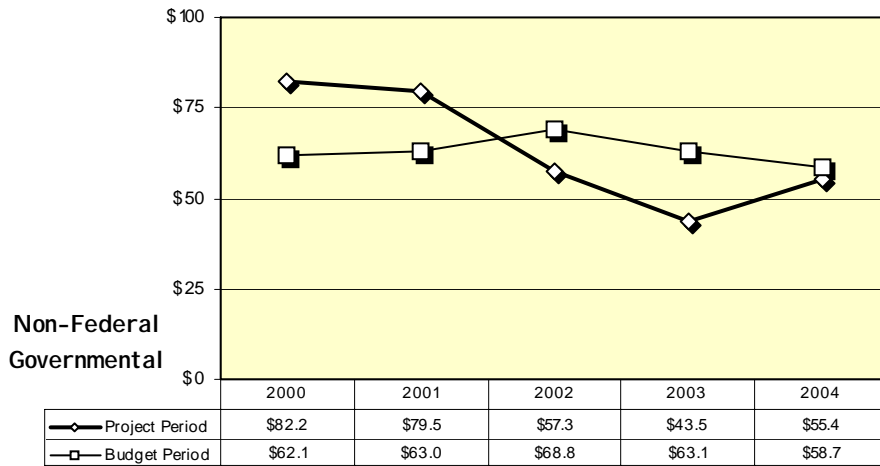
	2000	2001	2002	2003	2004
Biological Sciences	\$51.2	66.9	50.9	66.7	64.3
Business/Professional	7.2	4.7	13.7	9.0	5.0
Education	24.5	27.0	32.7	30.7	52.6
Engineering/Computer Sciences	117.5	133.7	106.5	99.5	121.9
Health Sciences	57.7	25.8	41.6	54.8	43.6
Libraries/Museums	8.6	7.1	6.6	8.8	13.2
Natural Resources	29.0	29.9	36.5	35.9	36.9
Physical Sciences	85.1	80.3	106.0	100.4	191.1
Social Sciences/Humanities	45.2	49.6	46.2	51.6	53.0
Others	4.9	1.2	2.0	4.6	3.4
TOTAL	\$430.9	\$426.1	\$442.5	\$461.8	\$584.8

Award information is captured in two ways: by project periods (the total amount of the award) and by budget periods (the amounts of the individual budget periods). Budget period funding data is captured for all years of an award, which includes future years. Budget period funding saw a third consecutive record high in FY 2004, at \$497.5 million against a \$584.8 million project period total. Federal budget period funding at \$335.1 million also reached a record high this year.

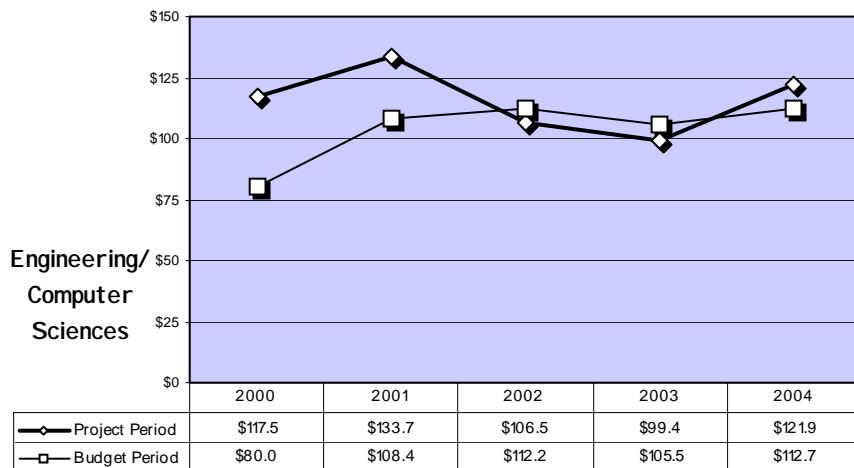
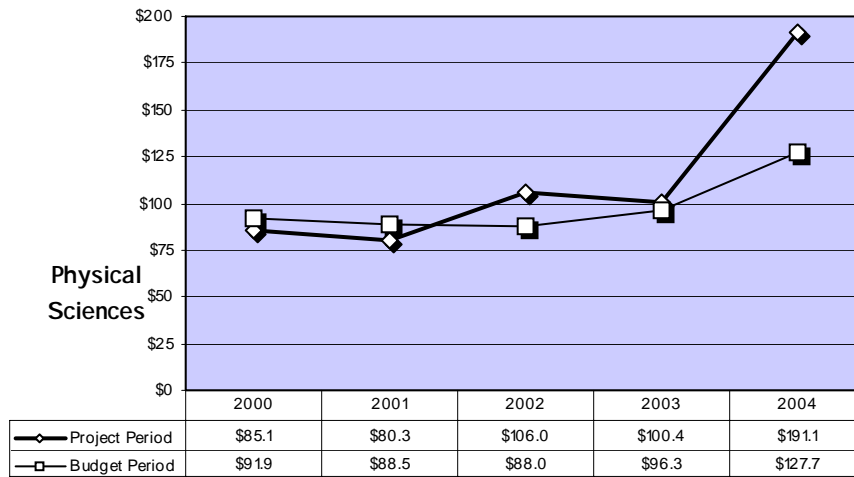
Comparison of Project Period and Budget Period Funding, by Sponsor FY 2000 - 2004 (dollars in millions)



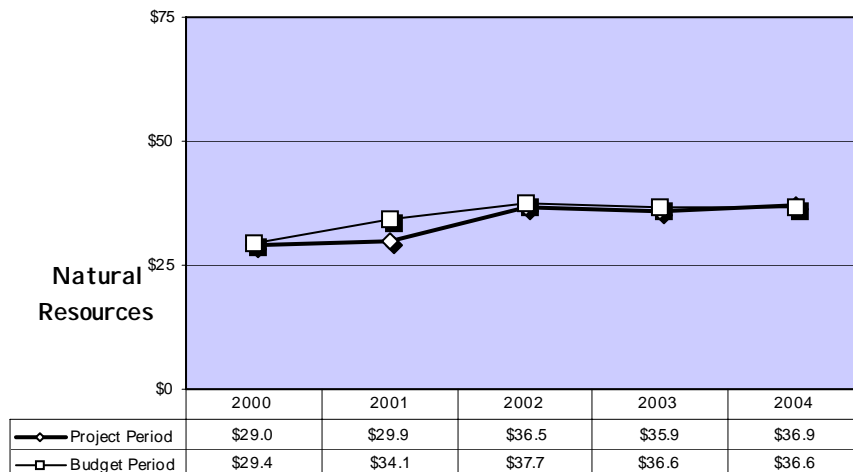
**Comparison of Project Period and Budget Period Funding, by Sponsor
Continued
FY 2000 - 2004 (dollars in millions)**



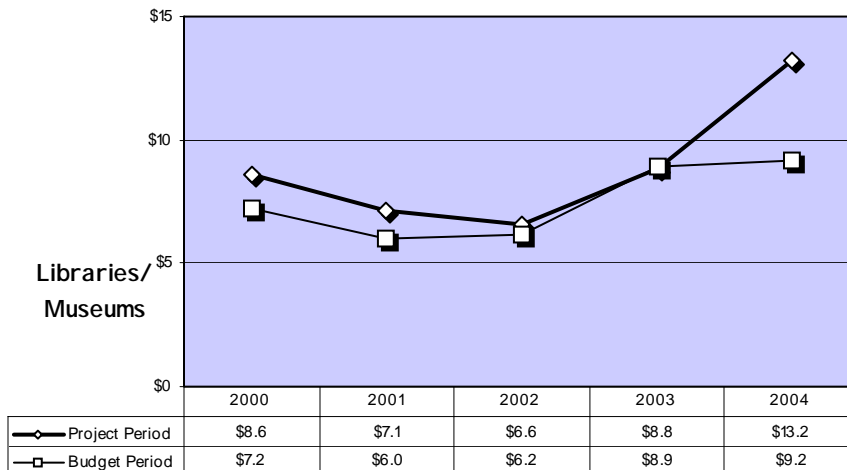
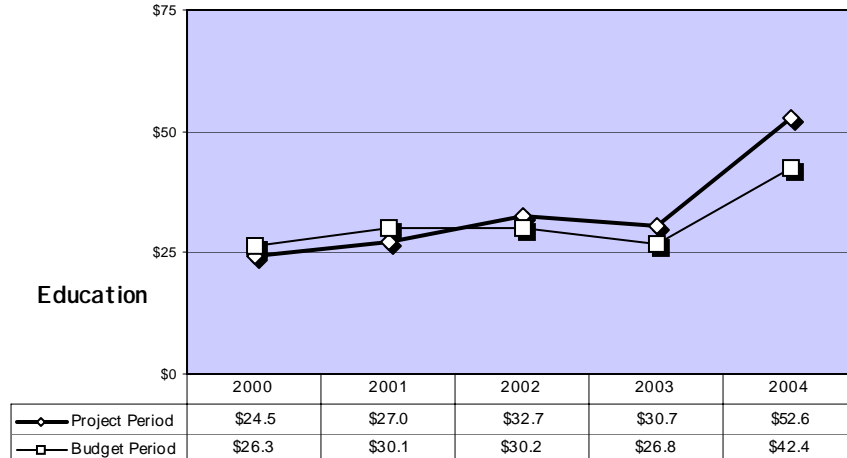
Comparison of Project Period and Budget Period Funding, by Discipline FY 2000 - 2004 (dollars in millions)



**Comparison of Project Period and Budget Period Funding, by Discipline
Continued
FY 2000 - 2004 (dollars in millions)**

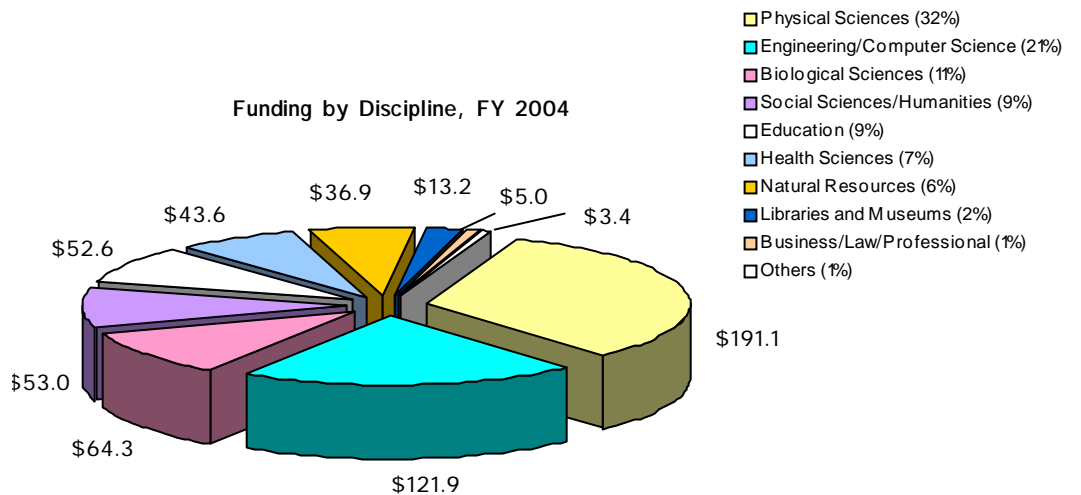
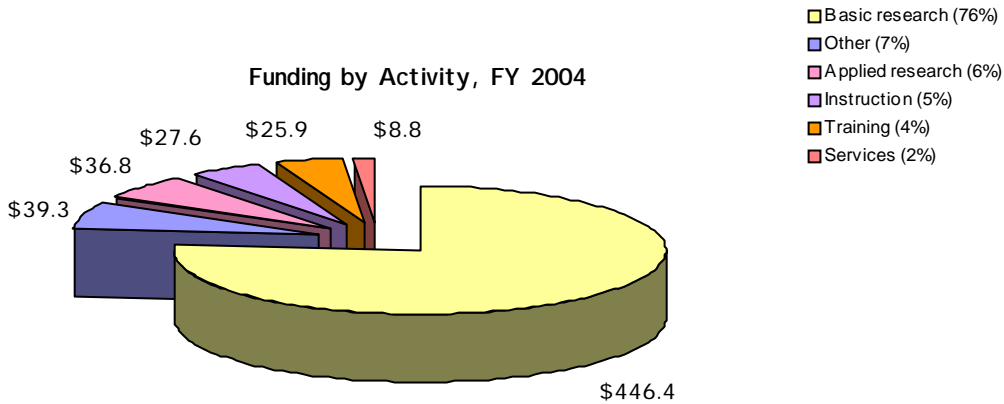
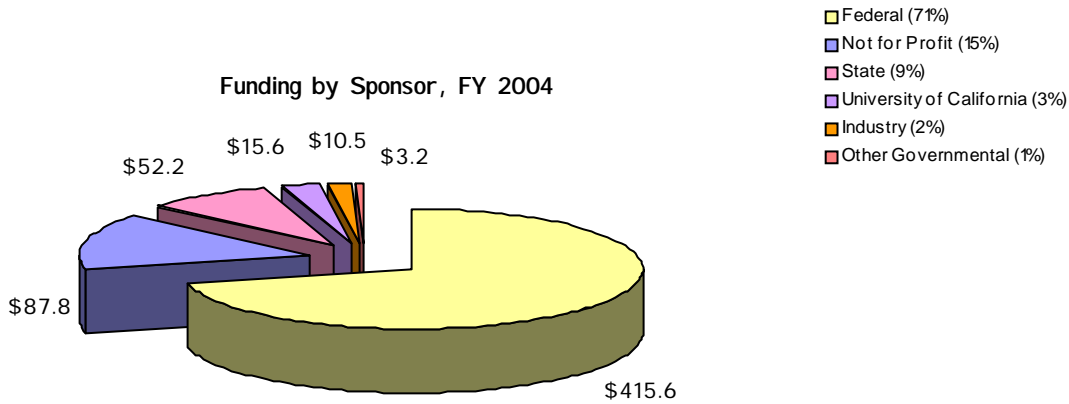


**Comparison of Project Period and Budget Period Funding, by Discipline
Continued
FY 2000 - 2004 (dollars in millions)**

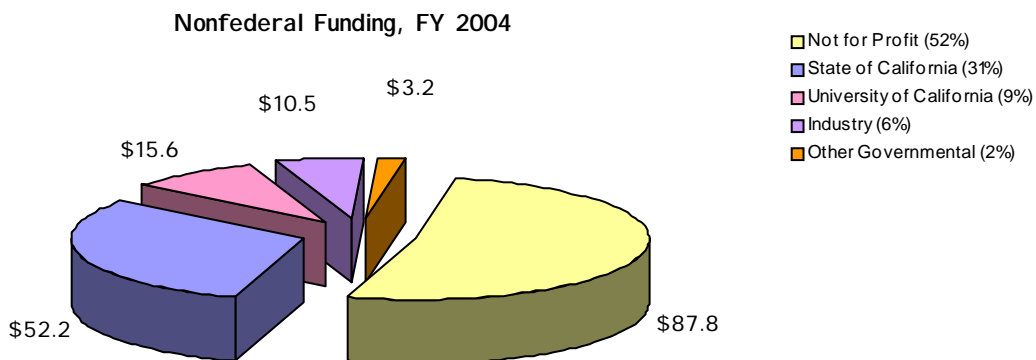
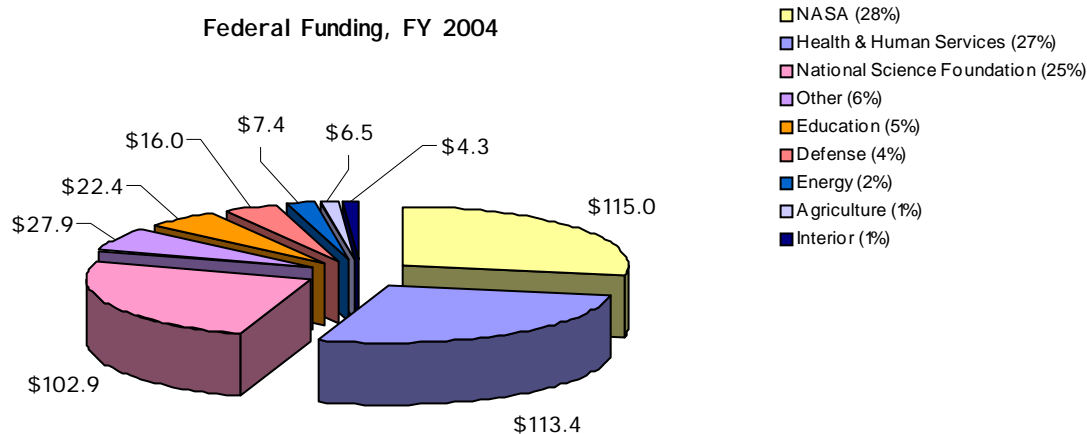


Project Period Funding in Fiscal Year 2004

Federal funding is the largest share of Berkeley's funding, at 71% of the project period total. Funding from nonprofit agencies made up 15%, followed by State of California at 9% and University of California with 3% of the total. Funding from corporate entities made up 2% of the total.



Three individual federal agencies awarded more than \$100 million each to the campus in FY 2004. For the first time, the National Aeronautics and Space Administration was the largest single source of funds to the campus, with \$115 million in total funding. The Department of Health and Human Services awarded nearly \$114 million, followed by the National Science Foundation with nearly \$103 million. Funding from nonfederal sources increased 10% from last year; of the \$169 million received from nonfederal sources, nonprofit agencies awarded almost \$88 million and State of California funding showed a 33% increase to \$52 million. Corporate agencies awarded 6% of nonfederal funding with a total of \$10.5 million.



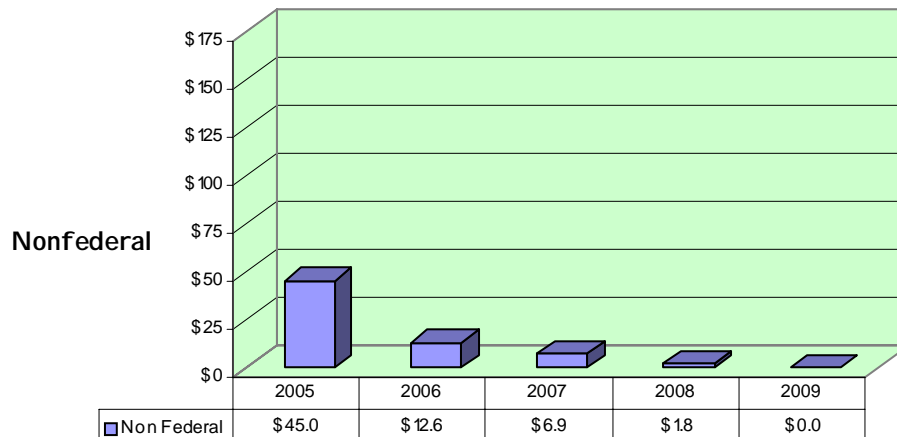
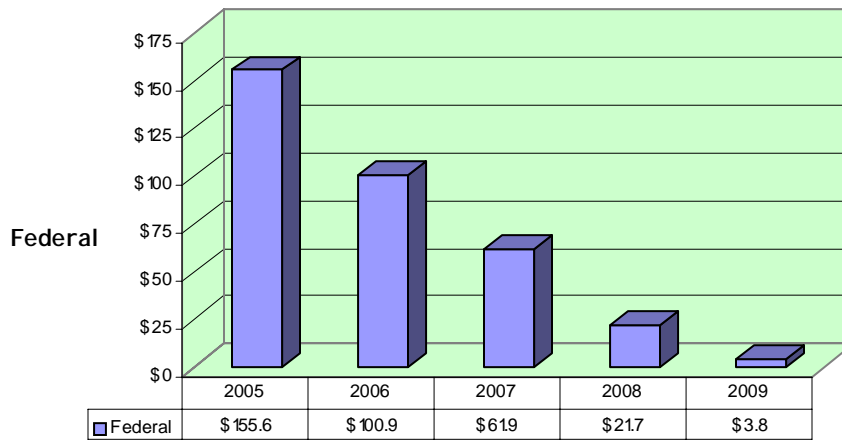
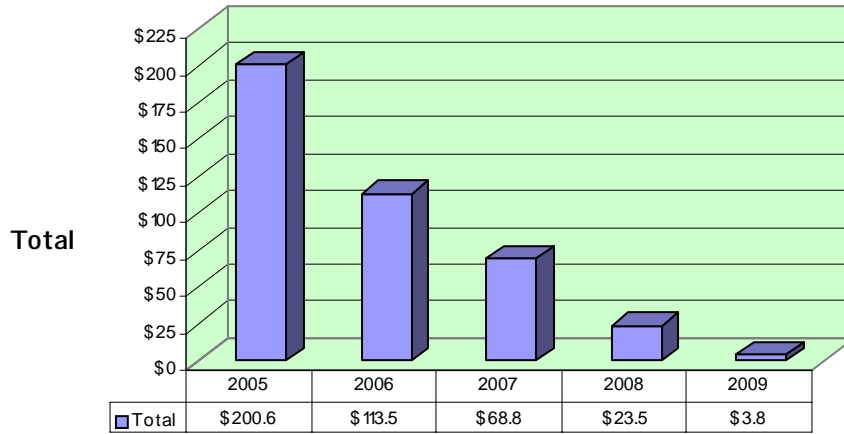
Major Corporate Sponsors, FY 2004

Amoco Corporation
 Berkeley Policy Associates
 Intel Corporation
 Toyota Motor Corporation
 General Motors Corporation
 Park Water Company
 Genentech, Inc.
 Philip Morris USA
 Q-Chem, Inc.
 Advanced Ceramics Research, Inc.

IBM Corporation
 nVIDIA, Inc.
 Solidus Biosciences, Inc.
 Hypres, Inc.
 Molycorp, Inc.
 Affymetrix, Inc.
 Quantum Applied Sciences and Research Inc.
 Steelcase Inc.
 Berlex Labs, Inc.
 Phillips Petroleum, Inc.

When a project period award is received, all budget period funding is recorded, including the current year and any future years that are essentially guaranteed. This method allows forecasting of anticipated budget period funding that will be available to spend several years into the future. The charts below illustrate expected budget period funding for fiscal years 2005 through 2009.

**Future Budget Period Funding, FY 2005 – 2009
(dollars in millions)**



The Twenty Largest Research Awards Received by Berkeley Faculty, FY 2004

Vassilis Angelopoulos
Space Sciences Laboratory
Time History of Events and Macroscale Interactions during
Substorms (THEMIS)
National Aeronautics & Space Administration
\$94,633,653

Jan M. Rabaey
Electronics Research Laboratory
Collaborative Research in the Design, Verification, and Test of
Integrated GigaScale Systems: The GigaScale Systems Research
Center
MARCO Microelectronics Advanced Research Corporation
\$24,000,000

Marcia C. Linn
School of Education
The Educational Accelerator: Technology-Enhanced Learning in
Science (TELS)
National Science Foundation
\$9,952,287

Patricia A. Buffler
School of Public Health
Childhood Leukemia and Environmental Exposures
National Institute of Environmental Health Sciences
\$6,618,590

Jill F. Banfield
Center for Integrative Planetary Science
BIOspheres of Mars: Ancient and Recent Studies
National Aeronautics & Space Administration
\$6,072,196

Arthur L. Reingold
School of Public Health
International AIDS Training Program
NIH Fogarty International Center
\$6,000,000

David E. Wemmer
The Institute for Quantitative Biomedical Research (QB3)
Central California 900 MHZ NMR Spectrometer
National Institute of General Medical Sciences
\$5,884,613

Leo Blitz
Radio Astronomy Laboratory
Collaborative Research: The CARMA Array
National Science Foundation
\$5,419,669

Eicke R. Weber
Berkeley Nanoscience & Nanoengineering Institute
IGERT: Nanoscale Science and Engineering - Form Building
Blocks to Functional Systems
National Science Foundation
\$3,803,593

Stuart J. Russell
Electronics Research Laboratory
Logical Filtering
Air Force Research Laboratory
\$3,548,000

Eric A. Brewer
Electronics Research Laboratory
ITR: A Scalable Enabling IT Infrastructure Developing Countries
National Science Foundation
\$3,420,000

A. Richard Newton
College of Engineering
Vodafone-US Foundation Fellows Initiative
Vodafone-US Foundation
\$3,340,000

Brenda Eskenazi
School of Public Health
Center for Children's Environment Health Research
National Institute of Environmental Health Sciences
\$3,196,350

Genaro Padilla
Undergraduate Affairs
UC Berkeley Upward Bound
Department of Education
\$2,924,880

S. Shankar Sastry
Electronics Research Laboratory
Collaborative Research: Cyber Defense Technology
Experimental Research Network
National Science Foundation
\$2,899,309

Ira B. Tager
School of Public Health
Controlling Asthma in American Cities Project-Oakland Kicks
Asthma (CAACP)
Centers for Disease Control
\$2,845,719

George Parks
Space Sciences Laboratory
A Proposal for Analysis and Modeling of Data Obtained by the
Ion Spectrometry (CIS) Experiment on the Cluster II Spacecraft
National Aeronautics & Space Administration
\$2,620,400

F. Clark Howell
Museum of Vertebrate Zoology
Revealing Hominid Origins
National Science Foundation
\$2,514,100

Thomas W. Cline
Molecular & Cell Biology
Regulation of Sex Specific Genes in Drosophila
National Institute of General Medical Sciences
\$2,492,357

Barbara Nagle
Lawrence Hall of Science
Science in Global Issues: An Integrated High School Science
Course
National Science Foundation
\$2,490,655

Honors to Individual Berkeley Faculty, FY 2004

International Balzan Foundation Balzan Prize

Reinhard Genzel, Astrophysics

National Academy of Science

A. Paul Alivisatos, Chemistry and Materials Science
Raymond Jeanloz, Earth & Planetary Science
George F. Oster, Cell and Developmental Biology and
Environmental Science, Policy, & Management
Peter H. Quail, Plant Biology

National Academy of Engineering

Arup K. Chakraborty, Chemical Engineering
A. Richard Newton, Electrical Engineering &
Computer Sciences

Institute of Medicine of the National Academies

Arthur Reingold, Public Health

American Academy of Arts and Sciences

David Aldous, Statistics
Paul A. Alivisatos, Chemistry
David Collier, Political Science
Maurice Obstfeld, Economics
Christina Romer, Economics
Shankar Sastry, Electrical Engineering & Computer
Sciences
Samuel Scheffler, Philosophy and Law

David and Lucile Packard Foundation Fellowship in Science and Engineering

Eliot Quataert, Astronomy

Pew Scholar in the Biomedical Sciences

Nicole King, Molecular & Cell Biology

Alfred P. Sloan Foundation Research Fellows

Eugene Chiang, Earth & Planetary Science and
Astronomy
Chang-Tai Hsieh, Economics
Alessandra Lanzara, Physics
James O'Brien, Electrical Engineering & Computer
Sciences
Jonathan Shewchuk, Electrical Engineering & Computer
Sciences
Dirk Trauner, Chemistry
Ashvin Vishwanath, Physics

John Simon Guggenheim Memorial Foundation Fellows

Neil Fligstein, Sociology
Lorna Hutson, English
Niklaus Largier, German

Presidential Early Career Awards for Scientists and Engineers (2002)

Abby Dernburg, Molecular & Cell Biology
Dan M. Stamper-Kurn, Physics
Ion Stoica, Electrical Engineering & Computer Sciences

Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (2003)

Lisa Pruitt, Mechanical Engineering

National Science Foundation Director's Award for Distinguished Teaching Scholars

Alice M. Agogino, Mechanical Engineering

Camille and Henry Dreyfus Foundation New Faculty Award

Christopher Chang, Chemistry

Camille Dreyfus Teacher-Scholar Award

Peidong Yang, Chemistry

Scientific American Top 50 Innovators of 2003

Henry Chesbrough, Haas School of Business
David Culler, Electrical Engineering & Computer
Sciences

Franklin Institute's Benjamin Franklin Medal in Computer and Cognitive Science

Richard Karp, Electrical Engineering & Computer
Sciences, Bioengineering, Industrial Engineering
& Operations Research, and Mathematics

National Academy of Sciences Alexander Hollaender Award in Biophysics

Carlos Bustamante, Molecular & Cell Biology

American Philosophical Society (elected member)

Marvin Cohen, Physics

American Association for the Advancement of Science

Thomas Alber, Biochemistry & Molecular Biology
Douglas Clark, Chemical Engineering
Thomas Cline, Molecular & Cell biology
Paul Ludden, College of Natural Resources
David Raulet, Molecular & Cell Biology
Jasper Rine, Molecular & Cell Biology

Appendices

Appendix A
Funding by Sponsor Category, FY 2000 - 2004

Appendix B
Funding by Discipline, FY 2000 - 2004
Campus Overview

Appendix C
Funding by Discipline, FY 2000 - 2004
Social Sciences and the Humanities

Appendix D
Funding by Discipline, FY 2000 - 2004
Physical Sciences

Appendix E
Funding by Discipline, FY 2000 - 2004
Engineering and Computer Sciences

Appendix F
Funding by Discipline, FY 2000 - 2004
Biological Sciences

Appendix G
Funding by Discipline, FY 2000 - 2004
Health Sciences

Appendix A: Project Period Funding by Sponsor Category, FY 2000 - 2004
(dollars in millions)

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	
Federal						
Agriculture	\$2.65	\$5.28	\$4.98	\$4.07	\$6.45	
Arts/Humanities/Museum Services	\$1.83	\$0.22	\$0.35	\$1.36	\$1.43	
Commerce	\$0.76	\$0.35	\$0.62	\$0.44	\$0.94	
Defense	\$39.75	\$48.29	\$36.75	\$21.25	\$16.00	
Education	\$7.54	\$8.16	\$5.68	\$8.73	\$22.43	
Energy	\$8.13	\$5.47	\$7.32	\$6.17	\$7.36	
Environmental Protection Agency	\$2.49	(\$1.51)	\$3.07	\$2.16	\$1.22	
Health & Human Services	\$103.46	\$90.87	\$88.48	\$99.47	\$113.38	
Interior	\$0.83	\$1.87	\$5.32	\$2.61	\$4.25	
National Aeronautics & Space Administration	\$14.94	\$9.48	\$39.50	\$30.35	\$114.96	
National Science Foundation	\$63.77	\$66.43	\$76.98	\$104.75	\$102.92	
Transportation	\$5.77	\$3.41	\$2.14	\$2.40	\$4.03	
Other	\$8.83	\$10.72	\$12.52	\$11.34	\$20.23	
Subtotal	\$260.77	\$249.04	\$283.72	\$295.11	\$415.61	
Industry						
Foreign Industry	\$1.29	\$1.63	\$1.14	\$2.61	\$1.22	
US Industry	\$12.90	\$13.66	\$7.33	\$8.07	\$9.26	
Subtotal	\$14.19	\$15.30	\$8.47	\$10.68	\$10.47	
Nonfederal Government						
Foreign Government Agencies	\$6.33	\$1.12	\$1.43	\$2.22	\$1.20	
Local Agencies & Schools	\$3.09	\$1.42	\$3.22	\$1.50	\$1.65	
Other US Government Agencies	\$0.09	\$1.07		\$0.59	\$0.36	
State of California	\$72.63	\$75.84	\$52.64	\$39.16	\$52.20	
Subtotal	\$82.15	\$79.45	\$57.29	\$43.47	\$55.41	
Nonprofit						
US Foundations & Charities	\$31.95	\$22.75	\$29.48	\$41.25	\$26.90	
US Universities	\$17.77	\$17.48	\$24.31	\$33.20	\$26.26	
Other US Nonprofit Organizations	\$10.21	\$23.25	\$20.99	\$12.48	\$33.47	
Foreign Organizations	\$0.68	\$1.17	\$1.78	\$2.53	\$1.15	
Subtotal	\$60.60	\$64.65	\$76.56	\$89.46	\$87.77	
University of California	Subtotal	\$13.19	\$17.73	\$16.50	\$23.12	\$15.57
TOTAL	\$430.89	\$426.16	\$442.54	\$461.83	\$584.84	

Appendix B: Funding by Discipline

The research community on the Berkeley campus is made up of more than 170 academic departments and organized research units. Physical Sciences disciplines brought in \$191 million in FY 2004, with Engineering and Computer Sciences second at \$121.9 million, followed by Biological Sciences (\$64.3 million), Social Sciences and the Humanities (\$53 million), Education (\$52.6 million), Health Sciences (\$43.6 million), and Natural Resources (\$36.9 million).

The Space Sciences Laboratory received more funding this year than any other department, bringing in nearly \$115 million, followed by the Electronics Research Laboratory with nearly \$72 million, the School of Public Health with \$47 million, Molecular & Cell Biology with \$46 million, and the Space Sciences Laboratory with nearly \$36 million. The Chemistry department received over \$26 million, and the School of Social Welfare was awarded almost \$25 million. The tables in the following appendices show awards by campus department within each selected discipline.

Campus Overview

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Biological Sciences	\$51.2	66.9	50.9	66.7	64.3
Business/Law/Professional	7.2	4.7	13.7	9.0	5.0
Education	24.5	27.0	32.7	30.7	52.6
Engineering/Computer Sciences	117.5	133.7	106.5	99.5	121.9
Health Sciences	57.7	25.8	41.6	54.8	43.6
Libraries/Museums	8.6	7.1	6.6	8.8	13.2
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Physical Sciences	85.1	80.3	106.0	100.4	191.1
Social Sciences/Humanities	45.2	49.6	46.2	51.6	53.0
Others	4.9	1.2	2.0	4.6	3.4
Total	\$430.9	\$426.1	\$442.5	\$461.8	\$584.8

Project Period Funding by Discipline
FY 2000 - 2004 (dollars in millions)

Appendix C: Funding by Discipline Social Sciences and the Humanities

Department	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
African American Studies	\$0.35	\$0.04			
Anthropology	\$0.09	\$0.09	\$0.02	\$0.32	
Archaeological Research Facility	\$0.10	\$0.05	\$1.41	\$0.05	\$0.19
Art History		\$0.04		\$0.35	
Berkeley Language Center					\$0.21
Canadian Studies Program	\$0.01	\$0.01	\$0.01	\$0.01	\$0.01
Center for African Studies	\$0.03	\$0.99	\$0.01	\$0.07	\$1.13
Center for Latin American Studies	\$0.33	\$1.38	\$0.20	\$0.45	\$1.02
Center for Middle Eastern Studies	\$0.01	\$0.94	\$0.14	\$0.08	\$1.57
Center for New Music & Audio Technologies	\$0.63	\$0.02	\$0.25		
Center for South Asian Studies	\$0.02	\$1.08	\$0.29	\$0.06	\$1.97
Center for Southeast Asian Studies	\$0.46	\$0.14	\$0.14	\$0.48	\$1.73
Center for Western European Studies	\$0.04				
Dean's Office, International & Area Studies					
Demography	\$1.08	\$0.04	\$0.02	\$0.25	\$0.98
East Asian Languages	\$0.04		\$0.01		
Economics	\$0.07	\$0.29	\$0.08	\$0.02	\$0.06
Emma Goldman Papers Project	\$0.14	\$0.10		\$0.30	
English				\$0.04	
Ethnic Studies - Asian American Studies	\$0.01				
Ethnic Studies - Chicano Studies	\$0.01				
Ethnic Studies - Native American Studies			\$0.09		
Geography	\$0.21	\$0.24	\$0.06	\$0.72	\$0.21
Goldman School of Public Policy				\$0.25	\$0.01
History	\$0.18	\$0.18	\$0.24	\$0.16	\$0.20
History of Science & Technology		\$0.21		\$0.12	\$0.01
Human Rights Center		\$0.01		\$0.03	\$0.80
Institute for Cognitive and Brain Sciences			\$0.59	\$0.08	\$0.27
Institute for Personality & Social Research	\$0.32	\$6.10	\$3.35	\$1.15	\$2.77
Institute for the Study of Social Change	\$0.90	\$0.35	\$1.20	\$1.03	\$1.28
Institute of East Asian Studies	\$0.19	\$1.21	\$0.09	\$0.13	\$1.48
Institute of European Studies		\$0.74	\$0.04	\$0.84	\$1.38
Institute of Governmental Studies	\$0.30	\$0.03	\$1.86	\$0.17	\$0.19
Institute of Human Development	\$1.93	\$5.02	\$2.20	\$6.84	\$1.52
Institute of Industrial Relations	\$0.60	\$0.41	\$0.73	\$0.70	\$1.30
Institute of International Studies	\$6.41	\$1.17	\$1.58	\$2.86	\$0.32
Institute of Slavic, East European, and Eurasian Studies	\$0.36	\$1.03	\$0.62	\$0.23	\$1.45
Institute of Urban & Regional Development	\$0.76	\$1.12	\$1.43	\$1.44	\$0.67
International & Area Studies	\$1.23		\$2.10	\$0.26	\$0.50
Italian			\$0.01		
Jewish Graduate Studies					\$0.29
Linguistics	\$0.80	\$0.34			\$0.31
Music			\$0.02		\$0.02
Near Eastern Studies	\$0.13	\$0.13	\$0.11	\$0.11	
Philosophy	\$0.12			\$0.02	
Political Science	\$0.25	\$0.21	\$0.31	\$0.14	\$0.05
Psychology	\$3.88	\$0.65		\$6.51	\$3.16
Public Policy	\$0.23	\$0.11	\$0.40	\$0.11	\$1.02
Rhetoric	\$0.10	\$0.04		\$0.11	\$0.02
Scandinavian			\$0.01		
School of Social Welfare	\$0.34	\$1.35	\$1.58	\$3.84	\$22.81
Social Welfare	\$21.13	\$21.98	\$20.95	\$20.55	(\$0.50)
Sociology	\$0.02	\$0.23	\$0.17	\$0.38	\$0.01
Spanish & Portuguese	\$0.06		\$0.04		
Survey Research Center	\$1.25	\$1.48	\$3.84	\$0.36	\$2.26
Theater, Dance, & Performance Studies					
Townsend Center for the Humanities	\$0.03	\$0.03	\$0.01		\$0.32
Total	\$45.15	\$49.57	\$46.20	\$51.60	\$53.01

Appendix D: Funding by Discipline Physical Sciences

Department	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Astronomy	\$1.06	\$1.82	\$2.30	\$1.54	\$1.64
Berkeley Nanoscience & Nanoengineering Institute					\$3.80
Berkeley Seismological Laboratory	\$2.44	\$2.43	\$2.19	\$3.10	\$2.84
Center for Integrative Planetary Science					\$6.07
Center for Particle Astrophysics	\$9.19	\$0.11	(\$0.20)	\$0.37	
Center for Pure & Applied Mathematics	\$8.10	\$2.53	\$3.43	\$5.13	\$5.26
Chemical Engineering	\$3.41	\$8.01	\$5.79	\$2.89	\$6.54
Chemistry Department	\$18.32	\$17.93	\$25.18	\$23.33	\$24.24
College of Chemistry	\$2.29	\$3.74	\$3.21	\$2.82	\$2.21
Dean, Physical Sciences	\$0.17		\$0.05		
Earth & Planetary Science	\$3.38	\$3.75	\$5.50	\$5.53	\$3.69
Earth Resources Center	\$0.15	\$0.05	\$0.10		
Geographic Information Science Center					
Mathematics	\$0.52	\$0.19	\$0.45	\$0.11	\$0.17
Physics	\$10.15	\$8.58	\$9.28	\$13.22	\$7.00
Radio Astronomy Laboratory	\$1.40	\$5.87	\$2.77	\$1.95	\$9.54
Space Sciences Lab	\$21.73	\$22.50	\$42.16	\$35.89	\$114.56
Statistics	\$2.39	\$1.10	\$2.63	\$2.74	\$1.93
Theoretical Astrophysics Center	\$0.43	\$1.64	\$1.13	\$1.76	\$1.55
Total	\$85.14	\$80.25	\$105.96	\$100.40	\$191.05

Appendix E: Funding by Discipline Engineering & Computer Sciences

Department	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Berkeley Multimedia Research Center	\$0.42				
Bioengineering	\$1.30		\$0.42	\$0.04	\$0.51
Center for Information Technology Research in the Interest of Society					\$0.91
Civil & Environmental Engineering		\$0.07		\$0.02	\$0.06
College of Engineering	\$0.03	\$0.07	\$0.07	\$0.07	\$3.34
Earthquake Engineering Research Center	\$10.65	\$6.69	\$4.02	\$11.56	\$2.26
Electrical Engineering & Computer Sciences	\$0.02				\$0.59
Electronics Research Laboratory	\$49.53	\$67.33	\$65.97	\$60.87	\$71.26
Engineering - Dean's Office	\$0.23		\$0.46	\$0.26	\$0.23
Engineering Office of Research Services	\$0.07				
Engineering Systems Research Center	\$12.45	\$13.23	\$20.67	\$10.35	\$20.65
Institute for Environmental Science & Engineering	\$2.45	\$4.00	\$6.58	\$3.07	\$3.13
Institute of Transportation Studies	\$39.42	\$41.30	\$7.30	\$12.29	\$17.80
Materials Science & Engineering			\$0.09	\$0.01	\$0.14
Mechanical Engineering	\$0.01			\$0.03	
Nuclear Engineering	\$0.01	\$0.11	\$0.01	(\$0.06)	\$0.06
UC Transportation Center	\$0.89	\$0.86	\$0.87	\$0.92	\$0.93
Total	\$117.47	\$133.68	\$106.46	\$99.44	\$121.88

Appendix F: Funding by Discipline Biological Sciences

Department	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Cancer Research Laboratory	\$0.54	\$2.63	\$1.49	\$1.51	\$0.82
Functional Genomics Laboratory				\$0.64	(\$0.01)
Helen Wills Neuroscience Institute	\$1.02	\$1.46	\$3.30	\$10.94	\$4.08
Institute for Quantitative Biomedical Research (QB3)				\$0.25	\$8.38
Integrative Biology	\$3.97	\$3.20	\$8.10	\$5.75	\$4.99
Molecular & Cell Biology	\$44.78	\$57.84	\$38.10	\$47.67	\$46.01
Virus Laboratory	\$0.90	\$1.79	(\$0.04)	(\$0.01)	
Total	\$51.20	\$66.92	\$50.95	\$66.74	\$64.27

Appendix G: Funding by Discipline Health Sciences

Department	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Biostatistics & Information Sciences					
Community Health Sciences	\$0.09				
Environmental Health Sciences	\$0.07		\$0.28	\$0.22	\$1.58
Health & Medical Sciences	\$5.05		(\$0.74)	\$0.06	
Health Policy & Administration	\$0.21	\$0.29	\$0.20	\$0.34	\$0.24
Labor Occupational Health Program	\$1.61	\$1.58	\$2.68	\$0.66	\$1.27
Optometry - Research	\$2.81	\$1.48	\$2.04	\$3.04	\$2.00
Optometry Department			(\$0.21)	\$0.15	\$1.50
Public Health Biology & Epidemiology		\$0.03			\$0.02
School of Optometry	\$5.19	\$0.94	\$6.64	\$4.19	\$2.65
School of Public Health - Schoolwide	\$42.67	\$21.48	\$30.73	\$46.14	\$34.29
Total	\$57.69	\$25.78	\$41.62	\$54.81	\$43.55

